

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

February 19, 2025

Sam Vogt

Tasman Geosciences

6855 W. 119th Ave.

Broomfield, CO 80020

RE: Civitas - Kiyota 4I-35H-O367

Work Order #2412514

Enclosed are the results of analyses for samples received by Summit Scientific on 12/27/24 17:22. 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 - Kiyota 4I-35H-O367

Project Number: 24348
Project Manager: Sam Vogt

Reported:
02/19/25 10:59

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-B01@6'	2412514-01	Soil	12/27/24 12:30	12/27/24 17:22
FL-B01@2'	2412514-02	Soil	12/27/24 12:32	12/27/24 17:22

Case Narrative

The project name has been corrected to match COC on 2/19/25.

This is a revision of the report originally sent on 2/19/25 at 10:51 MT.

S₂

Sample Receipt Checklist

S2 Work Order# 2412514

Client: Cintas (asman) Client Project ID: Kiyota 4E-39H-0367

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? ⁽¹⁾ 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"/>	none
If custody seals are present, are they intact? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	none
Are samples due within 48 hours present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	none
Are water samples with short hold times present? Note the short hold analysis in the comments column - pH, Nitrate/Nitrite, Ferrous Iron (Fe ²⁺), Hexavalent Chromium (Cr ⁶⁺ , Cr VI), COD/BOD, Total Coliform, E. Coli, Total Residual Chlorine (TRC), Dissolved Oxygen	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	none
Is a chain-of-custody (COC) form present and filled out completely? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	none
Is the COC properly relinquished by the client w/ date and time recorded? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	none
Were all samples received intact? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	none
Was adequate sample volume provided? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	none
Does the COC agree with the number and type of sample bottles received? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	none
Do the sample IDs on the bottle labels match the COC? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	none
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"/>	none
Are samples preserved that require preservation (excluding cooling)? ⁽¹⁾ Note the type of preservative in the comments column - HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	none
If samples are acid preserved for metals, is the pH ≤ 2? ⁽¹⁾ Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	none
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	none
Additional Comments (if any):				

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

AS
Custodian Printed Name

2/27/24
Date/Time



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

Project: Civitas - Kiyota 4I-35H-O367

Project Number: 24348
Project Manager: Sam Vogt

Reported:
02/19/25 10:59

WH-B01@6'
2412514-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/27/24 12:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BIA0076	01/03/25	01/07/25	EPA 8260B	
Toluene	ND	0.0050		"	"	"	"	"	"	
Ethylbenzene	ND	0.0050		"	"	"	"	"	"	
Xylenes (total)	0.016	0.010		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	0.020	0.0050		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	0.0062	0.0050		"	"	"	"	"	"	
Naphthalene	0.026	0.0038		"	"	"	"	"	"	
Gasoline Range Hydrocarbons	0.50	0.50		"	"	"	"	"	"	

Date Sampled: **12/27/24 12:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0408	102 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0390	97.4 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0457	114 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/27/24 12:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	3600	50		mg/kg	1	BIA0079	01/03/25	01/15/25	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **12/27/24 12:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	15.3	122 %		30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Civitas - Kiyota 4I-35H-O367

Project Number: 24348
Project Manager: Sam Vogt

Reported:
02/19/25 10:59

WH-B01@6'
2412514-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/27/24 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BIA0073	01/03/25	01/07/25	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	0.00944	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	0.777	0.0500	"	10	"	"	01/09/25	"	
2-Methylnaphthalene	1.36	0.0500	"	"	"	"	"	"	

Date Sampled: **12/27/24 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0475	142 %	40-140		"	"	01/07/25	"	S-02
Surrogate: Fluoranthene-d10	0.0347	104 %	40-140		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **12/27/24 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BIB0727	02/13/25	02/19/25	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **12/27/24 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Civitas - Kiyota 4I-35H-O367

