



June 23, 2021

Entrada Consulting Group

Ben Baugh

330 Grand Ave. Unit C

Grand Junction CO 81501

Project Name - Kielian 2-2

Project Number - 021-060

Attached are your analytical results for Kielian 2-2 received by Origins Laboratory, Inc. June 08, 2021. This project is associated with Origins project number Y106182-01.

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

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS1-0.5'	Y106182-01	Soil	June 7, 2021 8:42	06/08/2021 15:50
SS2-3'	Y106182-02	Soil	June 7, 2021 10:38	06/08/2021 15:50

Per the email from Jeremy on 06/23/21, sample ID SS3-3 was changed to SS2-3. JEP

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

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

www.originslaboratory.com

page of

Project Manager: Ben Baugh

Project Name: KIELIAN 2-2 WH

Project Number: 021-060

Samples Collected By: J. Pellegrini

Client: ENTRADA CONSULTING GROUP

Address: 330 GRAND AVE UNIT C GRAND JUNCTION CO 81501

Telephone Number: 970-241-1111

Email Address: ENTRADA@ENTRADA.COM

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative	Matrix	Analyst	Sample Instructions
<u>581-05</u>	<u>6/27/21</u>	<u>0842</u>	<u>2</u>	Unpreserved	Other	<u>BAUGH PH 65</u>	<u>1</u>
<u>582-4</u>	<u>0930</u>	<u>1</u>	<u>1</u>	HNO ₃	Other	<u>BAUGH PH 65</u>	<u>2</u>
<u>583-11</u>	<u>1015</u>	<u>2</u>	<u>2</u>	HCl	Other	<u>BAUGH PH 65</u>	<u>3</u>
				Unpreserved	Other	<u>BAUGH PH 65</u>	<u>4</u>
				HNO ₃	Other	<u>BAUGH PH 65</u>	<u>5</u>
				HCl	Other	<u>BAUGH PH 65</u>	<u>6</u>
				Unpreserved	Other	<u>BAUGH PH 65</u>	<u>7</u>
				HNO ₃	Other	<u>BAUGH PH 65</u>	<u>8</u>
				HCl	Other	<u>BAUGH PH 65</u>	<u>9</u>
				Unpreserved	Other	<u>BAUGH PH 65</u>	<u>10</u>

Reinquinished By: [Signature] Date: 6/17/21 Time: 1150

Reinquinished By: [Signature] Date: 6/18/21 Time: 1550

Turnaround Time: 24 Hr 48 Hr 72 Hr

Date Results Needed: 7/6

Origins Laboratory, Inc.

Jefe Pellegrini

Jen Pellegrini, Project Manager

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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

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

Sample Receipt Checklist

Origins Work Order: Y106182 Client: Entrada
Client Project ID: Kielian 2-2
Checklist Completed by: [Signature] Shipped Via: HD
Date/time completed: 6-10-21 Airbill #: via
Matrix(s) Received: (Check all that apply) Soil/Solid Water Other: _____
Cooler Number/Temperature: 1 B-U-C / _____ °C / _____ °C / _____ °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) / (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	
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): [Signature] Date/Time Reviewed: 6-10-21

Origins Laboratory, Inc.

[Signature]

Jen Pellegrini, Project Manager

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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

SS1-0.5'

6/7/2021 8:42:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y106182-01 (Soil)

Boron (DTPA Sorbitol)

Boron	3.09	0.0996	mg/L	1	B1F1104	CJM	06/11/2021	06/11/2021	
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Metals by Saturated Paste

Calcium	6.00		meq/L	"	[CALC]	CJM	06/10/2021	06/11/2021	
Magnesium	7.04		"	"	"	CJM	"	"	
Sodium	54.7		"	"	"	CJM	"	"	

pH in Soil by EPA 9045D

pH	8.25		pH Units	1	B1F1022	DJL	06/10/2021	06/16/2021	
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SAR by 20B Saturated Paste

SAR	21.5		SAR	1	B1F1024	CJM	06/10/2021	06/11/2021	
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	9.62	0.00500	mmhos/cm	1	B1F1023	DJL	06/10/2021	06/15/2021	
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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

