

September 12, 2023

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. August 29, 2023. This project is associated with Origins project number Y308753-01.

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
SS-1@1'	Y308753-01	Soil	August 28, 2023 12:10	08/29/2023 15:14
SS-2@1'	Y308753-02	Soil	August 28, 2023 12:15	08/29/2023 15:14
SS-3@1'	Y308753-03	Soil	August 28, 2023 12:20	08/29/2023 15:14

Origins Laboratory, Inc.



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Fundare
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 Fort Collins CO 80525

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

www.originslaboratory.com

1308753

page 1 of 1

ORIGINS
 LABORATORY, INC

Client: Fundare - Bill To MarCom
 Address: 1613 Prospect Park Way Suite 120
 Telephone Number: 970-237-1415
 Email Address: Fundare@marcominc.net
 Project Manager: Levi Kirk
 Project Name: Horsetail/07F
 Project Number: —
 Samples Collected By: BR + ES

Thank @ marcom inc net

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions	
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa #			Other
SS-10 10/18	8-28-23	1210	2	X				X				Full Table q15	1
SS-20 10/18	1	1215	1	L								I	2
SS-30 10/18	1	1220	1	L									3
													4
													5
													6
													7
													8
													9
													10

Relinquished by: [Signature]
 Relinquished by: [Signature]

Date: 8/29/23
 Time: 1514

Received By: [Signature]
 Received By: [Signature]

Date: 8/29/23
 Time: 1514

Turnaround Time:
 Same Day 24 Hr
 48 Hr 72 Hr
 Standard

17A

Date Results Needed

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

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: V308753

Client: Fundare
 Client Project ID: Horsetail 07F

Checklist Completed by: JG
 Date/time completed: 8/29/23

Shipped Via: HA
 (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, 17.9 °c / _____ °c / _____ °c (Describe) _____ °c

Thermometer ID: T004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?		<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 ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<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 ⁽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)			<input checked="" type="checkbox"/>	
Additional Comments (if any):				

⁽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) [Signature] Date/Time Reviewed 8/31/23

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

SS-1@1'

8/28/2023 12:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.
 Y308753-01 (Soil)**

Boron (DTPA Sorbitol)

Boron	0.557		0.0998	mg/L	1	B3I0119	09/01/2023	09/05/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B3H3030	08/30/2023	09/05/2023	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	ND		0.00200	mg/kg	1	B3H3028	08/30/2023	09/01/2023	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	"	"	"	"	09/02/2023	U

Surrogate: 1,2-Dichloroethane-d4	106 %		70-130			"	"	09/01/2023	
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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

SS-1@1'

8/28/2023 12:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y308753-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	105 %		70-130			B3H30 28	08/30/2023	09/01/2023	
Surrogate: 4-Bromofluorobenzene	102 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	09/02/2023	09/05/2023	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	3.10		0.435	"	"	"	"	"	

PAH by EPA 8270E

1-Methylnaphthalene	ND		0.002	mg/kg	1	B3H3115	08/31/2023	09/05/2023	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 (k) fluoranthene	ND		0.020	"	"	"	"	"	U
Chrysene	ND		0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	U
Fluoranthene	ND		0.020	"	"	"	"	"	U

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

SS-1@1'

8/28/2023 12:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y308753-01 (Soil)

PAH by EPA 8270E

Fluorene	ND		0.020	mg/kg	1	B3H3115	08/31/2023	09/05/2023	U
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	U
Naphthalene	ND		0.002	"	"	"	"	"	U
Pyrene	ND		0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	104 %		60-130			"	"	"	
Surrogate: Anthracene-d10	84.8 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	100 %		60-130			"	"	"	
Surrogate: Pyrene-d10	104 %		60-130			"	"	"	

pH in Soil by 9045D

pH	8.41			pH Units	1	B3I0206	09/02/2023	09/03/2023	
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SAR by 20B Saturated Paste

SAR	5.81		0.0100	SAR	1	B3I0203	09/02/2023	09/05/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.455		0.00500	mmhos/cm	1	B3I0206	09/02/2023	09/03/2023	
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Table 915 metals by EPA 6020B

Origins Laboratory, Inc.