Project Number: 24348
Project Manager: Sam Vogt

Reported:
02/19/25 10:59

WH-B01@6'
2412514-01 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Arsenic	2.19	0.200	mg/kg dry	1	BIB0376	02/07/25	02/17/25	EPA 6020B
Barium	1130	0.400	"	"	"	"	"	"
Cadmium	0.314	0.200	"	"	"	"	"	"
Copper	9.16	0.400	"	"	"	"	"	"
Lead	8.93	0.200	"	"	"	"	"	"
Nickel	6.63	0.400	"	"	"	"	"	"
Silver	0.0510	0.0200	"	"	"	"	"	"
Zinc	32.1	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: 12/27/24 12:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BIA0801	01/17/25	01/21/25	EPA 7196A	

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

Date Sampled: 12/27/24 12:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	295	0.0500	mg/L dry	1	BIA0918	01/20/25	01/29/25	EPA 6020B	
Magnesium	0.271	0.0500	"	"	"	"	"	"	
Sodium	195	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: 12/27/24 12:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	3.12	0.00100	units	1	BIA1369	01/29/25	01/29/25	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: 12/27/24 12:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Civitas - Kiyota 4I-35H-O367

Project Number: 24348
Project Manager: Sam Vogt

Reported:
02/19/25 10:59

WH-B01@6'
2412514-01 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	87.4	%	1	BIA0913	01/20/25	01/21/25	Calculation
----------	------	---	---	---------	----------	----------	-------------

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **12/27/24 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	2.44	0.0100	mmhos/cm	1	BIA0899	01/20/25	01/28/25	EPA 120.1	

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

Date Sampled: **12/27/24 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	10.7		pH Units	1	BIA0879	01/20/25	01/28/25	EPA 9045D	

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Civitas - Kiyota 4I-35H-O367

Project Number: 24348
Project Manager: Sam Vogt

Reported:
02/19/25 10:59

FL-B01@2'
2412514-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/27/24 12:32**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BIA0076	01/03/25	01/07/25	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: **12/27/24 12:32**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0386	96.5 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0455	114 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0418	104 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/27/24 12:32**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BIA0079	01/03/25	01/15/25	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **12/27/24 12:32**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	14.0	112 %		30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Civitas - Kiyota 4I-35H-O367

Project Number: 24348
Project Manager: Sam Vogt

Reported:
02/19/25 10:59

FL-B01@2'
2412514-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/27/24 12:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BIA0073	01/03/25	01/07/25	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: **12/27/24 12:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0285	85.6 %	40-140		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0270	81.1 %	40-140		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **12/27/24 12:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BIB0727	02/13/25	02/19/25	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **12/27/24 12:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Civitas - Kiyota 4I-35H-O367

Project Number: 24348
Project Manager: Sam Vogt

Reported:
02/19/25 10:59

FL-B01@2'
2412514-02 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	2.07	0.200	mg/kg dry	1	BIB0376	02/07/25	02/17/25	EPA 6020B	
Barium	161	0.400	"	"	"	"	"	"	
Cadmium	0.660	0.200	"	"	"	"	"	"	
Copper	9.50	0.400	"	"	"	"	"	"	
Lead	23.4	0.200	"	"	"	"	"	"	
Nickel	9.65	0.400	"	"	"	"	"	"	
Silver	0.0812	0.0200	"	"	"	"	"	"	
Zinc	29.2	0.400	"	"	"	"	"	"	
Selenium	0.737	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: 12/27/24 12:32

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BIA0801	01/17/25	01/21/25	EPA 7196A	

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

Date Sampled: 12/27/24 12:32

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	134	0.0500	mg/L dry	1	BIA0918	01/20/25	01/29/25	EPA 6020B	
Magnesium	77.9	0.0500	"	"	"	"	"	"	
Sodium	241	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: 12/27/24 12:32

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	4.10	0.00100	units	1	BIA1369	01/29/25	01/29/25	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: 12/27/24 12:32

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Civitas - Kiyota 4I-35H-O367

Project Number: 24348
Project Manager: Sam Vogt

Reported:
02/19/25 10:59

FL-B01@2'
2412514-02 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	75.4	%	1	BIA0913	01/20/25	01/21/25	Calculation
----------	------	---	---	---------	----------	----------	-------------

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **12/27/24 12:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.72	0.0100	mmhos/cm	1	BIA0899	01/20/25	01/28/25	EPA 120.1	

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

Date Sampled: **12/27/24 12:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.70		pH Units	1	BIA0879	01/20/25	01/28/25	EPA 9045D	