SS2-3'
6/7/2021 10:38:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y106182-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.535	0.0991	mg/L	1	B1F1018	ZZZ	06/10/2021	06/10/2021	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	50.0	mg/kg	1	B1F1005	TEM	06/10/2021	06/10/2021	U
Residual Range Organics (C28-C40)	ND	200	"	"	"	TEM	"	"	U

Surrogate: o-Terphenyl	73.7 %		50-150		"	"	"	"	
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GBTEX+TMBs

1,2,4-Trimethylbenzene	0.369	0.0500	mg/kg	25	B1F0917	TEM	06/09/2021	06/10/2021	
1,3,5-Trimethylbenzene	0.0990	0.0500	"	"	"	TEM	"	"	
Benzene	0.00244	0.00200	"	1	"	KDK	"	06/10/2021	
Ethylbenzene	0.00958	0.00200	"	"	"	KDK	"	"	
Toluene	ND	0.00200	"	"	"	KDK	"	"	U
Gasoline Range Hydrocarbons	27.4	5.00	"	25	"	TEM	"	06/10/2021	
Xylenes, total	0.358	0.00200	"	1	"	KDK	"	06/10/2021	

Surrogate: 1,2-Dichloroethane-d4	102 %		70-130		"	"	"	"	
Surrogate: Toluene-d8	96.1 %		70-130		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	98.5 %		70-130		"	"	"	"	

Metals by Saturated Paste

Calcium	28.5		meq/L	1	[CALC]	CJM	06/17/2021	06/17/2021	
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Entrada Consulting Group
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 Project Number: 021-060
 Project: Kielian 2-2

SS2-3'
6/7/2021 10:38:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y106182-02 (Soil)

Metals by Saturated Paste

Magnesium	29.8		meq/L	1	[CALC]	CJM	06/17/2021	06/17/2021	
Sodium	183		"	"	"	CJM	"	06/17/2021	

PAH by 8270D SIM

1-Methylnaphthalene	0.0276	0.00067	mg/Kg	1	L557933		06/11/2021	06/11/2021	
2-Methylnaphthalene	0.0394	0.00067	"	"	"		"	"	
Acenaphthene	0.000797	0.00067	"	"	"		"	"	
Anthracene	ND	0.00067	"	"	"		"	"	
Benzo(a)anthracene	ND	0.00067	"	"	"		"	"	
Benzo(a)pyrene	ND	0.00067	"	"	"		"	"	
Benzo(b)fluoranthene	ND	0.00067	"	"	"		"	"	
Benzo(k)fluoranthene	ND	0.00067	"	"	"		"	"	
Chrysene	0.000461	0.00067	"	"	"		"	"	JB
Dibenz(a,h)anthracene	ND	0.00067	"	"	"		"	"	
Fluoranthene	ND	0.00067	"	"	"		"	"	
Fluorene	0.00789	0.00067	"	"	"		"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00067	"	"	"		"	"	
Naphthalene	0.00853	0.00067	"	"	"		"	"	
Pyrene	0.000483	0.00067	"	"	"		"	"	J
Surrogate: 2-Fluorobiphenyl	66.9 %		33-115		"		"	"	
Surrogate: 4-Terphenyl-d14	83.1 %		33-122		"		"	"	

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 Project: Kielian 2-2

SS2-3'
6/7/2021 10:38:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.
Y106182-02 (Soil)

PAH by 8270D SIM

Surrogate: Nitrobenzene-d5 60.8 % 29-110 L5579 06/11/2021 06/11/2021
 33

pH in Soil by EPA 9045D

pH 7.27 pH Units 1 B1F1105 DJL 06/11/2021 06/15/2021

SAR by 20B Saturated Paste

SAR 33.9 SAR 1 B1F1712 CJM 06/17/2021 06/17/2021

Specific Conductance by Modified 9050A

Specific Conductance (EC) 24.5 0.00500 mmhos/cm 1 B1F1106 DJL 06/11/2021 06/15/2021

Total Metals by 6020B

Arsenic	2.27	0.25	mg/Kg	5	L558092	06/11/2021	06/16/2021
Barium	104	1	"	20	"	"	"
Cadmium	0.184	0.25	"	5	"	"	J
Copper	10.3	0.25	"	"	"	"	"
Lead	8.14	0.25	"	"	"	"	"
Nickel	14	0.25	"	"	"	"	"
Selenium	0.361	0.25	"	"	"	"	"
Silver	0.0409	0.25	"	"	"	"	J
Zinc	43.6	2.5	"	"	"	"	"

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 Project Number: 021-060
 Project: Kielian 2-2


SS2-3'

6/7/2021 10:38:00AM

Waypoint Analytical, Inc.
Y106182-02 (Soil)

Total Metals by 7196A

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
Chromium, Hexavalent	ND	1.29	mg/Kg	2.5	L558293		06/07/2021	06/15/2021	

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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

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 B1F0917 - EPA 5030 (soil)

Blank (B1F0917-BLK1)

Prepared: 06/09/2021 Analyzed: 06/10/2021

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
Naphthalene	ND	0.0100	"							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Toluene	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Xylenes, total	ND	0.00200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125	105		70-130			
Surrogate: Toluene-d8	0.14		"	0.125	112		70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125	101		70-130			

Origins Laboratory, Inc.


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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 B1F0917 - EPA 5030 (soil)

LCS (B1F0917-BS1)

Prepared: 06/09/2021 Analyzed: 06/10/2021

1,2,4-Trimethylbenzene	0.0592	0.00200	mg/kg	0.0500		118	70-130			
Naphthalene	0.0540	0.0100	"	0.0500		108	70-130			
1,3,5-Trimethylbenzene	0.0594	0.00200	"	0.0500		119	70-130			
Benzene	0.0466	0.00200	"	0.0500		93.2	70-130			
Ethylbenzene	0.0591	0.00200	"	0.0500		118	70-130			
m,p-Xylene	0.118	0.00400	"	0.100		118	70-130			
o-Xylene	0.0554	0.00200	"	0.0500		111	70-130			
Toluene	0.0549	0.00200	"	0.0500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		112	70-130			
Surrogate: Toluene-d8	0.14		"	0.125		111	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	70-130			

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Jen Pellegrini, Project Manager

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 330 Grand Ave. Unit C
 Grand Junction CO 81501

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 Project Number: 021-060
 Project: Kielian 2-2

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 B1F0917 - EPA 5030 (soil)

Matrix Spike (B1F0917-MS1)

Source: Y106178-01

Prepared: 06/09/2021 Analyzed: 06/10/2021

1,2,4-Trimethylbenzene	0.0622	0.00200	mg/kg	0.0500	ND	124	70-130			
Naphthalene	0.0503	0.0100	"	0.0500	0.00162	97.3	70-130			
1,3,5-Trimethylbenzene	0.0626	0.00200	"	0.0500	ND	125	70-130			
Benzene	0.0500	0.00200	"	0.0500	ND	100	70-130			
Ethylbenzene	0.0618	0.00200	"	0.0500	ND	124	70-130			
m,p-Xylene	0.124	0.00400	"	0.100	ND	124	70-130			
o-Xylene	0.0580	0.00200	"	0.0500	ND	116	70-130			
Toluene	0.0584	0.00200	"	0.0500	ND	117	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		107	70-130			
Surrogate: Toluene-d8	0.14		"	0.125		111	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	70-130			

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

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 B1F0917 - EPA 5030 (soil)

Matrix Spike Dup (B1F0917-MSD1)

Source: Y106178-01

Prepared: 06/09/2021 Analyzed: 06/10/2021

1,2,4-Trimethylbenzene	0.0541	0.00200	mg/kg	0.0500	ND	108	70-130	13.8	20	
Naphthalene	0.0437	0.0100	"	0.0500	0.00162	84.2	70-130	14.0	20	
1,3,5-Trimethylbenzene	0.0547	0.00200	"	0.0500	ND	109	70-130	13.5	20	
Benzene	0.0447	0.00200	"	0.0500	ND	89.4	70-130	11.1	20	
Ethylbenzene	0.0550	0.00200	"	0.0500	ND	110	70-130	11.5	20	
m,p-Xylene	0.110	0.00400	"	0.100	ND	110	70-130	11.9	20	
o-Xylene	0.0515	0.00200	"	0.0500	ND	103	70-130	11.9	20	
Toluene	0.0517	0.00200	"	0.0500	ND	103	70-130	12.2	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		106	70-130			
Surrogate: Toluene-d8	0.14		"	0.125		111	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		103	70-130			

Origins Laboratory, Inc.



