

June 23, 2023

Fundare

Levi Kirk

1613 Propect Park Way Suite 120

- - -

**Project Name - Wolf 35-2613H**

**Project Number - [none]**

Attached are your analytical results for Wolf 35-2613H received by Origins Laboratory, Inc. June 16, 2023. This project is associated with Origins project number Y306432-01.

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  
- - -

Levi Kirk  
Project Number: [none]  
Project: Wolf 35-2613H

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BACKGROUND-1@2'	Y306432-01	Soil	June 15, 2023 11:20	06/16/2023 09:40
BACKGROUND-1@4'	Y306432-02	Soil	June 15, 2023 11:25	06/16/2023 09:40
BACKGROUND-2@2'	Y306432-03	Soil	June 15, 2023 11:30	06/16/2023 09:40
BACKGROUND-2@4'	Y306432-04	Soil	June 15, 2023 11:35	06/16/2023 09:40
BACKGROUND-3@2'	Y306432-05	Soil	June 15, 2023 11:40	06/16/2023 09:40
BACKGROUND-3@4'	Y306432-06	Soil	June 15, 2023 11:45	06/16/2023 09:40
BACKGROUND-4@2'	Y306432-07	Soil	June 15, 2023 11:50	06/16/2023 09:40
BACKGROUND-4@4'	Y306432-08	Soil	June 15, 2023 11:55	06/16/2023 09:40

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Fundare  
1613 Propect Park Way Suite 120

Levi Kirk  
Project Number: [none]  
Project: Wolf 35-2613H

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page 1 of 1

4306432

**ORIGINS**  
LABORATORY, INC

Client: Fundare - Bill To MarCom  
Address: 1613 Prospect Park Way Suite 120

Telephone Number: 970-237-1415  
Email Address: Fundare@marcomilc.net

Send Invoice to: hatcher@marcomilc.net

Project Manager: Levi Kirk  
Project Name: WOLF 35-2613H  
Project Number:  
Samples Collected By: Blake R. Egan S.

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions	
				Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater	Soil	Air Summa #			Other
Background - 102'	6.15.23	1120	2	X				X				1	
Background - 104'		1125										2	
Background - 202'		1130										3	
Background - 204'		1135										4	
Background - 302'		1140										5	
Background - 304'		1145										6	
Background - 402'		1150										7	
Background - 404'		1155										8	
												9	
												10	

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

Relinquished By: [Signature]  
Date: 6.16.23  
Time: 9:40

Received By: [Signature]  
Date: 6.16.23  
Time: 9:40

Relinquished By: [Signature]  
Date: 6.16.23  
Time: 9:40

Received By: [Signature]  
Date: 6.16.23  
Time: 9:40

Date Results Needed

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

Origins Laboratory, Inc.

*Jefe Pellegrini*

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Fundare  
1613 Propect Park Way Suite 120

Levi Kirk  
Project Number: [none]  
Project: Wolf 35-2613H

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

**Sample Receipt Checklist**

Origins Work Order: 4300432 Client: Fundare  
 Checklist Completed by: TJVEHS Client Project ID: Wolf 35-2613H  
 Date/time completed: 01/19/12 Shipped Via: HD  
 (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, 6 °C / \_\_\_\_\_ °C / \_\_\_\_\_ °C (Describe) \_\_\_\_\_ °C  
 Thermometer ID: 7004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C <sup>(1)?</sup>	<input checked="" type="checkbox"/>			
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Were all samples received intact <sup>(1)?</sup>	<input checked="" type="checkbox"/>			
Was adequate sample volume provided <sup>(1)?</sup>	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)?</sup>		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely <sup>(1)?</sup>	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received <sup>(1)?</sup>	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC <sup>(1)?</sup>	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)?</sup>	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? <b>If yes, contact client and note in narrative.</b>			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked <sup>(1)?</sup> (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH >10 for samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH)			<input checked="" type="checkbox"/>	
Additional Comments (if any):				

<sup>(1)</sup>If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by JL (Project Manager) Date/Time Reviewed 1-20-12

Origins Laboratory, Inc.



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Fundare  
1613 Propect Park Way Suite 120  
- - -

Levi Kirk  
Project Number: [none]  
Project: Wolf 35-2613H

**BACKGROUND-1@2'**  
**6/15/2023 11:20:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y306432-01 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.550	0.102	mg/L	1	B3F1924	KAP	06/19/2023	06/20/2023
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**Metals by Saturated Paste by EPA 6010**

Calcium	3.48	0.499	meq/L	10	[CALC]	KAP	"	06/20/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	2.95	0.435	"	"	"	KAP	"	"

**pH in Soil by 9045D**

pH	8.36		pH Units	1	B3F1926	HJD	06/19/2023	06/20/2023
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**SAR by 20B Saturated Paste**

SAR	2.05		SAR	1	B3F1925	KAP	06/19/2023	06/20/2023
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.752	0.00500	mmhos/cm	1	B3F1926	HJD	06/19/2023	06/20/2023
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**Table 915 metals by EPA 6020B**

Arsenic	4.24	0.0911	mg/kg	10	B3F1923	CIH	06/19/2023	06/20/2023
Barium	380	9.11	"	"	"	CNG	"	"
Cadmium	0.211	0.0911	"	"	"	CIH	"	"
Chromium	9.95	9.11	"	"	"	CIH	"	"

Origins Laboratory, Inc.



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Levi Kirk  
Project Number: [none]  
Project: Wolf 35-2613H

**BACKGROUND-1@2'**  
**6/15/2023 11:20:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y306432-01 (Soil)**

**Table 915 metals by EPA 6020B**

Copper	10.2	9.11	mg/kg	10	B3F1923	CIH	06/19/2023	06/20/2023	
Lead	12.1	9.11	"	"	"	CIH	"	"	
Nickel	ND	9.11	"	"	"	CIH	"	"	U
Selenium	0.201	0.0911	"	"	"	CIH	"	"	
Silver	ND	0.0911	"	"	"	CIH	"	"	U
Zinc	ND	91.1	"	"	"	CIH	"	"	U

**Total Metals by 7196A**

Chromium, Hexavalent	ND	0.501	mg/Kg	1	L689176		06/15/2023	06/22/2023	
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Origins Laboratory, Inc.



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1613 Propect Park Way Suite 120

Levi Kirk  
Project Number: [none]  
Project: Wolf 35-2613H

**BACKGROUND-1@4'**  
**6/15/2023 11:25:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y306432-02 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.522	0.0992	mg/L	1	B3F1924	KAP	06/19/2023	06/20/2023
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**Metals by Saturated Paste by EPA 6010**

Calcium	2.95	0.499	meq/L	10	[CALC]	KAP	"	06/20/2023
Magnesium	0.830	0.823	"	"	"	KAP	"	"
Sodium	3.19	0.435	"	"	"	KAP	"	"

**pH in Soil by 9045D**

pH	8.27		pH Units	1	B3F1926	HJD	06/19/2023	06/20/2023
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**SAR by 20B Saturated Paste**

SAR	2.32		SAR	1	B3F1925	KAP	06/19/2023	06/20/2023
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.722	0.00500	mmhos/cm	1	B3F1926	HJD	06/19/2023	06/20/2023
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**Table 915 metals by EPA 6020B**

Arsenic	4.03	0.0943	mg/kg	10	B3F1923	CNG	06/19/2023	06/20/2023
Barium	306	9.43	"	"	"	CNG	"	"
Cadmium	0.208	0.0943	"	"	"	CNG	"	"
Chromium	ND	9.43	"	"	"	CNG	"	" U

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Levi Kirk  
Project Number: [none]  
Project: Wolf 35-2613H

**BACKGROUND-1@4'**  
**6/15/2023 11:25:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y306432-02 (Soil)**

**Table 915 metals by EPA 6020B**

Copper	ND	9.43	mg/kg	10	B3F1923	CNG	06/19/2023	06/20/2023	U
Lead	ND	9.43	"	"	"	CNG	"	"	U
Nickel	ND	9.43	"	"	"	CNG	"	"	U
Selenium	<b>0.138</b>	0.0943	"	"	"	CNG	"	"	
Silver	ND	0.0943	"	"	"	CNG	"	"	U
Zinc	ND	94.3	"	"	"	CNG	"	"	U

**Total Metals by 7196A**

Chromium, Hexavalent	ND	0.508	mg/Kg	1	L689176		06/15/2023	06/22/2023	
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Fundare  
1613 Propect Park Way Suite 120

Levi Kirk  
Project Number: [none]  
Project: Wolf 35-2613H

**BACKGROUND-2@2'**  
**6/15/2023 11:30:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y306432-03 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	ND	0.101	mg/L	1	B3F1924	KAP	06/19/2023	06/20/2023	U
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**Metals by Saturated Paste by EPA 6010**

Calcium	2.02	0.499	meq/L	10	[CALC]	KAP	"	06/20/2023	
Magnesium	ND	0.823	"	"	"	KAP	"	"	
Sodium	3.82	0.435	"	"	"	KAP	"	"	

**pH in Soil by 9045D**

pH	8.34		pH Units	1	B3F1926	HJD	06/19/2023	06/20/2023	
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**SAR by 20B Saturated Paste**

SAR	3.29		SAR	1	B3F1925	KAP	06/19/2023	06/20/2023	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.651	0.00500	mmhos/cm	1	B3F1926	HJD	06/19/2023	06/20/2023	
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**Table 915 metals by EPA 6020B**

Arsenic	4.21	0.0942	mg/kg	10	B3F1923	CNG	06/19/2023	06/20/2023	
Barium	385	9.42	"	"	"	CNG	"	"	
Cadmium	0.202	0.0942	"	"	"	CNG	"	"	

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1613 Propect Park Way Suite 120  
- - -

Levi Kirk  
Project Number: [none]  
Project: Wolf 35-2613H

**BACKGROUND-2@2'**  
**6/15/2023 11:30:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y306432-03 (Soil)**

**Table 915 metals by EPA 6020B**

Chromium	ND	9.42	mg/kg	10	B3F1923	CNG	06/19/2023	06/20/2023	U
Copper	11.8	9.42	"	"	"	CNG	"	"	
Lead	ND	9.42	"	"	"	CNG	"	"	U
Nickel	ND	9.42	"	"	"	CNG	"	"	U
Selenium	ND	0.0942	"	"	"	CNG	"	"	U
Silver	ND	0.0942	"	"	"	CNG	"	"	U
Zinc	ND	94.2	"	"	"	CNG	"	"	U

**Total Metals by 7196A**

Chromium, Hexavalent	ND	0.5	mg/Kg	1	L689176		06/15/2023	06/22/2023	
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Origins Laboratory, Inc.



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1613 Propect Park Way Suite 120  
- - -

Levi Kirk  
Project Number: [none]  
Project: Wolf 35-2613H

**BACKGROUND-2@4'**  
**6/15/2023 11:35:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y306432-04 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.321	0.100	mg/L	1	B3F1924	KAP	06/19/2023	06/20/2023
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**Metals by Saturated Paste by EPA 6010**

Calcium	4.05	0.499	meq/L	10	[CALC]	KAP	"	06/20/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	3.67	0.435	"	"	"	KAP	"	"

**pH in Soil by 9045D**

pH	7.99		pH Units	1	B3F1926	HJD	06/19/2023	06/20/2023
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**SAR by 20B Saturated Paste**

SAR	2.36		SAR	1	B3F1925	KAP	06/19/2023	06/20/2023
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.853	0.00500	mmhos/cm	1	B3F1926	HJD	06/19/2023	06/20/2023
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**Table 915 metals by EPA 6020B**

Arsenic	3.94	0.0889	mg/kg	10	B3F1923	CNG	06/19/2023	06/20/2023
Barium	290	8.89	"	"	"	CNG	"	"
Cadmium	0.218	0.0889	"	"	"	CNG	"	"
Chromium	9.77	8.89	"	"	"	CNG	"	"

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Levi Kirk  
Project Number: [none]  
Project: Wolf 35-2613H

**BACKGROUND-2@4'**  
**6/15/2023 11:35:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y306432-04 (Soil)**

**Table 915 metals by EPA 6020B**

Copper	10.5	8.89	mg/kg	10	B3F1923	CNG	06/19/2023	06/20/2023	
Lead	9.75	8.89	"	"	"	CNG	"	"	
Nickel	ND	8.89	"	"	"	CNG	"	"	U
Selenium	0.164	0.0889	"	"	"	CNG	"	"	
Silver	ND	0.0889	"	"	"	CNG	"	"	U
Zinc	ND	88.9	"	"	"	CNG	"	"	U

**Total Metals by 7196A**

Chromium, Hexavalent	ND	0.5	mg/Kg	1	L689176		06/15/2023	06/22/2023	
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Origins Laboratory, Inc.



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1613 Propect Park Way Suite 120  
- - -

Levi Kirk  
Project Number: [none]  
Project: Wolf 35-2613H

**BACKGROUND-3@2'**  
**6/15/2023 11:40:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y306432-05 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.174	0.101	mg/L	1	B3F1924	KAP	06/19/2023	06/20/2023	
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**Metals by Saturated Paste by EPA 6010**

Calcium	3.56	0.499	meq/L	10	[CALC]	KAP	"	06/20/2023	
Magnesium	0.992	0.823	"	"	"	KAP	"	"	
Sodium	3.62	0.435	"	"	"	KAP	"	"	

**pH in Soil by 9045D**

pH	8.20		pH Units	1	B3F1926	HJD	06/19/2023	06/20/2023	
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**SAR by 20B Saturated Paste**

SAR	2.40		SAR	1	B3F1925	KAP	06/19/2023	06/20/2023	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.798	0.00500	mmhos/cm	1	B3F1926	HJD	06/19/2023	06/20/2023	
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**Table 915 metals by EPA 6020B**

Arsenic	3.57	0.0893	mg/kg	10	B3F1923	CNG	06/19/2023	06/20/2023	
Barium	333	8.93	"	"	"	CNG	"	"	
Cadmium	0.180	0.0893	"	"	"	CNG	"	"	
Chromium	ND	8.93	"	"	"	CNG	"	"	U

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1613 Propect Park Way Suite 120  
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Levi Kirk  
Project Number: [none]  
Project: Wolf 35-2613H

**BACKGROUND-3@2'**  
**6/15/2023 11:40:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y306432-05 (Soil)**

**Table 915 metals by EPA 6020B**

Copper	9.81	8.93	mg/kg	10	B3F1923	CNG	06/19/2023	06/20/2023	
Lead	9.02	8.93	"	"	"	CNG	"	"	
Nickel	ND	8.93	"	"	"	CNG	"	"	U
Selenium	0.0991	0.0893	"	"	"	CNG	"	"	
Silver	ND	0.0893	"	"	"	CNG	"	"	U
Zinc	ND	89.3	"	"	"	CNG	"	"	U

**Total Metals by 7196A**

Chromium, Hexavalent	ND	0.5	mg/Kg	1	L689176		06/15/2023	06/22/2023	
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1613 Propect Park Way Suite 120  
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Levi Kirk  
Project Number: [none]  
Project: Wolf 35-2613H

**BACKGROUND-3@4'**  
**6/15/2023 11:45:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y306432-06 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.425	0.101	mg/L	1	B3F1924	KAP	06/19/2023	06/20/2023
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**Metals by Saturated Paste by EPA 6010**

Calcium	6.30	0.499	meq/L	10	[CALC]	KAP	"	06/20/2023
Magnesium	1.52	0.823	"	"	"	KAP	"	"
Sodium	3.50	0.435	"	"	"	KAP	"	"

**pH in Soil by 9045D**

pH	8.17		pH Units	1	B3F1926	HJD	06/19/2023	06/20/2023
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**SAR by 20B Saturated Paste**

SAR	1.77		SAR	1	B3F1925	KAP	06/19/2023	06/20/2023
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	1.14	0.00500	mmhos/cm	1	B3F1926	HJD	06/19/2023	06/20/2023
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**Table 915 metals by EPA 6020B**

Arsenic	4.52	0.0926	mg/kg	10	B3F1923	CNG	06/19/2023	06/20/2023
Barium	338	9.26	"	"	"	CNG	"	"
Cadmium	0.309	0.0926	"	"	"	CNG	"	"
Chromium	9.83	9.26	"	"	"	CNG	"	"

Origins Laboratory, Inc.



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Fundare  
1613 Propect Park Way Suite 120

Levi Kirk  
Project Number: [none]  
Project: Wolf 35-2613H

**BACKGROUND-3@4'**  
**6/15/2023 11:45:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y306432-06 (Soil)**

**Table 915 metals by EPA 6020B**

Copper	10.8	9.26	mg/kg	10	B3F1923	CNG	06/19/2023	06/20/2023	
Lead	11.7	9.26	"	"	"	CNG	"	"	
Nickel	ND	9.26	"	"	"	CNG	"	"	U
Selenium	0.149	0.0926	"	"	"	CNG	"	"	
Silver	ND	0.0926	"	"	"	CNG	"	"	U
Zinc	ND	92.6	"	"	"	CNG	"	"	U

**Total Metals by 7196A**

Chromium, Hexavalent	ND	0.517	mg/Kg	1	L689176		06/15/2023	06/22/2023	
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Levi Kirk  
Project Number: [none]  
Project: Wolf 35-2613H

**BACKGROUND-4@2'**  
**6/15/2023 11:50:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y306432-07 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	ND	0.100	mg/L	1	B3F1924	KAP	06/19/2023	06/20/2023	U
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**Metals by Saturated Paste by EPA 6010**

Calcium	2.60	0.499	meq/L	10	[CALC]	KAP	"	06/20/2023	
Magnesium	ND	0.823	"	"	"	KAP	"	"	
Sodium	6.34	0.435	"	"	"	KAP	"	"	

**pH in Soil by 9045D**

pH	8.26		pH Units	1	B3F1926	HJD	06/19/2023	06/20/2023	
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**SAR by 20B Saturated Paste**

SAR	4.86		SAR	1	B3F1925	KAP	06/19/2023	06/20/2023	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	1.06	0.00500	mmhos/cm	1	B3F1926	HJD	06/19/2023	06/20/2023	
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**Table 915 metals by EPA 6020B**

Arsenic	4.54	0.0860	mg/kg	10	B3F1923	CNG	06/19/2023	06/20/2023	
Barium	371	8.60	"	"	"	CNG	"	"	
Cadmium	0.297	0.0860	"	"	"	CNG	"	"	

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Levi Kirk  
Project Number: [none]  
Project: Wolf 35-2613H

**BACKGROUND-4@2'**  
**6/15/2023 11:50:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y306432-07 (Soil)**

**Table 915 metals by EPA 6020B**

Chromium	ND	8.60	mg/kg	10	B3F1923	CNG	06/19/2023	06/20/2023	U
Copper	11.0	8.60	"	"	"	CNG	"	"	
Lead	10.6	8.60	"	"	"	CNG	"	"	
Nickel	ND	8.60	"	"	"	CNG	"	"	U
Selenium	ND	0.0860	"	"	"	CNG	"	"	U
Silver	ND	0.0860	"	"	"	CNG	"	"	U
Zinc	ND	86.0	"	"	"	CNG	"	"	U

**Total Metals by 7196A**

Chromium, Hexavalent	ND	0.5	mg/Kg	1	L689176		06/15/2023	06/22/2023	
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Levi Kirk  
Project Number: [none]  
Project: Wolf 35-2613H

**BACKGROUND-4@4'**  
**6/15/2023 11:55:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y306432-08 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	ND	0.102	mg/L	1	B3F1924	KAP	06/19/2023	06/20/2023	U
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**Metals by Saturated Paste by EPA 6010**

Calcium	2.05	0.499	meq/L	10	[CALC]	KAP	"	06/20/2023	
Magnesium	ND	0.823	"	"	"	KAP	"	"	
Sodium	5.33	0.435	"	"	"	KAP	"	"	

**pH in Soil by 9045D**

pH	8.35		pH Units	1	B3F1926	HJD	06/19/2023	06/20/2023	
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**SAR by 20B Saturated Paste**

SAR	4.65		SAR	1	B3F1925	KAP	06/19/2023	06/20/2023	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.821	0.00500	mmhos/cm	1	B3F1926	HJD	06/19/2023	06/20/2023	
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**Table 915 metals by EPA 6020B**

Arsenic	4.26	0.0907	mg/kg	10	B3F1923	CNG	06/19/2023	06/20/2023	
Barium	419	9.07	"	"	"	CNG	"	"	
Cadmium	0.236	0.0907	"	"	"	CNG	"	"	

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- - -

Levi Kirk  
Project Number: [none]  
Project: Wolf 35-2613H

**BACKGROUND-4@4'**  
**6/15/2023 11:55:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y306432-08 (Soil)**

**Table 915 metals by EPA 6020B**

Chromium	ND	9.07	mg/kg	10	B3F1923	CNG	06/19/2023	06/20/2023	U
Copper	11.2	9.07	"	"	"	CNG	"	"	
Lead	ND	9.07	"	"	"	CNG	"	"	U
Nickel	ND	9.07	"	"	"	CNG	"	"	U
Selenium	ND	0.0907	"	"	"	CNG	"	"	U
Silver	ND	0.0907	"	"	"	CNG	"	"	U
Zinc	ND	90.7	"	"	"	CNG	"	"	U

**Total Metals by 7196A**

Chromium, Hexavalent	ND	0.5	mg/Kg	1	L689176		06/15/2023	06/22/2023	
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Levi Kirk  
Project Number: [none]  
Project: Wolf 35-2613H

**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 B3F1923 - EPA 3050B**

**Blank (B3F1923-BLK1)**

Prepared: 06/19/2023 Analyzed: 06/20/2023

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

**LCS (B3F1923-BS1)**

Prepared: 06/19/2023 Analyzed: 06/20/2023

Arsenic	0.0536	0.000100	mg/kg	0.0500		107	80-120			
Barium	5.40	0.0100	"	5.00		108	80-120			
Cadmium	0.0520	0.000100	"	0.0500		104	80-120			
Chromium	0.0540	0.0100	"	0.0500		108	80-120			
Copper	0.505	0.0100	"	0.500		101	80-120			
Lead	0.0513	0.0100	"	0.0500		103	80-120			
Nickel	0.0556	0.0100	"	0.0500		111	80-120			
Selenium	0.0527	0.000100	"	0.0500		105	80-120			
Silver	0.0488	0.000100	"	0.0500		97.7	80-120			
Zinc	0.548	0.100	"	0.500		110	80-120			

**Matrix Spike (B3F1923-MS1)**

**Source: Y306432-01**

Prepared: 06/19/2023 Analyzed: 06/20/2023

Arsenic	10.3	0.0941	mg/kg	4.71	4.24	129	75-125			QM-07
Barium	784	9.41	"	471	380	86.0	75-125			
Cadmium	4.79	0.0941	"	4.71	0.211	97.4	75-125			

Origins Laboratory, Inc.



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Levi Kirk  
Project Number: [none]  
Project: Wolf 35-2613H

**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 B3F1923 - EPA 3050B**

<b>Matrix Spike (B3F1923-MS1)</b>		<b>Source: Y306432-01</b>			<b>Prepared: 06/19/2023 Analyzed: 06/20/2023</b>					
Chromium	13.8	9.41	mg/kg	4.71	9.95	82.4	75-125			
Copper	42.9	9.41	"	47.1	10.2	69.5	75-125			QM-07
Lead	14.9	9.41	"	4.71	12.1	59.4	75-125			QM-07
Nickel	11.5	9.41	"	4.71	7.56	83.3	75-125			
Selenium	4.69	0.0941	"	4.71	0.201	95.3	75-125			
Silver	4.20	0.0941	"	4.71	0.0173	89.0	75-125			
Zinc	89.0	94.1	"	47.1	45.8	91.7	75-125			U
<b>Matrix Spike Dup (B3F1923-MSD1)</b>		<b>Source: Y306432-01</b>			<b>Prepared: 06/19/2023 Analyzed: 06/20/2023</b>					
Arsenic	8.95	0.0948	mg/kg	4.74	4.24	99.4	75-125	14.0	20	
Barium	808	9.48	"	474	380	90.3	75-125	2.97	20	
Cadmium	5.16	0.0948	"	4.74	0.211	104	75-125	7.35	20	
Chromium	15.1	9.48	"	4.74	9.95	108	75-125	8.60	20	
Copper	50.0	9.48	"	47.4	10.2	83.9	75-125	15.2	20	
Lead	13.7	9.48	"	4.74	12.1	33.3	75-125	8.50	20	QM-07
Nickel	12.8	9.48	"	4.74	7.56	110	75-125	10.6	20	
Selenium	5.11	0.0948	"	4.74	0.201	103	75-125	8.59	20	
Silver	4.55	0.0948	"	4.74	0.0173	95.7	75-125	7.96	20	
Zinc	94.5	94.8	"	47.4	45.8	103	75-125	6.08	20	U

Origins Laboratory, Inc.



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Levi Kirk  
Project Number: [none]  
Project: Wolf 35-2613H

**Classical Chemistry Parameters - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B3F1924 - DTPA Sorbitol Preparation</b>										
<b>Blank (B3F1924-BLK1)</b>					Prepared: 06/19/2023 Analyzed: 06/20/2023					
Boron	ND	0.100	mg/L							U
<b>Duplicate (B3F1924-DUP1)</b>		<b>Source: Y306417-03</b>			Prepared: 06/19/2023 Analyzed: 06/20/2023					
Boron	0.231	0.102	mg/L		0.315			30.9	50	
<b>Batch B3F1925 - Saturated Paste Metals</b>										
<b>Blank (B3F1925-BLK1)</b>					Prepared: 06/19/2023 Analyzed: 06/20/2023					
SAR	0.00		SAR							U
Calcium PPM	ND	10.0	mg/L							U
Magnesium PPM	ND	10.0	"							U
Sodium PPM	ND	10.0	"							U
<b>Duplicate (B3F1925-DUP1)</b>		<b>Source: Y306417-01</b>			Prepared: 06/19/2023 Analyzed: 06/20/2023					
SAR	0.00		SAR		4.47			200	200	U
Calcium PPM	235	10.0	mg/L		184			24.6	50	
Magnesium PPM	75.0	10.0	"		81.1			7.81	50	
Sodium PPM	318	10.0	"		289			9.48	50	

Origins Laboratory, Inc.



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Levi Kirk  
Project Number: [none]  
Project: Wolf 35-2613H

**Saturated Paste - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B3F1926 - Saturated Paste pH/EC</b>										
<b>Blank (B3F1926-BLK1)</b>					Prepared: 06/19/2023 Analyzed: 06/20/2023					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							U
<b>Duplicate (B3F1926-DUP1)</b>		<b>Source: Y306417-01</b>			Prepared: 06/19/2023 Analyzed: 06/20/2023					
Specific Conductance (EC)	2.93	0.00500	mmhos/cm		2.68			9.21	25	
pH	8.85		pH Units		8.52			3.80	25	

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Fundare  
1613 Propect Park Way Suite 120  
- - -

Levi Kirk  
Project Number: [none]  
Project: Wolf 35-2613H

**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
<b>Batch L689176 -</b>										
<b>DUP (L 88742-DUP)</b>		<b>Source: Y306432-03</b>			Prepared: Analyzed: 06/22/2023					
Chromium, Hexavalent	ND	0.519	mg/Kg		<0.519		-	0	20	
<b>MS (L 88742-MS)</b>		<b>Source: Y306432-03</b>			Prepared: Analyzed: 06/22/2023					
Chromium, Hexavalent	34.6	2.57	mg/Kg	41.2	<1.25	84	75-125			
<b>LCS (LCS)</b>		Prepared: Analyzed: 06/22/2023								
Chromium, Hexavalent	6.73	0.5	mg/Kg	8		84	75-125			
<b>LRB (LRB)</b>		Prepared: Analyzed: 06/22/2023								
Chromium, Hexavalent	ND	0.5	mg/Kg				-			

Origins Laboratory, Inc.



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Levi Kirk  
Project Number: [none]  
Project: Wolf 35-2613H

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**Notes and Definitions**

U Sample is Non-Detect.

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

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager