



May 20, 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. May 17, 2021. This project is associated with Origins project number Y105306-01.

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

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Ben Baugh

Project Number: [none]

Project: Kielian 2-2

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BG1-1	Y105306-01	Soil	May 17, 2021 11:45	05/17/2021 12:45

Origins Laboratory, Inc.

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.

Jordan A. Merrill For Jen Pellegrini, Project Manager

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 Sample Receipt Checklist F-012207-01-R1
Effective Date: 01/09/12

Origins Work Order: Y105306 Client: Entrada
Client Project ID: Kielian 2-2
Checklist Completed by: KDK Shipped Via: HD
Date/time completed: 05-17-21 Airbill #: NA
Matrix(s) Received: (Check all that apply) Soil/Solid Water Other: _____
Cooler Number/Temperature: 1, 108 °C _____ °C _____ °C (Describe) _____ °C
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? ⁽¹⁾		<input checked="" type="checkbox"/>		Same Day
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? ⁽¹⁾	<input checked="" type="checkbox"/>			
Was adequate sample volume provided? ⁽¹⁾	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present? ⁽¹⁾	<input checked="" type="checkbox"/>			
Is a chain-of-custody (COC) present and filled out completely? ⁽¹⁾	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received? ⁽¹⁾	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC? ⁽¹⁾	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded? ⁽¹⁾	<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 ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity/pH <math>< 2</math> for samples preserved with HNO ₃ , HCl, H ₂ SO ₄) / (pH > 10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input checked="" type="checkbox"/>			
Additional Comments (if any):				

⁽¹⁾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: JM (Project Manager) Date/Time Reviewed: 5-18-21

Origins Laboratory, Inc.


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

BG1-1


5/17/2021 11:45:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y105306-01 (Soil)

Total Metals by 6020B

Arsenic	2.42	0.25	mg/Kg	5	L553796		05/18/2021	05/19/2021	
Barium	232	0.25	"	"	"	"	"	"	"

Origins Laboratory, Inc.


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

Total Metals by 6020B - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L553796 - 3050B

MSD (L 96408-MSD-L553796)

Source: 96408

Prepared: 05/18/2021 Analyzed: 05/19/2021

Barium	176	0.042	mg/Kg	4.67	188	NR	75-125	1.1	80	*
Arsenic	4.15	0.0855	"	2.33	2.68	63	75-125	0	80	*

MS (L 96408-MS-L553796)

Source: 96408

Prepared: 05/18/2021 Analyzed: 05/19/2021

Barium	174	0.042	mg/Kg	4.78	188	NR	75-125			*
Arsenic	4.15	0.0855	"	2.39	2.68	62	75-125			*

LCS (LCS-L553796)

Prepared: 05/18/2021 Analyzed: 05/19/2021

Barium	4.89	0.042	mg/Kg	5		98	80-120			
Arsenic	2.21	0.0855	"	2.5		88	80-120			

LRB (LRB-L553796)

Prepared: 05/18/2021 Analyzed: 05/19/2021

Barium	ND	0.25	mg/Kg				-			
Arsenic	ND	0.25	"				-			

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Notes and Definitions

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

Origins Laboratory, Inc.

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