



Fundare

Levi Kirk

1613 Propect Park Way Suite 120

Fort Collins CO 80525

February 25, 2025

**Project Name - Horsetail 07F**

**Project Number - Horsetail 07F**

Attached are your analytical results for Horsetail 07F received by Origins Laboratory February 18, 2025. This project is associated with Origins project number E5B0453-01.

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  
303.433.1322  
projectmanager@originslab.com



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



Fundare

1613 Propect Park Way Suite 120

Fort Collins CO 80525

Levi Kirk

Project Number: Horsetail 07F

Project: Horsetail 07F

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-23@6'	E5B0453-01	Soil	February 17, 2025 10:30	02/18/2025 14:41
SB-24@6'	E5B0453-02	Soil	February 17, 2025 11:00	02/18/2025 14:41
SB-25@6'	E5B0453-03	Soil	February 17, 2025 11:30	02/18/2025 14:41
SB-26@6'	E5B0453-04	Soil	February 17, 2025 12:00	02/18/2025 14:41
SB-27@6'	E5B0453-05	Soil	February 17, 2025 12:30	02/18/2025 14:41
SB-28@6'	E5B0453-06	Soil	February 17, 2025 13:00	02/18/2025 14:41
SB-29@6'	E5B0453-07	Soil	February 17, 2025 13:30	02/18/2025 14:41
SB-30@6'	E5B0453-08	Soil	February 17, 2025 14:00	02/18/2025 14:41

Origins Laboratory

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1613 Propect Park Way Suite 120  
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Levi Kirk  
Project Number: Horsetail 07F  
Project: Horsetail 07F

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

**Client:** Fundare Sampling  
**Address:** 1613 Prospect Park Way Suite 120  
**Telephone Number:** 970-237-1415  
**Email Address:** Fundare@marconline.net

**Project Manager:** Levi Kirk  
**Project Name:** Horsetail 07F  
**Project Number:** Horsetail 07F  
**Samples Collected By:** Levi Kirk

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix	Analysis	Sample Instructions
				Unpreserved	HCl	HNO <sub>3</sub>	Other (Ice)			
SB-2306	2/17/05	10:30	2			X			SAR, EC, PH	1
SB-2406		11:00								2
SB-2506		11:30								3
SB-2606		12:00								4
SB-2706		12:30								5
SB-2806		1:00								6
SB-2906		1:30								7
SB-3006		2:00								8
										9
										10

**Relinquished By:** [Signature]  
**Date:** 2/18/05  
**Time:** 1441

**Received By:** VS  
**Date:** 2/18/05  
**Time:** 1441

**Turnaround Time:**  
48 Hr ☐ 24 Hr ☐ 72 Hr ☐  
Standard ☒

Date Results Needed

**ORIGINS**  
LABORATORY, INC

ESB0453

www.originslaboratory.com

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Origins Laboratory

*EH*

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Levi Kirk  
Project Number: Horsetail 07F  
Project: Horsetail 07F

Origins Laboratory

## Sample Receipt Checklist

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

Origins Work Order: ESP0453

Client: Fundare

Client Project ID: Horsetail 07F

Checklist Completed by: SKM / JKR

Shipped Via: TD  
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 02/18/25

Airbill #: N/A

Matrix(s) Received: (Check all that apply): ☒ Soil/Solid ☐ Water ☐ Other: \_\_\_\_\_

Cooler Number/Temperature: 1 / 0.5 °C 1 °C 1 °C (Describe) 1 °C

Thermometer ID: T-007

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 checked="" 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 checked="" 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 checked="" 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 checked="" 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 checked="" 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) AK

2/19/25  
Date/Time Reviewed

Origins Laboratory

*EHO*

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Fundare  
1613 Propect Park Way Suite 120  
Fort Collins CO 80525

Levi Kirk  
Project Number: Horsetail 07F  
Project: Horsetail 07F

SB-23@6'

