

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

August 19, 2024


Ryan Finley
Entrada Consulting Group
240 Mesa Avenue
Grand Junction., CO 81501

RE: Razor 26 GL

Work Order #2406115

Enclosed are the results of analyses for samples received by Summit Scientific on 06/10/24 08:51. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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

Jacob Wood For Paul Shrewsbury
President



Entrada Consulting Group
240 Mesa Avenue
Grand Junction. CO, 81501

Project: Razor 26 GL
Project Number: [none]
Project Manager: Ryan Finley

Reported:
08/19/24 09:01

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS13@9	2406115-01	Soil	06/06/24 10:10	06/10/24 08:51
SS14@4.5	2406115-02	Soil	06/06/24 10:20	06/10/24 08:51
SS15@3	2406115-03	Soil	06/06/24 10:30	06/10/24 08:51
SS16@4	2406115-04	Soil	06/06/24 10:40	06/10/24 08:51
SS17@4	2406115-05	Soil	06/06/24 10:50	06/10/24 08:51
SS18@4	2406115-06	Soil	06/06/24 11:00	06/10/24 08:51
SS19@4	2406115-07	Soil	06/06/24 11:10	06/10/24 08:51
SS20@3	2406115-08	Soil	06/06/24 11:20	06/10/24 08:51
SS21@6	2406115-09	Soil	06/06/24 11:30	06/10/24 08:51
SS22@6	2406115-10	Soil	06/06/24 11:40	06/10/24 08:51

Case Narrative

Rerun analyses were performed by client request on 6/28/2024.
The rerun results included in this report are denoted with "RE#."

Ryan Finley requested SS20@6 be renamed on 8/16/2024.

Reported 8260 analytes have been corrected on 8/19/2024.

This is a revision of the report originally sent on 6/17/2024 at 13:35 MT.

Summit Scientific

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

Lab ID	Page 1 of 1
240915	

Client: <u>Entrada Consulting Group</u>	Send Data To: Project Manager: <u>Ryan Finley</u>	Send Invoice To: Company: <u>Entrada</u>
Address:	E-Mail: <u>rfinley@entradainc.com</u>	Project Name/Location:
City/State/Zip:	<u>nyourd@entradainc.com</u>	AFE#:
Phone: <u>412-337-5122</u>	Project Name: <u>Razor 26 GL</u>	PO/Billing Codes:
Sampler Name: <u>Nic Kyourd</u>	Project Number:	Contact:

					Preservative				Matrix		Analysis Requested								Special Instructions	
ID	Sample Description	Date Sampled	Time Sampled	# of containers	HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	BTX	Fluorene	9-methyl naphthalene	EC, SAR, pH	Arsenic, Barium	Cadmium	Lead	
1	SS13G9	6/6/24	1010	2			X			X			X	X	X	X	X	X	X	
2	SS14G4.5		1020																	
3	SS15G3		1030																	
4	SS16G3		1040																	
5	SS17G3		1050																	
6	SS18G3		1100																	
7	SS19G3		1110																	
8	SS20G6		1120																	
9	SS21G6		1130																	
10	SS22G6		1140																	
11																				
12																				
13																				
14																				
15																				

Relinquished by: <u>[Signature]</u> Date/Time: <u>6/9/24 1600</u>	Received by: <u>[Signature]</u> Date/Time: <u>6/10/24 0851</u>	TAT Business Days	Field DO	Notes:
		Same Day	Field EC	
Relinquished by: <u>S2</u> Date/Time: <u>6/10/24 0851</u>	Received by: <u>[Signature]</u> Date/Time: <u>6/10/24 0851</u>	1 Day	Field ORP	
		2 Days	Field pH	
Relinquished by: _____ Date/Time: _____	Received by: _____ Date/Time: _____	3 Days	Field Temp.	
Temperature Upon Receipt: <u>12.6</u>	Corrected Temperature: <u>12.6</u>	Standard	Field Turb.	
IR gun #: <u>1</u>		HNO3 lot #: _____		

S₂

Sample Receipt Checklist

S2 Work Order# 2406115Client: EntradaClient Project ID: Razor 26 GLShipped Via: H.D./P.U./FedEx/UPS/USPS/Other ☐Airbill #:

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------	--------------------------	--------------------------

Matrix (Check all that apply)

Air ☐Soil/Solid ☒Water ☐Other ☐

Temp (°C)

6.6

Thermometer #

1

	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"/>	<u>on ice</u>
If custody seals are present, are they intact? ⁽¹⁾	<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 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"/>	
Is a chain-of-custody (COC) form present and filled out Completely? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC? ⁽¹⁾	<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)? ⁽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"/>	
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"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any): 				
⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.				

Custodian Printed Name

Date/Time

Jim V. d6/10/24 8:51



Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: Razor 26 GL
Project Number: [none]
Project Manager: Ryan Finley

Reported:
08/19/24 09:01

SS13@9
2406115-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/06/24 10:10**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	ND	0.0020	mg/kg	1	BHF0329	06/12/24	06/12/24	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	

Date Sampled: **06/06/24 10:10**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4	0.0246	61.6 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0395	98.8 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0395	98.8 %	50-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Date Sampled: **06/06/24 10:10**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Fluorene	ND	0.00500	mg/kg	1	BHF0320	06/12/24	06/12/24	EPA 8270D SIM	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **06/06/24 10:10**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 2-Methylnaphthalene-d10	0.0202	60.5 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0199	59.6 %	40-150		"	"	"	"	

Total Metals by EPA 6020B

Date Sampled: **06/06/24 10:10**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	4.82	0.200	mg/kg dry	1	BHF0335	06/12/24	06/15/24	EPA 6020B	

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Total Metals by EPA 6020B

Barium	233	0.400	mg/kg dry	1	BHF0335	06/12/24	06/15/24	EPA 6020B
Cadmium	0.413	0.200	"	"	"	"	"	"
Lead	6.91	0.200	"	"	"	"	"	"

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

Date Sampled: **06/06/24 10:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	359	0.0500	mg/L dry	1	BHF0346	06/12/24	06/13/24	EPA 6020B	
Magnesium	162	0.0500	"	"	"	"	"	"	
Sodium	1120	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **06/06/24 10:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	12.3	0.00100	units	1	BHF0428	06/14/24	06/14/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/06/24 10:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	82.5		%	1	BHF0308	06/11/24	06/12/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **06/06/24 10:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	9.54	0.0100	mmhos/cm	1	BHF0347	06/12/24	06/13/24	EPA 120.1	

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

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Project Manager: Ryan Finley

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08/19/24 09:01

SS13@9

2406115-01 (Soil)

Summit Scientific

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

Date Sampled: **06/06/24 10:10**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	8.00			pH Units	1	BHF0348	06/12/24	06/13/24	EPA 9045D	

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240 Mesa Avenue
Grand Junction. CO, 81501

Project: Razor 26 GL
Project Number: [none]
Project Manager: Ryan Finley

Reported:
08/19/24 09:01

SS14@4.5
2406115-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/06/24 10:20**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BHF0329	06/12/24	06/12/24	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	

Date Sampled: **06/06/24 10:20**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0413	103 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0388	97.1 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0375	93.8 %	50-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Date Sampled: **06/06/24 10:20**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Fluorene	ND	0.00500	mg/kg	1	BHF0320	06/12/24	06/12/24	EPA 8270D SIM	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **06/06/24 10:20**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10	0.0235	70.4 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0223	67.0 %	40-150		"	"	"	"	

Total Metals by EPA 6020B

Date Sampled: **06/06/24 10:20**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Arsenic	3.94	0.200	mg/kg dry	1	BHF0335	06/12/24	06/15/24	EPA 6020B	
Barium	341	0.400	"	"	"	"	"	"	

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Reported:
08/19/24 09:01

SS14@4.5
2406115-02 (Soil)

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Total Metals by EPA 6020B

Cadmium	0.422	0.200	mg/kg dry	1	BHF0335	06/12/24	06/15/24	EPA 6020B
Lead	13.4	0.200	"	"	"	"	"	"

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

Date Sampled: **06/06/24 10:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	327	0.0500	mg/L dry	1	BHF0346	06/12/24	06/13/24	EPA 6020B	
Magnesium	75.8	0.0500	"	"	"	"	"	"	
Sodium	470	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **06/06/24 10:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	6.09	0.00100	units	1	BHF0428	06/14/24	06/14/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/06/24 10:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	89.6		%	1	BHF0308	06/11/24	06/12/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **06/06/24 10:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	5.93	0.0100	mmhos/cm	1	BHF0347	06/12/24	06/13/24	EPA 120.1	

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

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Entrada Consulting Group
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Project: Razor 26 GL
Project Number: [none]
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08/19/24 09:01

SS14@4.5
2406115-02 (Soil)

Summit Scientific

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

Date Sampled: **06/06/24 10:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	7.93			pH Units	1	BHF0348	06/12/24	06/13/24	EPA 9045D	

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Project Manager: Ryan Finley

Reported:
08/19/24 09:01

SS14@4.5
2406115-02RE1 (Soil)

Summit Scientific

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

Date Sampled: **06/06/24 10:20**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	330	0.0500	mg/L dry	1	BHF0977	06/12/24	07/03/24	EPA 6020B	
Magnesium	62.7	0.0500	"	"	"	"	"	"	
Sodium	435	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **06/06/24 10:20**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	5.75	0.00100	units	1	BHG0109	06/14/24	07/03/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **06/06/24 10:20**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Specific Conductance (EC)	5.04	0.0100	mmhos/cm	1	BHG0031	07/01/24	07/02/24	EPA 120.1	

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240 Mesa Avenue
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Project: Razor 26 GL
Project Number: [none]
Project Manager: Ryan Finley

Reported:
08/19/24 09:01

SS15@3
2406115-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/06/24 10:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BHF0329	06/12/24	06/12/24	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	

Date Sampled: **06/06/24 10:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0414	103 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0387	96.7 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0382	95.4 %	50-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Date Sampled: **06/06/24 10:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Fluorene	ND	0.00500	mg/kg	1	BHF0320	06/12/24	06/12/24	EPA 8270D SIM	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **06/06/24 10:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10	0.0203	60.9 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0203	60.8 %	40-150		"	"	"	"	

Total Metals by EPA 6020B

Date Sampled: **06/06/24 10:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Arsenic	5.17	0.200	mg/kg dry	1	BHF0335	06/12/24	06/15/24	EPA 6020B	
Barium	341	0.400	"	"	"	"	"	"	

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Project: Razor 26 GL
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08/19/24 09:01

SS15@3
2406115-03 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Cadmium	0.440	0.200	mg/kg dry	1	BHF0335	06/12/24	06/15/24	EPA 6020B
Lead	13.0	0.200	"	"	"	"	"	"

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

Date Sampled: **06/06/24 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	72.5	0.0500	mg/L dry	1	BHF0346	06/12/24	06/13/24	EPA 6020B	
Magnesium	14.4	0.0500	"	"	"	"	"	"	
Sodium	275	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **06/06/24 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	7.72	0.00100	units	1	BHF0428	06/14/24	06/14/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/06/24 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	91.1		%	1	BHF0308	06/11/24	06/12/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **06/06/24 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	2.19	0.0100	mmhos/cm	1	BHF0347	06/12/24	06/13/24	EPA 120.1	

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

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240 Mesa Avenue
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Project: Razor 26 GL

Project Number: [none]

Project Manager: Ryan Finley

Reported:

08/19/24 09:01

SS15@3

2406115-03 (Soil)

Summit Scientific

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

Date Sampled: **06/06/24 10:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	8.29			pH Units	1	BHF0348	06/12/24	06/13/24	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.



