

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

April 26, 2023

Levi Kirk

Fundare

1811 East Mulberry St

Fort Collins, CO 80525

RE: Wolf 35-2613H

Work Order #2304257

Enclosed are the results of analyses for samples received by Summit Scientific on 04/12/23 16:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Mikayla Axtell For Paul Shrewsbury

President



Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-1@6"	2304257-01	Soil	04/11/23 13:00	04/12/23 16:30
SS-2@6"	2304257-02	Soil	04/11/23 13:02	04/12/23 16:30
SS-3@6"	2304257-03	Soil	04/11/23 13:04	04/12/23 16:30
SS-4@6"	2304257-04	Soil	04/11/23 13:06	04/12/23 16:30
SS-5@6"	2304257-05	Soil	04/11/23 13:08	04/12/23 16:30
SS-6@6"	2304257-06	Soil	04/11/23 13:10	04/12/23 16:30
SS-7@6"	2304257-07	Soil	04/11/23 13:12	04/12/23 16:30
SS-8@6"	2304257-08	Soil	04/11/23 13:14	04/12/23 16:30
SS-9@6"	2304257-09	Soil	04/11/23 13:16	04/12/23 16:30
SS-10@6"	2304257-10	Soil	04/11/23 13:18	04/12/23 16:30
SS-11@6"	2304257-11	Soil	04/11/23 13:20	04/12/23 16:30

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4653 Table Mountain Drive
Golden, CO 80403
303-277-9310

Lab ID	Page 1 of 1
2304257	

Send Data To:		Send Invoice To:
Client: MarCom LLC	Project Manager: Levi Kirk	Company: Fundare
Address: 1613 Prospect Parkway Suit 120	E-Mail: Lkirk@MarComllc.net	Project Name/Location:
City/State/Zip: Ft Collins, CO. 80524	fundare2@MarComllc.net	AFE#:
Phone: 970.237.1415	Project Name: WOLF 35-2613H	PO/Billing Codes:
Sampler Name: ESB CP	Project Number:	Contact:

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix		Air-Canister #	Analysis Requested						Special Instructions
					HCl	HNO3	None	Other	Water	Soil		Other	F-MI	Table	915			
1	SS-1 @ 6"	4/11/23	13:00	2			X			X		X						
2	SS-2 @ 6"	4/11/23	13:02	2			X			X		X						
3	SS-3 @ 6"	4/11/23	13:04	2			X			X		X						
4	SS-4 @ 6"	4/11/23	13:06	2			X			X		X						
5	SS-5 @ 6"	4/11/23	13:08	2			X			X		X						
6	SS-6 @ 6"	4/11/23	13:10	2			X			X		X						
7	SS-7 @ 6"	4/11/23	13:12	2			X			X		X						
8	SS-8 @ 6"	4/11/23	13:14	2			X			X		X						
9	SS-9 @ 6"	4/11/23	13:16	2			X			X		X						
10	SS-10 @ 6"	4/11/23	13:18	2			X			X		X						
11	SS-11 @ 6"	4/11/23	13:20	2			X			X		X						
12																		
13																		
14																		
15																		

Relinquished by: <i>ESB</i>	Date/Time: 4/11/23 16:00	Received by: <i>[Signature]</i>	Date/Time: 4/12/23 16:30	TAT Business Days	Field DO	Notes:
				Same Day	Field EC	
1 Day	Field ORP					
2 Days	Field pH					
3 Days	Field Temp.					
Standard	x	Field Turb.				
Temperature Upon Receipt: <u>9.1</u>	Corrected Temperature: <u>9</u>	IR gun #: <u>1</u>	HNO3 lot #: _____			

S₂

Sample Receipt Checklist

S2 Work Order# 2304257

Client: marcom Client Project ID: Wolf 35-2613 H

Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other Airbill #:

Matrix (Check all that apply) Air Soil/Solid Water Other

Temp (°C) 9.1 Thermometer # 7

	Yes	No	N/A	Comments (if any)
If samples require cooling, is the temperature < 6°C? ⁽¹⁾ NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>NOTE</u>
If custody seals are present, are they intact? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are samples due within 48 hours present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are water samples with short hold times present? Note the short hold analysis in the comments column - pH, Nitrate/Nitrite, Ferrous Iron (Fe ²⁺), Hexavalent Chromium (Cr ⁶⁺ , Cr VI), COD/BOD, Total Coliform, E. Coli, Total Residual Chlorine (TRC), Dissolved Oxygen	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out Completely? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling)? ⁽¹⁾ Note the type of preservative in the comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2? ⁽¹⁾ Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Additional Comments (if any):

⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.

AS
Custodian Printed Name

4/12/23
Date/Time



Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

SS-1@6"
2304257-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/11/23 13:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BGD0522	04/17/23	04/17/23	EPA 8260B	
Toluene	ND	0.0050		"	"	"	"	"	"	
Ethylbenzene	ND	0.0050		"	"	"	"	"	"	
Xylenes (total)	ND	0.010		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
Naphthalene	ND	0.0038		"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50		"	"	"	"	"	"	

Date Sampled: **04/11/23 13:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0429	107 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0406	101 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0404	101 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/11/23 13:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BGD0524	04/17/23	04/17/23	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **04/11/23 13:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	4.74	37.9 %		30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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04/26/23 10:37

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2304257-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/11/23 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BGD0445	04/14/23	04/15/23	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	0.00558	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	0.0147	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	0.0517	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	0.0397	0.00500	"	"	"	"	"	"	

Date Sampled: **04/11/23 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0216	64.7 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0223	66.9 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/11/23 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	0.0604	0.0100	mg/L	1	BGD0451	04/14/23	04/22/23	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/11/23 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

SS-1@6"
2304257-01 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	2.78	0.221	mg/kg dry	1	BGD0557	04/18/23	04/23/23	EPA 6020B	
Barium	558	0.443	"	"	"	"	"	"	
Cadmium	0.341	0.221	"	"	"	"	"	"	
Copper	6.50	0.443	"	"	"	"	"	"	
Lead	6.11	0.221	"	"	"	"	"	"	
Nickel	3.10	0.443	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	
Silver	ND	0.0221	"	"	"	"	"	"	
Zinc	15.2	0.443	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/11/23 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BGD0457	04/14/23	04/14/23	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **04/11/23 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	260	0.0553	mg/L dry	1	BGD0582	04/18/23	04/20/23	EPA 6020B	
Magnesium	32.5	0.0553	"	"	"	"	"	"	
Sodium	426	0.0553	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **04/11/23 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	6.64	0.00100	units	1	BGD0698	04/21/23	04/21/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

