



February 27, 2024

Evergreen Natural Resources LLC

T.J. Fernandez

27000 Hwy 12

Trinidad

CO 81082

Project Name - Soils

Project Number - [none]

Attached are your analytical results for Soils received by Origins Laboratory, Inc. February 15, 2024. This project is associated with Origins project number Y402367-04.

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

Evergreen Natural Resources LLC

27000 Hwy 12

Trinidad CO 81082

T.J. Fernandez

Project Number: [none]

Project: Soils

### CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Foxtrot 34-10 SS2	Y402367-04	Soil	February 14, 2024 13:05	02/15/2024 09:40

Origins Laboratory, Inc.



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Evergreen Natural Resources LLC  
27000 Hwy 12  
Trinidad CO 81082

T.J. Fernandez  
Project Number: [none]  
Project: Soils

# ORIGINS

LABORATORY, INC

www.originslaboratory.com

402307

page 1 of 1

Client: Evergreen Natural Resources LLC  
Address: 27000 Hwy 12 Trinidad, CO 81082  
Telephone Number: 719-220-4330  
Email Address: labs@enrilc.com

Project Manager:  
Project Name:  
Project Number:  
Samples Collected By: T. Fernandez

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions
				Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater	Soil	Air Summa #		
Ken 33-18 Native #2	2-14-24	1220	1	X					X		Asenic	1
Ken 33-18 Native #3	2-14-24	1220	1	X					X		Asenic	2
Ken 33-18 Native #4	2-14-24	1220	1	X					X		Asenic	3
Forest 3410 552	2-14-24	1305	1	V					X		96-1 Organics Report Separately	4
												5
												6
												7
												8
												9
												10
Relinquished By: T. Fernandez	Date: 2-14-28	Time: 1400		Received By: [Signature]				Date: 2-15-24	Time: 0900	Turnaround Time: Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input checked="" type="checkbox"/> Standard		
Relinquished By:	Date:	Time:		Received By:				Date:	Time:			

3.5 Date Results Needed

Origins Laboratory, Inc.

*J. Bynon*

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27000 Hwy 12  
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T.J. Fernandez  
Project Number: [none]  
Project: Soils

Origins Laboratory

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

**Sample Receipt Checklist**

Origins Work Order: 4402307 Client: Evergreen  
Client Project ID: Soil

Checklist Completed by: IJH/EAS Shipped Via: TRD  
Date/time completed: 2/15/24 (UPS, FedEx, Hand Delivered, Pick-up, etc.)  
Airbill #: N/A

Matrix(s) Received: (Check all that apply): ☒ Soil/Solid ☐ Water ☐ Other: \_\_\_\_\_  
Cooler Number/Temperature: 13.5 °C / \_\_\_\_\_ °C / \_\_\_\_\_ °C (Describe) \_\_\_\_\_ °C  
Thermometer ID: 1004

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 <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 checked="" type="checkbox"/>	
Additional Comments (if any): <u>No project name and project manager</u>				

<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: [Signature] (Project Manager) Date/Time Reviewed: 2-16-24

Origins Laboratory, Inc.

*J. Bynon*

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Evergreen Natural Resources LLC  
27000 Hwy 12  
Trinidad CO 81082

T.J. Fernandez  
Project Number: [none]  
Project: Soils

**Foxtrot 34-10 SS2**  
**2/14/2024 1:05:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y402367-04 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4B1602	ZZZ	02/16/2024	02/23/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl 83.1 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4B1555	ZZZ	02/15/2024	02/16/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4 94.4 % 70-130 " " "  
Surrogate: Toluene-d8 101 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 105 % 70-130 " " "

**PAH by EPA 8270E**

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4B1925	Windo	02/19/2024	02/20/2024	U
2-Methylnaphthalene	ND	0.002	"	"	"	Windo	"	"	U

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T.J. Fernandez  
Project Number: [none]  
Project: Soils

**Foxtrot 34-10 SS2**  
**2/14/2024 1:05:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y402367-04 (Soil)**

**PAH by EPA 8270E**

Acenaphthene	ND	0.020	mg/kg	1	B4B1925	Windo	02/19/2024	02/20/2024	U
Anthracene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	Windo	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Chrysene	ND	0.020	"	"	"	Windo	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	Windo	"	"	U
Fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Fluorene	ND	0.020	"	"	"	Windo	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	Windo	"	"	U
Naphthalene	ND	0.002	"	"	"	Windo	"	"	U
Pyrene	ND	0.020	"	"	"	Windo	"	"	U

Surrogate: Fluorene-d10	100 %	60-130	"	"	"
Surrogate: Anthracene-d10	96.1 %	60-130	"	"	"
Surrogate: Pyrene-d10	92.6 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	101 %	60-130	"	"	"

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27000 Hwy 12  
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T.J. Fernandez  
Project Number: [none]  
Project: Soils

**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 B4B1555 - EPA 5030 (soil)</b>										
<b>Blank (B4B1555-BLK1)</b>					Prepared: 02/15/2024 Analyzed: 02/16/2024					
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	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		88.9	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	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 B4B1555 - EPA 5030 (soil)</b>										
<b>LCS (B4B1555-BS1)</b>					Prepared: 02/15/2024 Analyzed: 02/16/2024					
1,2,4-Trimethylbenzene	0.109	0.00200	mg/kg	0.100		109	70-130			
1,3,5-Trimethylbenzene	0.114	0.00200	"	0.100		114	70-130			
Benzene	0.103	0.00200	"	0.100		103	70-130			
Ethylbenzene	0.114	0.00200	"	0.100		114	70-130			
Naphthalene	0.0974	0.00380	"	0.100		97.4	70-130			
Toluene	0.104	0.00200	"	0.100		104	70-130			
o-Xylene	0.106	0.00200	"	0.100		106	70-130			
m,p-Xylene	0.232	0.00400	"	0.200		116	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		88.2	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		94.6	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
Batch B4B1555 - EPA 5030 (soil)										
Matrix Spike (B4B1555-MS1)		Source: Y402350-01			Prepared: 02/15/2024 Analyzed: 02/16/2024					
1,2,4-Trimethylbenzene	0.100	0.00200	mg/kg	0.100	ND	100	70-130			
1,3,5-Trimethylbenzene	0.104	0.00200	"	0.100	ND	104	70-130			
Benzene	0.0993	0.00200	"	0.100	ND	99.3	70-130			
Ethylbenzene	0.104	0.00200	"	0.100	ND	104	70-130			
Naphthalene	0.104	0.00380	"	0.100	ND	104	70-130			
Toluene	0.0977	0.00200	"	0.100	ND	97.7	70-130			
o-Xylene	0.0987	0.00200	"	0.100	ND	98.7	70-130			
m,p-Xylene	0.213	0.00400	"	0.200	ND	106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		98.9	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.8	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		94.7	70-130			

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27000 Hwy 12  
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Project: Soils

## 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
Batch B4B1555 - EPA 5030 (soil)										
Matrix Spike Dup (B4B1555-MSD1)			Source: Y402350-01		Prepared: 02/15/2024 Analyzed: 02/16/2024					
1,2,4-Trimethylbenzene	0.0985	0.00200	mg/kg	0.100	ND	98.5	70-130	1.77	20	
1,3,5-Trimethylbenzene	0.102	0.00200	"	0.100	ND	102	70-130	2.05	20	
Benzene	0.0984	0.00200	"	0.100	ND	98.4	70-130	0.951	20	
Ethylbenzene	0.102	0.00200	"	0.100	ND	102	70-130	1.71	20	
Naphthalene	0.105	0.00380	"	0.100	ND	105	70-130	0.230	20	
Toluene	0.0969	0.00200	"	0.100	ND	96.9	70-130	0.843	20	
o-Xylene	0.0969	0.00200	"	0.100	ND	96.9	70-130	1.86	20	
m,p-Xylene	0.209	0.00400	"	0.200	ND	104	70-130	2.04	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		98.5	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		93.7	70-130			

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27000 Hwy 12  
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T.J. Fernandez  
Project Number: [none]  
Project: Soils

## 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
Batch B4B1602 - EPA 3550B										
Blank (B4B1602-BLK1)					Prepared: 02/16/2024 Analyzed: 02/23/2024					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	21		"	24.9		84.0	50-150			

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27000 Hwy 12  
Trinidad CO 81082

T.J. Fernandez  
Project Number: [none]  
Project: Soils

## 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 B4B1602 - EPA 3550B

### LCS (B4B1602-BS1)

Prepared: 02/16/2024 Analyzed: 02/23/2024

Diesel (C10-C28)	873	50.0	mg/kg	1000		87.3	70-130			
Residual Range Organics (C28-C40)	991	200	"	1000		99.1	70-130			
Surrogate: o-Terphenyl	42		"	49.8		83.8	50-150			

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27000 Hwy 12  
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T.J. Fernandez  
Project Number: [none]  
Project: Soils

## 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 B4B1602 - EPA 3550B

Matrix Spike (B4B1602-MS1)		Source: Y402350-01			Prepared: 02/16/2024 Analyzed: 02/23/2024					
Diesel (C10-C28)	880	50.0	mg/kg	1000	ND	88.0	70-130			
Residual Range Organics (C28-C40)	1010	200	"	1000	ND	101	70-130			
Surrogate: o-Terphenyl	39		"	49.8		78.4	50-150			

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T.J. Fernandez  
Project Number: [none]  
Project: Soils

## 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 B4B1602 - EPA 3550B										
Matrix Spike Dup (B4B1602-MSD1)		Source: Y402350-01			Prepared: 02/16/2024 Analyzed: 02/23/2024					
Diesel (C10-C28)	970	50.0	mg/kg	1000	ND	97.0	70-130	9.70	35	
Residual Range Organics (C28-C40)	1100	200	"	1000	ND	110	70-130	8.87	35	
Surrogate: o-Terphenyl	42		"	49.8		84.7	50-150			

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27000 Hwy 12  
Trinidad CO 81082

T.J. Fernandez  
Project Number: [none]  
Project: Soils

## 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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## EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 B4B1925 - EPA 3580

#### Blank (B4B1925-BLK1)

Prepared: 02/19/2024 Analyzed: 02/20/2024

1-Methylnaphthalene	ND	0.002	mg/kg							U
2-Methylnaphthalene	ND	0.002	"							U
Acenaphthene	ND	0.020	"							U
Anthracene	ND	0.020	"							U
Benzo (a) anthracene	ND	0.005	"							U
Benzo (a) pyrene	ND	0.020	"							U
Benzo (b) fluoranthene	ND	0.020	"							U
Benzo (g,h,i) perylene	ND	0.020	"							U
Benzo (k) fluoranthene	ND	0.020	"							U
Chrysene	ND	0.020	"							U
Dibenz (a,h) anthracene	ND	0.020	"							U
Fluoranthene	ND	0.020	"							U
Fluorene	ND	0.020	"							U
Indeno (1,2,3-cd) pyrene	ND	0.020	"							U
Naphthalene	ND	0.002	"							U
Phenanthrene	ND	0.020	"							U
Pyrene	ND	0.020	"							U
Surrogate: Fluorene-d10	200		ug/kg	200		100	60-130			
Surrogate: Anthracene-d10	200		"	200		98.4	60-130			
Surrogate: Pyrene-d10	210		"	200		103	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		100	60-130			

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27000 Hwy 12  
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T.J. Fernandez  
Project Number: [none]  
Project: Soils

**EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 B4B1925 - EPA 3580**

**LCS (B4B1925-BS1)**

Prepared: 02/19/2024 Analyzed: 02/20/2024

1-Methylnaphthalene	0.181	0.002	mg/kg	0.200		90.6	70-130
2-Methylnaphthalene	0.180	0.002	"	0.200		89.8	70-130
Acenaphthene	0.185	0.020	"	0.200		92.7	70-130
Anthracene	0.182	0.020	"	0.200		91.0	70-130
Benzo (a) anthracene	0.178	0.005	"	0.200		89.1	70-130
Benzo (a) pyrene	0.189	0.020	"	0.200		94.3	70-130
Benzo (b) fluoranthene	0.192	0.020	"	0.200		95.9	70-130
Benzo (g,h,i) perylene	0.186	0.020	"	0.200		92.8	70-130
Benzo (k) fluoranthene	0.196	0.020	"	0.200		98.0	70-130
Chrysene	0.190	0.020	"	0.200		94.8	70-130
Dibenz (a,h) anthracene	0.191	0.020	"	0.200		95.3	70-130
Fluoranthene	0.183	0.020	"	0.200		91.3	70-130
Fluorene	0.188	0.020	"	0.200		94.0	70-130
Indeno (1,2,3-cd) pyrene	0.219	0.020	"	0.200		110	70-130
Naphthalene	0.188	0.002	"	0.200		93.9	70-130
Phenanthrene	0.185	0.020	"	0.200		92.3	70-130
Pyrene	0.191	0.020	"	0.200		95.4	70-130

Surrogate: Fluorene-d10	200		ug/kg	200		99.9	60-130
Surrogate: Anthracene-d10	200		"	200		98.7	60-130
Surrogate: Pyrene-d10	210		"	200		103	60-130
Surrogate: Benzo (a) pyrene-d12	200		"	200		101	60-130

**Matrix Spike (B4B1925-MS1)**

**Source: Y402444-01**

Prepared: 02/19/2024 Analyzed: 02/20/2024

1-Methylnaphthalene	0.228	0.002	mg/kg	0.200	ND	114	70-130
2-Methylnaphthalene	0.228	0.002	"	0.200	ND	114	70-130
Acenaphthene	0.234	0.020	"	0.200	ND	117	70-130
Anthracene	0.231	0.020	"	0.200	0.001	115	70-130

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Evergreen Natural Resources LLC  
27000 Hwy 12  
Trinidad CO 81082

T.J. Fernandez  
Project Number: [none]  
Project: Soils

**EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 B4B1925 - EPA 3580**

Matrix Spike (B4B1925-MS1)		Source: Y402444-01			Prepared: 02/19/2024 Analyzed: 02/20/2024					
Benzo (a) anthracene	0.235	0.005	mg/kg	0.200	0.0004	117	70-130			
Benzo (a) pyrene	0.241	0.020	"	0.200	ND	120	70-130			
Benzo (b) fluoranthene	0.246	0.020	"	0.200	ND	123	70-130			
Benzo (g,h,i) perylene	0.237	0.020	"	0.200	0.0006	118	70-130			
Benzo (k) fluoranthene	0.219	0.020	"	0.200	ND	110	70-130			
Chrysene	0.239	0.020	"	0.200	ND	119	70-130			
Dibenz (a,h) anthracene	0.234	0.020	"	0.200	ND	117	70-130			
Fluoranthene	0.226	0.020	"	0.200	ND	113	70-130			
Fluorene	0.237	0.020	"	0.200	ND	119	70-130			
Indeno (1,2,3-cd) pyrene	0.240	0.020	"	0.200	ND	120	70-130			
Naphthalene	0.249	0.002	"	0.200	ND	124	70-130			
Phenanthrene	0.232	0.020	"	0.200	ND	116	70-130			
Pyrene	0.248	0.020	"	0.200	ND	124	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		100	60-130			
Surrogate: Anthracene-d10	200		"	200		97.9	60-130			
Surrogate: Pyrene-d10	210		"	200		106	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		100	60-130			

Matrix Spike Dup (B4B1925-MSD1)		Source: Y402444-01			Prepared: 02/19/2024 Analyzed: 02/20/2024					
1-Methylnaphthalene	0.191	0.002	mg/kg	0.200	ND	95.5	70-130	17.5	20	
2-Methylnaphthalene	0.190	0.002	"	0.200	ND	95.0	70-130	18.0	20	
Acenaphthene	0.195	0.020	"	0.200	ND	97.6	70-130	18.0	20	
Anthracene	0.194	0.020	"	0.200	0.001	96.2	70-130	17.6	20	
Benzo (a) anthracene	0.201	0.005	"	0.200	0.0004	100	70-130	16.0	20	
Benzo (a) pyrene	0.197	0.020	"	0.200	ND	98.6	70-130	19.8	20	
Benzo (b) fluoranthene	0.192	0.020	"	0.200	ND	96.1	70-130	24.6	20	QR-02
Benzo (g,h,i) perylene	0.187	0.020	"	0.200	0.0006	93.3	70-130	23.6	20	QR-02

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Trinidad CO 81082

T.J. Fernandez  
Project Number: [none]  
Project: Soils

**EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B4B1925 - EPA 3580</b>										
<b>Matrix Spike Dup (B4B1925-MSD1)</b>		<b>Source: Y402444-01</b>			Prepared: 02/19/2024 Analyzed: 02/20/2024					
Benzo (k) fluoranthene	0.185	0.020	mg/kg	0.200	ND	92.5	70-130	17.0	20	
Chrysene	0.197	0.020	"	0.200	ND	98.7	70-130	19.0	20	
Dibenz (a,h) anthracene	0.192	0.020	"	0.200	ND	96.1	70-130	19.8	20	
Fluoranthene	0.187	0.020	"	0.200	ND	93.5	70-130	19.1	20	
Fluorene	0.198	0.020	"	0.200	ND	99.1	70-130	18.0	20	
Indeno (1,2,3-cd) pyrene	0.197	0.020	"	0.200	ND	98.6	70-130	19.8	20	
Naphthalene	0.198	0.002	"	0.200	ND	98.8	70-130	22.8	20	QR-02
Phenanthrene	0.189	0.020	"	0.200	ND	94.4	70-130	20.7	20	QR-02
Pyrene	0.198	0.020	"	0.200	ND	99.1	70-130	22.2	20	QR-02
Surrogate: Fluorene-d10	200		ug/kg	200		100	60-130			
Surrogate: Anthracene-d10	190		"	200		97.2	60-130			
Surrogate: Pyrene-d10	210		"	200		103	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		100	60-130			

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T.J. Fernandez  
Project Number: [none]  
Project: Soils

### Notes and Definitions

U Sample is Non-Detect.

QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

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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