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Civitas - Kiyota 4I-35H-O367

Project Number: 24348
Project Manager: Sam Vogt

Reported:
02/19/25 10:59

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 BIA0076 - EPA 5030 Soil MS

Blank (BIA0076-BLK1)

Prepared: 01/03/25 Analyzed: 01/06/25

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	0.0338		"	0.0400		84.4	50-150				
Surrogate: Toluene-d8	0.0407		"	0.0400		102	50-150				
Surrogate: 4-Bromofluorobenzene	0.0412		"	0.0400		103	50-150				

LCS (BIA0076-BS1)

Prepared: 01/03/25 Analyzed: 01/06/25

Benzene	0.130	0.0020	mg/kg	0.100		130	70-130				
Toluene	0.126	0.0050	"	0.100		126	70-130				
Ethylbenzene	0.112	0.0050	"	0.100		112	70-130				
m,p-Xylene	0.224	0.010	"	0.200		112	70-130				
o-Xylene	0.110	0.0050	"	0.100		110	70-130				
1,2,4-Trimethylbenzene	0.0927	0.0050	"	0.100		92.7	70-130				
1,3,5-Trimethylbenzene	0.0960	0.0050	"	0.100		96.0	70-130				
Naphthalene	0.109	0.0038	"	0.100		109	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.0334		"	0.0400		83.4	50-150				
Surrogate: Toluene-d8	0.0388		"	0.0400		97.0	50-150				
Surrogate: 4-Bromofluorobenzene	0.0415		"	0.0400		104	50-150				

Matrix Spike (BIA0076-MS1)

Source: 2412487-21

Prepared: 01/03/25 Analyzed: 01/06/25

Benzene	0.128	0.0020	mg/kg	0.100	ND	128	70-130				
Toluene	0.122	0.0050	"	0.100	ND	122	70-130				
Ethylbenzene	0.106	0.0050	"	0.100	ND	106	70-130				
m,p-Xylene	0.211	0.010	"	0.200	ND	106	70-130				
o-Xylene	0.0922	0.0050	"	0.100	ND	92.2	70-130				
1,2,4-Trimethylbenzene	0.0887	0.0050	"	0.100	ND	88.7	70-130				
1,3,5-Trimethylbenzene	0.0820	0.0050	"	0.100	ND	82.0	70-130				
Naphthalene	0.0803	0.0038	"	0.100	ND	80.3	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.0349		"	0.0400		87.2	50-150				
Surrogate: Toluene-d8	0.0412		"	0.0400		103	50-150				
Surrogate: 4-Bromofluorobenzene	0.0425		"	0.0400		106	50-150				

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Civitas - Kiyota 4I-35H-O367

Project Number: 24348
Project Manager: Sam Vogt

Reported:
02/19/25 10:59

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 BIA0076 - EPA 5030 Soil MS

Matrix Spike Dup (BIA0076-MSD1)	Source: 2412487-21			Prepared: 01/03/25 Analyzed: 01/06/25						
Benzene	0.123	0.0020	mg/kg	0.100	ND	123	70-130	3.93	30	
Toluene	0.118	0.0050	"	0.100	ND	118	70-130	3.34	30	
Ethylbenzene	0.0937	0.0050	"	0.100	ND	93.7	70-130	11.9	30	
m,p-Xylene	0.198	0.010	"	0.200	ND	98.8	70-130	6.55	30	
o-Xylene	0.0991	0.0050	"	0.100	ND	99.1	70-130	7.15	30	
1,2,4-Trimethylbenzene	0.0784	0.0050	"	0.100	ND	78.4	70-130	12.3	30	
1,3,5-Trimethylbenzene	0.0890	0.0050	"	0.100	ND	89.0	70-130	8.07	30	
Naphthalene	0.0813	0.0038	"	0.100	ND	81.3	70-130	1.30	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0321</i>		<i>"</i>	<i>0.0400</i>		<i>80.2</i>	<i>50-150</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0402</i>		<i>"</i>	<i>0.0400</i>		<i>101</i>	<i>50-150</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0404</i>		<i>"</i>	<i>0.0400</i>		<i>101</i>	<i>50-150</i>			

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Civitas - Kiyota 4I-35H-O367