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Project Number: [none]
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Reported:
04/26/23 10:37

SS-1@6"
2304257-01 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/11/23 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	90.4		%	1	BGD0469	04/14/23	04/16/23	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/11/23 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	2.36	0.0100	mmhos/cm	1	BGD0607	04/19/23	04/19/23	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **04/11/23 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.62		pH Units	1	BGD0603	04/19/23	04/19/23	EPA 9045D	

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Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

SS-2@6"
2304257-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/11/23 13:02**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BGD0522	04/17/23	04/17/23	EPA 8260B	
Toluene	ND	0.0050		"	"	"	"	"	"	
Ethylbenzene	ND	0.0050		"	"	"	"	"	"	
Xylenes (total)	ND	0.010		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
Naphthalene	ND	0.0038		"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50		"	"	"	"	"	"	

Date Sampled: **04/11/23 13:02**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0441	110 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0403	101 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0415	104 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/11/23 13:02**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BGD0524	04/17/23	04/17/23	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **04/11/23 13:02**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	5.78	46.3 %		30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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SS-2@6"
2304257-02 (Soil)

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PAH by EPA Method 8270D SIM

Date Sampled: **04/11/23 13:02**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BGD0445	04/14/23	04/15/23	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	0.00531	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	0.0217	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	0.0165	0.00500	"	"	"	"	"	"	

Date Sampled: **04/11/23 13:02**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0213	63.9 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0202	60.5 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/11/23 13:02**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	0.0564	0.0100	mg/L	1	BGD0451	04/14/23	04/22/23	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/11/23 13:02**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

SS-2@6"
2304257-02 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	3.43	0.222	mg/kg dry	1	BGD0557	04/18/23	04/24/23	EPA 6020B	
Barium	824	0.443	"	"	"	"	"	"	
Cadmium	0.388	0.222	"	"	"	"	"	"	
Copper	6.51	0.443	"	"	"	"	"	"	
Lead	6.23	0.222	"	"	"	"	"	"	
Nickel	3.24	0.443	"	"	"	"	"	"	
Selenium	0.180	0.260	"	"	"	"	"	"	
Silver	0.0230	0.0222	"	"	"	"	"	"	
Zinc	16.0	0.443	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: 04/11/23 13:02

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BGD0457	04/14/23	04/14/23	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: 04/11/23 13:02

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	219	0.0554	mg/L dry	1	BGD0582	04/18/23	04/20/23	EPA 6020B	
Magnesium	30.8	0.0554	"	"	"	"	"	"	
Sodium	40.0	0.0554	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: 04/11/23 13:02

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.671	0.00100	units	1	BGD0698	04/21/23	04/21/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: 04/11/23 13:02

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

SS-2@6"
2304257-02 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	90.3	%	1	BGD0469	04/14/23	04/16/23	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/11/23 13:02**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.52	0.0100	mmhos/cm	1	BGD0607	04/19/23	04/19/23	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **04/11/23 13:02**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.69		pH Units	1	BGD0603	04/19/23	04/19/23	EPA 9045D	

Summit Scientific

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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

SS-3@6"
2304257-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/11/23 13:04**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BGD0522	04/17/23	04/17/23	EPA 8260B	
Toluene	ND	0.0050		"	"	"	"	"	"	
Ethylbenzene	ND	0.0050		"	"	"	"	"	"	
Xylenes (total)	ND	0.010		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
Naphthalene	ND	0.0038		"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50		"	"	"	"	"	"	

Date Sampled: **04/11/23 13:04**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0377	94.2 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0404	101 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0388	96.9 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/11/23 13:04**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BGD0524	04/17/23	04/18/23	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **04/11/23 13:04**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	11.5	91.6 %		30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

SS-3@6"
2304257-03 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/11/23 13:04**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BGD0445	04/14/23	04/15/23	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **04/11/23 13:04**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0179	53.7 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0175	52.5 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/11/23 13:04**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	0.0720	0.0100	mg/L	1	BGD0451	04/14/23	04/22/23	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/11/23 13:04**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

SS-3@6"
2304257-03 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	3.23	0.225	mg/kg dry	1	BGD0557	04/18/23	04/24/23	EPA 6020B	
Barium	785	0.450	"	"	"	"	"	"	
Cadmium	0.410	0.225	"	"	"	"	"	"	
Copper	6.10	0.450	"	"	"	"	"	"	
Lead	9.46	0.225	"	"	"	"	"	"	
Nickel	3.39	0.450	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	
Silver	0.0225	0.0225	"	"	"	"	"	"	
Zinc	16.2	0.450	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/11/23 13:04**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BGD0457	04/14/23	04/14/23	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **04/11/23 13:04**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	172	0.0562	mg/L dry	1	BGD0582	04/18/23	04/20/23	EPA 6020B	
Magnesium	28.1	0.0562	"	"	"	"	"	"	
Sodium	20.3	0.0562	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **04/11/23 13:04**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.378	0.00100	units	1	BGD0698	04/21/23	04/21/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/11/23 13:04**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

SS-3@6"
2304257-03 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	88.9	%	1	BGD0469	04/14/23	04/16/23	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/11/23 13:04**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	4.44	0.0100	mmhos/cm	1	BGD0607	04/19/23	04/19/23	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **04/11/23 13:04**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.61		pH Units	1	BGD0603	04/19/23	04/19/23	EPA 9045D	

Summit Scientific

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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

SS-4@6"
2304257-04 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/11/23 13:06**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BGD0522	04/17/23	04/17/23	EPA 8260B	
Toluene	ND	0.0050		"	"	"	"	"	"	
Ethylbenzene	ND	0.0050		"	"	"	"	"	"	
Xylenes (total)	ND	0.010		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
Naphthalene	ND	0.0038		"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50		"	"	"	"	"	"	

Date Sampled: **04/11/23 13:06**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0428	107 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0405	101 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0418	104 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/11/23 13:06**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BGD0524	04/17/23	04/18/23	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **04/11/23 13:06**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	14.2	114 %		30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

SS-4@6"
2304257-04 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/11/23 13:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BGD0445	04/14/23	04/15/23	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **04/11/23 13:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0188	56.4 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0179	53.7 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/11/23 13:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	0.0442	0.0100	mg/L	1	BGD0451	04/14/23	04/22/23	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/11/23 13:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

