

June 14, 2024

Fundare

Levi Kirk

1613 Propect Park Way Suite 120

Fort Collins CO 80525

Project Name - Horsetail 07F

Project Number - [none]

Attached are your analytical results for Horsetail 07F received by Origins Laboratory, Inc. May 29, 2024. This project is associated with Origins project number Y405790-01.

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



Fundare  
 1613 Propect Park Way Suite 120  
 Fort Collins CO 80525

Levi Kirk  
 Project Number: [none]  
 Project: Horsetail 07F

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-8@3'	Y405790-01	Soil	May 29, 2024 8:10	05/29/2024 11:20
SB-8@6'	Y405790-02	Soil	May 29, 2024 8:15	05/29/2024 11:20
SB-9@3'	Y405790-03	Soil	May 29, 2024 8:20	05/29/2024 11:20
SB-9@6'	Y405790-04	Soil	May 29, 2024 8:25	05/29/2024 11:20
SB-10@3'	Y405790-05	Soil	May 29, 2024 8:30	05/29/2024 11:20
SB-10@6'	Y405790-06	Soil	May 29, 2024 8:35	05/29/2024 11:20
SB-11@3'	Y405790-07	Soil	May 29, 2024 8:40	05/29/2024 11:20
SB-11@6'	Y405790-08	Soil	May 29, 2024 8:45	05/29/2024 11:20
SB-12@3'	Y405790-09	Soil	May 29, 2024 8:50	05/29/2024 11:20
SB-12@6'	Y405790-10	Soil	May 29, 2024 8:55	05/29/2024 11:20
SB-13@3'	Y405790-11	Soil	May 29, 2024 9:00	05/29/2024 11:20
SB-13@6'	Y405790-12	Soil	May 29, 2024 9:05	05/29/2024 11:20

Origins Laboratory, Inc.



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Fundare  
 1613 Propect Park Way Suite 120  
 Fort Collins CO 80525

Levi Kirk  
 Project Number: [none]  
 Project: Horsetail 07F

# ORIGINS

ORIGINS WORK ORDER #

**Y405790**

Page 1 of 2

LABORATORY INC  
 Client: Fundare

Project Manager: Levi Kirk

Key:

Address: 1613 Prospect Plkwy Ste. 120

Project Name: Horsetail 07F

W=Water

Project Number:

GW=Groundwater

Telephone Number: 970-237-1415

Collected By: ES & BR

SW=Surface Water

Email Address: L.Kirk@wtccomllc.net

Invoice Billing Info: send to: nhamkirk@wtccomllc.net

WW=Waste Water

S=Soil | SO=Solid | O=Oil | A=Air | G=Gas | UNP=Unpres | HCL=Hydrochloric | HNO3=Nitric | H2SO4=Sulfuric | NaOH=Sodium Hydroxide

#	Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix	Preservative	Analysis				Comments	
1	SB-803	5/29/24	8:10	2	S	NM & X						
2	SB-806		8:15									
3	SB-903		8:20									
4	SB-906		8:25									
5	SB-1003		8:30									
6	SB-1006		8:35									
7	SB-1103		8:40									
8	SB-1106		8:45									
9	SB-1203		8:50									
10	SB-1206		8:55									

Relinquished By: <u>[Signature]</u>	Date: <u>5/29/24</u>	Time: <u>11:20</u>	Received By: <u>[Signature]</u>	Date: <u>5/29/24</u>	Time: <u>11:20</u>
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

For Lab Sample Receiving Only:

1725 Elk Place Denver, Co. 80211 | # 303.433.1322 | originslab.com |

Temp Received- 20.6 Received On Ice?  Yes  No

Turnaround Time  
 SAME DAY  
 24 Hr  
 48 Hr  
 72 Hr  
 Standard

Origins Laboratory, Inc.

*J. Bynon*

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Fundare  
 1613 Propect Park Way Suite 120  
 Fort Collins CO 80525

Levi Kirk  
 Project Number: [none]  
 Project: Horsetail 07F

Origins Laboratory

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

**Sample Receipt Checklist**

Origins Work Order: K405790 Client: Fundare  
 Client Project ID: Horsetail 07F  
 Checklist Completed by: SA 1 Shipped Via: HD  
 Date/time completed: 5/29/24 (UPS, FedEx, Hand Delivered, Pick-up, etc.)  
 Airbill #: N/A  
 Matrix(s) Received: (Check all that apply):  Soil/Solid  Water  Other: \_\_\_\_\_  
 Cooler Number/Temperature: 1 120.6 °c \_\_\_\_\_ °c \_\_\_\_\_ °c (Describe) \_\_\_\_\_ °c  
 Thermometer ID: TC05

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? <b>If yes, contact client and note in narrative.</b>			<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):				

<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) [Signature] Date/Time Reviewed 5/29/24

Origins Laboratory, Inc.

