



September 30, 2021

**Entrada Consulting Group**

**Ben Baugh**

**330 Grand Ave. Unit C**

**Grand Junction CO 81501**

**Project Name - Kielian 2-2**

**Project Number - [none]**

Attached are your analytical results for Kielian 2-2 received by Origins Laboratory, Inc. September 21, 2021. This project is associated with Origins project number Y109407-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.  
303.433.1322  
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Ben Baugh

Project Number: [none]

Project: Kielian 2-2

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS4-2	Y109407-01	Soil	September 20, 2021 13:40	09/21/2021 12:30

Origins Laboratory, Inc.

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# ORIGINS LABORATORY, INC

Entrada Consulting Group  
 330 Grand Ave. Unit C  
 Grand Junction CO 81501

Ben Baugh  
 Project Number: [none]  
 Project: Kielian 2-2

# ORIGINS LABORATORY, INC

Bill To JOHN DAVIDSON AT GREAT WESTERN DRUMMING  
 1/01/2025  
 Page 1 of 1


Client: ENTRADA CONSULTING  
 Address: [Redacted]  
 Telephone Number: 435-630-4748  
 Email Address: BAUGH@ENTRADA.LAB.COM  
 Project Manager: BEN BAUGH  
 Project Name: KIELIAN 2-2 WH  
 Project Number: [Redacted]  
 Samples Collected By: JEREMY PIKE

SPINE@ENTRADA.LAB.COM, DAVIDSON@GLWP.COM

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions
				Unpreserved	HCl	HNO <sub>3</sub>	Groundwater	Soil	Air Suspended Particulate	Other		
554-2	9/20/21	1340	2	X				X			SAR	1
555-2	9/20/21	1345	1								H&P	2
556-2	9/20/21	1350	1								Hold	3
557-2	9/20/21	1355	1								Hold	4
												5
												6
												7
												8
												9
												10

Requisitioned By: [Signature]  
 Date: 9/21/21  
 Time: 12:30  
 Received By: [Signature]  
 Date: 9/21/21  
 Time: 12:30  
 Turnaround Time: Same Day / 24 Hr / 48 Hr / 72 Hr / Standard

Date Results Needed: 8-6

Origins Laboratory, Inc.  
  
 Jordan A. Merrill For Jen Pellegrini, Project Manager

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330 Grand Ave. Unit C  
Grand Junction CO 81501

Ben Baugh  
Project Number: [none]  
Project: Kielian 2-2

Origins Laboratory

F-012207-01-R1  
Effective Date: 01/09/12

### Sample Receipt Checklist

Origins Work Order: Y109407 Client: Entrada  
 Checklist Completed by: SG Client Project ID: Kielian 2-2  
 Date/time completed: 9/21/21 Shipped Via: HS  
 Matrix(es) Received: (Check all that apply)  Soil/Solid  Water  Other: \_\_\_\_\_  
 Cooler Number/Temperature: 1 18.6 c / \_\_\_\_\_ °C / \_\_\_\_\_ °C (Describe)  
 Thermometer ID: 1003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C <sup>(1)</sup> ?		<input checked="" type="checkbox"/>		
Is there ice present (document if blue ice is used)		<input checked="" type="checkbox"/>		
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Were all samples received intact <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
For volatiles in water - is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input checked="" type="checkbox"/>			
Are samples preserved that require preservation and was it checked <sup>(1)</sup> ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity (pH < 3 for samples preserved with HNO3, HCL, H2SO4) / ( pH > 10 for samples preserved with NaAsO2+NaOH, ZnAc+NaOH)		<input checked="" type="checkbox"/>		
Additional Comments (if any):				

<sup>(1)</sup> If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) MB

Date/Time Reviewed 9-20-21

Origins Laboratory, Inc.



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Jordan A. Merrill For Jen Pellegrini, Project Manager

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Ben Baugh  
 Project Number: [none]  
 Project: Kielian 2-2

**SS4-2**

**9/20/2021 1:40:00PM**

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y109407-01 (Soil)**

**Metals by Saturated Paste**

Calcium	3.61	0.499	meq/L	10	[CALC]	KAP	09/23/2021	09/24/2021	
Magnesium	3.09	0.823	"	"	"	KAP	"	"	
Sodium	3.65	0.435	"	"	"	KAP	"	"	

**SAR by 20B Saturated Paste**

SAR	1.99		SAR	1	B112318	KAP	"	"	
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Origins Laboratory, Inc.



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Project Number: [none]

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

- ND Analyte NOT DETECTED at or above the reporting limit
  - RPD Relative Percent Difference
- All soil results are reported at a wet weight basis.

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