



February 08, 2022

Entrada Consulting Group

Jeremy Pike

330 Grand Ave. Unit C

Grand Junction CO 81501

Project Name - Kielian 2-2 TB

Project Number - [none]

Attached are your analytical results for Kielian 2-2 TB received by Origins Laboratory, Inc. January 20, 2022. This project is associated with Origins project number Y201382-01.

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

Jeremy Pike

Project Number: [none]

Project: Kielian 2-2 TB

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW07-5	Y201382-01	Soil	January 20, 2022 9:50	01/20/2022 14:05
MW09-5	Y201382-02	Soil	January 20, 2022 11:55	01/20/2022 14:05

1-Methylnapthalene, 2-Methylnapthalene, Napthalene, and Fluorene were added per Jeremy's email on 02/03/2022. JM

Origins Laboratory, Inc.



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

Jeremy Pike  
Project Number: [none]  
Project: Kielian 2-2 TB

**ORIGINS**  
LABORATORY, INC

Bill to J. Davidson  
Great Western Operating Company

www.originslaboratory.com

4201365-4201382 page 1 of 1

Client: Entrada Consulting Group  
Address:  
Telephone Number: 435-630-4748  
Email Address: bbaugh@entradainc.com

Project Manager: Jeremy Pike  
Project Name: Kielian 2-2 Tank Battery  
Project Number:  
Samples Collected By: Jeremy Pike

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative	Matrix	Analysis	Sample Instructions
MW07-5	1/20/22	0959	2	Unpreserved	Soil	BTXN 124+135 TMR TPH-GRO DROGRO, acenaphthene, anthracene, chrysene, and pyrene	1
MW09-5	1/20/22	1155	2	Unpreserved	Soil		2
							3
							4
							5
							6
							7
							8
							9
							10

Retiquished By: [Signature]  
Retiquished By: [Signature]

Date: 1/20/22 Time: 1405  
Date: 1/20/22 Time: 1405  
Turnaround Time: 24 hr  
Some Day: 48 hr  
Standard: 72 hr

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Date Results Needed

Origins Laboratory, Inc.

[Signature]

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

Jeremy Pike  
Project Number: [none]  
Project: Kielian 2-2 TB

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

4201382 Sample Receipt Checklist

Origins Work Order: 4201382 Client: Entrada  
Client Project ID: Kielian 2-2 TB

Checklist Completed by: JG Shipped Via: HD  
Date/time completed: 1/20/22 (UPS, FedEx, Hand Delivered, Pick-up, etc.)  
Airbill #: N/A

Matrix(s) Received: (Check all that apply): ☒ Soil/Solid ☐ Water ☐ Other: \_\_\_\_\_  
Cooler Number/Temperature: 1, 5.8 °C / \_\_\_\_\_ °C / \_\_\_\_\_ °C (Describe) \_\_\_\_\_ °C  
Thermometer ID: T003

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"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) 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 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 < 2 for samples preserved with HNO <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH > 10 for samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input type="checkbox"/>	<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) JM

Date/Time Reviewed 1/21/22

Origins Laboratory, Inc.

*Jordan A. Merrill*

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

Jeremy Pike  
Project Number: [none]  
Project: Kielian 2-2 TB

## MW07-5

1/20/2022 9:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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## Waypoint Analytical, LLC. Y201382-01 (Soil)

### 8270D SIM

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L596233	01/25/2022	01/26/2022	
2-Methylnaphthalene	0.000955	0.000645	0.00067	"	"	"	"	"	
Fluorene	ND	0.000286	0.00067	"	"	"	"	"	
Naphthalene	0.00295	0.000484	0.00067	"	"	"	"	"	

### DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B2A2106	01/21/2022	01/21/2022	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl 91.5 % 50-150 " " "

### GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2A2618	01/26/2022	02/01/2022	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

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Jeremy Pike  
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Project: Kielian 2-2 TB

## MW07-5

1/20/2022 9:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y201382-01 (Soil)

### GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	97.6 %		70-130			B2A26 18	01/26/2022	02/01/2022
Surrogate: Toluene-d8	106 %		70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	99.4 %		70-130			"	"	"

### PAH by 8270D SIM

Acenaphthene	ND	0.000304	0.00067	mg/Kg	1	L596233	01/25/2022	01/26/2022
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Pyrene	0.000779	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	55.9 %		33-115			"	"	"
Surrogate: 4-Terphenyl-d14	58.6 %		33-122			"	"	"
Surrogate: Nitrobenzene-d5	46.8 %		29-110			"	"	"