[Signature]

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Fundare  
 1613 Propect Park Way Suite 120  
 Fort Collins CO 80525

Levi Kirk  
 Project Number: [none]  
 Project: Horsetail 07F

**SB-8@3'**

**5/29/2024 8:10:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y405790-01 (Soil)**

**Metals by Saturated Paste by EPA 6010**

Calcium	1.09	0.499	meq/L	10	[CALC]	ACC	05/30/2024	05/31/2024
Magnesium	ND	0.823	"	"	"	ACC	"	"
Sodium	6.24	0.435	"	"	"	ACC	"	"

**SAR by 20B Saturated Paste**

SAR	7.12	0.0100	SAR	1	B4E3020	ACC	"	"
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Origins Laboratory, Inc.



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Fundare  
1613 Propect Park Way Suite 120  
Fort Collins CO 80525

Levi Kirk  
Project Number: [none]  
Project: Horsetail 07F

**SB-8@6'**

**5/29/2024 8:15:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y405790-02 (Soil)**

**Metals by Saturated Paste by EPA 6010**

Calcium	24.6	0.499	meq/L	10	[CALC]	ACC	05/30/2024	05/31/2024
Magnesium	7.72	0.823	"	"	"	ACC	"	"
Sodium	17.0	0.435	"	"	"	ACC	"	"

**SAR by 20B Saturated Paste**

SAR	4.22	0.0100	SAR	1	B4E3020	ACC	"	"
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Origins Laboratory, Inc.



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Fundare  
 1613 Propect Park Way Suite 120  
 Fort Collins CO 80525

Levi Kirk  
 Project Number: [none]  
 Project: Horsetail 07F

**SB-9@3'**

**5/29/2024 8:20:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.  
 Y405790-03 (Soil)**

**Metals by Saturated Paste by EPA 6010**

Calcium	<b>0.876</b>	0.499	meq/L	10	[CALC]	ACC	05/30/2024	05/31/2024
Magnesium	ND	0.823	"	"	"	ACC	"	"
Sodium	<b>2.90</b>	0.435	"	"	"	ACC	"	"

**SAR by 20B Saturated Paste**

SAR	<b>3.65</b>	0.0100	SAR	1	B4E3020	ACC	"	"
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Origins Laboratory, Inc.



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Fundare  
1613 Propect Park Way Suite 120  
Fort Collins CO 80525

Levi Kirk  
Project Number: [none]  
Project: Horsetail 07F

**SB-9@6'**

**5/29/2024 8:25:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y405790-04 (Soil)**

**Metals by Saturated Paste by EPA 6010**

Calcium	<b>0.534</b>	0.499	meq/L	10	[CALC]	ACC	05/30/2024	05/31/2024
Magnesium	ND	0.823	"	"	"	ACC	"	"
Sodium	<b>3.93</b>	0.435	"	"	"	ACC	"	"

**SAR by 20B Saturated Paste**

SAR	<b>6.53</b>	0.0100	SAR	1	B4E3020	ACC	"	"
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Levi Kirk  
 Project Number: [none]  
 Project: Horsetail 07F

**SB-10@3'**

**5/29/2024 8:30:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.  
 Y405790-05 (Soil)**

**Metals by Saturated Paste by EPA 6010**

Calcium	1.40	0.499	meq/L	10	[CALC]	ACC	05/30/2024	05/31/2024
Magnesium	ND	0.823	"	"	"	ACC	"	"
Sodium	1.56	0.435	"	"	"	ACC	"	"

**SAR by 20B Saturated Paste**

SAR	1.63	0.0100	SAR	1	B4E3020	ACC	"	"
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Fundare  
1613 Propect Park Way Suite 120  
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Levi Kirk  
Project Number: [none]  
Project: Horsetail 07F

**SB-10@6'**

**5/29/2024 8:35:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y405790-06 (Soil)**

**Metals by Saturated Paste by EPA 6010**

Calcium	1.11	0.499	meq/L	10	[CALC]	ACC	05/30/2024	05/31/2024
Magnesium	ND	0.823	"	"	"	ACC	"	"
Sodium	1.78	0.435	"	"	"	ACC	"	"

**SAR by 20B Saturated Paste**

SAR	2.03	0.0100	SAR	1	B4E3020	ACC	"	"
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Fundare  
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 Fort Collins CO 80525

Levi Kirk  
 Project Number: [none]  
 Project: Horsetail 07F

**SB-11@3'**

**5/29/2024 8:40:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y405790-07 (Soil)**

**Metals by Saturated Paste by EPA 6010**

Calcium	0.576	0.499	meq/L	10	[CALC]	ACC	05/30/2024	05/31/2024
Magnesium	ND	0.823	"	"	"	ACC	"	"
Sodium	6.25	0.435	"	"	"	ACC	"	"