SS-4@6"
2304257-04 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	4.00	0.235	mg/kg dry	1	BGD0557	04/18/23	04/24/23	EPA 6020B	
Barium	519	0.469	"	"	"	"	"	"	
Cadmium	0.433	0.235	"	"	"	"	"	"	
Copper	4.93	0.469	"	"	"	"	"	"	
Lead	7.48	0.235	"	"	"	"	"	"	
Nickel	3.00	0.469	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	
Silver	ND	0.0235	"	"	"	"	"	"	
Zinc	15.8	0.469	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/11/23 13:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BGD0457	04/14/23	04/14/23	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **04/11/23 13:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	29.4	0.0587	mg/L dry	1	BGD0582	04/18/23	04/20/23	EPA 6020B	
Magnesium	6.35	0.0587	"	"	"	"	"	"	
Sodium	45.2	0.0587	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **04/11/23 13:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.97	0.00100	units	1	BGD0698	04/21/23	04/21/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

SS-4@6"
2304257-04 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/11/23 13:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	85.2		%	1	BGD0469	04/14/23	04/16/23	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/11/23 13:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.952	0.0100	mmhos/cm	1	BGD0607	04/19/23	04/19/23	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **04/11/23 13:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.83		pH Units	1	BGD0603	04/19/23	04/19/23	EPA 9045D	

Summit Scientific

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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

SS-5@6"
2304257-05 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/11/23 13:08**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BGD0522	04/17/23	04/17/23	EPA 8260B	
Toluene	ND	0.0050		"	"	"	"	"	"	
Ethylbenzene	ND	0.0050		"	"	"	"	"	"	
Xylenes (total)	ND	0.010		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
Naphthalene	ND	0.0038		"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50		"	"	"	"	"	"	

Date Sampled: **04/11/23 13:08**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0438	110 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0410	103 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0417	104 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/11/23 13:08**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BGD0524	04/17/23	04/18/23	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **04/11/23 13:08**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	16.3	130 %		30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

SS-5@6"
2304257-05 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/11/23 13:08**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BGD0445	04/14/23	04/15/23	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **04/11/23 13:08**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0192	57.7 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0192	57.6 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/11/23 13:08**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	0.0445	0.0100	mg/L	1	BGD0451	04/14/23	04/22/23	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/11/23 13:08**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

SS-5@6"
2304257-05 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Arsenic	2.42	0.208	mg/kg dry	1	BGD0557	04/18/23	04/24/23	EPA 6020B
Barium	306	0.417	"	"	"	"	"	"
Cadmium	0.234	0.208	"	"	"	"	"	"
Copper	4.43	0.417	"	"	"	"	"	"
Lead	4.84	0.208	"	"	"	"	"	"
Nickel	2.35	0.417	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"
Silver	ND	0.0208	"	"	"	"	"	"
Zinc	11.1	0.417	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/11/23 13:08**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BGD0457	04/14/23	04/14/23	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **04/11/23 13:08**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	37.2	0.0521	mg/L dry	1	BGD0582	04/18/23	04/20/23	EPA 6020B	
Magnesium	6.93	0.0521	"	"	"	"	"	"	
Sodium	81.7	0.0521	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **04/11/23 13:08**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	3.23	0.00100	units	1	BGD0698	04/21/23	04/21/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

SS-5@6"
2304257-05 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/11/23 13:08**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
% Solids	95.9			%	1	BGD0469	04/14/23	04/16/23	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/11/23 13:08**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Specific Conductance (EC)	0.742	0.0100		mmhos/cm	1	BGD0607	04/19/23	04/19/23	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **04/11/23 13:08**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	8.57			pH Units	1	BGD0603	04/19/23	04/19/23	EPA 9045D	

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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

SS-6@6"
2304257-06 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/11/23 13:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BGD0522	04/17/23	04/17/23	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **04/11/23 13:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0458	114 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0405	101 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0418	105 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/11/23 13:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BGD0524	04/17/23	04/18/23	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/11/23 13:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	8.43	67.5 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

SS-6@6"
2304257-06 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/11/23 13:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BGD0445	04/14/23	04/15/23	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	0.00897	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	0.00744	0.00500	"	"	"	"	"	"	

Date Sampled: **04/11/23 13:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0214	64.2 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0207	62.1 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/11/23 13:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	0.0719	0.0100	mg/L	1	BGD0451	04/14/23	04/22/23	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/11/23 13:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

SS-6@6"
2304257-06 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	3.54	0.229	mg/kg dry	1	BGD0557	04/18/23	04/24/23	EPA 6020B	
Barium	647	0.457	"	"	"	"	"	"	
Cadmium	0.406	0.229	"	"	"	"	"	"	
Copper	7.48	0.457	"	"	"	"	"	"	
Lead	8.84	0.229	"	"	"	"	"	"	
Nickel	3.33	0.457	"	"	"	"	"	"	
Selenium	0.176	0.260	"	"	"	"	"	"	
Silver	0.0233	0.0229	"	"	"	"	"	"	
Zinc	17.0	0.457	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/11/23 13:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BGD0457	04/14/23	04/14/23	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **04/11/23 13:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	108	0.0572	mg/L dry	1	BGD0582	04/18/23	04/20/23	EPA 6020B	
Magnesium	16.2	0.0572	"	"	"	"	"	"	
Sodium	247	0.0572	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **04/11/23 13:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	5.86	0.00100	units	1	BGD0698	04/21/23	04/21/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/11/23 13:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

SS-6@6"
2304257-06 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	87.5	%	1	BGD0469	04/14/23	04/16/23	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/11/23 13:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.02	0.0100	mmhos/cm	1	BGD0607	04/19/23	04/19/23	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **04/11/23 13:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.87		pH Units	1	BGD0603	04/19/23	04/19/23	EPA 9045D	

Summit Scientific

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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

SS-7@6"
2304257-07 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/11/23 13:12**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BGD0522	04/17/23	04/17/23	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **04/11/23 13:12**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0413	103 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0403	101 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0420	105 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/11/23 13:12**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BGD0524	04/17/23	04/18/23	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/11/23 13:12**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	9.06	72.5 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

SS-7@6"
2304257-07 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/11/23 13:12**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BGD0445	04/14/23	04/15/23	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	0.0108	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **04/11/23 13:12**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0203	60.9 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0166	49.8 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/11/23 13:12**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	0.0888	0.0100	mg/L	1	BGD0451	04/14/23	04/22/23	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/11/23 13:12**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