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

SS-1@1'

8/28/2023 12:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y308753-01 (Soil)

Table 915 metals by EPA 6020B

Arsenic	2.03		0.0988	mg/kg	10	B3H3017	08/30/2023	08/31/2023	
Barium	441		9.88	"	"	"	"	"	
Cadmium	0.0988		0.0988	"	"	"	"	"	
Copper	ND		9.88	"	"	"	"	"	
Lead	ND		9.88	"	"	"	"	"	
Nickel	ND		9.88	"	"	"	"	"	
Selenium	ND		0.0988	"	"	"	"	"	
Silver	ND		0.0988	"	"	"	"	"	
Zinc	ND		98.8	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.248	0.51	mg/Kg	1	L702202	08/28/2023	09/01/2023	
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Fundare
 1613 Propect Park Way Suite 120
 Fort Collins CO 80525

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

SS-2@1'

8/28/2023 12:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y308753-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.504		0.0999	mg/L	1	B3I0119	09/01/2023	09/05/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B3H3030	08/30/2023	09/05/2023	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	83.5 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B3H3028	08/30/2023	09/01/2023	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

Surrogate: 1,2-Dichloroethane-d4	107 %		70-130			"	"	"	
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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

SS-2@1'

8/28/2023 12:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y308753-02 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	107 %		70-130			B3H30 28	08/30/2023	09/01/2023	
Surrogate: 4-Bromofluorobenzene	97.1 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	10.5	0.499	meq/L	10	[CALC]		09/05/2023	09/06/2023	
Magnesium	1.82	0.823	"	"	"	"	"	"	
Sodium	3.52	0.435	"	"	"	"	"	"	

PAH by EPA 8270E

1-Methylnaphthalene	0.003	0.002	mg/kg	1	B3H3115		08/31/2023	09/05/2023	
2-Methylnaphthalene	0.004	0.002	"	"	"	"	"	"	
Acenaphthene	ND	0.020	"	"	"	"	"	"	U
Anthracene	ND	0.020	"	"	"	"	"	"	U
Benzo (a) anthracene	0.005	0.005	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.020	"	"	"	"	"	"	U
Benzo (b) fluoranthene	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

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

SS-2@1'

8/28/2023 12:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y308753-02 (Soil)

PAH by EPA 8270E

Indeno (1,2,3-cd) pyrene	ND		0.020	mg/kg	1	B3H3115	08/31/2023	09/05/2023	U
Naphthalene	ND		0.002	"	"	"	"	"	U
Pyrene	ND		0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	101 %		60-130			"	"	"	
Surrogate: Anthracene-d10	91.5 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	99.2 %		60-130			"	"	"	
Surrogate: Pyrene-d10	101 %		60-130			"	"	"	

pH in Soil by 9045D

pH	7.66			pH Units	1	B3I0516	09/05/2023	09/06/2023	
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SAR by 20B Saturated Paste

SAR	1.42		0.0100	SAR	1	B3I0508	09/05/2023	09/06/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.58		0.00500	mmhos/cm	1	B3I0516	09/05/2023	09/06/2023	
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Table 915 metals by EPA 6020B

Arsenic	2.18		0.0849	mg/kg	10	B3H3017	08/30/2023	08/31/2023	
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Fundare
 1613 Propect Park Way Suite 120
 Fort Collins CO 80525

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

SS-2@1'

8/28/2023 12:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y308753-02 (Soil)

Table 915 metals by EPA 6020B

Barium	471		8.49	mg/kg	10	B3H3017	08/30/2023	08/31/2023	
Cadmium	0.116		0.0849	"	"	"	"	"	
Copper	ND		8.49	"	"	"	"	"	
Lead	ND		8.49	"	"	"	"	"	
Nickel	ND		8.49	"	"	"	"	"	
Selenium	0.177		0.0849	"	"	"	"	"	
Silver	ND		0.0849	"	"	"	"	"	
Zinc	ND		84.9	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L702202	08/28/2023	09/01/2023	
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Fundare
 1613 Propect Park Way Suite 120
 Fort Collins CO 80525

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

SS-3@1'

8/28/2023 12:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y308753-03 (Soil)

Boron (DTPA Sorbitol)

Boron	1.29		0.0986	mg/L	1	B3I0119	09/01/2023	09/05/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B3H3030	08/30/2023	09/05/2023	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	86.7 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B3H3028	08/30/2023	09/01/2023	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

Surrogate: 1,2-Dichloroethane-d4	105 %		70-130			"	"	"	
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Origins Laboratory, Inc.



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Fundare
 1613 Propect Park Way Suite 120
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Levi Kirk
 Project Number: [none]
 Project: Horsetail 07F

SS-3@1'

8/28/2023 12:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y308753-03 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	106 %		70-130			B3H30 28	08/30/2023	09/01/2023	
Surrogate: 4-Bromofluorobenzene	100 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.28		0.499	meq/L	10	[CALC]	09/05/2023	09/06/2023	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	9.85		0.435	"	"	"	"	"	

PAH by EPA 8270E

1-Methylnaphthalene	ND		0.002	mg/kg	1	B3H3115	08/31/2023	09/05/2023	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 (k) fluoranthene	ND		0.020	"	"	"	"	"	U
Chrysene	ND		0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	U
Fluoranthene	ND		0.020	"	"	"	"	"	U

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 Fort Collins CO 80525

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

SS-3@1'

8/28/2023 12:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y308753-03 (Soil)

PAH by EPA 8270E

Fluorene	ND		0.020	mg/kg	1	B3H3115	08/31/2023	09/05/2023	U
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	U
Naphthalene	ND		0.002	"	"	"	"	"	U
Pyrene	ND		0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	101 %		60-130			"	"	"	
Surrogate: Anthracene-d10	94.4 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	99.7 %		60-130			"	"	"	
Surrogate: Pyrene-d10	109 %		60-130			"	"	"	

pH in Soil by 9045D

pH	8.30			pH Units	1	B3I0516	09/05/2023	09/06/2023	
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SAR by 20B Saturated Paste

SAR	10.7		0.0100	SAR	1	B3I0508	09/05/2023	09/06/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.12		0.00500	mmhos/cm	1	B3I0516	09/05/2023	09/06/2023	
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Table 915 metals by EPA 6020B

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

SS-3@1'

8/28/2023 12:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y308753-03 (Soil)

Table 915 metals by EPA 6020B

Arsenic	2.89		0.0836	mg/kg	10	B3H3017	08/30/2023	08/31/2023	
Barium	216		8.36	"	"	"	"	"	
Cadmium	0.156		0.0836	"	"	"	"	"	
Copper	10.0		8.36	"	"	"	"	"	
Lead	8.70		8.36	"	"	"	"	"	
Nickel	ND		8.36	"	"	"	"	"	
Selenium	0.208		0.0836	"	"	"	"	"	
Silver	ND		0.0836	"	"	"	"	"	
Zinc	ND		83.6	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.25	0.514	mg/Kg	1	L702202	08/28/2023	09/01/2023	
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 Project Number: [none]
 Project: Horsetail 07F

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 B3H3028 - EPA 5030 (soil)

Blank (B3H3028-BLK1)

Prepared: 08/30/2023 Analyzed: 08/31/2023

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	0.13		"	0.125	103		70-130			
Surrogate: Toluene-d8	0.14		"	0.125	111		70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125	94.1		70-130			

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 Project: Horsetail 07F

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 B3H3028 - EPA 5030 (soil)

LCS (B3H3028-BS1)

Prepared: 08/30/2023 Analyzed: 08/31/2023

1,2,4-Trimethylbenzene	0.101	0.00200	mg/kg	0.100		101	70-130			
1,3,5-Trimethylbenzene	0.102	0.00200	"	0.100		102	70-130			
Benzene	0.0992	0.00200	"	0.100		99.2	70-130			
Ethylbenzene	0.109	0.00200	"	0.100		109	70-130			
Naphthalene	0.0868	0.00380	"	0.100		86.8	70-130			
Toluene	0.102	0.00200	"	0.100		102	70-130			
o-Xylene	0.103	0.00200	"	0.100		103	70-130			
m,p-Xylene	0.219	0.00400	"	0.200		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		100	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		113	70-130			

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 Project Number: [none]
 Project: Horsetail 07F

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 B3H3028 - EPA 5030 (soil)

Matrix Spike (B3H3028-MS1)	Source: Y308734-01			Prepared: 08/30/2023 Analyzed: 08/31/2023						
1,2,4-Trimethylbenzene	0.0898	0.00200	mg/kg	0.100	ND	89.8	70-130			
1,3,5-Trimethylbenzene	0.0908	0.00200	"	0.100	ND	90.8	70-130			
Benzene	0.0902	0.00200	"	0.100	ND	90.2	70-130			
Ethylbenzene	0.0953	0.00200	"	0.100	ND	95.3	70-130			
Naphthalene	0.0892	0.00380	"	0.100	ND	89.2	70-130			
Toluene	0.0934	0.00200	"	0.100	ND	93.4	70-130			
o-Xylene	0.0941	0.00200	"	0.100	ND	94.1	70-130			
m,p-Xylene	0.191	0.00400	"	0.200	ND	95.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		107	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		107	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
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Batch B3H3028 - EPA 5030 (soil)