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330 Grand Ave. Unit C  
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Jeremy Pike  
Project Number: [none]  
Project: Kielian 2-2 TB

## MW09-5

1/20/2022 11:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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## Waypoint Analytical, LLC. Y201382-02 (Soil)

### 8270D SIM

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L596233	01/25/2022	01/26/2022	
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"	
Fluorene	ND	0.000286	0.00067	"	"	"	"	"	
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"	

### DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B2A2106	01/21/2022	01/21/2022	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	84.2 %	50-150	"	"	"
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### GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.189	0.00200	mg/kg	1	B2A2618	01/26/2022	02/01/2022	
1,3,5-Trimethylbenzene	0.0331	0.00200	"	"	"	"	"	
Benzene	0.00304	0.00200	"	"	"	"	"	
Ethylbenzene	0.0790	0.00200	"	"	"	"	"	
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	0.133	0.00200	"	"	"	"	"	
Gasoline Range Hydrocarbons	0.968	0.200	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	109 %	70-130	"	"	"	"	"	

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Jeremy Pike

Project Number: [none]

Project: Kielian 2-2 TB

## MW09-5

1/20/2022 11:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc.

Y201382-02 (Soil)

### GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	106 %		70-130			B2A26 18	01/26/2022	02/01/2022	
Surrogate: 4-Bromofluorobenzene	106 %		70-130			"	"	"	

### PAH by 8270D SIM

Acenaphthene	ND	0.000304	0.00067	mg/Kg	1	L596233	01/25/2022	01/26/2022	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	62 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	76.5 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	51.8 %		29-110			"	"	"	

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Jeremy Pike

Project Number: [none]

Project: Kielian 2-2 TB

## 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
Batch B2A2106 - EPA 3550B										
Blank (B2A2106-BLK1)					Prepared: 01/21/2022 Analyzed: 01/21/2022					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	24		"	24.9		97.7	50-150			

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330 Grand Ave. Unit C

Grand Junction CO 81501

Jeremy Pike

Project Number: [none]

Project: Kielian 2-2 TB

## 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 B2A2106 - EPA 3550B

### LCS (B2A2106-BS1)

Prepared: 01/21/2022 Analyzed: 01/21/2022

Diesel (C10-C28)	896	50.0	mg/kg	1000		89.6	70-130			
Residual Range Organics (C28-C40)	955	200	"	1000		95.5	70-130			
Surrogate: o-Terphenyl	42		"	49.8		85.1	50-150			

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Project: Kielian 2-2 TB

## 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 B2A2106 - EPA 3550B

Matrix Spike (B2A2106-MS1)		Source: Y201382-01			Prepared: 01/21/2022 Analyzed: 01/21/2022					
Diesel (C10-C28)	1020	50.0	mg/kg	1000	ND	102	70-130			
Residual Range Organics (C28-C40)	865	200	"	1000	ND	86.5	70-130			
Surrogate: o-Terphenyl	41		"	49.8		81.7	50-150			

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Jeremy Pike

Project Number: [none]

Project: Kielian 2-2 TB

## 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 B2A2106 - EPA 3550B

Matrix Spike Dup (B2A2106-MSD1)		Source: Y201382-01			Prepared: 01/21/2022 Analyzed: 01/21/2022					
Diesel (C10-C28)	1200	50.0	mg/kg	1000	ND	120	70-130	16.0	35	
Residual Range Organics (C28-C40)	1120	200	"	1000	ND	112	70-130	25.9	35	
Surrogate: o-Terphenyl	42		"	49.8		84.7	50-150			

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330 Grand Ave. Unit C

Grand Junction CO 81501

Jeremy Pike

Project Number: [none]

Project: Kielian 2-2 TB

## 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
<b>Batch B2A2618 - EPA 5030 (soil)</b>										
<b>Blank (B2A2618-BLK1)</b>					Prepared: 01/26/2022 Analyzed: 02/01/2022					
1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.0100	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125	103		70-130			
Surrogate: Toluene-d8	0.13		"	0.125	103		70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125	98.2		70-130			