SS-7@6"
2304257-07 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	3.54	0.254	mg/kg dry	1	BGD0557	04/18/23	04/24/23	EPA 6020B	
Barium	785	0.508	"	"	"	"	"	"	
Cadmium	0.489	0.254	"	"	"	"	"	"	
Copper	6.04	0.508	"	"	"	"	"	"	
Lead	7.22	0.254	"	"	"	"	"	"	
Nickel	3.12	0.508	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	
Silver	ND	0.0254	"	"	"	"	"	"	
Zinc	16.4	0.508	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/11/23 13:12**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BGD0457	04/14/23	04/14/23	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **04/11/23 13:12**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	90.3	0.0635	mg/L dry	1	BGD0582	04/18/23	04/20/23	EPA 6020B	
Magnesium	12.8	0.0635	"	"	"	"	"	"	
Sodium	173	0.0635	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **04/11/23 13:12**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	4.52	0.00100	units	1	BGD0698	04/21/23	04/21/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

SS-7@6"
2304257-07 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/11/23 13:12**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	78.8		%	1	BGD0469	04/14/23	04/16/23	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/11/23 13:12**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.480	0.0100	mmhos/cm	1	BGD0607	04/19/23	04/19/23	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **04/11/23 13:12**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.24		pH Units	1	BGD0603	04/19/23	04/19/23	EPA 9045D	

Summit Scientific

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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

SS-8@6"
2304257-08 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/11/23 13:14**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BGD0522	04/17/23	04/17/23	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **04/11/23 13:14**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0390	97.4 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0406	101 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0398	99.5 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/11/23 13:14**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BGD0524	04/17/23	04/18/23	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/11/23 13:14**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	7.92	63.3 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

SS-8@6"
2304257-08 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/11/23 13:14**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BGD0445	04/14/23	04/15/23	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **04/11/23 13:14**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0190	57.0 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0196	58.8 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/11/23 13:14**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	0.107	0.0100	mg/L	1	BGD0451	04/14/23	04/22/23	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/11/23 13:14**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

SS-8@6"
2304257-08 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	2.90	0.246	mg/kg dry	1	BGD0557	04/18/23	04/24/23	EPA 6020B	
Barium	698	0.492	"	"	"	"	"	"	
Cadmium	0.345	0.246	"	"	"	"	"	"	
Copper	7.34	0.492	"	"	"	"	"	"	
Lead	6.35	0.246	"	"	"	"	"	"	
Nickel	3.27	0.492	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	
Silver	ND	0.0246	"	"	"	"	"	"	
Zinc	18.2	0.492	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/11/23 13:14**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BGD0457	04/14/23	04/14/23	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **04/11/23 13:14**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	187	0.0615	mg/L dry	1	BGD0582	04/18/23	04/20/23	EPA 6020B	
Magnesium	31.0	0.0615	"	"	"	"	"	"	
Sodium	574	0.0615	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **04/11/23 13:14**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	10.2	0.00100	units	1	BGD0698	04/21/23	04/21/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

SS-8@6"
2304257-08 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/11/23 13:14**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	81.4		%	1	BGD0469	04/14/23	04/16/23	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/11/23 13:14**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.33	0.0100	mmhos/cm	1	BGD0607	04/19/23	04/19/23	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **04/11/23 13:14**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.50		pH Units	1	BGD0603	04/19/23	04/19/23	EPA 9045D	

Summit Scientific

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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

SS-9@6"
2304257-09 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/11/23 13:16**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BGD0522	04/17/23	04/18/23	EPA 8260B	
Toluene	ND	0.0050		"	"	"	"	"	"	
Ethylbenzene	ND	0.0050		"	"	"	"	"	"	
Xylenes (total)	ND	0.010		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
Naphthalene	ND	0.0038		"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50		"	"	"	"	"	"	

Date Sampled: **04/11/23 13:16**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0397	99.2 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0402	101 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0398	99.4 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/11/23 13:16**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	540	50		mg/kg	1	BGD0524	04/17/23	04/18/23	EPA 8015M	
C28-C36 (ORO)	350	50		"	"	"	"	"	"	

Date Sampled: **04/11/23 13:16**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	7.86	62.9 %		30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Z-01

Summit Scientific

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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

SS-9@6"
2304257-09 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Z-01

Date Sampled: **04/11/23 13:16**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.0500	mg/kg	10	BGD0445	04/14/23	04/15/23	EPA 8270D SIM	
Anthracene	ND	0.0500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0500	"	"	"	"	"	"	
Chrysene	ND	0.0500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0500	"	"	"	"	"	"	
Fluoranthene	ND	0.0500	"	"	"	"	"	"	
Fluorene	ND	0.0500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0500	"	"	"	"	"	"	
Pyrene	ND	0.0500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.0500	"	"	"	"	"	"	

Date Sampled: **04/11/23 13:16**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0337	101 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0168	50.4 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/11/23 13:16**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	0.0710	0.0100	mg/L	1	BGD0451	04/14/23	04/22/23	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/11/23 13:16**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

SS-9@6"
2304257-09 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	3.06	0.224	mg/kg dry	1	BGD0557	04/18/23	04/24/23	EPA 6020B	
Barium	984	0.449	"	"	"	"	"	"	
Cadmium	0.391	0.224	"	"	"	"	"	"	
Copper	10.7	0.449	"	"	"	"	"	"	
Lead	9.06	0.224	"	"	"	"	"	"	
Nickel	3.31	0.449	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	
Silver	ND	0.0224	"	"	"	"	"	"	
Zinc	22.2	0.449	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/11/23 13:16**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BGD0457	04/14/23	04/14/23	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **04/11/23 13:16**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	127	0.0561	mg/L dry	1	BGD0582	04/18/23	04/20/23	EPA 6020B	
Magnesium	10.5	0.0561	"	"	"	"	"	"	
Sodium	82.0	0.0561	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **04/11/23 13:16**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.88	0.00100	units	1	BGD0698	04/21/23	04/21/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

SS-9@6"
2304257-09 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/11/23 13:16**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	89.1		%	1	BGD0469	04/14/23	04/16/23	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/11/23 13:16**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.998	0.0100	mmhos/cm	1	BGD0607	04/19/23	04/19/23	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **04/11/23 13:16**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.47		pH Units	1	BGD0603	04/19/23	04/19/23	EPA 9045D	

Summit Scientific

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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

SS-10@6"
2304257-10 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/11/23 13:18**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BGD0522	04/17/23	04/18/23	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **04/11/23 13:18**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0392	98.0 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0406	102 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0400	100 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/11/23 13:18**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BGD0524	04/17/23	04/18/23	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/11/23 13:18**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	12.3	98.4 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