Matrix Spike Dup (B3H3028-MSD1)	Source: Y308734-01			Prepared: 08/30/2023 Analyzed: 08/31/2023						
1,2,4-Trimethylbenzene	0.0934	0.00200	mg/kg	0.100	ND	93.4	70-130	3.89	20	
1,3,5-Trimethylbenzene	0.0943	0.00200	"	0.100	ND	94.3	70-130	3.80	20	
Benzene	0.0925	0.00200	"	0.100	ND	92.5	70-130	2.45	20	
Ethylbenzene	0.0996	0.00200	"	0.100	ND	99.6	70-130	4.39	20	
Naphthalene	0.0975	0.00380	"	0.100	ND	97.5	70-130	8.90	20	
Toluene	0.0971	0.00200	"	0.100	ND	97.1	70-130	3.91	20	
o-Xylene	0.0971	0.00200	"	0.100	ND	97.1	70-130	3.14	20	
m,p-Xylene	0.201	0.00400	"	0.200	ND	100	70-130	4.97	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		108	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		108	70-130			

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 Project: Horsetail 07F

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 B3H3030 - EPA 3550B										
Blank (B3H3030-BLK1)										
					Prepared: 08/30/2023 Analyzed: 09/05/2023					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	22		"	24.9		88.2	50-150			

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 Project Number: [none]
 Project: Horsetail 07F

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 B3H3030 - EPA 3550B

LCS (B3H3030-BS1)

Prepared: 08/30/2023 Analyzed: 09/05/2023

Diesel (C10-C28)	759	50.0	mg/kg	1000		75.9	70-130			
Residual Range Organics (C28-C40)	924	200	"	1000		92.4	70-130			
Surrogate: o-Terphenyl	46		"	49.8		92.2	50-150			

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

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 B3H3030 - EPA 3550B

Matrix Spike (B3H3030-MS1)	Source: Y308753-01			Prepared: 08/30/2023 Analyzed: 09/05/2023						
Diesel (C10-C28)	750	50.0	mg/kg	1000	ND	75.0	70-130			
Residual Range Organics (C28-C40)	953	200	"	1000	ND	95.3	70-130			
Surrogate: o-Terphenyl	43		"	49.8		85.8	50-150			

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

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 B3H3030 - EPA 3550B

Matrix Spike Dup (B3H3030-MSD1)	Source: Y308753-01			Prepared: 08/30/2023 Analyzed: 09/05/2023						
Diesel (C10-C28)	745	50.0	mg/kg	1000	ND	74.5	70-130	0.612	35	
Residual Range Organics (C28-C40)	939	200	"	1000	ND	93.9	70-130	1.42	35	
<i>Surrogate: o-Terphenyl</i>	42		"	49.8		85.3	50-150			

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 Project Number: [none]
 Project: Horsetail 07F

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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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 B3H3017 - EPA 3050B

Blank (B3H3017-BLK1)

Prepared: 08/30/2023 Analyzed: 08/31/2023

Arsenic	ND	0.000100	mg/kg							
Barium	ND	0.0100	"							
Cadmium	ND	0.000100	"							
Copper	ND	0.0100	"							
Lead	ND	0.0100	"							
Nickel	ND	0.0100	"							
Selenium	ND	0.000100	"							
Silver	ND	0.000100	"							
Zinc	ND	0.100	"							

LCS (B3H3017-BS1)

Prepared: 08/30/2023 Analyzed: 08/31/2023

Arsenic	0.0487	0.000100	mg/kg	0.0500		97.3	80-120			
Barium	5.34	0.0100	"	5.00		107	80-120			
Cadmium	0.0509	0.000100	"	0.0500		102	80-120			
Copper	0.542	0.0100	"	0.500		108	80-120			
Lead	0.0507	0.0100	"	0.0500		101	80-120			
Nickel	0.0506	0.0100	"	0.0500		101	80-120			
Selenium	0.0504	0.000100	"	0.0500		101	80-120			
Silver	0.0493	0.000100	"	0.0500		98.5	80-120			
Zinc	0.475	0.100	"	0.500		95.1	80-120			

Matrix Spike (B3H3017-MS1)