2/17/2025 10:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
**E5B0453-01 (Soil)**

**Metals by Saturated Paste by EPA 6010**

Calcium	11.0	0.499	meq/L	10	[CALC]	02/18/2025	02/20/2025
Magnesium	2.70	0.823	"	"	"	"	"
Sodium	11.5	0.435	"	"	"	"	"

**pH in Soil by 9045D**

pH	7.88		pH Units	1	B5B1829	02/18/2025	02/20/2025
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**SAR by 20B Saturated Paste**

SAR	4.39	0.0100	SAR	1	B5B1825	02/18/2025	02/20/2025
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	2.87	0.00500	mmhos/cm	1	B5B1829	02/18/2025	02/20/2025
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Project Number: Horsetail 07F

Project: Horsetail 07F

SB-24@6'

2/17/2025 11:00:00AM

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

E5B0453-02 (Soil)

#### Metals by Saturated Paste by EPA 6010

Calcium	0.970	0.499	meq/L	10	[CALC]	02/18/2025	02/20/2025
Magnesium	ND	0.823	"	"	"	"	"
Sodium	2.82	0.435	"	"	"	"	"

#### pH in Soil by 9045D

pH	8.30		pH Units	1	B5B1829	02/18/2025	02/20/2025
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#### SAR by 20B Saturated Paste

SAR	3.45	0.0100	SAR	1	B5B1825	02/18/2025	02/20/2025
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#### Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.483	0.00500	mmhos/cm	1	B5B1829	02/18/2025	02/20/2025
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Project Number: Horsetail 07F

Project: Horsetail 07F

SB-25@6'

2/17/2025 11:30:00AM

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

E5B0453-03 (Soil)

### Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]	02/18/2025	02/20/2025
Magnesium	ND	0.823	"	"	"	"	"
Sodium	8.42	0.435	"	"	"	"	"

### pH in Soil by 9045D

pH	9.34		pH Units	1	B5B1829	02/18/2025	02/20/2025
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### SAR by 20B Saturated Paste

SAR	15.8	0.0100	SAR	1	B5B1825	02/18/2025	02/20/2025
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### Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.775	0.00500	mmhos/cm	1	B5B1829	02/18/2025	02/20/2025
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Project Number: Horsetail 07F

Project: Horsetail 07F

SB-26@6'

2/17/2025 12:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory

E5B0453-04 (Soil)

### Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]	02/18/2025	02/20/2025
Magnesium	ND	0.823	"	"	"	"	"
Sodium	7.45	0.435	"	"	"	"	"

### pH in Soil by 9045D

pH	8.97		pH Units	1	B5B1829	02/18/2025	02/20/2025
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### SAR by 20B Saturated Paste

SAR	20.9	0.0100	SAR	1	B5B1825	02/18/2025	02/20/2025
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### Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.714	0.00500	mmhos/cm	1	B5B1829	02/18/2025	02/20/2025
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Project Number: Horsetail 07F  
Project: Horsetail 07F

SB-27@6'

2/17/2025 12:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
**E5B0453-05 (Soil)**

**Metals by Saturated Paste by EPA 6010**

Calcium	ND	0.499	meq/L	10	[CALC]	02/18/2025	02/20/2025
Magnesium	ND	0.823	"	"	"	"	"
Sodium	3.54	0.435	"	"	"	"	"

**pH in Soil by 9045D**

pH	8.50		pH Units	1	B5B1829	02/18/2025	02/20/2025
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**SAR by 20B Saturated Paste**

SAR	6.29	0.0100	SAR	1	B5B1825	02/18/2025	02/20/2025
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.406	0.00500	mmhos/cm	1	B5B1829	02/18/2025	02/20/2025
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Project Number: Horsetail 07F

Project: Horsetail 07F

SB-28@6'

2/17/2025 1:00:00PM

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

E5B0453-06 (Soil)

#### Metals by Saturated Paste by EPA 6010

Calcium	1.48	0.499	meq/L	10	[CALC]	02/18/2025	02/20/2025
Magnesium	0.943	0.823	"	"	"	"	"
Sodium	14.4	0.435	"	"	"	"	"

#### pH in Soil by 9045D

pH	8.34		pH Units	1	B5B1829	02/18/2025	02/20/2025
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#### SAR by 20B Saturated Paste

SAR	13.1	0.0100	SAR	1	B5B1825	02/18/2025	02/20/2025
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#### Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.80	0.00500	mmhos/cm	1	B5B1829	02/18/2025	02/20/2025
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Project Number: Horsetail 07F

Project: Horsetail 07F

SB-29@6'

2/17/2025 1:30:00PM

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

E5B0453-07 (Soil)

#### Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]	02/18/2025	02/20/2025
Magnesium	ND	0.823	"	"	"	"	"
Sodium	13.5	0.435	"	"	"	"	"

#### pH in Soil by 9045D

pH	8.61		pH Units	1	B5B1829	02/18/2025	02/20/2025
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#### SAR by 20B Saturated Paste

SAR	21.4	0.0100	SAR	1	B5B1825	02/18/2025	02/20/2025
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#### Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.56	0.00500	mmhos/cm	1	B5B1829	02/18/2025	02/20/2025
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1613 Propect Park Way Suite 120

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Project Number: Horsetail 07F

Project: Horsetail 07F

SB-30@6'

2/17/2025 2:00:00PM

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

E5B0453-08 (Soil)

#### Metals by Saturated Paste by EPA 6010

Calcium	10.2	0.499	meq/L	10	[CALC]	02/18/2025	02/20/2025
Magnesium	5.63	0.823	"	"	"	"	"
Sodium	16.6	0.435	"	"	"	"	"

#### pH in Soil by 9045D

pH	8.01		pH Units	1	B5B1829	02/18/2025	02/20/2025
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#### SAR by 20B Saturated Paste

SAR	5.92	0.0100	SAR	1	B5B1825	02/18/2025	02/20/2025
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#### Specific Conductance Mod. 9050A

Specific Conductance (EC)	3.08	0.00500	mmhos/cm	1	B5B1829	02/18/2025	02/20/2025
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Project Number: Horsetail 07F  
Project: Horsetail 07F

**Classical Chemistry Parameters - Quality Control**  
**Origins Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B5B1825 - Saturated Paste Metals**

**Blank (B5B1825-BLK1)**

Prepared: 02/18/2025 Analyzed: 02/20/2025

SAR	ND	0.0100	SAR
Calcium PPM	ND	10.0	mg/L
Magnesium PPM	ND	10.0	"
Sodium PPM	ND	10.0	"

**Duplicate (B5B1825-DUP1)**

**Source: E5B0452-04**

Prepared: 02/18/2025 Analyzed: 02/20/2025

SAR	ND	0.0100	SAR	1.82		200
Calcium PPM	136	10.0	mg/L	120	12.5	50
Magnesium PPM	25.6	10.0	"	22.6	12.5	50
Sodium PPM	95.3	10.0	"	82.9	14.0	50

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Project Number: Horsetail 07F  
Project: Horsetail 07F

**Saturated Paste - Quality Control**  
**Origins Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B5B1829 - Saturated Paste pH/EC</b>										
<b>Blank (B5B1829-BLK1)</b>					Prepared: 02/18/2025 Analyzed: 02/20/2025					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							
pH	0.00		pH Units							
<b>Duplicate (B5B1829-DUP1)</b>					<b>Source: E5B0452-04</b> Prepared: 02/18/2025 Analyzed: 02/20/2025					
Specific Conductance (EC)	1.32	0.00500	mmhos/cm		1.33			1.03	25	
pH	8.06		pH Units		8.06			0.00	25	

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Project Number: Horsetail 07F

Project: Horsetail 07F

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### Notes and Definitions

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

A handwritten signature in black ink, appearing to be "EHO".

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