SS-10@6"
2304257-10 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/11/23 13:18**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BGD0445	04/14/23	04/15/23	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **04/11/23 13:18**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0223	66.9 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0196	58.9 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/11/23 13:18**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	0.0525	0.0100	mg/L	1	BGD0451	04/14/23	04/22/23	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/11/23 13:18**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

SS-10@6"
2304257-10 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	5.87	0.255	mg/kg dry	1	BGD0557	04/18/23	04/24/23	EPA 6020B	
Barium	1110	0.510	"	"	"	"	"	"	
Cadmium	0.407	0.255	"	"	"	"	"	"	
Copper	8.86	0.510	"	"	"	"	"	"	
Lead	9.74	0.255	"	"	"	"	"	"	
Nickel	4.60	0.510	"	"	"	"	"	"	
Selenium	0.233	0.260	"	"	"	"	"	"	
Silver	0.0367	0.0255	"	"	"	"	"	"	
Zinc	21.4	0.510	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: 04/11/23 13:18

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BGD0457	04/14/23	04/14/23	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: 04/11/23 13:18

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	1150	0.0637	mg/L dry	1	BGD0582	04/18/23	04/20/23	EPA 6020B	
Magnesium	28.7	0.0637	"	"	"	"	"	"	
Sodium	168	0.0637	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: 04/11/23 13:18

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.34	0.00100	units	1	BGD0698	04/21/23	04/21/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: 04/11/23 13:18

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

SS-10@6"
2304257-10 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	78.5	%	1	BGD0469	04/14/23	04/16/23	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/11/23 13:18**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.02	0.0100	mmhos/cm	1	BGD0607	04/19/23	04/19/23	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **04/11/23 13:18**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.68		pH Units	1	BGD0603	04/19/23	04/19/23	EPA 9045D	

Summit Scientific

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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

SS-11@6"
2304257-11 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/11/23 13:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BGD0522	04/17/23	04/18/23	EPA 8260B	
Toluene	ND	0.0050		"	"	"	"	"	"	
Ethylbenzene	ND	0.0050		"	"	"	"	"	"	
Xylenes (total)	ND	0.010		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
Naphthalene	ND	0.0038		"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50		"	"	"	"	"	"	

Date Sampled: **04/11/23 13:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0414	103 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0403	101 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0412	103 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/11/23 13:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	110	50		mg/kg	1	BGD0524	04/17/23	04/18/23	EPA 8015M	
C28-C36 (ORO)	50	50		"	"	"	"	"	"	

Date Sampled: **04/11/23 13:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	9.60	76.8 %		30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

SS-11@6"
2304257-11 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/11/23 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BGD0445	04/14/23	04/15/23	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	0.0135	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	0.0143	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **04/11/23 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0267	80.0 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0270	81.1 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/11/23 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	0.156	0.0100	mg/L	1	BGD0451	04/14/23	04/22/23	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/11/23 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

SS-11@6"
2304257-11 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Arsenic	4.76	0.250	mg/kg dry	1	BGD0557	04/18/23	04/24/23	EPA 6020B
Barium	379	0.501	"	"	"	"	"	"
Cadmium	0.602	0.250	"	"	"	"	"	"
Copper	5.37	0.501	"	"	"	"	"	"
Lead	8.13	0.250	"	"	"	"	"	"
Nickel	3.05	0.501	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"
Silver	ND	0.0250	"	"	"	"	"	"
Zinc	17.2	0.501	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/11/23 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BGD0457	04/14/23	04/14/23	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **04/11/23 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	262	0.0626	mg/L dry	1	BGD0582	04/18/23	04/20/23	EPA 6020B	
Magnesium	10.5	0.0626	"	"	"	"	"	"	
Sodium	151	0.0626	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **04/11/23 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	2.49	0.00100	units	1	BGD0698	04/21/23	04/21/23	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

SS-11@6"
2304257-11 (Soil)

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Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/11/23 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	79.9		%	1	BGD0469	04/14/23	04/16/23	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/11/23 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.457	0.0100	mmhos/cm	1	BGD0607	04/19/23	04/19/23	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **04/11/23 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.35		pH Units	1	BGD0603	04/19/23	04/19/23	EPA 9045D	

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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Result	Reporting		Spike Level	Source Result	%REC		RPD		Notes
		Limit	Units			Limits	RPD	Limit		

Batch BGD0522 - EPA 5030 Soil MS

Blank (BGD0522-BLK1)

Prepared & Analyzed: 04/17/23

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
1,2,4-Trimethylbenzene	ND	0.0050	"							
1,3,5-Trimethylbenzene	ND	0.0050	"							
Naphthalene	ND	0.0038	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0411		"	0.0400		103		50-150		
Surrogate: Toluene-d8	0.0402		"	0.0400		100		50-150		
Surrogate: 4-Bromofluorobenzene	0.0398		"	0.0400		99.6		50-150		

LCS (BGD0522-BS1)

Prepared & Analyzed: 04/17/23

Benzene	0.0877	0.0020	mg/kg	0.100		87.7		70-130		
Toluene	0.0924	0.0050	"	0.100		92.4		70-130		
Ethylbenzene	0.109	0.0050	"	0.100		109		70-130		
m,p-Xylene	0.214	0.010	"	0.200		107		70-130		
o-Xylene	0.101	0.0050	"	0.100		101		70-130		
1,2,4-Trimethylbenzene	0.103	0.0050	"	0.100		103		70-130		
1,3,5-Trimethylbenzene	0.107	0.0050	"	0.100		107		70-130		
Naphthalene	0.0813	0.0038	"	0.100		81.3		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.0335		"	0.0400		83.8		50-150		
Surrogate: Toluene-d8	0.0399		"	0.0400		99.8		50-150		
Surrogate: 4-Bromofluorobenzene	0.0386		"	0.0400		96.4		50-150		

Matrix Spike (BGD0522-MS1)

