

# Summit Scientific

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4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

February 24, 2025

Sam Vogt

Tasman Geosciences

6855 W. 119th Ave.

Broomfield, CO 80020

RE: Civitas - Anderson MB 33-3J

Work Order #2412460

Enclosed are the results of analyses for samples received by Summit Scientific on 12/20/24 17:33. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Natalie Tessier". The signature is written in a cursive, flowing style.

Natalie Tessier For Paul Shrewsbury

President



Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Civitas - Anderson MB 33-3J

Project Number: 23729  
Project Manager: Sam Vogt

**Reported:**  
02/24/25 11:07

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FL-B01@3'	2412460-01	Soil	12/20/24 14:00	12/20/24 17:33
FL-B03@3'	2412460-02	Soil	12/20/24 14:04	12/20/24 17:33
FL-B04@3'	2412460-03	Soil	12/20/24 14:06	12/20/24 17:33
FL-B05@3'	2412460-04	Soil	12/20/24 14:08	12/20/24 17:33
SP-CS01	2412460-05	Soil	12/20/24 14:10	12/20/24 17:33

# SUMMIT SCIENTIFIC

4653 Table Mountain Drive  
Golden, CO 80403  
303-277-9310

Lab ID	Page 1 of 1
2412460	

Client: Civitas/Tasman	Project Manager: Sam Vogt / Jacob Evans	Send Invoice To:
Address: 6855 W. 119th Ave.	E-Mail: svogt@tasman-geo.com / jevans@civiresources.com	Company: Civitas
City/State/Zip: Broomfield, CO 80020	Project Name: Anderson MB 33-35	Project Name/Location:
Phone: PM Phone # (610) 405-9078	Project Number:	AFE#: 23729
Sampler Name: Gabrielle Mother, Torren Thomas		PO/Billing Codes: 8523.195
		Contact:

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix			Analysis Requested						Special Instructions
					HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	BTEXN	1,2,4 + 1,3,5 TMBs	TPH (GRO,DRO,ORO)	PAH	pH, EC, SAR	
1	FL-B01@3'	12/10/24	14:00	2			2			X								pH, EC, SAR by Saturated paste preparation method Boron by Hot Water Soluble preparation Method  Table 915 Metals - As, Ba, Cd, Cu, Pb, Ni, Se, Ag, Zn, Cr VI  Full table 915
2	FL-B03@3'		14:04	1														
3	FL-B04@3'		14:06															
4	FL-B05@3'		14:08															
5	SP-C01		14:10															
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		

Relinquished by: [Signature]	Date/Time: 12/10/24 17:50	Received by: SL North office	Date/Time: 12/10/24 17:30	TAT Business Days	Field DO	Notes:
Relinquished by: S2	Date/Time: 12/20/24 17:33	Received by: [Signature]	Date/Time: 12/20/24 17:33	Same Day	Field EC	
				1 Day	Field ORP	
				2 Days	Field pH	
				3 Days	Field Temp.	
				Standard	Field Turb.	
Temperature Upon Receipt: 12.7	Corrected Temperature: [Symbol]	IR gun #: 1	HNO3 lot #:			

S<sub>2</sub>

Sample Receipt Checklist

S2 Work Order# 2412460

Client: Contest Torman Client Project ID: Anderson MB 33-3T

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

Matrix (Check all that apply) Air  Soil/Solid  Water  Other

Temp (°C)

Thermometer #

	Yes	No	N/A	Comments (if any)
If samples require cooling, is the temperature < 6°C? <sup>(1)</sup> NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If custody seals are present, are they intact? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are samples due within 48 hours present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are water samples with short hold times present? Note the short hold analysis in the comments column - pH, Nitrate/Nitrite, Ferrous Iron (Fe <sup>2+</sup> ), Hexavalent Chromium (Cr <sup>6+</sup> , Cr VI), COD/BOD, Total Coliform, E. Coli, Total Residual Chlorine (TRC), Dissolved Oxygen	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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"/>	
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"/>	
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"/>	
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"/>	
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, H <sub>2</sub> SO <sub>4</sub> , NaOH, HNO <sub>3</sub> , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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.

AS

Custodian Printed Name

12/20/24  
Date/Time

0.00000



Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Civitas - Anderson MB 33-3J

Project Number: 23729  
Project Manager: Sam Vogt

**Reported:**  
02/24/25 11:07

**FL-B01@3'**  
**2412460-01 (Soil)**

**Summit Scientific**

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

Date Sampled: **12/20/24 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BHL1408	12/31/24	01/03/25	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **12/20/24 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0369	92.2 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0416	104 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0384	95.9 %	50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **12/20/24 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>C10-C28 (DRO)</b>	<b>160</b>	50	mg/kg	1	BHL1419	12/31/24	01/05/25	EPA 8015M	
<b>C28-C36 (ORO)</b>	<b>69</b>	50	"	"	"	"	"	"	

Date Sampled: **12/20/24 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	8.03	64.2 %	30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

Summit Scientific

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**FL-B01@3'**  
**2412460-01 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **12/20/24 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.500	mg/kg	100	BIA0005	01/02/25	01/11/25	EPA 8270D SIM	R-01
<b>Anthracene</b>	<b>1.81</b>	0.500	"	"	"	"	"	"	
<b>Benzo (a) anthracene</b>	<b>6.39</b>	0.500	"	"	"	"	"	"	
<b>Benzo (a) pyrene</b>	<b>3.40</b>	0.500	"	"	"	"	"	"	
<b>Benzo (b) fluoranthene</b>	<b>4.45</b>	0.500	"	"	"	"	"	"	
<b>Benzo (k) fluoranthene</b>	<b>1.50</b>	0.500	"	"	"	"	"	"	
<b>Chrysene</b>	<b>5.35</b>	0.500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.500	"	"	"	"	"	"	R-01
<b>Fluoranthene</b>	<b>15.7</b>	0.500	"	"	"	"	"	"	
Fluorene	ND	0.500	"	"	"	"	"	"	R-01
<b>Indeno (1,2,3-cd) pyrene</b>	<b>2.04</b>	0.500	"	"	"	"	"	"	
<b>Pyrene</b>	<b>16.7</b>	0.500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	1	"	"	01/10/25	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/20/24 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0209	62.6 %	40-140		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0351	105 %	40-140		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **12/20/24 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BIB0643	02/12/25	02/19/25	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **12/20/24 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Project: Civitas - Anderson MB 33-3J