Project Number: 24348
Project Manager: Sam Vogt

Reported:
02/19/25 10:59

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch BIA0079 - EPA 3550A

Blank (BIA0079-BLK1)

Prepared: 01/03/25 Analyzed: 01/14/25

C10-C28 (DRO)	ND	50	mg/kg								
C28-C36 (ORO)	ND	50	"								
Surrogate: <i>o</i> -Terphenyl	14.3		"	12.5		115		30-150			

LCS (BIA0079-BS1)

Prepared: 01/03/25 Analyzed: 01/14/25

C10-C28 (DRO)	420	50	mg/kg	500		84.0		70-130			
Surrogate: <i>o</i> -Terphenyl	12.1		"	12.5		96.8		30-150			

Matrix Spike (BIA0079-MS1)

Source: 2412486-01

Prepared: 01/03/25 Analyzed: 01/14/25

C10-C28 (DRO)	498	50	mg/kg	500	14.6	96.7		70-130			
Surrogate: <i>o</i> -Terphenyl	10.1		"	12.5		80.9		30-150			

Matrix Spike Dup (BIA0079-MSD1)

Source: 2412486-01

Prepared: 01/03/25 Analyzed: 01/14/25

C10-C28 (DRO)	467	50	mg/kg	500	14.6	90.6		70-130	6.32	20	
Surrogate: <i>o</i> -Terphenyl	10.9		"	12.5		87.1		30-150			

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Civitas - Kiyota 4I-35H-O367

Project Number: 24348
Project Manager: Sam Vogt

Reported:
02/19/25 10:59

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 BIA0073 - EPA 5030 Soil MS

Blank (BIA0073-BLK1)

Prepared: 01/03/25 Analyzed: 01/06/25

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	0.0266		"	0.0333		79.7	40-140			
Surrogate: Fluoranthene-d10	0.0291		"	0.0333		87.3	40-140			

LCS (BIA0073-BS1)

Prepared: 01/03/25 Analyzed: 01/09/25

Acenaphthene	0.0358	0.00500	mg/kg	0.0333		107	40-140			
Anthracene	0.0362	0.00500	"	0.0333		109	40-140			
Benzo (a) anthracene	0.0376	0.00500	"	0.0333		113	40-140			
Benzo (a) pyrene	0.0315	0.00500	"	0.0333		94.5	40-140			
Benzo (b) fluoranthene	0.0331	0.00500	"	0.0333		99.2	40-140			
Benzo (k) fluoranthene	0.0377	0.00500	"	0.0333		113	40-140			
Chrysene	0.0377	0.00500	"	0.0333		113	40-140			
Dibenz (a,h) anthracene	0.0254	0.00500	"	0.0333		76.2	40-140			
Fluoranthene	0.0365	0.00500	"	0.0333		110	40-140			
Fluorene	0.0338	0.00500	"	0.0333		102	40-140			
Indeno (1,2,3-cd) pyrene	0.0144	0.00500	"	0.0333		43.1	40-140			
Pyrene	0.0425	0.00500	"	0.0333		127	40-140			
1-Methylnaphthalene	0.0342	0.00500	"	0.0333		102	40-140			
2-Methylnaphthalene	0.0333	0.00500	"	0.0333		100	40-140			
Surrogate: 2-Methylnaphthalene-d10	0.0329		"	0.0333		98.6	40-140			
Surrogate: Fluoranthene-d10	0.0400		"	0.0333		120	40-140			

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Civitas - Kiyota 4I-35H-O367