Source: 2304257-01

Prepared & Analyzed: 04/17/23

Benzene	0.0824	0.0020	mg/kg	0.100	ND	82.4		70-130		
Toluene	0.0881	0.0050	"	0.100	ND	88.1		70-130		
Ethylbenzene	0.0999	0.0050	"	0.100	ND	99.9		70-130		
m,p-Xylene	0.196	0.010	"	0.200	ND	98.0		70-130		
o-Xylene	0.0962	0.0050	"	0.100	ND	96.2		70-130		
1,2,4-Trimethylbenzene	0.101	0.0050	"	0.100	ND	101		70-130		
1,3,5-Trimethylbenzene	0.100	0.0050	"	0.100	ND	100		70-130		
Naphthalene	0.0886	0.0038	"	0.100	ND	88.6		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.0365		"	0.0400		91.3		50-150		
Surrogate: Toluene-d8	0.0403		"	0.0400		101		50-150		
Surrogate: 4-Bromofluorobenzene	0.0396		"	0.0400		98.9		50-150		

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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Reporting			Spike	Source	%REC		RPD		Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

Batch BGD0522 - EPA 5030 Soil MS

Matrix Spike Dup (BGD0522-MSD1)	Source: 2304257-01			Prepared & Analyzed: 04/17/23						
Benzene	0.0865	0.0020	mg/kg	0.100	ND	86.5	70-130	4.80	30	
Toluene	0.0940	0.0050	"	0.100	ND	94.0	70-130	6.49	30	
Ethylbenzene	0.106	0.0050	"	0.100	ND	106	70-130	5.75	30	
m,p-Xylene	0.207	0.010	"	0.200	ND	103	70-130	5.27	30	
o-Xylene	0.0999	0.0050	"	0.100	ND	99.9	70-130	3.70	30	
1,2,4-Trimethylbenzene	0.104	0.0050	"	0.100	ND	104	70-130	2.70	30	
1,3,5-Trimethylbenzene	0.105	0.0050	"	0.100	ND	105	70-130	4.44	30	
Naphthalene	0.0920	0.0038	"	0.100	ND	92.0	70-130	3.79	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0364</i>		<i>"</i>	<i>0.0400</i>		<i>91.0</i>	<i>50-150</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0402</i>		<i>"</i>	<i>0.0400</i>		<i>101</i>	<i>50-150</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0396</i>		<i>"</i>	<i>0.0400</i>		<i>99.0</i>	<i>50-150</i>			

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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

Analyte	Result	Reporting		Spike	Source		%REC		RPD		Notes
		Limit	Units	Level	Result	%REC	Limits	RPD	Limit		

Batch BGD0524 - EPA 3550A

Blank (BGD0524-BLK1)

Prepared & Analyzed: 04/17/23

C10-C28 (DRO)	ND	50	mg/kg								
C28-C36 (ORO)	ND	50	"								
Surrogate: <i>o</i> -Terphenyl	12.9		"	12.5		103	30-150				

LCS (BGD0524-BS1)

Prepared & Analyzed: 04/17/23

C10-C28 (DRO)	399	50	mg/kg	500		79.7	70-130				
Surrogate: <i>o</i> -Terphenyl	11.5		"	12.5		91.9	30-150				

Matrix Spike (BGD0524-MS1)

Source: 2304257-01

Prepared & Analyzed: 04/17/23

C10-C28 (DRO)	351	50	mg/kg	500	ND	70.2	70-130				
Surrogate: <i>o</i> -Terphenyl	5.75		"	12.5		46.0	30-150				

Matrix Spike Dup (BGD0524-MSD1)

Source: 2304257-01

Prepared & Analyzed: 04/17/23

C10-C28 (DRO)	354	50	mg/kg	500	ND	70.9	70-130	1.03	20		
Surrogate: <i>o</i> -Terphenyl	5.14		"	12.5		41.1	30-150				

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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Reporting			Spike	Source	%REC		RPD		Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

Batch BGD0445 - EPA 5030 Soil MS

Blank (BGD0445-BLK1)

Prepared: 04/14/23 Analyzed: 04/15/23

Acenaphthene	ND	0.00500	mg/kg							
Anthracene	ND	0.00500	"							
Benzo (a) anthracene	ND	0.00500	"							
Benzo (a) pyrene	ND	0.00500	"							
Benzo (b) fluoranthene	ND	0.00500	"							
Benzo (k) fluoranthene	ND	0.00500	"							
Chrysene	ND	0.00500	"							
Dibenz (a,h) anthracene	ND	0.00500	"							
Fluoranthene	ND	0.00500	"							
Fluorene	ND	0.00500	"							
Indeno (1,2,3-cd) pyrene	ND	0.00500	"							
Pyrene	ND	0.00500	"							
1-Methylnaphthalene	ND	0.00500	"							
2-Methylnaphthalene	ND	0.00500	"							
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0356</i>		"	<i>0.0333</i>		<i>107</i>		<i>40-150</i>		
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0306</i>		"	<i>0.0333</i>		<i>91.7</i>		<i>40-150</i>		

LCS (BGD0445-BS1)

Prepared: 04/14/23 Analyzed: 04/15/23

Acenaphthene	0.0299	0.00500	mg/kg	0.0333	89.8	31-137
Anthracene	0.0306	0.00500	"	0.0333	91.7	30-120
Benzo (a) anthracene	0.0246	0.00500	"	0.0333	73.7	30-120
Benzo (a) pyrene	0.0239	0.00500	"	0.0333	71.7	30-120
Benzo (b) fluoranthene	0.0237	0.00500	"	0.0333	71.2	30-120
Benzo (k) fluoranthene	0.0229	0.00500	"	0.0333	68.7	30-120
Chrysene	0.0197	0.00500	"	0.0333	59.1	30-120
Dibenz (a,h) anthracene	0.0249	0.00500	"	0.0333	74.6	30-120
Fluoranthene	0.0294	0.00500	"	0.0333	88.1	30-120
Fluorene	0.0292	0.00500	"	0.0333	87.5	30-120
Indeno (1,2,3-cd) pyrene	0.0240	0.00500	"	0.0333	72.0	30-120
Pyrene	0.0238	0.00500	"	0.0333	71.3	35-142
1-Methylnaphthalene	0.0333	0.00500	"	0.0333	99.9	35-142
2-Methylnaphthalene	0.0303	0.00500	"	0.0333	90.9	35-142
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0329</i>		"	<i>0.0333</i>	<i>98.6</i>	<i>40-150</i>
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0318</i>		"	<i>0.0333</i>	<i>95.5</i>	<i>40-150</i>

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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Reporting			Spike	Source	%REC		RPD		Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