Source: Y308753-01

Prepared: 08/30/2023 Analyzed: 08/31/2023

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

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 B3H3017 - EPA 3050B

Matrix Spike (B3H3017-MS1)		Source: Y308753-01			Prepared: 08/30/2023 Analyzed: 08/31/2023					
Arsenic	5.83	0.0840	mg/kg	4.20	2.03	90.4	75-125			
Barium	748	8.40	"	420	441	73.1	75-125			
Cadmium	4.37	0.0840	"	4.20	0.0988	102	75-125			
Copper	49.5	8.40	"	42.0	5.64	104	75-125			
Lead	10.2	8.40	"	4.20	5.70	108	75-125			QM-02
Nickel	8.97	8.40	"	4.20	5.06	93.0	75-125			
Selenium	3.76	0.0840	"	4.20	0.0573	88.2	75-125			
Silver	0.427	0.0840	"	4.20	0.0109	9.90	75-125			QM-07
Zinc	62.5	84.0	"	42.0	24.2	91.1	75-125			

Matrix Spike Dup (B3H3017-MSD1)		Source: Y308753-01			Prepared: 08/30/2023 Analyzed: 08/31/2023					
Arsenic	5.93	0.0947	mg/kg	4.74	2.03	82.3	75-125	1.66	20	
Barium	743	9.47	"	474	441	63.9	75-125	0.633	20	QM-07
Cadmium	4.99	0.0947	"	4.74	0.0988	103	75-125	13.2	20	
Copper	54.2	9.47	"	47.4	5.64	102	75-125	8.97	20	
Lead	8.61	9.47	"	4.74	5.70	61.4	75-125	17.4	20	QM-02
Nickel	8.56	9.47	"	4.74	5.06	73.9	75-125	4.65	20	
Selenium	4.29	0.0947	"	4.74	0.0573	89.4	75-125	13.1	20	
Silver	3.29	0.0947	"	4.74	0.0109	69.2	75-125	154	20	QM-07
Zinc	63.9	94.7	"	47.4	24.2	83.9	75-125	2.30	20	

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

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 B3H3115 - EPA 3580

Blank (B3H3115-BLK1)

Prepared: 08/31/2023 Analyzed: 09/05/2023

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	210		ug/kg	200		104	60-130			
Surrogate: Anthracene-d10	180		"	200		92.0	60-130			
Surrogate: Benzo (a) pyrene-d12	190		"	200		97.3	60-130			
Surrogate: Pyrene-d10	160		"	200		80.3	60-130			

LCS (B3H3115-BS1)

Prepared: 08/31/2023 Analyzed: 09/05/2023

1-Methylnaphthalene	0.183	0.002	mg/kg	0.200		91.3	70-130			
2-Methylnaphthalene	0.181	0.002	"	0.200		90.6	70-130			
Acenaphthene	0.186	0.020	"	0.200		92.9	70-130			
Anthracene	0.161	0.020	"	0.200		80.5	70-130			

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

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 B3H3115 - EPA 3580

LCS (B3H3115-BS1)

Prepared: 08/31/2023 Analyzed: 09/05/2023

Benzo (a) anthracene	0.176	0.005	mg/kg	0.200		88.1	70-130			
Benzo (a) pyrene	0.171	0.020	"	0.200		85.6	70-130			
Benzo (b) fluoranthene	0.220	0.020	"	0.200		110	70-130			
Benzo (g,h,i) perylene	0.198	0.020	"	0.200		99.1	70-130			
Benzo (k) fluoranthene	0.186	0.020	"	0.200		92.8	70-130			
Chrysene	0.170	0.020	"	0.200		85.0	70-130			
Dibenz (a,h) anthracene	0.188	0.020	"	0.200		93.8	70-130			
Fluoranthene	0.181	0.020	"	0.200		90.5	70-130			
Fluorene	0.188	0.020	"	0.200		93.9	70-130			
Indeno (1,2,3-cd) pyrene	0.175	0.020	"	0.200		87.4	70-130			
Naphthalene	0.183	0.002	"	0.200		91.4	70-130			
Phenanthrene	0.181	0.020	"	0.200		90.5	70-130			
Pyrene	0.192	0.020	"	0.200		96.1	70-130			
Surrogate: Fluorene-d10	210		ug/kg	200		104	60-130			
Surrogate: Anthracene-d10	180		"	200		90.7	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		99.2	60-130			
Surrogate: Pyrene-d10	200		"	200		101	60-130			