Project Number: 24348
Project Manager: Sam Vogt

Reported:
02/19/25 10:59

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 BIA0073 - EPA 5030 Soil MS

Matrix Spike (BIA0073-MS1)	Source: 2412487-21			Prepared: 01/03/25 Analyzed: 01/09/25						
Acenaphthene	0.0186	0.00500	mg/kg	0.0333	ND	55.9	40-140			
Anthracene	0.0188	0.00500	"	0.0333	ND	56.5	40-140			
Benzo (a) anthracene	0.0186	0.00500	"	0.0333	ND	55.7	40-140			
Benzo (a) pyrene	0.0142	0.00500	"	0.0333	ND	42.5	40-140			
Benzo (b) fluoranthene	0.0137	0.00500	"	0.0333	ND	41.1	40-140			
Benzo (k) fluoranthene	0.0167	0.00500	"	0.0333	ND	50.0	40-140			
Chrysene	0.0190	0.00500	"	0.0333	ND	57.1	40-140			
Dibenz (a,h) anthracene	0.0121	0.00500	"	0.0333	ND	36.4	40-140			QM-05
Fluoranthene	0.0183	0.00500	"	0.0333	ND	54.8	40-140			
Fluorene	0.0189	0.00500	"	0.0333	ND	56.6	40-140			
Indeno (1,2,3-cd) pyrene	0.00980	0.00500	"	0.0333	ND	29.4	40-140			QM-05
Pyrene	0.0204	0.00500	"	0.0333	ND	61.3	40-140			
1-Methylnaphthalene	0.0163	0.00500	"	0.0333	ND	49.0	40-140			
2-Methylnaphthalene	0.0161	0.00500	"	0.0333	ND	48.3	40-140			
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0158</i>		<i>"</i>	<i>0.0333</i>		<i>47.5</i>	<i>40-140</i>			
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0200</i>		<i>"</i>	<i>0.0333</i>		<i>59.9</i>	<i>40-140</i>			

Matrix Spike Dup (BIA0073-MSD1)	Source: 2412487-21			Prepared: 01/03/25 Analyzed: 01/09/25						
Acenaphthene	0.0125	0.00500	mg/kg	0.0333	ND	37.5	40-140	39.5	30	QM-05
Anthracene	0.0138	0.00500	"	0.0333	ND	41.3	40-140	31.0	30	QM-05
Benzo (a) anthracene	0.0142	0.00500	"	0.0333	ND	42.7	40-140	26.4	30	
Benzo (a) pyrene	0.0108	0.00500	"	0.0333	ND	32.3	40-140	27.1	30	QM-05
Benzo (b) fluoranthene	0.0104	0.00500	"	0.0333	ND	31.1	40-140	27.8	30	QM-05
Benzo (k) fluoranthene	0.0127	0.00500	"	0.0333	ND	38.1	40-140	27.1	30	QM-05
Chrysene	0.0148	0.00500	"	0.0333	ND	44.5	40-140	24.8	30	
Dibenz (a,h) anthracene	0.0103	0.00500	"	0.0333	ND	30.9	40-140	16.2	30	QM-05
Fluoranthene	0.0137	0.00500	"	0.0333	ND	41.0	40-140	28.7	30	
Fluorene	0.0136	0.00500	"	0.0333	ND	40.9	40-140	32.1	30	QM-05
Indeno (1,2,3-cd) pyrene	0.00856	0.00500	"	0.0333	ND	25.7	40-140	13.5	30	QM-05
Pyrene	0.0162	0.00500	"	0.0333	ND	48.7	40-140	22.9	30	
1-Methylnaphthalene	0.0110	0.00500	"	0.0333	ND	33.0	40-140	39.1	30	QM-05
2-Methylnaphthalene	0.0107	0.00500	"	0.0333	ND	32.1	40-140	40.2	30	QM-05
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0107</i>		<i>"</i>	<i>0.0333</i>		<i>32.1</i>	<i>40-140</i>			<i>QM-05</i>
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0148</i>		<i>"</i>	<i>0.0333</i>		<i>44.3</i>	<i>40-140</i>			

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Civitas - Kiyota 4I-35H-O367

Project Number: 24348
Project Manager: Sam Vogt

Reported:
02/19/25 10:59

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

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

Batch BIB0727 - EPA 3050B

Blank (BIB0727-BLK1)

Prepared: 02/13/25 Analyzed: 02/19/25

Boron ND 2.00 mg/L

LCS (BIB0727-BS1)

Prepared: 02/13/25 Analyzed: 02/19/25

Boron 4.81 2.00 mg/L 5.00 96.1 80-120

Duplicate (BIB0727-DUP1)

Source: 2412505-06

Prepared: 02/13/25 Analyzed: 02/19/25

Boron 0.0985 2.00 mg/L 0.139 33.7 20 QR-01

Matrix Spike (BIB0727-MS1)