Project Number: 23729  
Project Manager: Sam Vogt

**Reported:**  
02/24/25 11:07

**FL-B01@3'**  
**2412460-01 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Arsenic	4.07	0.200	mg/kg dry	1	BIB0671	02/12/25	02/19/25	EPA 6020B
Barium	320	0.400	"	"	"	"	"	"
Cadmium	0.403	0.200	"	"	"	"	"	"
Copper	11.4	0.400	"	"	"	"	"	"
Lead	26.8	0.200	"	"	"	"	"	"
Nickel	12.8	0.400	"	"	"	"	"	"
Silver	0.175	0.0200	"	"	"	"	"	"
Zinc	38.9	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: 12/20/24 14:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BIA0766	01/16/25	01/20/25	EPA 7196A	

**Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction**

Date Sampled: 12/20/24 14:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	44.5	0.0500	mg/L dry	1	BIA0776	01/16/25	01/22/25	EPA 6020B	
Magnesium	7.59	0.0500	"	"	"	"	"	"	
Sodium	177	0.0500	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: 12/20/24 14:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	6.45	0.00100	units	1	BIA1044	01/22/25	01/22/25	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: 12/20/24 14:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Project: Civitas - Anderson MB 33-3J

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Project Manager: Sam Vogt

**Reported:**  
02/24/25 11:07

**FL-B01@3'**  
**2412460-01 (Soil)**

**Summit Scientific**

**Physical Parameters by APHA/ASTM/EPA Methods**

% Solids	83.6	%	1	BIA0728	01/16/25	01/16/25	Calculation
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**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **12/20/24 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.09	0.0100	mmhos/cm	1	BIA0772	01/16/25	01/21/25	EPA 120.1	

**Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction**

Date Sampled: **12/20/24 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.32		pH Units	1	BIA0767	01/16/25	01/21/25	EPA 9045D	

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Project: Civitas - Anderson MB 33-3J

Project Number: 23729  
Project Manager: Sam Vogt

**Reported:**  
02/24/25 11:07

**FL-B03@3'**  
**2412460-02 (Soil)**

**Summit Scientific**

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

Date Sampled: **12/20/24 14:04**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BHL1408	12/31/24	01/03/25	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **12/20/24 14:04**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0345	86.2 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0405	101 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0382	95.6 %	50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **12/20/24 14:04**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BHL1419	12/31/24	01/05/25	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/20/24 14:04**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	7.97	63.7 %	30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

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Project Number: 23729  
Project Manager: Sam Vogt

**Reported:**  
02/24/25 11:07

**FL-B03@3'**  
**2412460-02 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **12/20/24 14:04**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BIA0005	01/02/25	01/10/25	EPA 8270D SIM	
<b>Anthracene</b>	<b>0.0367</b>	0.00500	"	"	"	"	"	"	
<b>Benzo (a) anthracene</b>	<b>0.202</b>	0.00500	"	"	"	"	"	"	E
<b>Benzo (a) pyrene</b>	<b>0.114</b>	0.00500	"	"	"	"	"	"	
<b>Benzo (b) fluoranthene</b>	<b>0.267</b>	0.00500	"	"	"	"	"	"	E
<b>Benzo (k) fluoranthene</b>	<b>0.0862</b>	0.00500	"	"	"	"	"	"	
<b>Chrysene</b>	<b>0.190</b>	0.00500	"	"	"	"	"	"	
<b>Dibenz (a,h) anthracene</b>	<b>0.0193</b>	0.00500	"	"	"	"	"	"	
<b>Fluoranthene</b>	<b>0.436</b>	0.00500	"	"	"	"	"	"	E
Fluorene	ND	0.00500	"	"	"	"	"	"	
<b>Indeno (1,2,3-cd) pyrene</b>	<b>0.160</b>	0.00500	"	"	"	"	"	"	
<b>Pyrene</b>	<b>0.551</b>	0.00500	"	"	"	"	"	"	E
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/20/24 14:04**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0201	60.3 %	40-140		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0222	66.6 %	40-140		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **12/20/24 14:04**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BIB0643	02/12/25	02/19/25	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **12/20/24 14:04**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Project: Civitas - Anderson MB 33-3J

Project Number: 23729  
Project Manager: Sam Vogt

**Reported:**  
02/24/25 11:07

**FL-B03@3'**  
**2412460-02 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Arsenic	4.21	0.200	mg/kg dry	1	BIB0671	02/12/25	02/19/25	EPA 6020B
Barium	147	0.400	"	"	"	"	"	"
Cadmium	0.277	0.200	"	"	"	"	"	"
Copper	8.94	0.400	"	"	"	"	"	"
Lead	14.7	0.200	"	"	"	"	"	"
Nickel	9.84	0.400	"	"	"	"	"	"
Silver	0.0664	0.0200	"	"	"	"	"	"
Zinc	31.6	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: 12/20/24 14:04

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BIA0766	01/16/25	01/20/25	EPA 7196A	

**Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction**

Date Sampled: 12/20/24 14:04

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	26.9	0.0500	mg/L dry	1	BIA0776	01/16/25	01/22/25	EPA 6020B	
Magnesium	5.70	0.0500	"	"	"	"	"	"	
Sodium	9.86	0.0500	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: 12/20/24 14:04

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.451	0.00100	units	1	BIA1044	01/22/25	01/22/25	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: 12/20/24 14:04