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

Jeremy Pike  
Project Number: [none]  
Project: Kielian 2-2 TB

**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 B2A2618 - EPA 5030 (soil)**

**LCS (B2A2618-BS1)**

Prepared: 01/26/2022 Analyzed: 02/01/2022

1,2,4-Trimethylbenzene	0.0823	0.00200	mg/kg	0.100		82.3	70-130			
1,3,5-Trimethylbenzene	0.0800	0.00200	"	0.100		80.0	70-130			
Benzene	0.105	0.00200	"	0.100		105	70-130			
Ethylbenzene	0.0866	0.00200	"	0.100		86.6	70-130			
Naphthalene	0.108	0.0100	"	0.100		108	70-130			
Toluene	0.0931	0.00200	"	0.100		93.1	70-130			
o-Xylene	0.0929	0.00200	"	0.100		92.9	70-130			
m,p-Xylene	0.168	0.00400	"	0.200		83.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		107	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.8	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.8	70-130			

Origins Laboratory, Inc.

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330 Grand Ave. Unit C  
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Jeremy Pike  
Project Number: [none]  
Project: Kielian 2-2 TB

**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 B2A2618 - EPA 5030 (soil)**

Matrix Spike (B2A2618-MS1)		Source: Y201331-01			Prepared: 01/26/2022 Analyzed: 02/01/2022					
1,2,4-Trimethylbenzene	0.113	0.00200	mg/kg	0.100	ND	113	70-130			
1,3,5-Trimethylbenzene	0.115	0.00200	"	0.100	ND	115	70-130			
Benzene	0.100	0.00200	"	0.100	ND	100	70-130			
Ethylbenzene	0.112	0.00200	"	0.100	ND	112	70-130			
Naphthalene	0.0941	0.0100	"	0.100	0.000700	93.4	70-130			
Toluene	0.102	0.00200	"	0.100	ND	102	70-130			
o-Xylene	0.111	0.00200	"	0.100	ND	111	70-130			
m,p-Xylene	0.221	0.00400	"	0.200	ND	111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		94.1	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.9	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
<b>Batch B2A2618 - EPA 5030 (soil)</b>										
<b>Matrix Spike Dup (B2A2618-MSD1)</b>		<b>Source: Y201331-01</b>			Prepared: 01/26/2022 Analyzed: 02/01/2022					
1,2,4-Trimethylbenzene	0.115	0.00200	mg/kg	0.100	ND	115	70-130	1.03	20	
1,3,5-Trimethylbenzene	0.114	0.00200	"	0.100	ND	114	70-130	0.542	20	
Benzene	0.108	0.00200	"	0.100	ND	108	70-130	7.67	20	
Ethylbenzene	0.110	0.00200	"	0.100	ND	110	70-130	1.24	20	
Naphthalene	0.110	0.0100	"	0.100	0.000700	109	70-130	15.6	20	
Toluene	0.106	0.00200	"	0.100	ND	106	70-130	4.32	20	
o-Xylene	0.112	0.00200	"	0.100	ND	112	70-130	0.825	20	
m,p-Xylene	0.219	0.00400	"	0.200	ND	110	70-130	0.763	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		95.3	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.0	70-130			

Origins Laboratory, Inc.



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

Jeremy Pike  
Project Number: [none]  
Project: Kielian 2-2 TB

**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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**8270D SIM - 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 L596233 - 3550B**

<b>MSD (L 99440-MSD-L596233)</b>		<b>Source: 99440</b>			<b>Prepared: 01/25/2022 Analyzed: 01/26/2022</b>					
1-Methylnaphthalene	0.104	0.0364	mg/Kg	0.165	<0.0364	63	30-130	12.4	30	
2-Methylnaphthalene	0.0999	0.0645	"	0.165	<0.0645	60.5	30-130	14.9	30	
Fluorene	0.0865	0.0286	"	0.165	<0.0286	52.4	30-130	24.2	30	
Naphthalene	0.109	0.0484	"	0.165	<0.0484	66	30-130	16.4	30	
<b>MS (L 99440-MS-L596233)</b>		<b>Source: 99440</b>			<b>Prepared: 01/25/2022 Analyzed: 01/26/2022</b>					
2-Methylnaphthalene	0.086	0.0645	mg/Kg	0.165	<0.0645	52.1	30-130			
Fluorene	0.0678	0.0286	"	0.165	<0.0286	41	30-130			
1-Methylnaphthalene	0.0918	0.0364	"	0.165	<0.0364	55.6	30-130			
Naphthalene	0.0924	0.0484	"	0.165	<0.0484	56	30-130			
<b>LCS (LCS-L596233)</b>					<b>Prepared: 01/25/2022 Analyzed: 01/26/2022</b>					
1-Methylnaphthalene	0.101	0.000364	mg/Kg	0.167		60.4	30-130			
2-Methylnaphthalene	0.101	0.000645	"	0.167		60.4	30-130			
Fluorene	0.111	0.000286	"	0.167		66.4	30-130			
Naphthalene	0.0977	0.000484	"	0.167		58.5	30-130			
<b>LRB (LRB-L596233)</b>					<b>Prepared: 01/25/2022 Analyzed: 01/26/2022</b>					
1-Methylnaphthalene	ND	0.00067	mg/Kg			-				
2-Methylnaphthalene	ND	0.00067	"			-				
Fluorene	ND	0.00067	"			-				
Naphthalene	ND	0.00067	"			-				

Origins Laboratory, Inc.

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

Jeremy Pike  
Project Number: [none]  
Project: Kielian 2-2 TB

**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
<b>Batch L596233 - 3550B</b>										
<b>MSD (L 99440-MSD-L596233)</b>			<b>Source: 99440</b>		Prepared: 01/25/2022 Analyzed: 01/26/2022					
Acenaphthene	0.0949	0.0304	mg/Kg	0.165	<0.0304	57.5	30-130	14.4	30	
Pyrene	ND	6.43	"	0.165	<6.43	0	30-130	0	30	*
Anthracene	ND	3.34	"	0.165	<3.34	0	30-130	0	30	*
Chrysene	0.127	0.0624	"	0.165	<0.0624	76.9	30-130	14.3	30	
Surrogate: Nitrobenzene-d5	105		"	0.33	285	105	29-110			
Surrogate: 4-Terphenyl-d14	105		"	0.33	310	105	33-122			
Surrogate: 2-Fluorobiphenyl	66.3		"	0.33	184	66.3	33-115			
<b>MS (L 99440-MS-L596233)</b>			<b>Source: 99440</b>		Prepared: 01/25/2022 Analyzed: 01/26/2022					
Acenaphthene	0.0821	0.0304	mg/Kg	0.165	<0.0304	49.7	30-130			
Anthracene	ND	3.34	"	0.165	<3.34	0	30-130			*
Chrysene	0.11	0.0624	"	0.165	<0.0624	66.6	30-130			
Pyrene	ND	6.43	"	0.165	<6.43	0	30-130			*
Surrogate: 2-Fluorobiphenyl	47.2		"	0.33	184	47.2	33-115			
Surrogate: 4-Terphenyl-d14	75.4		"	0.33	310	75.4	33-122			
Surrogate: Nitrobenzene-d5	71.8		"	0.33	285	71.8	29-110			
<b>LCS (LCS-L596233)</b>			Prepared: 01/25/2022 Analyzed: 01/26/2022							
Pyrene	0.11	0.000643	mg/Kg	0.167		65.8	30-130			
Chrysene	0.0999	0.000624	"	0.167		59.8	30-130			
Anthracene	0.114	0.000334	"	0.167		68.2	30-130			
Acenaphthene	0.104	0.000304	"	0.167		62.2	30-130			
Surrogate: 2-Fluorobiphenyl	75.6		"	0.333		75.6	33-115			
Surrogate: Nitrobenzene-d5	54.3		"	0.333		54.3	29-110			
Surrogate: 4-Terphenyl-d14	84		"	0.333		84	33-122			
<b>LRB (LRB-L596233)</b>			Prepared: 01/25/2022 Analyzed: 01/26/2022							
Pyrene	ND	0.00067	mg/Kg				-			

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

Jeremy Pike  
Project Number: [none]  
Project: Kielian 2-2 TB

**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 L596233 - 3550B

LRB (LRB-L596233)

Prepared: 01/25/2022 Analyzed: 01/26/2022

Acenaphthene	ND	0.00067	mg/Kg				-			
Anthracene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Surrogate: 2-Fluorobiphenyl	60.6		"	0.333	60.6		33-115			
Surrogate: 4-Terphenyl-d14	75.3		"	0.333	75.3		33-122			
Surrogate: Nitrobenzene-d5	54		"	0.333	54		29-110			

Origins Laboratory, Inc.



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Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Jeremy Pike

Project Number: [none]

Project: Kielian 2-2 TB

### Notes and Definitions

U Sample is Non-Detect.

\* QC Failure

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

Origins Laboratory, Inc.



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