Source: 2412505-06

Prepared: 02/13/25 Analyzed: 02/19/25

Boron 4.85 2.00 mg/L 4.98 0.139 94.6 75-125

Matrix Spike Dup (BIB0727-MSD1)

Source: 2412505-06

Prepared: 02/13/25 Analyzed: 02/19/25

Boron 5.02 2.00 mg/L 4.98 0.139 98.0 75-125 3.49 25

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Civitas - Kiyota 4I-35H-O367

Project Number: 24348
Project Manager: Sam Vogt

Reported:
02/19/25 10:59

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 BIB0376 - EPA 3050B

Blank (BIB0376-BLK1)

Prepared: 02/07/25 Analyzed: 02/17/25

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 (BIB0376-BS1)

Prepared: 02/07/25 Analyzed: 02/18/25

Arsenic	46.4	0.200	mg/kg wet	41.0	113	80-120
Barium	47.3	0.400	"	41.0	115	80-120
Cadmium	2.16	0.200	"	2.05	105	80-120
Copper	45.3	0.400	"	41.0	111	80-120
Lead	22.4	0.200	"	20.5	109	80-120
Nickel	47.1	0.400	"	41.0	115	80-120
Silver	2.21	0.0200	"	2.05	108	80-120
Zinc	46.5	0.400	"	41.0	113	80-120
Selenium	4.78	0.260	"	4.10	117	80-120

Duplicate (BIB0376-DUP1)

Source: 2412376-01

Prepared: 02/07/25 Analyzed: 02/17/25

Arsenic	3.89	0.200	mg/kg dry	2.51	42.9	20	QR-04
Barium	86.5	0.400	"	67.6	24.6	20	QR-04
Cadmium	0.167	0.200	"	0.113	38.1	20	QR-01
Copper	4.67	0.400	"	3.40	31.6	20	QR-04
Lead	7.08	0.200	"	5.89	18.4	20	
Nickel	4.11	0.400	"	3.18	25.4	20	QR-04
Silver	0.0148	0.0200	"	0.0129	13.7	20	
Zinc	16.0	0.400	"	12.3	26.1	20	QR-04
Selenium	ND	0.260	"	ND		20	

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Civitas - Kiyota 4I-35H-O367

Project Number: 24348
Project Manager: Sam Vogt

Reported:
02/19/25 10:59

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 BIB0376 - EPA 3050B

Matrix Spike (BIB0376-MS1)	Source: 2412376-01			Prepared: 02/07/25		Analyzed: 02/17/25					
Arsenic	37.3	0.200	mg/kg dry	41.8	2.51	83.1	75-125				
Barium	132	0.400	"	41.8	67.6	155	75-125				QM-05
Cadmium	2.50	0.200	"	2.09	0.113	114	75-125				
Copper	38.3	0.400	"	41.8	3.40	83.5	75-125				
Lead	27.6	0.200	"	20.9	5.89	104	75-125				
Nickel	40.2	0.400	"	41.8	3.18	88.5	75-125				
Silver	2.33	0.0200	"	2.09	0.0129	111	75-125				
Zinc	50.4	0.400	"	41.8	12.3	91.0	75-125				
Selenium	4.54	0.260	"	4.18	ND	109	75-125				

Matrix Spike Dup (BIB0376-MSD1)	Source: 2412376-01			Prepared: 02/07/25		Analyzed: 02/17/25					
Arsenic	37.3	0.200	mg/kg dry	39.9	2.51	87.2	75-125	0.0708	25		
Barium	140	0.400	"	39.9	67.6	182	75-125	5.61	25		QM-05
Cadmium	2.49	0.200	"	1.99	0.113	119	75-125	0.281	25		
Copper	37.0	0.400	"	39.9	3.40	84.3	75-125	3.52	25		
Lead	28.1	0.200	"	19.9	5.89	111	75-125	1.76	25		
Nickel	38.6	0.400	"	39.9	3.18	88.9	75-125	3.95	25		
Silver	2.24	0.0200	"	1.99	0.0129	112	75-125	3.83	25		
Zinc	51.7	0.400	"	39.9	12.3	98.7	75-125	2.59	25		
Selenium	4.31	0.260	"	3.99	ND	108	75-125	5.30	25		