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Project: Civitas - Anderson MB 33-3J

Project Number: 23729  
Project Manager: Sam Vogt

**Reported:**  
02/24/25 11:07

**FL-B03@3'**  
**2412460-02 (Soil)**

**Summit Scientific**

**Physical Parameters by APHA/ASTM/EPA Methods**

% Solids	85.6	%	1	BIA0728	01/16/25	01/16/25	Calculation
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**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **12/20/24 14:04**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	<b>0.198</b>	0.0100	mmhos/cm	1	BIA0772	01/16/25	01/21/25	EPA 120.1	

**Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction**

Date Sampled: **12/20/24 14:04**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	<b>8.45</b>		pH Units	1	BIA0767	01/16/25	01/21/25	EPA 9045D	

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Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Civitas - Anderson MB 33-3J

Project Number: 23729  
Project Manager: Sam Vogt

**Reported:**  
02/24/25 11:07

**FL-B04@3'**  
**2412460-03 (Soil)**

**Summit Scientific**

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

Date Sampled: **12/20/24 14:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BHL1408	12/31/24	01/03/25	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **12/20/24 14:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0340	85.1 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0399	99.8 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0359	89.8 %	50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **12/20/24 14:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BHL1419	12/31/24	01/05/25	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/20/24 14:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	6.09	48.7 %	30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

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6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Civitas - Anderson MB 33-3J

Project Number: 23729  
Project Manager: Sam Vogt

**Reported:**  
02/24/25 11:07

**FL-B04@3'**  
**2412460-03 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **12/20/24 14:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BIA0005	01/02/25	01/10/25	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/20/24 14:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0284	85.1 %	40-140		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0228	68.5 %	40-140		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **12/20/24 14:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BIB0643	02/12/25	02/19/25	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **12/20/24 14:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Civitas - Anderson MB 33-3J

Project Number: 23729  
Project Manager: Sam Vogt

**Reported:**  
02/24/25 11:07

**FL-B04@3'**  
**2412460-03 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Arsenic	2.01	0.200	mg/kg dry	1	BIB0671	02/12/25	02/19/25	EPA 6020B
Barium	62.8	0.400	"	"	"	"	"	"
Cadmium	0.515	0.200	"	"	"	"	"	"
Copper	6.96	0.400	"	"	"	"	"	"
Lead	8.12	0.200	"	"	"	"	"	"
Nickel	5.88	0.400	"	"	"	"	"	"
Silver	0.0344	0.0200	"	"	"	"	"	"
Zinc	22.4	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: 12/20/24 14:06

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BIA0766	01/16/25	01/20/25	EPA 7196A	

**Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction**

Date Sampled: 12/20/24 14:06

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	82.1	0.0500	mg/L dry	1	BIA0776	01/16/25	01/22/25	EPA 6020B	
Magnesium	9.55	0.0500	"	"	"	"	"	"	
Sodium	2.88	0.0500	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: 12/20/24 14:06

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.0802	0.00100	units	1	BIA1044	01/22/25	01/22/25	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: 12/20/24 14:06

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Civitas - Anderson MB 33-3J

Project Number: 23729  
Project Manager: Sam Vogt

**Reported:**  
02/24/25 11:07

**FL-B04@3'**  
**2412460-03 (Soil)**

**Summit Scientific**

**Physical Parameters by APHA/ASTM/EPA Methods**

% Solids	92.7	%	1	BIA0728	01/16/25	01/16/25	Calculation
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**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **12/20/24 14:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	<b>0.0996</b>	0.0100	mmhos/cm	1	BIA0772	01/16/25	01/21/25	EPA 120.1	

**Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction**

Date Sampled: **12/20/24 14:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	<b>8.89</b>		pH Units	1	BIA0767	01/16/25	01/21/25	EPA 9045D	

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6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Civitas - Anderson MB 33-3J

Project Number: 23729  
Project Manager: Sam Vogt

**Reported:**  
02/24/25 11:07

**FL-B05@3'**  
**2412460-04 (Soil)**

**Summit Scientific**

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

Date Sampled: **12/20/24 14:08**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BHL1408	12/31/24	01/03/25	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **12/20/24 14:08**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0324	81.1 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0399	99.8 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0328	82.0 %	50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **12/20/24 14:08**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BHL1419	12/31/24	01/05/25	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/20/24 14:08**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	6.25	50.0 %	30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

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Project: Civitas - Anderson MB 33-3J

Project Number: 23729  
Project Manager: Sam Vogt

**Reported:**  
02/24/25 11:07

**FL-B05@3'**  
**2412460-04 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **12/20/24 14:08**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BIA0005	01/02/25	01/10/25	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
<b>Fluoranthene</b>	<b>0.00640</b>	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/20/24 14:08**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0283	84.8 %	40-140		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0257	77.1 %	40-140		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **12/20/24 14:08**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BIB0643	02/12/25	02/19/25	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **12/20/24 14:08**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Civitas - Anderson MB 33-3J

Project Number: 23729  
Project Manager: Sam Vogt

**Reported:**  
02/24/25 11:07

**FL-B05@3'**  
**2412460-04 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Arsenic	3.33	0.200	mg/kg dry	1	BIB0671	02/12/25	02/19/25	EPA 6020B
Barium	109	0.400	"	"	"	"	"	"
Cadmium	0.369	0.200	"	"	"	"	"	"
Copper	8.54	0.400	"	"	"	"	"	"
Lead	14.9	0.200	"	"	"	"	"	"
Nickel	8.45	0.400	"	"	"	"	"	"
Silver	0.0723	0.0200	"	"	"	"	"	"
Zinc	33.9	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: 12/20/24 14:08

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BIA0766	01/16/25	01/20/25	EPA 7196A	

**Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction**

Date Sampled: 12/20/24 14:08

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	55.8	0.0500	mg/L dry	1	BIA0776	01/16/25	01/22/25	EPA 6020B	
Magnesium	6.58	0.0500	"	"	"	"	"	"	
Sodium	3.08	0.0500	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: 12/20/24 14:08

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.104	0.00100	units	1	BIA1044	01/22/25	01/22/25	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: 12/20/24 14:08

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Project Number: 23729  
Project Manager: Sam Vogt

**Reported:**  
02/24/25 11:07

**FL-B05@3'**  
**2412460-04 (Soil)**

**Summit Scientific**

**Physical Parameters by APHA/ASTM/EPA Methods**

% Solids	90.4	%	1	BIA0728	01/16/25	01/16/25	Calculation
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**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **12/20/24 14:08**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.124	0.0100	mmhos/cm	1	BIA0772	01/16/25	01/21/25	EPA 120.1	

**Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction**

Date Sampled: **12/20/24 14:08**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.73		pH Units	1	BIA0767	01/16/25	01/21/25	EPA 9045D	

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6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Civitas - Anderson MB 33-3J

Project Number: 23729  
Project Manager: Sam Vogt

**Reported:**  
02/24/25 11:07

**SP-CS01**  
**2412460-05 (Soil)**

**Summit Scientific**

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

Date Sampled: **12/20/24 14:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BHL1408	12/31/24	01/03/25	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **12/20/24 14:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0290	72.4 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0404	101 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0335	83.8 %	50-150		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **12/20/24 14:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>C10-C28 (DRO)</b>	<b>240</b>	50	mg/kg	1	BHL1419	12/31/24	01/05/25	EPA 8015M	
<b>C28-C36 (ORO)</b>	<b>190</b>	50	"	"	"	"	"	"	

Date Sampled: **12/20/24 14:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	7.62	60.9 %	30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

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Project: Civitas - Anderson MB 33-3J

Project Number: 23729  
Project Manager: Sam Vogt

**Reported:**  
02/24/25 11:07

**SP-CS01**  
**2412460-05 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **12/20/24 14:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BIA0005	01/02/25	01/10/25	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
<b>Benzo (a) anthracene</b>	<b>0.0111</b>	0.00500	"	"	"	"	"	"	
<b>Benzo (a) pyrene</b>	<b>0.00631</b>	0.00500	"	"	"	"	"	"	
<b>Benzo (b) fluoranthene</b>	<b>0.00916</b>	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
<b>Chrysene</b>	<b>0.0112</b>	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
<b>Fluoranthene</b>	<b>0.0277</b>	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
<b>Pyrene</b>	<b>0.0389</b>	0.00500	"	"	"	"	"	"	
<b>1-Methylnaphthalene</b>	<b>0.00549</b>	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/20/24 14:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0225	67.4 %	40-140		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0228	68.4 %	40-140		"	"	"	"	

**Total Metals by EPA 6020B Hot Water Soluble Extraction**

Date Sampled: **12/20/24 14:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BIB0643	02/12/25	02/19/25	EPA 6020B	

**Total Metals by EPA 6020B**

Date Sampled: **12/20/24 14:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Civitas - Anderson MB 33-3J

Project Number: 23729  
Project Manager: Sam Vogt

**Reported:**  
02/24/25 11:07

**SP-CS01**  
**2412460-05 (Soil)**

**Summit Scientific**

**Total Metals by EPA 6020B**

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	3.93	0.200	mg/kg dry	1	BIB0671	02/12/25	02/19/25	EPA 6020B	
Barium	771	0.400	"	"	"	"	"	"	
Cadmium	0.350	0.200	"	"	"	"	"	"	
Copper	9.07	0.400	"	"	"	"	"	"	
Lead	15.7	0.200	"	"	"	"	"	"	
Nickel	9.32	0.400	"	"	"	"	"	"	
Silver	0.0664	0.0200	"	"	"	"	"	"	
Zinc	37.7	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

**Hexavalent Chromium by EPA Method 7196**

Date Sampled: 12/20/24 14:10

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BIA0766	01/16/25	01/20/25	EPA 7196A	

**Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction**

Date Sampled: 12/20/24 14:10

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	44.4	0.0500	mg/L dry	1	BIA0776	01/16/25	01/22/25	EPA 6020B	
Magnesium	10.6	0.0500	"	"	"	"	"	"	
Sodium	23.8	0.0500	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: 12/20/24 14:10

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.833	0.00100	units	1	BIA1044	01/22/25	01/22/25	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: 12/20/24 14:10

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Civitas - Anderson MB 33-3J

Project Number: 23729  
Project Manager: Sam Vogt

**Reported:**  
02/24/25 11:07

**SP-CS01**  
**2412460-05 (Soil)**

**Summit Scientific**

**Physical Parameters by APHA/ASTM/EPA Methods**

% Solids	90.0	%	1	BIA0728	01/16/25	01/16/25	Calculation
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**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction**

Date Sampled: **12/20/24 14:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.417	0.0100	mmhos/cm	1	BIA0772	01/16/25	01/21/25	EPA 120.1	

**Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction**

Date Sampled: **12/20/24 14:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.23		pH Units	1	BIA0767	01/16/25	01/21/25	EPA 9045D	

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6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Civitas - Anderson MB 33-3J

Project Number: 23729  
Project Manager: Sam Vogt

**Reported:**  
02/24/25 11:07

### 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 BHL1408 - EPA 5030 Soil MS

##### Blank (BHL1408-BLK1)

Prepared: 12/31/24 Analyzed: 01/02/25

Benzene	ND	0.0020	mg/kg								
Toluene	ND	0.0050	"								
Ethylbenzene	ND	0.0050	"								
Xylenes (total)	ND	0.010	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
Naphthalene	ND	0.0038	"								
Gasoline Range Hydrocarbons	ND	0.50	"								
Surrogate: 1,2-Dichloroethane-d4	0.0365		"	0.0400		91.2	50-150				
Surrogate: Toluene-d8	0.0412		"	0.0400		103	50-150				
Surrogate: 4-Bromofluorobenzene	0.0364		"	0.0400		91.0	50-150				

##### LCS (BHL1408-BS1)

Prepared: 12/31/24 Analyzed: 01/02/25

Benzene	0.0979	0.0020	mg/kg	0.100		97.9	70-130				
Toluene	0.0999	0.0050	"	0.100		99.9	70-130				
Ethylbenzene	0.0937	0.0050	"	0.100		93.7	70-130				
m,p-Xylene	0.194	0.010	"	0.200		96.9	70-130				
o-Xylene	0.0968	0.0050	"	0.100		96.8	70-130				
1,2,4-Trimethylbenzene	0.0932	0.0050	"	0.100		93.2	70-130				
1,3,5-Trimethylbenzene	0.0913	0.0050	"	0.100		91.3	70-130				
Naphthalene	0.0930	0.0038	"	0.100		93.0	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.0379		"	0.0400		94.6	50-150				
Surrogate: Toluene-d8	0.0408		"	0.0400		102	50-150				
Surrogate: 4-Bromofluorobenzene	0.0392		"	0.0400		97.9	50-150				

##### Matrix Spike (BHL1408-MS1)

Source: 2412449-01

Prepared: 12/31/24 Analyzed: 01/02/25

Benzene	0.101	0.0020	mg/kg	0.100	ND	101	70-130				
Toluene	0.102	0.0050	"	0.100	ND	102	70-130				
Ethylbenzene	0.0991	0.0050	"	0.100	ND	99.1	70-130				
m,p-Xylene	0.192	0.010	"	0.200	ND	96.1	70-130				
o-Xylene	0.102	0.0050	"	0.100	ND	102	70-130				
1,2,4-Trimethylbenzene	0.0869	0.0050	"	0.100	ND	86.9	70-130				
1,3,5-Trimethylbenzene	0.0920	0.0050	"	0.100	ND	92.0	70-130				
Naphthalene	0.0925	0.0038	"	0.100	ND	92.5	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.0377		"	0.0400		94.3	50-150				
Surrogate: Toluene-d8	0.0407		"	0.0400		102	50-150				
Surrogate: 4-Bromofluorobenzene	0.0393		"	0.0400		98.2	50-150				

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Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Civitas - Anderson MB 33-3J

Project Number: 23729  
Project Manager: Sam Vogt

**Reported:**  
02/24/25 11:07

**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 BHL1408 - EPA 5030 Soil MS**

<b>Matrix Spike Dup (BHL1408-MSD1)</b>	<b>Source: 2412449-01</b>			<b>Prepared: 12/31/24 Analyzed: 01/02/25</b>						
Benzene	0.107	0.0020	mg/kg	0.100	ND	107	70-130	5.53	30	
Toluene	0.107	0.0050	"	0.100	ND	107	70-130	5.29	30	
Ethylbenzene	0.102	0.0050	"	0.100	ND	102	70-130	3.01	30	
m,p-Xylene	0.200	0.010	"	0.200	ND	99.8	70-130	3.81	30	
o-Xylene	0.104	0.0050	"	0.100	ND	104	70-130	2.42	30	
1,2,4-Trimethylbenzene	0.0902	0.0050	"	0.100	ND	90.2	70-130	3.63	30	
1,3,5-Trimethylbenzene	0.0955	0.0050	"	0.100	ND	95.5	70-130	3.71	30	
Naphthalene	0.0946	0.0038	"	0.100	ND	94.6	70-130	2.21	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0371</i>		<i>"</i>	<i>0.0400</i>		<i>92.7</i>	<i>50-150</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0410</i>		<i>"</i>	<i>0.0400</i>		<i>103</i>	<i>50-150</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0398</i>		<i>"</i>	<i>0.0400</i>		<i>99.4</i>	<i>50-150</i>			

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Project: Civitas - Anderson MB 33-3J

Project Number: 23729  
Project Manager: Sam Vogt

**Reported:**  
02/24/25 11:07

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

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

**Batch BHL1419 - EPA 3550A**

**Blank (BHL1419-BLK1)**

Prepared: 12/31/24 Analyzed: 01/04/25

C10-C28 (DRO)	ND	50	mg/kg							
C28-C36 (ORO)	ND	50	"							
Surrogate: <i>o</i> -Terphenyl	9.18		"	12.5		73.5		30-150		

**LCS (BHL1419-BS1)**

Prepared: 12/31/24 Analyzed: 01/04/25

C10-C28 (DRO)	435	50	mg/kg	500		87.0		70-130		
Surrogate: <i>o</i> -Terphenyl	9.11		"	12.5		72.9		30-150		

**Matrix Spike (BHL1419-MS1)**

Source: 2412449-01

Prepared: 12/31/24 Analyzed: 01/04/25

C10-C28 (DRO)	527	50	mg/kg	500	25.5	100		70-130		
Surrogate: <i>o</i> -Terphenyl	8.72		"	12.5		69.8		30-150		

**Matrix Spike Dup (BHL1419-MSD1)**

Source: 2412449-01

Prepared: 12/31/24 Analyzed: 01/04/25

C10-C28 (DRO)	509	50	mg/kg	500	25.5	96.7		70-130	3.38	20
Surrogate: <i>o</i> -Terphenyl	9.10		"	12.5		72.8		30-150		

Summit Scientific

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Project: Civitas - Anderson MB 33-3J

Project Number: 23729  
Project Manager: Sam Vogt

**Reported:**  
02/24/25 11:07

**PAH by EPA Method 8270D SIM - Quality Control**

**Summit Scientific**

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

**Batch BIA0005 - EPA 5030 Soil MS**

**Blank (BIA0005-BLK1)**

Prepared: 01/02/25 Analyzed: 01/10/25

Acenaphthene	ND	0.00500	mg/kg							
Anthracene	ND	0.00500	"							
Benzo (a) anthracene	ND	0.00500	"							
Benzo (a) pyrene	ND	0.00500	"							
Benzo (b) fluoranthene	ND	0.00500	"							
Benzo (k) fluoranthene	ND	0.00500	"							
Chrysene	ND	0.00500	"							
Dibenz (a,h) anthracene	ND	0.00500	"							
Fluoranthene	ND	0.00500	"							
Fluorene	ND	0.00500	"							
Indeno (1,2,3-cd) pyrene	ND	0.00500	"							
Pyrene	ND	0.00500	"							
1-Methylnaphthalene	ND	0.00500	"							
2-Methylnaphthalene	ND	0.00500	"							
Surrogate: 2-Methylnaphthalene-d10	0.0257		"	0.0333		77.0	40-140			
Surrogate: Fluoranthene-d10	0.0268		"	0.0333		80.5	40-140			

**LCS (BIA0005-BS1)**

Prepared: 01/02/25 Analyzed: 01/10/25

Acenaphthene	0.0222	0.00500	mg/kg	0.0333		66.5	40-140			
Anthracene	0.0250	0.00500	"	0.0333		75.1	40-140			
Benzo (a) anthracene	0.0256	0.00500	"	0.0333		76.8	40-140			
Benzo (a) pyrene	0.0218	0.00500	"	0.0333		65.4	40-140			
Benzo (b) fluoranthene	0.0230	0.00500	"	0.0333		68.9	40-140			
Benzo (k) fluoranthene	0.0226	0.00500	"	0.0333		67.8	40-140			
Chrysene	0.0242	0.00500	"	0.0333		72.5	40-140			
Dibenz (a,h) anthracene	0.0187	0.00500	"	0.0333		56.1	40-140			
Fluoranthene	0.0236	0.00500	"	0.0333		70.7	40-140			
Fluorene	0.0235	0.00500	"	0.0333		70.5	40-140			
Indeno (1,2,3-cd) pyrene	0.0208	0.00500	"	0.0333		62.5	40-140			
Pyrene	0.0282	0.00500	"	0.0333		84.5	40-140			
1-Methylnaphthalene	0.0196	0.00500	"	0.0333		58.8	40-140			
2-Methylnaphthalene	0.0200	0.00500	"	0.0333		60.1	40-140			
Surrogate: 2-Methylnaphthalene-d10	0.0202		"	0.0333		60.6	40-140			
Surrogate: Fluoranthene-d10	0.0243		"	0.0333		72.9	40-140			

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Project: Civitas - Anderson MB 33-3J

Project Number: 23729  
Project Manager: Sam Vogt

**Reported:**  
02/24/25 11:07

**PAH by EPA Method 8270D SIM - Quality Control**

**Summit Scientific**

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

**Batch BIA0005 - EPA 5030 Soil MS**

<b>Matrix Spike (BIA0005-MS1)</b>	<b>Source: 2412460-01</b>			<b>Prepared: 01/02/25 Analyzed: 01/10/25</b>						
Acenaphthene	0.0234	0.00500	mg/kg	0.0333	ND	70.3	40-140			
Anthracene	0.0403	0.00500	"	0.0333	1.81	NR	40-140			QM-05
Benzo (a) anthracene	0.0698	0.00500	"	0.0333	6.39	NR	40-140			QM-05
Benzo (a) pyrene	0.0445	0.00500	"	0.0333	3.40	NR	40-140			QM-05
Benzo (b) fluoranthene	0.0569	0.00500	"	0.0333	4.45	NR	40-140			QM-05
Benzo (k) fluoranthene	0.0312	0.00500	"	0.0333	1.50	NR	40-140			QM-05
Chrysene	0.0630	0.00500	"	0.0333	5.35	NR	40-140			QM-05
Dibenz (a,h) anthracene	0.0170	0.00500	"	0.0333	ND	50.9	40-140			
Fluoranthene	0.140	0.00500	"	0.0333	15.7	NR	40-140			QM-05
Fluorene	0.0238	0.00500	"	0.0333	ND	71.3	40-140			
Indeno (1,2,3-cd) pyrene	0.0412	0.00500	"	0.0333	2.04	NR	40-140			QM-05
Pyrene	0.196	0.00500	"	0.0333	16.7	NR	40-140			QM-05
1-Methylnaphthalene	0.0167	0.00500	"	0.0333	ND	50.1	40-140			
2-Methylnaphthalene	0.0172	0.00500	"	0.0333	ND	51.6	40-140			
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0164</i>		<i>"</i>	<i>0.0333</i>		<i>49.1</i>	<i>40-140</i>			
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0180</i>		<i>"</i>	<i>0.0333</i>		<i>53.9</i>	<i>40-140</i>			

<b>Matrix Spike Dup (BIA0005-MSD1)</b>	<b>Source: 2412460-01</b>			<b>Prepared: 01/02/25 Analyzed: 01/10/25</b>						
Acenaphthene	0.0232	0.00500	mg/kg	0.0333	ND	69.7	40-140	200	30	QM-05
Anthracene	0.0336	0.00500	"	0.0333	1.81	NR	40-140	18.1	30	QM-05
Benzo (a) anthracene	0.0671	0.00500	"	0.0333	6.39	NR	40-140	3.95	30	QM-05
Benzo (a) pyrene	0.0447	0.00500	"	0.0333	3.40	NR	40-140	0.350	30	QM-05
Benzo (b) fluoranthene	0.0578	0.00500	"	0.0333	4.45	NR	40-140	1.58	30	QM-05
Benzo (k) fluoranthene	0.0331	0.00500	"	0.0333	1.50	NR	40-140	200	30	QM-05
Chrysene	0.0647	0.00500	"	0.0333	5.35	NR	40-140	2.66	30	QM-05
Dibenz (a,h) anthracene	0.0164	0.00500	"	0.0333	ND	49.2	40-140	200	30	QM-05
Fluoranthene	0.138	0.00500	"	0.0333	15.7	NR	40-140	1.37	30	QM-05
Fluorene	0.0224	0.00500	"	0.0333	ND	67.2	40-140	200	30	QM-05
Indeno (1,2,3-cd) pyrene	0.0378	0.00500	"	0.0333	2.04	NR	40-140	200	30	QM-05
Pyrene	0.241	0.00500	"	0.0333	16.7	NR	40-140	20.5	30	QM-05
1-Methylnaphthalene	0.0184	0.00500	"	0.0333	ND	55.2	40-140	9.64	30	
2-Methylnaphthalene	0.0184	0.00500	"	0.0333	ND	55.3	40-140	6.85	30	
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0182</i>		<i>"</i>	<i>0.0333</i>		<i>54.6</i>	<i>40-140</i>			
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0195</i>		<i>"</i>	<i>0.0333</i>		<i>58.6</i>	<i>40-140</i>			