Entrada Consulting Group
240 Mesa Avenue
Grand Junction. CO, 81501

Project: Razor 26 GL
Project Number: [none]
Project Manager: Ryan Finley

Reported:
08/19/24 09:01

SS15@3
2406115-03RE1 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **06/06/24 10:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	0.754	0.200	mg/kg dry	1	BHG0027	07/01/24	07/02/24	EPA 6020B	

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

Date Sampled: **06/06/24 10:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	73.6	0.0500	mg/L dry	1	BHF0977	06/12/24	07/03/24	EPA 6020B	
Magnesium	5.90	0.0500	"	"	"	"	"	"	
Sodium	184	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **06/06/24 10:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	5.55	0.00100	units	1	BHG0109	06/14/24	07/03/24	Calculation	

Summit Scientific

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction. CO, 81501

Project: Razor 26 GL
Project Number: [none]
Project Manager: Ryan Finley

Reported:
08/19/24 09:01

SS16@4
2406115-04 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/06/24 10:40**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BHF0329	06/12/24	06/12/24	EPA 8260B	
Toluene	0.0059	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	

Date Sampled: **06/06/24 10:40**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0423	106 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0392	98.0 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0383	95.7 %	50-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Date Sampled: **06/06/24 10:40**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Fluorene	ND	0.00500	mg/kg	1	BHF0320	06/12/24	06/12/24	EPA 8270D SIM	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **06/06/24 10:40**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10	0.0227	68.0 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0225	67.6 %	40-150		"	"	"	"	

Total Metals by EPA 6020B

Date Sampled: **06/06/24 10:40**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Arsenic	4.04	0.200	mg/kg dry	1	BHF0335	06/12/24	06/15/24	EPA 6020B	
Barium	273	0.400	"	"	"	"	"	"	

Summit Scientific

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: Razor 26 GL
Project Number: [none]
Project Manager: Ryan Finley

Reported:
08/19/24 09:01

SS16@4
2406115-04 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Cadmium	0.414	0.200	mg/kg dry	1	BHF0335	06/12/24	06/15/24	EPA 6020B
Lead	12.7	0.200	"	"	"	"	"	"

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

Date Sampled: **06/06/24 10:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	35.8	0.0500	mg/L dry	1	BHF0346	06/12/24	06/13/24	EPA 6020B	
Magnesium	6.19	0.0500	"	"	"	"	"	"	
Sodium	175	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **06/06/24 10:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	7.10	0.00100	units	1	BHF0428	06/14/24	06/14/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/06/24 10:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	93.6		%	1	BHF0308	06/11/24	06/12/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **06/06/24 10:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.31	0.0100	mmhos/cm	1	BHF0347	06/12/24	06/13/24	EPA 120.1	

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

Summit Scientific

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction. CO, 81501

Project: Razor 26 GL

Project Number: [none]

Project Manager: Ryan Finley

Reported:

08/19/24 09:01

SS16@4

2406115-04 (Soil)

Summit Scientific

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

Date Sampled: **06/06/24 10:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	8.84			pH Units	1	BHF0348	06/12/24	06/13/24	EPA 9045D	

Summit Scientific

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: Razor 26 GL
Project Number: [none]
Project Manager: Ryan Finley

Reported:
08/19/24 09:01

SS16@4
2406115-04RE1 (Soil)

Summit Scientific

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

Date Sampled: **06/06/24 10:40**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	68.7	0.0500	mg/L dry	1	BHF0977	06/12/24	07/03/24	EPA 6020B	
Magnesium	2.89	0.0500	"	"	"	"	"	"	
Sodium	136	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **06/06/24 10:40**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	4.37	0.00100	units	1	BHG0109	06/14/24	07/03/24	Calculation	

Summit Scientific

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction. CO, 81501

Project: Razor 26 GL
Project Number: [none]
Project Manager: Ryan Finley

Reported:
08/19/24 09:01

SS17@4
2406115-05 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/06/24 10:50**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BHF0329	06/12/24	06/12/24	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	

Date Sampled: **06/06/24 10:50**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0426	106 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0392	98.0 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0400	99.9 %	50-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Date Sampled: **06/06/24 10:50**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Fluorene	ND	0.00500	mg/kg	1	BHF0320	06/12/24	06/12/24	EPA 8270D SIM	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **06/06/24 10:50**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10	0.0227	68.2 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0217	65.0 %	40-150		"	"	"	"	

Total Metals by EPA 6020B

Date Sampled: **06/06/24 10:50**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Arsenic	4.52	0.200	mg/kg dry	1	BHF0335	06/12/24	06/15/24	EPA 6020B	
Barium	264	0.400	"	"	"	"	"	"	

Summit Scientific

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: Razor 26 GL
Project Number: [none]
Project Manager: Ryan Finley

Reported:
08/19/24 09:01

SS17@4
2406115-05 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Cadmium	0.431	0.200	mg/kg dry	1	BHF0335	06/12/24	06/15/24	EPA 6020B
Lead	11.7	0.200	"	"	"	"	"	"

