



June 15, 2021

Entrada Consulting Group

Ben Baugh

330 Grand Ave. Unit C

Grand Junction CO 81501

Project Name - Kielian 2-2 WH

Project Number - 021-060

Attached are your analytical results for Kielian 2-2 WH received by Origins Laboratory, Inc. June 08, 2021. This project is associated with Origins project number Y106184-01.

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: 021-060

Project: Kielian 2-2 WH

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GW01	Y106184-01	Water	June 7, 2021 8:40	06/08/2021 15:50

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: 021-060
Project: Kielian 2-2 WH

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: Y1006184

Client: Entrada
Client Project ID: Kielian 2-2

Checklist Completed by: Jm

Shipped Via: HQ
(RIS, EMS, Hand Delivered, Pick-up, etc.)

Date/time completed: 6-9-21

Airbill #: WDA

Matrix(s) Received: (Check all that apply) Soil/Solid Water Other:

Cooler Number/Temperature: 1 B.W.C / 1 °C / 1 °C (Describe) °C

Thermometer ID: T603

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?		X		
Is there ice present (document if blue ice is used)	X			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		X		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		X		
Were all samples received intact ⁽¹⁾ ?	X			
Was adequate sample volume provided ⁽¹⁾ ?	X			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		X		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	X			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	X			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	X			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	X			
For volatiles in water - is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.		X		
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) ⁽¹⁾ (preservation is not confirmed for subcontracted analyses in order to insure sample integrity) (pH < 2 for samples preserved with HNO3, HCL, H2SO4) / (pH > 10 for samples preserved with NaAsO2+NaOH, ZnAc+NaOH)	X			HCl
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 (Project Manager): Jm

Date/Time Reviewed: 6-10-21

Origins Laboratory, Inc.



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Jordan A. Merrill For Jen Pellegrini, Project Manager

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

Ben Baugh
 Project Number: 021-060
 Project: Kielian 2-2 WH

GW01

6/7/2021 8:40:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y106184-01 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	1.00	ug/L	1	B1F0802	KDK	06/08/2021	06/10/2021	U
1,3,5-Trimethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Benzene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Naphthalene	ND	4.00	"	"	"	KDK	"	"	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	105 %	70-130	"	"	"	"	"	"	"
Surrogate: Toluene-d8	105 %	70-130	"	"	"	"	"	"	"
Surrogate: 4-Bromofluorobenzene	104 %	70-130	"	"	"	"	"	"	"

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

Ben Baugh
 Project Number: 021-060
 Project: Kielian 2-2 WH

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B1F0802 - EPA 5030B (Water)

Blank (B1F0802-BLK1)

Prepared: 06/08/2021 Analyzed: 06/08/2021

1,2,4-Trimethylbenzene	ND	1.00	ug/L							U
1,3,5-Trimethylbenzene	ND	1.00	"							U
Benzene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Naphthalene	ND	4.00	"							U
Toluene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	72		"	62.5		115	70-130			
Surrogate: Toluene-d8	61		"	62.5		98.1	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		100	70-130			

Origins Laboratory, Inc.

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Jordan A. Merrill For Jen Pellegrini, Project Manager

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 Grand Junction CO 81501

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Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B1F0802 - EPA 5030B (Water)

LCS (B1F0802-BS1)

Prepared: 06/08/2021 Analyzed: 06/08/2021

1,2,4-Trimethylbenzene	47.7	1.00	ug/L	50.0	95.5	70-130				
1,3,5-Trimethylbenzene	48.9	1.00	"	50.0	97.7	70-130				
Benzene	46.5	1.00	"	50.0	93.1	70-130				
Ethylbenzene	48.8	1.00	"	50.0	97.6	70-130				
m,p-Xylene	93.9	2.00	"	100	93.9	70-130				
Naphthalene	48.3	4.00	"	50.0	96.6	70-130				
o-Xylene	43.6	1.00	"	50.0	87.3	70-130				
Toluene	46.4	1.00	"	50.0	92.8	70-130				
Surrogate: 1,2-Dichloroethane-d4	71		"	62.5	113	70-130				
Surrogate: Toluene-d8	62		"	62.5	99.7	70-130				
Surrogate: 4-Bromofluorobenzene	63		"	62.5	101	70-130				

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Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B1F0802 - EPA 5030B (Water)

Matrix Spike (B1F0802-MS1)

Source: Y106148-21

Prepared: 06/08/2021 Analyzed: 06/08/2021

1,2,4-Trimethylbenzene	46.3	1.00	ug/L	50.0	ND	92.6	70-130			
1,3,5-Trimethylbenzene	47.7	1.00	"	50.0	ND	95.5	70-130			
Benzene	47.6	1.00	"	50.0	ND	95.2	70-130			
Ethylbenzene	46.2	1.00	"	50.0	ND	92.5	70-130			
m,p-Xylene	90.2	2.00	"	100	0.240	89.9	70-130			
Naphthalene	50.0	4.00	"	50.0	0.780	98.5	70-130			
o-Xylene	43.3	1.00	"	50.0	ND	86.5	70-130			
Toluene	46.0	1.00	"	50.0	ND	91.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	70		"	62.5		112	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.0	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.3	70-130			

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Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B1F0802 - EPA 5030B (Water)

Matrix Spike Dup (B1F0802-MSD1)

Source: Y106148-21

Prepared: 06/08/2021 Analyzed: 06/08/2021

1,2,4-Trimethylbenzene	47.3	1.00	ug/L	50.0	ND	94.5	70-130	2.12	20	
1,3,5-Trimethylbenzene	47.7	1.00	"	50.0	ND	95.4	70-130	0.0209	20	
Benzene	48.4	1.00	"	50.0	ND	96.7	70-130	1.61	20	
Ethylbenzene	46.0	1.00	"	50.0	ND	92.0	70-130	0.542	20	
m,p-Xylene	89.6	2.00	"	100	0.240	89.3	70-130	0.668	20	
Naphthalene	54.1	4.00	"	50.0	0.780	107	70-130	7.74	20	
o-Xylene	44.7	1.00	"	50.0	ND	89.4	70-130	3.23	20	
Toluene	46.4	1.00	"	50.0	ND	92.9	70-130	0.996	20	
Surrogate: 1,2-Dichloroethane-d4	71		"	62.5		113	70-130			
Surrogate: Toluene-d8	64		"	62.5		102	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	70-130			

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Notes and Definitions

- U Sample is Non-Detect.
 - 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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