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Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Civitas - Anderson MB 33-3J

Project Number: 23729  
Project Manager: Sam Vogt

**Reported:**  
02/24/25 11:07

**Total Metals by EPA 6020B Hot Water Soluble Extraction - Quality Control**  
**Summit Scientific**

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

**Batch BIB0643 - EPA 3050B**

**Blank (BIB0643-BLK1)**

Prepared: 02/12/25 Analyzed: 02/19/25

Boron ND 2.00 mg/L

**LCS (BIB0643-BS1)**

Prepared: 02/12/25 Analyzed: 02/19/25

Boron 4.72 2.00 mg/L 5.00 94.4 80-120

**Duplicate (BIB0643-DUP1)**

**Source: 2412459-08**

Prepared: 02/12/25 Analyzed: 02/19/25

Boron ND 2.00 mg/L ND 20

**Matrix Spike (BIB0643-MS1)**

**Source: 2412459-08**

Prepared: 02/12/25 Analyzed: 02/19/25

Boron 4.92 2.00 mg/L 4.99 ND 98.6 75-125

**Matrix Spike Dup (BIB0643-MSD1)**

**Source: 2412459-08**

Prepared: 02/12/25 Analyzed: 02/19/25

Boron 4.92 2.00 mg/L 4.99 ND 98.7 75-125 0.0732 25

Summit Scientific

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Project: Civitas - Anderson MB 33-3J

Project Number: 23729  
Project Manager: Sam Vogt

**Reported:**  
02/24/25 11:07

**Total Metals by EPA 6020B - Quality Control**  
**Summit Scientific**

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

**Batch BIB0671 - EPA 3050B**

**Blank (BIB0671-BLK1)**

Prepared: 02/12/25 Analyzed: 02/19/25

Arsenic	ND	0.200	mg/kg wet						
Barium	ND	0.400	"						
Cadmium	ND	0.200	"						
Copper	ND	0.400	"						
Lead	ND	0.200	"						
Nickel	ND	0.400	"						
Silver	ND	0.0200	"						
Zinc	ND	0.400	"						
Selenium	ND	0.260	"						

**LCS (BIB0671-BS1)**

Prepared: 02/12/25 Analyzed: 02/19/25

Arsenic	46.5	0.200	mg/kg wet	41.7	112	80-120
Barium	41.3	0.400	"	41.7	99.0	80-120
Cadmium	2.19	0.200	"	2.08	105	80-120
Copper	48.5	0.400	"	41.7	116	80-120
Lead	21.6	0.200	"	20.8	104	80-120
Nickel	47.3	0.400	"	41.7	114	80-120
Silver	2.16	0.0200	"	2.08	104	80-120
Zinc	47.6	0.400	"	41.7	114	80-120
Selenium	3.52	0.260	"	4.17	84.5	80-120

**Duplicate (BIB0671-DUP1)**

Source: 2412441-01

Prepared: 02/12/25 Analyzed: 02/19/25

Arsenic	0.957	0.200	mg/kg dry	0.937	2.14	20	
Barium	58.2	0.400	"	35.5	48.4	20	QR-04
Cadmium	0.0886	0.200	"	0.0932	5.10	20	
Copper	3.74	0.400	"	2.52	38.9	20	QR-01
Lead	3.17	0.200	"	3.32	4.64	20	
Nickel	2.22	0.400	"	2.27	2.35	20	
Silver	0.0116	0.0200	"	0.0150	25.3	20	QR-01
Zinc	10.5	0.400	"	10.7	1.09	20	
Selenium	ND	0.260	"	ND		20	

Summit Scientific

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Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Civitas - Anderson MB 33-3J

Project Number: 23729  
Project Manager: Sam Vogt

**Reported:**  
02/24/25 11:07

**Total Metals by EPA 6020B - Quality Control**  
**Summit Scientific**

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

**Batch BIB0671 - EPA 3050B**

**Matrix Spike (BIB0671-MS1)**

Source: 2412441-01

Prepared: 02/12/25 Analyzed: 02/19/25

Arsenic	41.8	0.200	mg/kg dry	45.1	0.937	90.7	75-125			
Barium	76.5	0.400	"	45.1	35.5	90.8	75-125			
Cadmium	2.38	0.200	"	2.26	0.0932	101	75-125			
Copper	44.4	0.400	"	45.1	2.52	92.8	75-125			
Lead	26.5	0.200	"	22.6	3.32	103	75-125			
Nickel	43.6	0.400	"	45.1	2.27	91.5	75-125			
Silver	2.21	0.0200	"	2.26	0.0150	97.4	75-125			
Zinc	52.8	0.400	"	45.1	10.7	93.5	75-125			
Selenium	3.55	0.260	"	4.51	ND	78.7	75-125			