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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

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

Table with 11 columns: Analyte, Result, Reporting Limit, Units, Spike Level, Source Result, %REC, %REC Limits, RPD, RPD Limit, Notes

Batch B1F1005 - EPA 3550B

Blank (B1F1005-BLK1)

Prepared: 06/10/2021 Analyzed: 06/11/2021

Table with 11 columns: Analyte, Result, Reporting Limit, Units, Spike Level, Source Result, %REC, %REC Limits, RPD, RPD Limit, Notes. Rows include Diesel (C10-C28), Residual Range Organics (C28-C40), and Surrogate: o-Terphenyl.

Origins Laboratory, Inc.

Handwritten signature of Jen Pellegrini

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Jen Pellegrini, Project Manager

Entrada Consulting Group

330 Grand Ave. Unit C

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Ben Baugh

Project Number: 021-060

Project: Kielian 2-2

Extractable Petroleum Hydrocarbons by 8015D - 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 B1F1005 - EPA 3550B

LCS (B1F1005-BS1)

Prepared: 06/10/2021 Analyzed: 06/10/2021

Diesel (C10-C28)	990	50.0	mg/kg	1000	99.0	70-130				
Residual Range Organics (C28-C40)	951	200	"	1000	95.1	70-130				
Surrogate: o-Terphenyl	44		"	50.0	88.2	50-150				

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Extractable Petroleum Hydrocarbons by 8015D - 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 B1F1005 - EPA 3550B

Matrix Spike (B1F1005-MS1)

Source: Y106200-01

Prepared: 06/10/2021 Analyzed: 06/10/2021

Diesel (C10-C28)	1020	50.0	mg/kg	1000	ND	102	70-130			
Residual Range Organics (C28-C40)	1020	200	"	1000	56.5	96.2	70-130			
Surrogate: o-Terphenyl	42		"	50.0		83.1	50-150			

Origins Laboratory, Inc.



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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

Extractable Petroleum Hydrocarbons by 8015D - 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 B1F1005 - EPA 3550B

Matrix Spike Dup (B1F1005-MSD1)

Source: Y106200-01

Prepared: 06/10/2021 Analyzed: 06/10/2021

Diesel (C10-C28)	1050	50.0	mg/kg	1000	ND	105	70-130	2.87	35	
Residual Range Organics (C28-C40)	1110	200	"	1000	56.5	105	70-130	8.44	35	
Surrogate: o-Terphenyl	42		"	50.0		84.6	50-150			

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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

Extractable Petroleum Hydrocarbons by 8015D - 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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Saturated Paste - 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 B1F1022 - NO PREP

Duplicate (B1F1022-DUP1)

Source: Y106174-01

Prepared: 06/10/2021 Analyzed: 06/16/2021

pH 8.04 pH Units 8.51 5.68 25

Batch B1F1023 - NO PREP

Blank (B1F1023-BLK1)

Prepared: 06/10/2021 Analyzed: 06/15/2021

Specific Conductance (EC) 0.00120 0.00500 mmhos/cm

Duplicate (B1F1023-DUP1)

Source: Y106174-01

Prepared: 06/10/2021 Analyzed: 06/15/2021

Specific Conductance (EC) 0.288 0.00500 mmhos/cm 0.278 3.71 25

Batch B1F1105 - NO PREP

Duplicate (B1F1105-DUP1)

Source: Y106182-02

Prepared: 06/11/2021 Analyzed: 06/15/2021

pH 7.17 pH Units 7.27 1.39 25

Batch B1F1106 - NO PREP

Blank (B1F1106-BLK1)

Prepared: 06/11/2021 Analyzed: 06/15/2021

Specific Conductance (EC) 0.00230 0.00500 mmhos/cm

Duplicate (B1F1106-DUP1)

Source: Y106182-02

Prepared: 06/11/2021 Analyzed: 06/15/2021

Specific Conductance (EC) 25.1 0.00500 mmhos/cm 24.5 2.18 25

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 330 Grand Ave. Unit C
 Grand Junction CO 81501

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

PAH by 8270D SIM - Quality Control
Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L557933 - 3550B

MSD (L 94653-MSD-L557933)

Source: 94653

Prepared: 06/11/2021 Analyzed: 06/11/2021

Fluoranthene	0.141	0.000529	mg/Kg	0.166	<0.000529	84.9	30-130	11.2	30	
Fluorene	0.138	0.000501	"	0.166	<0.000501	83.1	30-130	12.3	30	
Indeno(1,2,3-cd)pyrene	0.101	0.000344	"	0.166	<0.000344	60.8	30-130	9.3	30	
Naphthalene	0.118	0.000467	"	0.166	<0.000467	71	30-130	9.7	30	
Pyrene	0.122	0.000387	"	0.166	<0.000387	73.4	30-130	12.1	30	
Dibenz(a,h)anthracene	0.102	0.000279	"	0.166	<0.000279	61.4	30-130	7.7	30	
2-Methylnaphthalene	0.119	0.000542	"	0.166	<0.000542	71.6	30-130	10.6	30	
Acenaphthene	0.131	0.000431	"	0.166	<0.000431	78.9	30-130	13	30	
1-Methylnaphthalene	0.119	0.00048	"	0.166	<0.000480	71.6	30-130	11.5	30	
Chrysene	0.138	0.000256	"	0.166	<0.000256	83.1	30-130	13.9	30	
Anthracene	0.139	0.000426	"	0.166	<0.000426	83.7	30-130	13	30	
Benzo(a)anthracene	0.138	0.000441	"	0.166	<0.000441	83.1	30-130	13.9	30	
Benzo(a)pyrene	0.141	0.000133	"	0.166	<0.000133	84.9	30-130	15.2	30	
Benzo(b)fluoranthene	0.0876	0.000138	"	0.166	<0.000138	52.7	30-130	1.6	30	
Benzo(k)fluoranthene	0.0918	0.000486	"	0.166	<0.000486	55.3	30-130	10.5	30	
Surrogate: Nitrobenzene-d5	58.9		"	0.331	210	58.9	29-110			
Surrogate: 2-Fluorobiphenyl	76.1		"	0.331	245	76.1	33-115			
Surrogate: 4-Terphenyl-d14	79.1		"	0.331	258	79.1	33-122			

MS (L 94653-MS-L557933)

Source: 94653

Prepared: 06/11/2021 Analyzed: 06/11/2021

1-Methylnaphthalene	0.106	0.00048	mg/Kg	0.164	<0.000480	64.6	30-130			
2-Methylnaphthalene	0.107	0.000542	"	0.164	<0.000542	65.2	30-130			
Acenaphthene	0.115	0.000431	"	0.164	<0.000431	70.1	30-130			
Benzo(a)pyrene	0.121	0.000133	"	0.164	<0.000133	73.7	30-130			
Benzo(a)anthracene	0.12	0.000441	"	0.164	<0.000441	73.1	30-130			
Naphthalene	0.107	0.000467	"	0.164	<0.000467	65.2	30-130			
Anthracene	0.122	0.000426	"	0.164	<0.000426	74.3	30-130			

Origins Laboratory, Inc.



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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

PAH by 8270D SIM - Quality Control
Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L557933 - 3550B

MS (L 94653-MS-L557933)

Source: 94653

Prepared: 06/11/2021 Analyzed: 06/11/2021

Indeno(1,2,3-cd)pyrene	0.092	0.000344	mg/Kg	0.164	<0.000344	56	30-130			
Fluorene	0.122	0.000501	"	0.164	<0.000501	74.3	30-130			
Fluoranthene	0.126	0.000529	"	0.164	<0.000529	76.8	30-130			
Dibenz(a,h)anthracene	0.0944	0.000279	"	0.164	<0.000279	57.5	30-130			
Chrysene	0.12	0.000256	"	0.164	<0.000256	73.1	30-130			
Benzo(k)fluoranthene	0.0826	0.000486	"	0.164	<0.000486	50.3	30-130			
Benzo(b)fluoranthene	0.0891	0.000138	"	0.164	<0.000138	54.3	30-130			
Pyrene	0.108	0.000387	"	0.164	<0.000387	65.8	30-130			
Surrogate: 2-Fluorobiphenyl	66.2		"	0.329	245	66.2	33-115			
Surrogate: 4-Terphenyl-d14	68		"	0.329	258	68	33-122			
Surrogate: Nitrobenzene-d5	52.2		"	0.329	210	52.2	29-110			

LCS (LCS-L557933)

Prepared: 06/11/2021 Analyzed: 06/11/2021

Naphthalene	0.115	0.000467	mg/Kg	0.167		68.8	30-130			
Benzo(a)pyrene	0.118	0.000133	"	0.167		70.6	30-130			
2-Methylnaphthalene	0.116	0.000542	"	0.167		69.4	30-130			
Acenaphthene	0.121	0.000431	"	0.167		72.4	30-130			
Anthracene	0.122	0.000426	"	0.167		73	30-130			
Benzo(a)anthracene	0.119	0.000441	"	0.167		71.2	30-130			
Benzo(b)fluoranthene	0.0808	0.000138	"	0.167		48.3	30-130			
Benzo(k)fluoranthene	0.0837	0.000486	"	0.167		50.1	30-130			
Dibenz(a,h)anthracene	0.0982	0.000279	"	0.167		58.8	30-130			
1-Methylnaphthalene	0.116	0.00048	"	0.167		69.4	30-130			
Indeno(1,2,3-cd)pyrene	0.0969	0.000344	"	0.167		58	30-130			
Chrysene	0.118	0.000256	"	0.167		70.6	30-130			
Pyrene	0.107	0.000387	"	0.167		64	30-130			
Fluorene	0.127	0.000501	"	0.167		76	30-130			

Origins Laboratory, Inc.



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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

PAH by 8270D SIM - Quality Control
Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L557933 - 3550B

LCS (LCS-L557933)

Prepared: 06/11/2021 Analyzed: 06/11/2021

Fluoranthene	0.125	0.000529	mg/Kg	0.167	74.8	30-130				
Surrogate: 2-Fluorobiphenyl	81.9		"	0.333	81.9	33-115				
Surrogate: 4-Terphenyl-d14	75		"	0.333	75	33-122				
Surrogate: Nitrobenzene-d5	61.5		"	0.333	61.5	29-110				

LRB (LRB-L557933)

Prepared: 06/11/2021 Analyzed: 06/11/2021

Fluorene	ND	0.00067	mg/Kg							
Fluoranthene	ND	0.00067	"							
Dibenz(a,h)anthracene	ND	0.00067	"							
Chrysene	0.000624	0.00067	"							J
Indeno(1,2,3-cd)pyrene	ND	0.00067	"							
Benzo(k)fluoranthene	ND	0.00067	"							
Benzo(b)fluoranthene	ND	0.00067	"							
Anthracene	ND	0.00067	"							
Benzo(a)anthracene	ND	0.00067	"							
1-Methylnaphthalene	ND	0.00067	"							
2-Methylnaphthalene	ND	0.00067	"							
Naphthalene	ND	0.00067	"							
Pyrene	ND	0.00067	"							
Acenaphthene	ND	0.00067	"							
Benzo(a)pyrene	ND	0.00067	"							
Surrogate: 2-Fluorobiphenyl	80.1		"	0.333	80.1	33-115				
Surrogate: Nitrobenzene-d5	62.7		"	0.333	62.7	29-110				
Surrogate: 4-Terphenyl-d14	79.5		"	0.333	79.5	33-122				

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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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L558092 - 3050B

MSD (L 95275-MSD-L558092)

Source: 95275

Prepared: 06/11/2021 Analyzed: 06/16/2021

Copper	10.5	0.0806	mg/Kg	2.32	9	65	75-125	6.4	80	*
Arsenic	3.9	0.0855	"	2.32	2.63	55	75-125	5.2	80	*
Lead	11.3	0.031	"	2.32	9.3	86	75-125	5.1	80	
Nickel	13.1	0.0633	"	2.32	11.6	65	75-125	9.4	80	*
Selenium	3.16	0.103	"	4.63	0.168	68	75-125	3.7	80	*
Silver	0.471	0.0067	"	0.463	0.0363	102	75-125	0.2	80	
Zinc	61.7	0.534	"	23.2	42.3	84	75-125	5.3	80	
Cadmium	0.536	0.0259	"	0.463	0.131	116	75-125	8.5	80	
Barium	104	0.171	"	4.63	99.1	106	75-125	6.5	80	

MS (L 95275-MS-L558092)

Source: 95275

Prepared: 06/11/2021 Analyzed: 06/16/2021

Selenium	3.28	0.103	mg/Kg	4.95	0.168	66	75-125			*
Silver	0.472	0.0067	"	0.495	0.0363	95	75-125			
Zinc	65.1	0.534	"	24.7	42.3	92	75-125			
Nickel	14.4	0.0633	"	2.47	11.6	113	75-125			
Lead	11.9	0.031	"	2.47	9.3	105	75-125			
Copper	11.2	0.0806	"	2.47	9	89	75-125			
Cadmium	0.584	0.0259	"	0.495	0.131	118	75-125			
Arsenic	4.11	0.0855	"	2.47	2.63	60	75-125			*
Barium	111	0.171	"	4.95	99.1	241	75-125			*

LCS (LCS-L558092)

Prepared: 06/11/2021 Analyzed: 06/16/2021

Selenium	4.46	0.103	mg/Kg	5		89	80-120			
Silver	0.457	0.0067	"	0.5		91	80-120			
Nickel	2.34	0.0633	"	2.5		94	80-120			
Lead	2.39	0.031	"	2.5		96	80-120			
Copper	2.27	0.0806	"	2.5		91	80-120			

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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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L558092 - 3050B

LCS (LCS-L558092)

Prepared: 06/11/2021 Analyzed: 06/16/2021

Cadmium	0.467	0.0259	mg/Kg	0.5	93	80-120
Barium	4.64	0.042	"	5	93	80-120
Arsenic	2.01	0.0855	"	2.5	80	80-120
Zinc	22.9	0.534	"	25	92	80-120

LRB (LRB-L558092)

Prepared: 06/11/2021 Analyzed: 06/16/2021

Zinc	ND	2.5	mg/Kg	-	-	-
Lead	ND	0.25	"	-	-	-
Copper	ND	0.25	"	-	-	-
Cadmium	ND	0.25	"	-	-	-
Barium	0.0473	0.25	"	-	-	J
Arsenic	ND	0.25	"	-	-	-
Nickel	ND	0.25	"	-	-	-
Silver	ND	0.25	"	-	-	-
Selenium	ND	0.25	"	-	-	-

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 330 Grand Ave. Unit C
 Grand Junction CO 81501

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

Total Metals by 7196A - Quality Control
Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L558293 -

DUP (L 94653-DUP)

Source: 94653

Prepared: Analyzed: 06/15/2021

Chromium, Hexavalent	ND	0.244	mg/Kg		<0.500	-	0	20	
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MS (L 94653-MS)

Source: 94653

Prepared: Analyzed: 06/15/2021

Chromium, Hexavalent	7.44	0.246	mg/Kg	8.1	<0.246	92	75-125		
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LCS (LCS)

Prepared: Analyzed: 06/15/2021

Chromium, Hexavalent	7.83	0.244	mg/Kg	8	98	75-125			
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LRB (LRB)

Prepared: Analyzed: 06/15/2021

Chromium, Hexavalent	ND	0.5	mg/Kg		-				
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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

Notes and Definitions

- U Sample is Non-Detect.
 - JB [Undefined]
 - J Estimated Value. Analyte below reported quantitation limit.
 - * 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.

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