Batch BGD0445 - EPA 5030 Soil MS

Matrix Spike (BGD0445-MS1)	Source: 2304290-01			Prepared: 04/14/23 Analyzed: 04/15/23						
Acenaphthene	0.0208	0.00500	mg/kg	0.0333	ND	62.5	31-137			
Anthracene	0.0188	0.00500	"	0.0333	ND	56.5	30-120			
Benzo (a) anthracene	0.0139	0.00500	"	0.0333	ND	41.7	30-120			
Benzo (a) pyrene	0.0161	0.00500	"	0.0333	ND	48.3	30-120			
Benzo (b) fluoranthene	0.0140	0.00500	"	0.0333	ND	41.9	30-120			
Benzo (k) fluoranthene	0.0156	0.00500	"	0.0333	ND	46.9	30-120			
Chrysene	0.0147	0.00500	"	0.0333	ND	44.2	30-120			
Dibenz (a,h) anthracene	0.0158	0.00500	"	0.0333	ND	47.3	30-120			
Fluoranthene	0.0174	0.00500	"	0.0333	ND	52.1	30-120			
Fluorene	0.0191	0.00500	"	0.0333	ND	57.4	30-120			
Indeno (1,2,3-cd) pyrene	0.0136	0.00500	"	0.0333	ND	40.8	30-120			
Pyrene	0.0173	0.00500	"	0.0333	ND	51.9	35-142			
1-Methylnaphthalene	0.0215	0.00500	"	0.0333	ND	64.6	15-130			
2-Methylnaphthalene	0.0193	0.00500	"	0.0333	ND	57.8	15-130			
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0216</i>		<i>"</i>	<i>0.0333</i>		<i>64.9</i>	<i>40-150</i>			
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0184</i>		<i>"</i>	<i>0.0333</i>		<i>55.3</i>	<i>40-150</i>			

Matrix Spike Dup (BGD0445-MSD1)	Source: 2304290-01			Prepared: 04/14/23 Analyzed: 04/15/23						
Acenaphthene	0.0202	0.00500	mg/kg	0.0333	ND	60.5	31-137	3.18	30	
Anthracene	0.0196	0.00500	"	0.0333	ND	58.7	30-120	3.80	30	
Benzo (a) anthracene	0.0160	0.00500	"	0.0333	ND	48.0	30-120	14.1	30	
Benzo (a) pyrene	0.0168	0.00500	"	0.0333	ND	50.4	30-120	4.24	30	
Benzo (b) fluoranthene	0.0149	0.00500	"	0.0333	ND	44.8	30-120	6.66	30	
Benzo (k) fluoranthene	0.0145	0.00500	"	0.0333	ND	43.4	30-120	7.83	30	
Chrysene	0.0148	0.00500	"	0.0333	ND	44.5	30-120	0.756	30	
Dibenz (a,h) anthracene	0.0165	0.00500	"	0.0333	ND	49.6	30-120	4.75	30	
Fluoranthene	0.0193	0.00500	"	0.0333	ND	57.9	30-120	10.5	30	
Fluorene	0.0201	0.00500	"	0.0333	ND	60.2	30-120	4.71	30	
Indeno (1,2,3-cd) pyrene	0.0146	0.00500	"	0.0333	ND	43.7	30-120	6.76	30	
Pyrene	0.0164	0.00500	"	0.0333	ND	49.1	35-142	5.55	30	
1-Methylnaphthalene	0.0241	0.00500	"	0.0333	ND	72.3	15-130	11.2	50	
2-Methylnaphthalene	0.0187	0.00500	"	0.0333	ND	56.2	15-130	2.83	50	
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0227</i>		<i>"</i>	<i>0.0333</i>		<i>68.1</i>	<i>40-150</i>			
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0203</i>		<i>"</i>	<i>0.0333</i>		<i>60.8</i>	<i>40-150</i>			

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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

Total Metals by EPA 6020B Hot Water Soluble Extraction - Quality Control
Summit Scientific

Analyte	Result	Reporting		Spike Level	Source		%REC		RPD		Notes
		Limit	Units		Result	%REC	Limits	RPD	Limit		

Batch BGD0451 - EPA 3050B

Blank (BGD0451-BLK1)

Prepared: 04/14/23 Analyzed: 04/22/23

Boron ND 0.0100 mg/L

LCS (BGD0451-BS1)

Prepared: 04/14/23 Analyzed: 04/22/23

Boron 5.20 0.0100 mg/L 5.00 104 80-120

Duplicate (BGD0451-DUP1)

Source: 2304256-01

Prepared: 04/14/23 Analyzed: 04/22/23

Boron 0.0902 0.0100 mg/L 0.0966 6.82 20

Matrix Spike (BGD0451-MS1)

Source: 2304256-01

Prepared: 04/14/23 Analyzed: 04/22/23

Boron 5.13 0.0100 mg/L 5.00 0.0966 101 75-125

Matrix Spike Dup (BGD0451-MSD1)

Source: 2304256-01

Prepared: 04/14/23 Analyzed: 04/22/23

Boron 5.05 0.0100 mg/L 5.00 0.0966 99.1 75-125 1.68 25

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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

Total Metals by EPA 6020B - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source	%REC		RPD		Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

Batch BGD0557 - EPA 3050B

Blank (BGD0557-BLK1)

Prepared: 04/18/23 Analyzed: 04/23/23

Arsenic	ND	0.200	mg/kg wet							
Barium	ND	0.400	"							
Cadmium	ND	0.200	"							
Copper	ND	0.400	"							
Lead	ND	0.200	"							
Nickel	ND	0.400	"							
Selenium	ND	0.260	"							
Silver	ND	0.0200	"							
Zinc	ND	0.400	"							

LCS (BGD0557-BS1)

Prepared: 04/18/23 Analyzed: 04/23/23

Arsenic	35.2	0.200	mg/kg wet	40.0	88.1	80-120
Barium	36.9	0.400	"	40.0	92.3	80-120
Cadmium	1.90	0.200	"	2.00	95.1	80-120
Copper	39.6	0.400	"	40.0	99.1	80-120
Lead	18.5	0.200	"	20.0	92.7	80-120
Nickel	39.1	0.400	"	40.0	97.7	80-120
Selenium	4.09	0.260	"	4.00	102	80-120
Silver	1.94	0.0200	"	2.00	96.8	80-120
Zinc	37.9	0.400	"	40.0	94.7	80-120

Duplicate (BGD0557-DUP1)

Source: 2304257-01

Prepared: 04/18/23 Analyzed: 04/23/23

Arsenic	2.89	0.221	mg/kg dry	2.78	4.05	20
Barium	641	0.443	"	558	13.9	20
Cadmium	0.368	0.221	"	0.341	7.49	20
Copper	6.73	0.443	"	6.50	3.61	20
Lead	8.68	0.221	"	6.11	34.7	20
Nickel	3.37	0.443	"	3.10	8.16	20
Selenium	ND	0.260	"	ND		20
Silver	0.0230	0.0221	"	0.0208	10.1	20
Zinc	15.5	0.443	"	15.2	1.79	20