**Matrix Spike Dup (BIB0671-MSD1)**

Source: 2412441-01

Prepared: 02/12/25 Analyzed: 02/19/25

Arsenic	43.5	0.200	mg/kg dry	46.2	0.937	92.1	75-125	4.00	25
Barium	75.6	0.400	"	46.2	35.5	86.5	75-125	1.23	25
Cadmium	2.45	0.200	"	2.31	0.0932	102	75-125	2.70	25
Copper	45.9	0.400	"	46.2	2.52	93.8	75-125	3.35	25
Lead	26.4	0.200	"	23.1	3.32	99.7	75-125	0.379	25
Nickel	45.0	0.400	"	46.2	2.27	92.5	75-125	3.30	25
Silver	2.27	0.0200	"	2.31	0.0150	97.7	75-125	2.80	25
Zinc	54.3	0.400	"	46.2	10.7	94.3	75-125	2.65	25
Selenium	3.77	0.260	"	4.62	ND	81.4	75-125	5.92	25

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Project: Civitas - Anderson MB 33-3J

Project Number: 23729  
Project Manager: Sam Vogt

**Reported:**  
02/24/25 11:07

**Hexavalent Chromium by EPA Method 7196 - Quality Control**  
**Summit Scientific**

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

**Batch BIA0766 - 3060A Mod**

**Blank (BIA0766-BLK1)**

Prepared: 01/16/25 Analyzed: 01/20/25

Chromium, Hexavalent ND 0.30 mg/kg wet

**LCS (BIA0766-BS1)**

Prepared: 01/16/25 Analyzed: 01/20/25

Chromium, Hexavalent 25.7 0.30 mg/kg wet 25.5 101 80-120

**Duplicate (BIA0766-DUP1)**

**Source: 2412459-01**

Prepared: 01/16/25 Analyzed: 01/20/25

Chromium, Hexavalent ND 0.30 mg/kg dry ND 20

**Matrix Spike (BIA0766-MS1)**

**Source: 2412459-01**

Prepared: 01/16/25 Analyzed: 01/20/25

Chromium, Hexavalent 25.0 0.30 mg/kg dry 25.3 ND 99.0 75-125

**Matrix Spike Dup (BIA0766-MSD1)**

**Source: 2412459-01**

Prepared: 01/16/25 Analyzed: 01/20/25

Chromium, Hexavalent 25.0 0.30 mg/kg dry 25.8 ND 97.0 75-125 0.0991 20

Summit Scientific

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Broomfield CO, 80020

Project: Civitas - Anderson MB 33-3J

Project Number: 23729  
Project Manager: Sam Vogt

**Reported:**  
02/24/25 11:07

**Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction - Quality Control**

**Summit Scientific**

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

**Batch BIA0776 - General Preparation**

**Blank (BIA0776-BLK1)**

Prepared: 01/16/25 Analyzed: 01/22/25

Calcium	ND	0.0500	mg/L wet							
Magnesium	ND	0.0500	"							
Sodium	ND	0.0500	"							

**LCS (BIA0776-BS1)**

Prepared: 01/16/25 Analyzed: 01/22/25

Calcium	4.96	0.0500	mg/L wet	5.00	99.2	70-130				
Magnesium	5.00	0.0500	"	5.00	100	70-130				
Sodium	5.13	0.0500	"	5.00	103	70-130				

Summit Scientific

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Project: Civitas - Anderson MB 33-3J

Project Number: 23729  
 Project Manager: Sam Vogt

**Reported:**  
 02/24/25 11:07

**Physical Parameters by APHA/ASTM/EPA Methods - Quality Control**

**Summit Scientific**

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

**Batch BIA0728 - General Preparation**

**Duplicate (BIA0728-DUP1)**

**Source: 2412446-01**

Prepared & Analyzed: 01/16/25

% Solids	82.3		%		82.6			0.325	20	
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Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Civitas - Anderson MB 33-3J

Project Number: 23729  
Project Manager: Sam Vogt

**Reported:**  
02/24/25 11:07

**Specific Conductance by EPA Method 120.1, Saturated Paste Extraction - Quality Control**

**Summit Scientific**

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

**Batch BIA0772 - General Preparation**

**Blank (BIA0772-BLK1)**

Prepared: 01/16/25 Analyzed: 01/21/25

Specific Conductance (EC) ND 0.0100 mmhos/cm

**LCS (BIA0772-BS1)**

Prepared: 01/16/25 Analyzed: 01/21/25

Specific Conductance (EC) 1.39 0.0100 mmhos/cm 1.41 98.6 95-105

**Duplicate (BIA0772-DUP1)**

**Source: 2412459-01**

Prepared: 01/16/25 Analyzed: 01/21/25

Specific Conductance (EC) 0.155 0.0100 mmhos/cm 0.154 0.643 20

Summit Scientific

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Project: Civitas - Anderson MB 33-3J

Project Number: 23729  
Project Manager: Sam Vogt

**Reported:**  
02/24/25 11:07

**Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction - Quality Control**

**Summit Scientific**

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

**Batch BIA0767 - General Preparation**

**LCS (BIA0767-BS1)**

Prepared: 01/16/25 Analyzed: 01/21/25

pH	9.24	pH Units	9.18	101	95-105
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**Duplicate (BIA0767-DUP1)**

Source: 2412459-01

Prepared: 01/16/25 Analyzed: 01/21/25

pH	8.59	pH Units	8.63	0.480	20
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Summit Scientific

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Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Civitas - Anderson MB 33-3J

Project Number: 23729  
Project Manager: Sam Vogt

**Reported:**  
02/24/25 11:07

### Notes and Definitions

- R-01 The reporting limit for this analyte has been raised to account for matrix interference.
- QR-04 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits. Sample results were accepted based on LCS and/or LCSD recoveries and/or RPD values.
- QR-01 Analyses are not controlled on RPD values from sample concentrations below the reporting limit. Sample results were accepted based on LCS and/or LCSD recoveries and/or RPD values.
- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. Sample results were accepted based on LCS and/or LCSD recoveries and/or RPD values.
- E The concentration indicated for this analyte is an estimated value above the calibration range of the instrument.
- 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