Matrix Spike (B3H3115-MS1)

Source: Y308753-01

Prepared: 08/31/2023 Analyzed: 09/05/2023

1-Methylnaphthalene	0.187	0.002	mg/kg	0.200	ND	93.6	70-130			
2-Methylnaphthalene	0.185	0.002	"	0.200	ND	92.5	70-130			
Acenaphthene	0.179	0.020	"	0.200	ND	89.4	70-130			
Anthracene	0.156	0.020	"	0.200	ND	78.0	70-130			
Benzo (a) anthracene	0.187	0.005	"	0.200	0.002	92.8	70-130			
Benzo (a) pyrene	0.185	0.020	"	0.200	ND	92.5	70-130			
Benzo (b) fluoranthene	0.207	0.020	"	0.200	0.002	102	70-130			
Benzo (g,h,i) perylene	0.190	0.020	"	0.200	ND	95.2	70-130			

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

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 B3H3115 - EPA 3580

Matrix Spike (B3H3115-MS1)

Source: Y308753-01

Prepared: 08/31/2023 Analyzed: 09/05/2023

Benzo (k) fluoranthene	0.176	0.020	mg/kg	0.200	ND	87.8	70-130			
Chrysene	0.167	0.020	"	0.200	0.002	82.4	70-130			
Dibenz (a,h) anthracene	0.186	0.020	"	0.200	ND	92.9	70-130			
Fluoranthene	0.177	0.020	"	0.200	0.0005	88.0	70-130			
Fluorene	0.184	0.020	"	0.200	ND	92.2	70-130			
Indeno (1,2,3-cd) pyrene	0.164	0.020	"	0.200	ND	82.2	70-130			
Naphthalene	0.185	0.002	"	0.200	ND	92.7	70-130			
Phenanthrene	0.183	0.020	"	0.200	0.0003	91.5	70-130			
Pyrene	0.146	0.020	"	0.200	ND	73.0	70-130			

Surrogate: Fluorene-d10	200		ug/kg	200		101	60-130			
Surrogate: Anthracene-d10	180		"	200		89.0	60-130			
Surrogate: Benzo (a) pyrene-d12	190		"	200		96.3	60-130			
Surrogate: Pyrene-d10	150		"	200		76.9	60-130			

Matrix Spike Dup (B3H3115-MSD1)

Source: Y308753-01

Prepared: 08/31/2023 Analyzed: 09/05/2023

1-Methylnaphthalene	0.180	0.002	mg/kg	0.200	ND	90.0	70-130	3.93	20	
2-Methylnaphthalene	0.187	0.002	"	0.200	ND	93.3	70-130	0.910	20	
Acenaphthene	0.178	0.020	"	0.200	ND	89.2	70-130	0.265	20	
Anthracene	0.165	0.020	"	0.200	ND	82.4	70-130	5.44	20	
Benzo (a) anthracene	0.181	0.005	"	0.200	0.002	89.6	70-130	3.48	20	
Benzo (a) pyrene	0.168	0.020	"	0.200	ND	83.8	70-130	9.79	20	
Benzo (b) fluoranthene	0.218	0.020	"	0.200	0.002	108	70-130	5.43	20	
Benzo (g,h,i) perylene	0.197	0.020	"	0.200	ND	98.4	70-130	3.31	20	
Benzo (k) fluoranthene	0.180	0.020	"	0.200	ND	90.0	70-130	2.53	20	
Chrysene	0.171	0.020	"	0.200	0.002	84.5	70-130	2.44	20	
Dibenz (a,h) anthracene	0.185	0.020	"	0.200	ND	92.7	70-130	0.230	20	
Fluoranthene	0.169	0.020	"	0.200	0.0005	84.1	70-130	4.60	20	

Origins Laboratory, Inc.



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Fundare
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 Fort Collins CO 80525

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

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 B3H3115 - EPA 3580

Matrix Spike Dup (B3H3115-MSD1)	Source: Y308753-01			Prepared: 08/31/2023 Analyzed: 09/05/2023						
Fluorene	0.182	0.020	mg/kg	0.200	ND	91.1	70-130	1.23	20	
Indeno (1,2,3-cd) pyrene	0.164	0.020	"	0.200	ND	82.1	70-130	0.0456	20	
Naphthalene	0.187	0.002	"	0.200	ND	93.3	70-130	0.627	20	
Phenanthrene	0.184	0.020	"	0.200	0.0003	91.9	70-130	0.472	20	
Pyrene	0.189	0.020	"	0.200	ND	94.7	70-130	25.9	20	QR-02
Surrogate: Fluorene-d10	200		ug/kg	200		101	60-130			
Surrogate: Anthracene-d10	180		"	200		87.6	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		99.6	60-130			
Surrogate: Pyrene-d10	200		"	200		98.0	60-130			

Origins Laboratory, Inc.



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Fundare
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 Fort Collins CO 80525

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 B310119 - DTPA Sorbitol Preparation

Blank (B310119-BLK1)

Prepared: 09/01/2023 Analyzed: 09/05/2023

Boron ND 0.100 mg/L

Duplicate (B310119-DUP1)

Source: Y308730-01

Prepared: 09/01/2023 Analyzed: 09/05/2023

Boron 0.0941 0.0995 mg/L 0.0933 0.878 50

Batch B310203 - Saturated Paste Metals

Blank (B310203-BLK1)

Prepared: 09/02/2023 Analyzed: 09/05/2023

SAR ND 0.0100 SAR

Calcium PPM ND 10.0 mg/L

Magnesium PPM ND 10.0 "

Sodium PPM ND 10.0 "

Duplicate (B310203-DUP1)

Source: Y309025-04

Prepared: 09/02/2023 Analyzed: 09/05/2023

Calcium PPM 6.76 10.0 mg/L 6.75 0.148 50

SAR ND 0.0100 SAR 0.135 200

Magnesium PPM 1.77 10.0 mg/L 1.78 0.563 50

Sodium PPM 1.61 10.0 " 1.53 5.10 50

Batch B310508 - Saturated Paste Metals

Blank (B310508-BLK1)

Prepared: 09/05/2023 Analyzed: 09/06/2023

SAR ND 0.0100 SAR

Calcium PPM ND 10.0 mg/L

Magnesium PPM ND 10.0 "

Sodium PPM ND 10.0 "

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

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 B310508 - Saturated Paste Metals

Duplicate (B310508-DUP1)	Source: Y308753-02			Prepared: 09/05/2023 Analyzed: 09/06/2023						
SAR	ND	0.0100	SAR		1.42					200
Calcium PPM	219	10.0	mg/L		210			4.09		50
Magnesium PPM	23.0	10.0	"		22.2			3.89		50
Sodium PPM	81.0	10.0	"		80.9			0.0988		50

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Fundare
 1613 Propect Park Way Suite 120
 Fort Collins CO 80525

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

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 B3I0206 - Saturated Paste pH/EC

Blank (B3I0206-BLK1)

Prepared: 09/02/2023 Analyzed: 09/03/2023

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B3I0206-DUP1)

Source: Y309025-04

Prepared: 09/02/2023 Analyzed: 09/03/2023

Specific Conductance (EC)	0.134	0.00500	mmhos/cm		0.149			11.2	25	
pH	6.73		pH Units		6.50			3.48	25	

Batch B3I0516 - Saturated Paste pH/EC

Blank (B3I0516-BLK1)

Prepared: 09/05/2023 Analyzed: 09/06/2023

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B3I0516-DUP1)

Source: Y308753-02

Prepared: 09/05/2023 Analyzed: 09/06/2023

pH	7.64		pH Units		7.66			0.261	25	
Specific Conductance (EC)	1.68	0.00500	mmhos/cm		1.58			6.01	25	

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Fundare
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 Fort Collins CO 80525

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

Total Metals by 7196A - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L702202 -										
DUP (L 84090-DUP)		Source: 84090			Prepared: Analyzed: 09/01/2023					
Chromium, Hexavalent	ND	0.513	mg/Kg		<0.513		-	0	20	
MS (L 84090-MS)		Source: 84090			Prepared: Analyzed: 09/01/2023					
Chromium, Hexavalent	33.2	2.51	mg/Kg	40.1	<1.22	83	75-125			
LCS (LCS)		Prepared: Analyzed: 09/01/2023								
Chromium, Hexavalent	6.84	0.5	mg/Kg	8		86	75-125			
LRB (LRB)		Prepared: Analyzed: 09/01/2023								
Chromium, Hexavalent	ND	0.5	mg/Kg				-			

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Fundare
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Fort Collins CO 80525

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

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.

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

QM-02 The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

Calculated results may use J-flag data (instead of reported "ND") as part of calculation to provide a more accurate result.

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