QR-04

Summit Scientific

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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

Total Metals by EPA 6020B - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD		Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit		

Batch BGD0557 - EPA 3050B

Matrix Spike (BGD0557-MS1)

Source: 2304257-01

Prepared: 04/18/23 Analyzed: 04/23/23

Arsenic	40.3	0.221	mg/kg dry	44.3	2.78	84.8	75-125			
Barium	719	0.443	"	44.3	558	365	75-125			QM-4X
Cadmium	2.44	0.221	"	2.21	0.341	94.6	75-125			
Copper	33.2	0.443	"	44.3	6.50	60.3	75-125			QM-07
Lead	26.9	0.221	"	22.1	6.11	93.8	75-125			
Nickel	30.1	0.443	"	44.3	3.10	60.9	75-125			QM-07
Selenium	3.98	0.260	"	4.43	ND	90.0	75-125			
Silver	2.07	0.0221	"	2.21	0.0208	92.6	75-125			
Zinc	42.8	0.443	"	44.3	15.2	62.3	75-125			QM-07

Matrix Spike Dup (BGD0557-MSD1)

Source: 2304257-01

Prepared: 04/18/23 Analyzed: 04/23/23

Arsenic	40.1	0.221	mg/kg dry	44.3	2.78	84.2	75-125	0.634	25	
Barium	713	0.443	"	44.3	558	352	75-125	0.814	25	QM-4X
Cadmium	2.44	0.221	"	2.21	0.341	95.0	75-125	0.363	25	
Copper	33.2	0.443	"	44.3	6.50	60.3	75-125	0.0213	25	QM-07
Lead	26.6	0.221	"	22.1	6.11	92.8	75-125	0.829	25	
Nickel	30.1	0.443	"	44.3	3.10	61.0	75-125	0.181	25	QM-07
Selenium	3.83	0.260	"	4.43	ND	86.5	75-125	3.90	25	
Silver	2.08	0.0221	"	2.21	0.0208	93.0	75-125	0.363	25	
Zinc	42.7	0.443	"	44.3	15.2	62.0	75-125	0.253	25	QM-07

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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

Hexavalent Chromium by EPA Method 7196 - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source	%REC		RPD		Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

Batch BGD0457 - 3060A Mod

Blank (BGD0457-BLK1)

Prepared & Analyzed: 04/14/23

Chromium, Hexavalent ND 0.30 mg/kg wet

LCS (BGD0457-BS1)

Prepared & Analyzed: 04/14/23

Chromium, Hexavalent 24.4 0.30 mg/kg wet 25.0 97.4 80-120

Duplicate (BGD0457-DUP1)

Source: 2304189-01

Prepared & Analyzed: 04/14/23

Chromium, Hexavalent ND 0.30 mg/kg dry ND 20

Matrix Spike (BGD0457-MS1)

Source: 2304189-01

Prepared & Analyzed: 04/14/23

Chromium, Hexavalent 24.4 0.30 mg/kg dry 26.3 ND 93.0 75-125

Matrix Spike Dup (BGD0457-MSD1)

Source: 2304189-01

Prepared & Analyzed: 04/14/23

Chromium, Hexavalent 24.5 0.30 mg/kg dry 26.3 ND 93.4 75-125 0.429 20

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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction - Quality Control

Summit Scientific

Analyte	Result	Reporting		Spike Level	Source Result	%REC		RPD		Notes
		Limit	Units			%REC	Limits	RPD	Limit	

Batch BGD0582 - General Preparation

Blank (BGD0582-BLK1)

Prepared: 04/18/23 Analyzed: 04/20/23

Calcium	ND	0.0500	mg/L wet
Magnesium	ND	0.0500	"
Sodium	ND	0.0500	"

LCS (BGD0582-BS1)

Prepared: 04/18/23 Analyzed: 04/20/23

Calcium	5.29	0.0500	mg/L wet	5.00	106	70-130
Magnesium	4.99	0.0500	"	5.00	99.8	70-130
Sodium	4.98	0.0500	"	5.00	99.7	70-130

Summit Scientific

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Fundare
 1811 East Mulberry St
 Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
 Project Manager: Levi Kirk

Reported:
 04/26/23 10:37

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control

Summit Scientific

Analyte	Result	Reporting		Spike	Source		%REC		RPD		Notes
		Limit	Units	Level	Result	%REC	Limits	RPD	Limit		

Batch BGD0469 - General Preparation

Duplicate (BGD0469-DUP1)		Source: 2304251-01		Prepared: 04/14/23 Analyzed: 04/16/23	
% Solids	76.8		%	76.8	0.0392 20

Summit Scientific

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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction - Quality Control

Summit Scientific

Analyte	Result	Reporting		Spike Level	Source		%REC		RPD		Notes
		Limit	Units		Result	%REC	Limits	RPD	Limit		

Batch BGD0607 - General Preparation

Blank (BGD0607-BLK1)

Prepared & Analyzed: 04/19/23

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BGD0607-BS1)

Prepared & Analyzed: 04/19/23

Specific Conductance (EC) 0.153 0.0100 mmhos/cm 0.150 102 95-105

Duplicate (BGD0607-DUP1)

Source: 2304257-01

Prepared & Analyzed: 04/19/23

Specific Conductance (EC) 2.28 0.0100 mmhos/cm 2.36 3.19 20

Summit Scientific

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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction - Quality Control

Summit Scientific

Analyte	Result	Reporting		Spike	Source	%REC		RPD		Notes
		Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

Batch BGD0603 - General Preparation

LCS (BGD0603-BS1)

Prepared & Analyzed: 04/19/23

pH	9.11	pH Units	9.18	99.2	95-105
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Duplicate (BGD0603-DUP1)

Source: 2304257-01

Prepared & Analyzed: 04/19/23

pH	7.64	pH Units	7.62	0.262	20
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Summit Scientific

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Fundare
1811 East Mulberry St
Fort Collins CO, 80525

Project: Wolf 35-2613H

Project Number: [none]
Project Manager: Levi Kirk

Reported:
04/26/23 10:37

Notes and Definitions

- Z-01 Sample dilution required due to high concentration of non-target compounds present in sample.
- QR-04 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- QM-4X The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS/LCSD recovery.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference