

June 05, 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. May 31, 2024. This project is associated with Origins project number Y405858-01.

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



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
Black Gold 32-33 SS3	Y405858-01	Soil	May 30, 2024 11:10	05/31/2024 09:30
Black Gold 32-33 SS1	Y405858-02	Soil	May 30, 2024 11:10	05/31/2024 09:30
Black Gold 32-33 SS5	Y405858-03	Soil	May 30, 2024 11:10	05/31/2024 09:30

Origins Laboratory, Inc.



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Evergreen Natural Resources LLC
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 Trinidad CO 81082

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

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page of

ORIGINS
 LABORATORY, INC

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

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

Fax: 303.265.9645 | Phone: 303.433.1322 | Denver, CO 80211 | 1725 Elk Place

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Art. Summa #		
Black Gold 32-33 SS3	5/30/2024	1110	1					X			pH	1
Black Gold 32-33 SS1	5/30/2024	1110	1					X			Barium	2
Black Gold 32-33 SS5	5/30/2024	1110	1					X			pH	3
												4
												5
												6
												7
												8
												9
												10
Relinquished By: T. Fernandez	Date: 5-30-24	Time: 1600	Time: 1600	Received By: <i>[Signature]</i>	Date: 5/31/24	Time: 1400	Turnaround Time: 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input checked="" type="checkbox"/>	Relinquished By:	Date:	Time:		

Date Results Needed

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

Origins Laboratory

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

50 Sample Receipt Checklist

Origins Work Order: 4405802

Client: Evergreen

Client Project ID: Soils

Checklist Completed by: TSH/

Shipped Via: FedEx

Date/time completed: 5/31/24

(UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Airbill #: N/A

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

Cooler Number/Temperature: 1/1 °C _____ °C _____ °C (Describe)


Thermometer ID: TO05

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	/			
Is there ice present (document if blue ice is used)	/			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	/			signed, dated, intact
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)			/	
Were all samples received intact ⁽¹⁾ ?	/			
Was adequate sample volume provided ⁽¹⁾ ?	/			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		/		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?		/		
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	/			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	/			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	/			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			/	
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 HNO ₃ , HCl, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)			/	
Additional Comments (if any): <u>No project manager or project name</u>				

⁽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) JAP

Date/Time Reviewed 6/13/24

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

Black Gold 32-33 SS3
5/30/2024 11:10:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405858-01 (Soil)

pH in Soil by 9045D

pH	7.67		pH Units	1	B4F0313	EAL	06/03/2024	06/03/2024	
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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

Black Gold 32-33 SS1
5/30/2024 11:10:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405858-02 (Soil)

Table 915 metals by EPA 6020B

Barium	686	9.58	mg/kg	10	B4E3042	HJD	05/31/2024	06/01/2024	
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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

Black Gold 32-33 SS5
5/30/2024 11:10:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405858-03 (Soil)

pH in Soil by 9045D

pH	7.69		pH Units	1	B4F0313	EAL	06/03/2024	06/03/2024	
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Evergreen Natural Resources LLC
 27000 Hwy 12
 Trinidad CO 81082

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

Metals by EPA 6000/7000 Series Methods - 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 B4E3042 - EPA 3050B

Blank (B4E3042-BLK1)

Prepared: 05/31/2024 Analyzed: 06/01/2024

Arsenic	ND	0.290	mg/kg							
Barium	ND	10.0	"							
Cadmium	ND	0.100	"							
Copper	ND	10.0	"							
Lead	ND	1.00	"							
Nickel	ND	1.00	"							
Selenium	ND	0.260	"							
Silver	ND	0.100	"							
Zinc	ND	37.0	"							

LCS (B4E3042-BS1)

Prepared: 05/31/2024 Analyzed: 06/01/2024

Arsenic	5.72	0.290	mg/kg	5.00		114	80-120			
Barium	527	10.0	"	500		105	80-120			
Cadmium	5.36	0.100	"	5.00		107	80-120			
Copper	55.8	10.0	"	50.0		112	80-120			
Lead	5.21	1.00	"	5.00		104	80-120			
Nickel	5.42	1.00	"	5.00		108	80-120			
Selenium	10.5	0.260	"	9.50		111	80-120			
Silver	4.98	0.100	"	5.00		99.7	80-120			
Zinc	55.1	37.0	"	50.0		110	80-120			

Matrix Spike (B4E3042-MS1)

Source: Y405834-01

Prepared: 05/31/2024 Analyzed: 06/01/2024

Arsenic	10.3	0.247	mg/kg	4.26	5.57	111	75-125			
Barium	652	8.53	"	426	219	102	75-125			
Cadmium	4.83	0.0853	"	4.26	0.194	109	75-125			
Copper	63.2	8.53	"	42.6	16.2	110	75-125			
Lead	15.8	0.853	"	4.26	11.7	95.9	75-125			

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 Project: Soils

Metals by EPA 6000/7000 Series Methods - 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 B4E3042 - EPA 3050B

Matrix Spike (B4E3042-MS1)

Source: Y405834-01

Prepared: 05/31/2024 Analyzed: 06/01/2024

Nickel	20.5	0.853	mg/kg	4.26	16.5	93.1	75-125			
Selenium	9.30	0.222	"	8.10	0.118	113	75-125			
Silver	4.46	0.0853	"	4.26	0.0457	104	75-125			
Zinc	100	31.6	"	42.6	57.3	101	75-125			

Matrix Spike Dup (B4E3042-MSD1)

Source: Y405834-01

Prepared: 05/31/2024 Analyzed: 06/01/2024

Arsenic	11.4	0.274	mg/kg	4.72	5.57	125	75-125	10.7	20	
Barium	751	9.44	"	472	219	113	75-125	14.2	20	
Cadmium	5.46	0.0944	"	4.72	0.194	112	75-125	12.2	20	
Copper	71.8	9.44	"	47.2	16.2	118	75-125	12.6	20	
Lead	17.3	0.944	"	4.72	11.7	118	75-125	9.01	20	
Nickel	22.6	0.944	"	4.72	16.5	129	75-125	9.93	20	QM-07
Selenium	9.81	0.245	"	8.97	0.118	108	75-125	5.35	20	
Silver	5.04	0.0944	"	4.72	0.0457	106	75-125	12.2	20	
Zinc	112	34.9	"	47.2	57.3	115	75-125	10.7	20	

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 Project Number: [none]
 Project: Soils

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 B4F0313 - Saturated Paste pH/EC

Duplicate (B4F0313-DUP1)

Source: Y405714-01

Prepared: 06/03/2024 Analyzed: 06/03/2024

pH	7.95		pH Units		8.31			4.43	25	
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27000 Hwy 12
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T.J. Fernandez
Project Number: [none]
Project: Soils

Notes and Definitions

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

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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