



Eagle Environmental Consulting, LLC  
Dan Coloccia  
8000 W 44th Ave  
Wheat Ridge CO 80033

September 23, 2024

Project Name - KMG - Fehr 7-32

Project Number - [none]

Attached are your analytical results for KMG - Fehr 7-32 received by Origins Laboratory September 11, 2024. This project is associated with Origins project number E409295-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory  
303.433.1322  
projectmanager@originslab.com



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

Eagle Environmental Consulting, LLC  
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Wheat Ridge CO 80033

Dan Coloccia  
Project Number: [none]  
Project: KMG - Fehr 7-32

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-B01-01@6'	E409295-01	Soil	September 11, 2024 9:40	09/11/2024 16:24
FL-B01-01@4'	E409295-02	Soil	September 11, 2024 9:50	09/11/2024 16:24

Origins Laboratory



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Page 1 of 1

ORIGINS WORK ORDER #  
**E409295**

**ORIGINS**  
 LABORATORY LLC INC  
 Client: Eagle Environmental (604)  
 Address: 8000 W 44th Ave  
 Wheat Ridge CO 80033  
 Telephone Number: 303-433-0474  
 Email Address: d.coloccia@eagle-enviro.com


Project Manager: D Coloccia  
 Project Name: Fehr 7-32  
 Project Number: -  
 Collected By: PO  
 Invoice/Billing Info: Initial

S=Soil | SO=Solid | O=Oil | A=Air | G=Gas | UNP=Unpres | HCL= Hydrochloric | HNO3=Nitric | H2SO4=Sulfuric | NaOH=Sodium Hydroxide  
 W=Water  
 GW=Groundwater  
 SW=Surface Water  
 WW=Waste Water  
 L=Liquid

#	Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix	Preservative	Analysis			Comments
							I	C	A	
1	WH-304-0106	9/1/24	0840	3	S	UNP	*	X		* Run for pH, Hold for all other analysis
2	FL-304-0104	9/1/24	0850	1	L	L	*	X		Per added to both samples per the email from Orin Strub on 9/12/24 DP
3										
4										
5										
6										
7										
8										
9										
10										

Relinquished By:	Date:	Time:	Received By:	Date:	Time:	Turnaround Time
JKL	9/1/24	1624	ED	9/11/24	1624	<input checked="" type="checkbox"/> SAME DAY <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr
						<input type="checkbox"/> Standard

Temp Received: 3 | Received On Ice?  Yes  No

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Origins Laboratory

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

**Sample Receipt Checklist**

Origins Work Order: E409295

Client: Eagle

Client Project ID: Fehr

Checklist Completed by: DHO

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

Date/time completed: 9/11/24

Airbill #: \_\_\_\_\_

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

Cooler Number/Temperature: 1 / 13.1 °C \_\_\_\_\_ °C \_\_\_\_\_ °C (Describe) \_\_\_\_\_ °C

Thermometer ID: T005

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? If yes, contact client and note in narrative.			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked <sup>(1)</sup> ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)(pH ≤ 2 for samples preserved with HNO <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH > 10 for samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH)			<input checked="" type="checkbox"/>	
Additional Comments (if any):				

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

Reviewed by (Project Manager) DHO

Date/Time Reviewed 9/11/24

Origins Laboratory

*J. Bynon*

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 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: [none]  
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**WH-B01-01@6'**

**9/11/2024 9:40:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
**E409295-01 (Soil)**

**pH in Soil by 9045D**

pH	8.00			pH Units	1	B411628	09/16/2024	09/18/2024	
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**Table 915 metals by EPA 6020B**

Barium	951		9.34	mg/kg	10	B411301	09/13/2024	09/13/2024	
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**FL-B01-01@4'**

**9/11/2024 9:50:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
**E409295-02 (Soil)**

**pH in Soil by 9045D**

pH	8.21			pH Units	1	B411628	09/16/2024	09/18/2024	
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**Table 915 metals by EPA 6020B**

Barium	188		9.05	mg/kg	10	B411301	09/13/2024	09/13/2024	
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**Metals by EPA 6000/7000 Series Methods - Quality Control  
 Origins Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B4I1301 - EPA 3050B</b>										
<b>Blank (B4I1301-BLK1)</b>					Prepared: 09/13/2024 Analyzed: 09/13/2024					
Barium	ND	10.0	mg/kg							
<b>LCS (B4I1301-BS1)</b>					Prepared: 09/13/2024 Analyzed: 09/13/2024					
Barium	485	10.0	mg/kg	500		97.0	80-120			
<b>Matrix Spike (B4I1301-MS1)</b>					Source: E409308-06 Prepared: 09/13/2024 Analyzed: 09/13/2024					
Barium	712	9.56	mg/kg	478	187	110	75-125			
<b>Matrix Spike Dup (B4I1301-MSD1)</b>					Source: E409308-06 Prepared: 09/13/2024 Analyzed: 09/13/2024					
Barium	685	9.24	mg/kg	462	187	108	75-125	3.78	20	

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B4I1628 - Saturated Paste pH/EC**

**Duplicate (B4I1628-DUP1)**

**Source: E409288-01**

Prepared: 09/16/2024 Analyzed: 09/18/2024

pH	8.25		pH Units		8.27			0.242	25	
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Jordan A. Bynon, Project Manager

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### Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

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Jordan A. Bynon, Project Manager