**SAR by 20B Saturated Paste**

SAR	10.2	0.0100	SAR	1	B4E3020	ACC	"	"
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Fundare  
 1613 Propect Park Way Suite 120  
 Fort Collins CO 80525

Levi Kirk  
 Project Number: [none]  
 Project: Horsetail 07F

SB-11@6'

5/29/2024 8:45:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
 Y405790-08 (Soil)

**Metals by Saturated Paste by EPA 6010**

Calcium	2.87	0.499	meq/L	10	[CALC]	ACC	05/30/2024	05/31/2024
Magnesium	1.10	0.823	"	"	"	ACC	"	"
Sodium	13.2	0.435	"	"	"	ACC	"	"

**SAR by 20B Saturated Paste**

SAR	9.37	0.0100	SAR	1	B4E3020	ACC	"	"
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Levi Kirk  
 Project Number: [none]  
 Project: Horsetail 07F

**SB-12@3'**

**5/29/2024 8:50:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y405790-09 (Soil)**

**Metals by Saturated Paste by EPA 6010**

Calcium	<b>0.806</b>	0.499	meq/L	10	[CALC]	ACC	05/30/2024	05/31/2024
Magnesium	ND	0.823	"	"	"	ACC	"	"
Sodium	<b>4.84</b>	0.435	"	"	"	ACC	"	"

**SAR by 20B Saturated Paste**

SAR	<b>6.60</b>	0.0100	SAR	1	B4E3020	ACC	"	"
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Fundare  
 1613 Propect Park Way Suite 120  
 Fort Collins CO 80525

Levi Kirk  
 Project Number: [none]  
 Project: Horsetail 07F

**SB-12@6'**

**5/29/2024 8:55:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.  
 Y405790-10 (Soil)**

**Metals by Saturated Paste by EPA 6010**

Calcium	ND	0.499	meq/L	10	[CALC]	ACC	05/30/2024	05/31/2024
Magnesium	ND	0.823	"	"	"	ACC	"	"
Sodium	<b>8.54</b>	0.435	"	"	"	ACC	"	"

**SAR by 20B Saturated Paste**

SAR	<b>19.1</b>	0.0100	SAR	1	B4E3020	ACC	"	"
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Fundare  
1613 Propect Park Way Suite 120  
Fort Collins CO 80525

Levi Kirk  
Project Number: [none]  
Project: Horsetail 07F

**SB-13@3'**

**5/29/2024 9:00:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
Y405790-11 (Soil)

**Metals by Saturated Paste by EPA 6010**

Calcium	ND	0.499	meq/L	10	[CALC]	ACC	05/30/2024	05/31/2024
Magnesium	ND	0.823	"	"	"	ACC	"	"
Sodium	6.12	0.435	"	"	"	ACC	"	"

**SAR by 20B Saturated Paste**

SAR	11.6	0.0100	SAR	1	B4E3020	ACC	"	"
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Fundare  
 1613 Propect Park Way Suite 120  
 Fort Collins CO 80525

Levi Kirk  
 Project Number: [none]  
 Project: Horsetail 07F

**SB-13@6'**

**5/29/2024 9:05:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.  
 Y405790-12 (Soil)**

**Metals by Saturated Paste by EPA 6010**

Calcium	<b>0.632</b>	0.499	meq/L	10	[CALC]	ACC	05/30/2024	05/31/2024
Magnesium	ND	0.823	"	"	"	ACC	"	"
Sodium	<b>5.51</b>	0.435	"	"	"	ACC	"	"

**SAR by 20B Saturated Paste**

SAR	<b>8.49</b>	0.0100	SAR	1	B4E3020	ACC	"	"
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Levi Kirk  
 Project Number: [none]  
 Project: Horsetail 07F

**Classical Chemistry Parameters - 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 B4E3020 - Saturated Paste Metals**

**Blank (B4E3020-BLK1)**

Prepared: 05/30/2024 Analyzed: 05/31/2024

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

**Duplicate (B4E3020-DUP1)**

**Source: Y405785-01**

Prepared: 05/30/2024 Analyzed: 05/31/2024

SAR	ND	0.0100	SAR		1.62				200	
Calcium PPM	60.6	10.0	mg/L		57.8			4.59	50	
Magnesium PPM	20.9	10.0	"		20.0			4.74	50	
Sodium PPM	58.2	10.0	"		56.0			3.98	50	

Origins Laboratory, Inc.



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Fundare

1613 Propect Park Way Suite 120

Fort Collins CO 80525

Levi Kirk

Project Number: [none]

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 at a wet weight basis.

Origins Laboratory, Inc.



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