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Civitas - Kiyota 4I-35H-O367

Project Number: 24348
Project Manager: Sam Vogt

Reported:
02/19/25 10:59

Hexavalent Chromium by EPA Method 7196 - Quality Control
Summit Scientific

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

Batch BIA0801 - 3060A Mod

Blank (BIA0801-BLK1)		Prepared: 01/17/25 Analyzed: 01/21/25								
Chromium, Hexavalent	ND	0.30	mg/kg wet							
LCS (BIA0801-BS1)		Prepared: 01/17/25 Analyzed: 01/21/25								
Chromium, Hexavalent	24.1	0.30	mg/kg wet	24.8		97.2	80-120			
Duplicate (BIA0801-DUP1)		Source: 2412507-01		Prepared: 01/17/25 Analyzed: 01/21/25						
Chromium, Hexavalent	ND	0.30	mg/kg dry		ND				20	
Matrix Spike (BIA0801-MS1)		Source: 2412507-01		Prepared: 01/17/25 Analyzed: 01/21/25						
Chromium, Hexavalent	28.0	0.30	mg/kg dry	26.1	ND	107	75-125			
Matrix Spike Dup (BIA0801-MSD1)		Source: 2412507-01		Prepared: 01/17/25 Analyzed: 01/21/25						
Chromium, Hexavalent	31.4	0.30	mg/kg dry	27.2	ND	115	75-125	11.2	20	

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Civitas - Kiyota 4I-35H-O367

Project Number: 24348
Project Manager: Sam Vogt

Reported:
02/19/25 10:59

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 BIA0918 - General Preparation

Blank (BIA0918-BLK1)

Prepared: 01/20/25 Analyzed: 01/29/25

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

LCS (BIA0918-BS1)

Prepared: 01/20/25 Analyzed: 01/29/25

Calcium	5.00	0.0500	mg/L wet	5.00	99.9	70-130				
Magnesium	5.12	0.0500	"	5.00	102	70-130				
Sodium	5.28	0.0500	"	5.00	106	70-130				

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Civitas - Kiyota 4I-35H-O367

Project Number: 24348
Project Manager: Sam Vogt

Reported:
02/19/25 10:59

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 BIA0913 - General Preparation

Duplicate (BIA0913-DUP1)

Source: 2412511-01

Prepared: 01/20/25 Analyzed: 01/21/25

% Solids	83.6		%		83.2			0.537	20	
----------	------	--	---	--	------	--	--	-------	----	--

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Civitas - Kiyota 4I-35H-O367

Project Number: 24348
Project Manager: Sam Vogt

Reported:
02/19/25 10:59

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 BIA0899 - General Preparation

Blank (BIA0899-BLK1)

Prepared: 01/20/25 Analyzed: 01/28/25

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BIA0899-BS1)

Prepared: 01/20/25 Analyzed: 01/28/25

Specific Conductance (EC) 1.38 0.0100 mmhos/cm 1.41 97.7 95-105

Duplicate (BIA0899-DUP1)

Source: 2412514-01

Prepared: 01/20/25 Analyzed: 01/28/25

Specific Conductance (EC) 2.42 0.0100 mmhos/cm 2.44 0.849 20

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Civitas - Kiyota 4I-35H-O367

Project Number: 24348
Project Manager: Sam Vogt

Reported:
02/19/25 10:59

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 BIA0879 - General Preparation

LCS (BIA0879-BS1)

Prepared: 01/20/25 Analyzed: 01/28/25

pH	9.16	pH Units	9.18	99.8	95-105
----	------	----------	------	------	--------

Duplicate (BIA0879-DUP1)

Source: 2412514-01

Prepared: 01/20/25 Analyzed: 01/28/25

pH	10.6	pH Units	10.7	0.599	20
----	------	----------	------	-------	----

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Civitas - Kiyota 4I-35H-O367

Project Number: 24348
Project Manager: Sam Vogt

Reported:
02/19/25 10:59

Notes and Definitions

- S-02 The surrogate recovery for this sample cannot be accurately quantified due to matrix interference. Matrix interference was verified via reanalysis.
- 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.
- 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