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

Date Sampled: **06/06/24 10:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	93.1	0.0500	mg/L dry	1	BHF0346	06/12/24	06/13/24	EPA 6020B	
Magnesium	7.88	0.0500	"	"	"	"	"	"	
Sodium	195	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **06/06/24 10:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	5.21	0.00100	units	1	BHF0428	06/14/24	06/14/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/06/24 10:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	93.4		%	1	BHF0308	06/11/24	06/12/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **06/06/24 10:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.25	0.0100	mmhos/cm	1	BHF0347	06/12/24	06/13/24	EPA 120.1	

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

Summit Scientific

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction. CO, 81501

Project: Razor 26 GL
Project Number: [none]
Project Manager: Ryan Finley

Reported:
08/19/24 09:01

SS17@4
2406115-05 (Soil)

Summit Scientific

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

Date Sampled: **06/06/24 10:50**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	8.80			pH Units	1	BHF0348	06/12/24	06/13/24	EPA 9045D	

Summit Scientific

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: Razor 26 GL
Project Number: [none]
Project Manager: Ryan Finley

Reported:
08/19/24 09:01

SS17@4
2406115-05RE1 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **06/06/24 10:50**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Arsenic	0.630	0.200		mg/kg dry	1	BHG0027	07/01/24	07/02/24	EPA 6020B	

Summit Scientific

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction. CO, 81501

Project: Razor 26 GL
Project Number: [none]
Project Manager: Ryan Finley

Reported:
08/19/24 09:01

SS18@4
2406115-06 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/06/24 11:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BHF0329	06/12/24	06/12/24	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	

Date Sampled: **06/06/24 11:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0389	97.2 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0390	97.5 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0373	93.2 %	50-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Date Sampled: **06/06/24 11:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Fluorene	ND	0.00500	mg/kg	1	BHF0320	06/12/24	06/12/24	EPA 8270D SIM	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **06/06/24 11:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10	0.0200	60.0 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0203	60.8 %	40-150		"	"	"	"	

Total Metals by EPA 6020B

Date Sampled: **06/06/24 11:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Arsenic	4.49	0.200	mg/kg dry	1	BHF0335	06/12/24	06/15/24	EPA 6020B	
Barium	303	0.400	"	"	"	"	"	"	

Summit Scientific

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: Razor 26 GL
Project Number: [none]
Project Manager: Ryan Finley

Reported:
08/19/24 09:01

SS18@4
2406115-06 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Cadmium	0.439	0.200	mg/kg dry	1	BHF0335	06/12/24	06/15/24	EPA 6020B
Lead	10.6	0.200	"	"	"	"	"	"

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

Date Sampled: **06/06/24 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	180	0.0500	mg/L dry	1	BHF0346	06/12/24	06/13/24	EPA 6020B	
Magnesium	7.11	0.0500	"	"	"	"	"	"	
Sodium	83.5	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **06/06/24 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.66	0.00100	units	1	BHF0428	06/14/24	06/14/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/06/24 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	92.0		%	1	BHF0308	06/11/24	06/12/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **06/06/24 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.520	0.0100	mmhos/cm	1	BHF0347	06/12/24	06/13/24	EPA 120.1	

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

Summit Scientific

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction. CO, 81501

Project: Razor 26 GL
Project Number: [none]
Project Manager: Ryan Finley

Reported:
08/19/24 09:01

SS18@4
2406115-06 (Soil)

Summit Scientific

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

Date Sampled: **06/06/24 11:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	8.96			pH Units	1	BHF0348	06/12/24	06/13/24	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.



Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: Razor 26 GL
Project Number: [none]
Project Manager: Ryan Finley

Reported:
08/19/24 09:01

SS18@4
2406115-06RE1 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **06/06/24 11:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Arsenic	0.599	0.200		mg/kg dry	1	BHG0027	07/01/24	07/02/24	EPA 6020B	

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.



Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: Razor 26 GL
Project Number: [none]
Project Manager: Ryan Finley

Reported:
08/19/24 09:01

SS19@4
2406115-07 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/06/24 11:10**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BHF0329	06/12/24	06/13/24	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	

Date Sampled: **06/06/24 11:10**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0404	101 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0382	95.5 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0374	93.6 %	50-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Date Sampled: **06/06/24 11:10**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Fluorene	ND	0.00500	mg/kg	1	BHF0320	06/12/24	06/13/24	EPA 8270D SIM	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **06/06/24 11:10**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10	0.0178	53.5 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0188	56.3 %	40-150		"	"	"	"	

Total Metals by EPA 6020B

Date Sampled: **06/06/24 11:10**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Arsenic	4.41	0.200	mg/kg dry	1	BHF0335	06/12/24	06/15/24	EPA 6020B	
Barium	328	0.400	"	"	"	"	"	"	

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.



Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: Razor 26 GL
Project Number: [none]
Project Manager: Ryan Finley

Reported:
08/19/24 09:01

SS19@4
2406115-07 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Cadmium	0.451	0.200	mg/kg dry	1	BHF0335	06/12/24	06/15/24	EPA 6020B
Lead	14.5	0.200	"	"	"	"	"	"

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

Date Sampled: **06/06/24 11:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	110	0.0500	mg/L dry	1	BHF0346	06/12/24	06/13/24	EPA 6020B	
Magnesium	5.99	0.0500	"	"	"	"	"	"	
Sodium	129	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **06/06/24 11:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	3.24	0.00100	units	1	BHF0428	06/14/24	06/14/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/06/24 11:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	90.3		%	1	BHF0308	06/11/24	06/12/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **06/06/24 11:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.825	0.0100	mmhos/cm	1	BHF0347	06/12/24	06/13/24	EPA 120.1	

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

Summit Scientific

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction. CO, 81501

Project: Razor 26 GL

Project Number: [none]

Project Manager: Ryan Finley

Reported:

08/19/24 09:01

SS19@4

2406115-07 (Soil)

Summit Scientific

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

Date Sampled: **06/06/24 11:10**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	9.08			pH Units	1	BHF0348	06/12/24	06/13/24	EPA 9045D	

Summit Scientific

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction. CO, 81501

Project: Razor 26 GL
Project Number: [none]
Project Manager: Ryan Finley

Reported:
08/19/24 09:01

SS19@4
2406115-07RE1 (Soil)

Summit Scientific

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

Date Sampled: **06/06/24 11:10**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	8.63			pH Units	1	BHG0035	06/12/24	07/02/24	EPA 9045D	

Summit Scientific

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction. CO, 81501

Project: Razor 26 GL
Project Number: [none]
Project Manager: Ryan Finley

Reported:
08/19/24 09:01

SS20@3
2406115-08 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/06/24 11:20**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BHF0329	06/12/24	06/13/24	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	

Date Sampled: **06/06/24 11:20**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0405	101 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0381	95.2 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0368	92.0 %	50-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Date Sampled: **06/06/24 11:20**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Fluorene	ND	0.00500	mg/kg	1	BHF0320	06/12/24	06/13/24	EPA 8270D SIM	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **06/06/24 11:20**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10	0.0177	53.2 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0173	51.9 %	40-150		"	"	"	"	

Total Metals by EPA 6020B

Date Sampled: **06/06/24 11:20**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Arsenic	5.61	0.200	mg/kg dry	1	BHF0335	06/12/24	06/15/24	EPA 6020B	
Barium	297	0.400	"	"	"	"	"	"	

Summit Scientific

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: Razor 26 GL
Project Number: [none]
Project Manager: Ryan Finley

Reported:
08/19/24 09:01

SS20@3
2406115-08 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Cadmium	0.401	0.200	mg/kg dry	1	BHF0335	06/12/24	06/15/24	EPA 6020B
Lead	10.8	0.200	"	"	"	"	"	"

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

Date Sampled: **06/06/24 11:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	66.9	0.0500	mg/L dry	1	BHF0346	06/12/24	06/13/24	EPA 6020B	
Magnesium	7.15	0.0500	"	"	"	"	"	"	
Sodium	166	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **06/06/24 11:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	5.15	0.00100	units	1	BHF0428	06/14/24	06/14/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/06/24 11:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	85.3		%	1	BHF0308	06/11/24	06/12/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **06/06/24 11:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.08	0.0100	mmhos/cm	1	BHF0347	06/12/24	06/13/24	EPA 120.1	

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

Summit Scientific

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction. CO, 81501

Project: Razor 26 GL

Project Number: [none]

Project Manager: Ryan Finley

Reported:

08/19/24 09:01

SS20@3

2406115-08 (Soil)

Summit Scientific

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

Date Sampled: **06/06/24 11:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	8.82			pH Units	1	BHF0348	06/12/24	06/13/24	EPA 9045D	

Summit Scientific

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: Razor 26 GL
Project Number: [none]
Project Manager: Ryan Finley

Reported:
08/19/24 09:01

SS20@3
2406115-08RE1 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **06/06/24 11:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Arsenic	0.974	0.200		mg/kg dry	1	BHG0027	07/01/24	07/02/24	EPA 6020B	

Summit Scientific

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction. CO, 81501

Project: Razor 26 GL
Project Number: [none]
Project Manager: Ryan Finley

Reported:
08/19/24 09:01

SS21@6
2406115-09 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/06/24 11:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BHF0329	06/12/24	06/13/24	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	

Date Sampled: **06/06/24 11:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0427	107 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0384	96.0 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0373	93.3 %	50-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Date Sampled: **06/06/24 11:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Fluorene	ND	0.00500	mg/kg	1	BHF0320	06/12/24	06/13/24	EPA 8270D SIM	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **06/06/24 11:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10	0.0235	70.6 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0227	68.0 %	40-150		"	"	"	"	

Total Metals by EPA 6020B

Date Sampled: **06/06/24 11:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Arsenic	8.08	0.200	mg/kg dry	1	BHF0335	06/12/24	06/15/24	EPA 6020B	
Barium	280	0.400	"	"	"	"	"	"	

Summit Scientific

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: Razor 26 GL
Project Number: [none]
Project Manager: Ryan Finley

Reported:
08/19/24 09:01

SS21@6
2406115-09 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Cadmium	0.462	0.200	mg/kg dry	1	BHF0335	06/12/24	06/15/24	EPA 6020B
Lead	10.1	0.200	"	"	"	"	"	"

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

Date Sampled: **06/06/24 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	47.2	0.0500	mg/L dry	1	BHF0346	06/12/24	06/13/24	EPA 6020B	
Magnesium	6.88	0.0500	"	"	"	"	"	"	
Sodium	229	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **06/06/24 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	8.24	0.00100	units	1	BHF0428	06/14/24	06/14/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/06/24 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	91.8		%	1	BHF0308	06/11/24	06/12/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **06/06/24 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.41	0.0100	mmhos/cm	1	BHF0347	06/12/24	06/13/24	EPA 120.1	

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

Summit Scientific

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction. CO, 81501

Project: Razor 26 GL

Project Number: [none]

Project Manager: Ryan Finley

Reported:

08/19/24 09:01

SS21@6

2406115-09 (Soil)

Summit Scientific

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

Date Sampled: **06/06/24 11:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	8.84			pH Units	1	BHF0348	06/12/24	06/13/24	EPA 9045D	

Summit Scientific

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: Razor 26 GL
Project Number: [none]
Project Manager: Ryan Finley

Reported:
08/19/24 09:01

SS22@6
2406115-10 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/06/24 11:40**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BHF0329	06/12/24	06/13/24	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	

Date Sampled: **06/06/24 11:40**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0421	105 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0389	97.4 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0375	93.8 %	50-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Date Sampled: **06/06/24 11:40**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Fluorene	ND	0.00500	mg/kg	1	BHF0320	06/12/24	06/13/24	EPA 8270D SIM	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **06/06/24 11:40**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10	0.0184	55.2 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0188	56.5 %	40-150		"	"	"	"	

Total Metals by EPA 6020B

Date Sampled: **06/06/24 11:40**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Arsenic	4.49	0.200	mg/kg dry	1	BHF0335	06/12/24	06/15/24	EPA 6020B	
Barium	302	0.400	"	"	"	"	"	"	

Summit Scientific

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: Razor 26 GL
Project Number: [none]
Project Manager: Ryan Finley

Reported:
08/19/24 09:01

SS22@6
2406115-10 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Cadmium	0.494	0.200	mg/kg dry	1	BHF0335	06/12/24	06/15/24	EPA 6020B
Lead	16.0	0.200	"	"	"	"	"	"

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

Date Sampled: **06/06/24 11:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	65.5	0.0500	mg/L dry	1	BHF0346	06/12/24	06/13/24	EPA 6020B	
Magnesium	9.68	0.0500	"	"	"	"	"	"	
Sodium	87.0	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **06/06/24 11:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	2.65	0.00100	units	1	BHF0428	06/14/24	06/14/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **06/06/24 11:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	90.4		%	1	BHF0308	06/11/24	06/12/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **06/06/24 11:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.923	0.0100	mmhos/cm	1	BHF0347	06/12/24	06/13/24	EPA 120.1	

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

Summit Scientific

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction. CO, 81501

Project: Razor 26 GL
Project Number: [none]
Project Manager: Ryan Finley

Reported:
08/19/24 09:01

SS22@6
2406115-10 (Soil)

Summit Scientific

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

Date Sampled: **06/06/24 11:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	7.47			pH Units	1	BHF0348	06/12/24	06/13/24	EPA 9045D	

Summit Scientific

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: Razor 26 GL
Project Number: [none]
Project Manager: Ryan Finley

Reported:
08/19/24 09:01

SS22@6
2406115-10RE1 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **06/06/24 11:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Arsenic	0.643	0.200		mg/kg dry	1	BHG0027	07/01/24	07/02/24	EPA 6020B	

Summit Scientific

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: Razor 26 GL
Project Number: [none]
Project Manager: Ryan Finley

Reported:
08/19/24 09:01

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BHF0329 - EPA 5030 Soil MS

Blank (BHF0329-BLK1)

Prepared & Analyzed: 06/12/24

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
Surrogate: 1,2-Dichloroethane-d4	0.0396		"	0.0400		99.0	50-150			
Surrogate: Toluene-d8	0.0387		"	0.0400		96.7	50-150			
Surrogate: 4-Bromofluorobenzene	0.0372		"	0.0400		92.9	50-150			

LCS (BHF0329-BS1)

Prepared & Analyzed: 06/12/24

Benzene	0.112	0.0020	mg/kg	0.100		112	70-130			
Toluene	0.123	0.0050	"	0.100		123	70-130			
Ethylbenzene	0.124	0.0050	"	0.100		124	70-130			
m,p-Xylene	0.242	0.010	"	0.200		121	70-130			
o-Xylene	0.123	0.0050	"	0.100		123	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0378		"	0.0400		94.6	50-150			
Surrogate: Toluene-d8	0.0387		"	0.0400		96.8	50-150			
Surrogate: 4-Bromofluorobenzene	0.0386		"	0.0400		96.6	50-150			

Matrix Spike (BHF0329-MS1)

Source: 2406115-01

Prepared & Analyzed: 06/12/24

Benzene	0.106	0.0020	mg/kg	0.100	ND	106	70-130			
Toluene	0.116	0.0050	"	0.100	ND	116	70-130			
Ethylbenzene	0.118	0.0050	"	0.100	ND	118	70-130			
m,p-Xylene	0.228	0.010	"	0.200	ND	114	70-130			
o-Xylene	0.119	0.0050	"	0.100	ND	119	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0395		"	0.0400		98.7	50-150			
Surrogate: Toluene-d8	0.0384		"	0.0400		95.9	50-150			
Surrogate: 4-Bromofluorobenzene	0.0383		"	0.0400		95.8	50-150			

Summit Scientific

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction. CO, 81501

Project: Razor 26 GL
Project Number: [none]
Project Manager: Ryan Finley

Reported:
08/19/24 09:01

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

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

Batch BHF0329 - EPA 5030 Soil MS

Matrix Spike Dup (BHF0329-MSD1)	Source: 2406115-01			Prepared & Analyzed: 06/12/24						
Benzene	0.114	0.0020	mg/kg	0.100	ND	114	70-130	7.13	30	
Toluene	0.125	0.0050	"	0.100	ND	125	70-130	7.12	30	
Ethylbenzene	0.125	0.0050	"	0.100	ND	125	70-130	6.18	30	
m,p-Xylene	0.237	0.010	"	0.200	ND	119	70-130	4.14	30	
o-Xylene	0.125	0.0050	"	0.100	ND	125	70-130	4.93	30	
Surrogate: 1,2-Dichloroethane-d4	0.0392		"	0.0400		98.0	50-150			
Surrogate: Toluene-d8	0.0394		"	0.0400		98.6	50-150			
Surrogate: 4-Bromofluorobenzene	0.0387		"	0.0400		96.8	50-150			

Summit Scientific

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: Razor 26 GL
Project Number: [none]
Project Manager: Ryan Finley

Reported:
08/19/24 09:01

PAH by EPA Method 8270D SIM - Quality Control
Summit Scientific

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

Batch BHF0320 - EPA 5030 Soil MS

Blank (BHF0320-BLK1)

Prepared & Analyzed: 06/12/24

Fluorene	ND	0.00500	mg/kg							
1-Methylnaphthalene	ND	0.00500	"							
Surrogate: 2-Methylnaphthalene-d10	0.0320		"	0.0333		96.0	40-150			
Surrogate: Fluoranthene-d10	0.0295		"	0.0333		88.4	40-150			

LCS (BHF0320-BS1)

Prepared & Analyzed: 06/12/24

Fluorene	0.0286	0.00500	mg/kg	0.0333		85.9	30-120			
1-Methylnaphthalene	0.0288	0.00500	"	0.0333		86.3	35-142			
Surrogate: 2-Methylnaphthalene-d10	0.0306		"	0.0333		91.8	40-150			
Surrogate: Fluoranthene-d10	0.0284		"	0.0333		85.3	40-150			

Matrix Spike (BHF0320-MS1)

Source: 2406115-01

Prepared & Analyzed: 06/12/24

Fluorene	0.0182	0.00500	mg/kg	0.0333	ND	54.5	30-120			
1-Methylnaphthalene	0.0188	0.00500	"	0.0333	ND	56.5	15-130			
Surrogate: 2-Methylnaphthalene-d10	0.0200		"	0.0333		60.0	40-150			
Surrogate: Fluoranthene-d10	0.0196		"	0.0333		58.7	40-150			

Matrix Spike Dup (BHF0320-MSD1)

Source: 2406115-01

Prepared & Analyzed: 06/12/24

Fluorene	0.0189	0.00500	mg/kg	0.0333	ND	56.7	30-120	3.98	30	
1-Methylnaphthalene	0.0183	0.00500	"	0.0333	ND	54.9	15-130	2.80	50	
Surrogate: 2-Methylnaphthalene-d10	0.0194		"	0.0333		58.2	40-150			
Surrogate: Fluoranthene-d10	0.0200		"	0.0333		60.0	40-150			

Summit Scientific

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: Razor 26 GL
Project Number: [none]
Project Manager: Ryan Finley

Reported:
08/19/24 09:01

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BHF0335 - EPA 3050B

Blank (BHF0335-BLK1)

Prepared: 06/12/24 Analyzed: 06/15/24

Arsenic	ND	0.200	mg/kg wet
Barium	ND	0.400	"
Cadmium	ND	0.200	"
Lead	ND	0.200	"

LCS (BHF0335-BS1)

Prepared: 06/12/24 Analyzed: 06/15/24

Arsenic	36.6	0.200	mg/kg wet	40.0	91.5	80-120
Barium	39.1	0.400	"	40.0	97.8	80-120
Cadmium	1.94	0.200	"	2.00	96.8	80-120
Lead	19.9	0.200	"	20.0	99.4	80-120

Duplicate (BHF0335-DUP1)

Source: 2406115-01

Prepared: 06/12/24 Analyzed: 06/15/24

Arsenic	4.80	0.200	mg/kg dry	4.82	0.376	20
Barium	231	0.400	"	233	0.661	20
Cadmium	0.438	0.200	"	0.413	5.94	20
Lead	7.01	0.200	"	6.91	1.35	20

Matrix Spike (BHF0335-MS1)

Source: 2406115-01

Prepared: 06/12/24 Analyzed: 06/15/24

Arsenic	49.1	0.200	mg/kg dry	47.0	4.82	94.2	75-125
Barium	248	0.400	"	47.0	233	31.7	75-125
Cadmium	2.83	0.200	"	2.35	0.413	103	75-125
Lead	27.4	0.200	"	23.5	6.91	87.1	75-125

QM-07

Matrix Spike Dup (BHF0335-MSD1)

Source: 2406115-01

Prepared: 06/12/24 Analyzed: 06/15/24

Arsenic	48.4	0.200	mg/kg dry	47.4	4.82	92.0	75-125	1.49	25
Barium	270	0.400	"	47.4	233	78.4	75-125	8.59	25
Cadmium	2.70	0.200	"	2.37	0.413	96.8	75-125	4.37	25
Lead	27.3	0.200	"	23.7	6.91	86.2	75-125	0.248	25

Summit Scientific

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: Razor 26 GL
Project Number: [none]
Project Manager: Ryan Finley

Reported:
08/19/24 09:01

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BHF0335 - EPA 3050B

Post Spike (BHF0335-PS1)		Source: 2406115-01		Prepared: 06/12/24 Analyzed: 06/15/24						
Arsenic	113		ug/l	100	10.3	102	75-125			
Barium	597		"	100	500	97.4	75-125			
Cadmium	6.13		"	5.00	0.885	105	75-125			
Lead	60.6		"	50.0	14.8	91.6	75-125			

Batch BHG0027 - EPA 3050B

Blank (BHG0027-BLK1)		Prepared: 07/01/24 Analyzed: 07/02/24								
Arsenic	ND	0.200	mg/kg wet							
Barium	ND	0.400	"							
Cadmium	ND	0.200	"							
Lead	ND	0.200	"							

LCS (BHG0027-BS1)		Prepared: 07/01/24 Analyzed: 07/02/24								
Arsenic	40.4	0.200	mg/kg wet	40.0		101	80-120			
Barium	38.2	0.400	"	40.0		95.6	80-120			
Cadmium	1.90	0.200	"	2.00		95.2	80-120			
Lead	19.8	0.200	"	20.0		99.2	80-120			

Duplicate (BHG0027-DUP1)		Source: 2404075-01RE1		Prepared: 07/01/24 Analyzed: 07/02/24						
Arsenic	0.681	0.200	mg/kg wet		0.767			11.8	20	
Barium	10.6	0.400	"		8.40			22.8	20	QR-04
Cadmium	0.147	0.200	"		0.133			10.1	20	
Lead	10.6	0.200	"		10.1			4.87	20	

Matrix Spike (BHG0027-MS1)		Source: 2404075-01RE1		Prepared: 07/01/24 Analyzed: 07/02/24						
Arsenic	5.87	0.200	mg/kg wet	37.0	0.767	13.8	75-125			QM-05
Barium	24.3	0.400	"	37.0	8.40	43.0	75-125			QM-05
Cadmium	1.87	0.200	"	1.85	0.133	93.8	75-125			
Lead	24.7	0.200	"	18.5	10.1	79.2	75-125			

Summit Scientific

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: Razor 26 GL
Project Number: [none]
Project Manager: Ryan Finley

Reported:
08/19/24 09:01

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BHG0027 - EPA 3050B

Matrix Spike Dup (BHG0027-MSD1)		Source: 2404075-01RE1			Prepared: 07/01/24 Analyzed: 07/02/24					
Arsenic	5.61	0.180	mg/kg wet	36.0	0.767	13.5	75-125	4.52	25	QM-05
Barium	12.6	0.360	"	36.0	8.40	11.7	75-125	63.5	25	QM-05
Cadmium	1.76	0.180	"	1.80	0.133	90.7	75-125	5.87	25	
Lead	22.8	0.180	"	18.0	10.1	70.6	75-125	8.30	25	QM-07

Summit Scientific

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: Razor 26 GL
Project Number: [none]
Project Manager: Ryan Finley

Reported:
08/19/24 09:01

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

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

Batch BHF0346 - General Preparation

Blank (BHF0346-BLK1)

Prepared: 06/12/24 Analyzed: 06/13/24

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

LCS (BHF0346-BS1)

Prepared: 06/12/24 Analyzed: 06/13/24

Calcium	5.76	0.0500	mg/L wet	5.00	115	70-130
Magnesium	5.38	0.0500	"	5.00	108	70-130
Sodium	5.36	0.0500	"	5.00	107	70-130

Batch BHF0977 - General Preparation

Blank (BHF0977-BLK1)

Prepared: 06/28/24 Analyzed: 07/03/24

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

LCS (BHF0977-BS1)

Prepared: 06/28/24 Analyzed: 07/03/24

Calcium	5.08	0.0500	mg/L wet	5.00	102	70-130
Magnesium	5.13	0.0500	"	5.00	103	70-130
Sodium	4.98	0.0500	"	5.00	99.6	70-130

Summit Scientific

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction. CO, 81501

Project: Razor 26 GL

Project Number: [none]

Project Manager: Ryan Finley

Reported:

08/19/24 09:01

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

Summit Scientific

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

Batch BHF0308 - General Preparation

Duplicate (BHF0308-DUP2)		Source: 2406113-01			Prepared: 06/11/24 Analyzed: 06/12/24					
% Solids	87.8		%		87.1			0.868	20	

Summit Scientific

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction. CO, 81501

Project: Razor 26 GL
Project Number: [none]
Project Manager: Ryan Finley

Reported:
08/19/24 09:01

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

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

Batch BHF0347 - General Preparation

Blank (BHF0347-BLK1)

Prepared: 06/12/24 Analyzed: 06/13/24

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BHF0347-BS1)

Prepared: 06/12/24 Analyzed: 06/13/24

Specific Conductance (EC) 0.154 0.0100 mmhos/cm 0.150 103 95-105

Duplicate (BHF0347-DUP1)

Source: 2406103-01

Prepared: 06/12/24 Analyzed: 06/13/24

Specific Conductance (EC) 0.165 0.0100 mmhos/cm 0.166 0.422 20

Batch BHG0031 - General Preparation

Blank (BHG0031-BLK1)

Prepared: 07/01/24 Analyzed: 07/02/24

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BHG0031-BS1)

Prepared: 07/01/24 Analyzed: 07/02/24

Specific Conductance (EC) 0.155 0.0100 mmhos/cm 0.150 103 95-105

Duplicate (BHG0031-DUP1)

Source: 2406115-02RE1

Prepared: 07/01/24 Analyzed: 07/02/24

Specific Conductance (EC) 5.02 0.0100 mmhos/cm 5.04 0.358 20

Summit Scientific

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: Razor 26 GL
Project Number: [none]
Project Manager: Ryan Finley

Reported:
08/19/24 09:01

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

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

Batch BHF0348 - General Preparation

LCS (BHF0348-BS1)

Prepared: 06/12/24 Analyzed: 06/13/24

pH	9.15		pH Units	9.18		99.7	95-105		
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Duplicate (BHF0348-DUP1)

Source: 2406103-01

Prepared: 06/12/24 Analyzed: 06/13/24

pH	9.06		pH Units		9.11			0.550	20
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Batch BHG0035 - General Preparation

LCS (BHG0035-BS1)

Prepared: 07/01/24 Analyzed: 07/02/24

pH	9.24		pH Units	9.18		101	95-105		
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Duplicate (BHG0035-DUP1)

Source: 2404199-10RE1

Prepared: 07/01/24 Analyzed: 07/02/24

pH	8.70		pH Units		8.71			0.115	20
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Summit Scientific

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Entrada Consulting Group
240 Mesa Avenue
Grand Junction. CO, 81501

Project: Razor 26 GL
Project Number: [none]
Project Manager: Ryan Finley

Reported:
08/19/24 09:01

Notes and Definitions

QR-04	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS/LCSD recovery.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The associated LCS and/or LCSD were within acceptance limits, therefore the data are considered valid.
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