



April 11, 2024

Eagle Environmental Consulting, LLC

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - Fehr 26-32

Project Number - [none]

Attached are your analytical results for KMG - Fehr 26-32 received by Origins Laboratory, Inc. February 15, 2024. This project is associated with Origins project number Y402387-01.

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



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

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

Dan Coloccia  
Project Number: [none]  
Project: KMG - Fehr 26-32

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-BG05@6'	Y402387-01	Soil	February 15, 2024 9:05	02/15/2024 15:30
WH-BG05@8'	Y402387-02	Soil	February 15, 2024 9:08	02/15/2024 15:30
WH-BG06@6'	Y402387-03	Soil	February 15, 2024 9:12	02/15/2024 15:30
WH-BG06@8'	Y402387-04	Soil	February 15, 2024 9:14	02/15/2024 15:30
WH-BG07@6'	Y402387-05	Soil	February 15, 2024 9:16	02/15/2024 15:30
WH-BG07@8'	Y402387-06	Soil	February 15, 2024 9:18	02/15/2024 15:30
WH-BG08@6'	Y402387-07	Soil	February 15, 2024 9:20	02/15/2024 15:30
WH-BG08@8'	Y402387-08	Soil	February 15, 2024 9:22	02/15/2024 15:30

Origins Laboratory, Inc.



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 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: [none]  
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402377  
Impacted

page 1 of 1

Client: Eagle Environmental (C&S)  
 Address: 8000 W 44th Ave  
 Wheat Ridge, CO 80033  
 Telephone Number: 303-433-0479  
 Email Address: dcoloccia@eagle-env.com

Project Manager: D. Coloccia  
 Project Name: Fehr 26-32  
 Project Number: -  
 Samples Collected By: CB

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative			Matrix			Analysis	Sample Instructions
				Unpreserved	HCl	HNO <sub>3</sub>	Soil	Air/Surface	Other		
WH-13605061	2/15/24	0905	2	X			X				As phase added to all samples per Hires email on 1/11/24
WH-13605061		0908									
WH-13605061		0912									
WH-13605061		0914									
WH-13605061		0916									
WH-13605061		0918									
WH-13605061		0920									
WH-13605061		0922									
Relinquished By: Chris Beck	Date: 2/15/24	Time: 1530		Received By: [Signature]	Date: 2/15/24	Time: 1530		Received By: [Signature]	Date: 2/15/24	Time: 1530	Unround Time: Same Day <input checked="" type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input type="checkbox"/>
Relinquished By:	Date:	Time:		Received By:	Date:	Time:		Received By:	Date:	Time:	

Temp Received: 0 Data Results Needed

Origins Laboratory, Inc.

*Bynon*

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Dan Coloccia  
 Project Number: [none]  
 Project: KMG - Fehr 26-32

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

**Sample Receipt Checklist**

Origins Work Order: 4402387 Client: Eagle  
 Client Project ID: Fehr 26-32

Checklist Completed by: EHS Shipped Via: HO  
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 2/15/24 Airbill #: N/A

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

Cooler Number/Temperature: 1 / 10°c \_\_\_\_\_ °c \_\_\_\_\_ °c (Describe) \_\_\_\_\_ °c

Thermometer ID: T004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C <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, TrAc+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.

[Signature]  
 Reviewed by (Project Manager)

2/15/24  
 Date/Time Reviewed

Origins Laboratory, Inc.

[Signature]

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

Dan Coloccia  
 Project Number: [none]  
 Project: KMG - Fehr 26-32

**WH-BG05@6'**  
**2/15/2024 9:05:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y402387-01 (Soil)**

**Table 915 metals by EPA 6020B**

Arsenic	2.65	0.0962	mg/kg	10	B4B1532	HJD	02/15/2024	02/20/2024	
Barium	58.4	9.62	"	"	"	HJD	"	"	
Lead	5.79	0.962	"	"	"	HJD	"	"	
Selenium	0.151	0.0962	"	"	"	HJD	"	"	

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Dan Coloccia  
Project Number: [none]  
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**WH-BG05@8'**

**2/15/2024 9:08:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y402387-02 (Soil)**

**Table 915 metals by EPA 6020B**

Arsenic	2.24	0.0879	mg/kg	10	B4B1532	HJD	02/15/2024	02/20/2024	
Barium	49.5	8.79	"	"	"	HJD	"	"	
Lead	4.64	0.879	"	"	"	HJD	"	"	
Selenium	ND	0.0879	"	"	"	HJD	"	"	

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**WH-BG06@6'**  
**2/15/2024 9:12:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y402387-03 (Soil)**

**Table 915 metals by EPA 6020B**

Arsenic	<b>2.83</b>	0.0983	mg/kg	10	B4B1532	HJD	02/15/2024	02/20/2024	
Barium	<b>52.7</b>	9.83	"	"	"	HJD	"	"	
Lead	<b>10.3</b>	0.983	"	"	"	HJD	"	"	
Selenium	<b>0.189</b>	0.0983	"	"	"	HJD	"	"	

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 Project: KMG - Fehr 26-32

**WH-BG06@8'**  
**2/15/2024 9:14:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y402387-04 (Soil)**

**Table 915 metals by EPA 6020B**

Arsenic	2.85	0.0944	mg/kg	10	B4B1532	HJD	02/15/2024	02/20/2024	
Barium	63.8	9.44	"	"	"	HJD	"	"	
Lead	6.83	0.944	"	"	"	HJD	"	"	
Selenium	0.126	0.0944	"	"	"	HJD	"	"	

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**WH-BG07@6'**

**2/15/2024 9:16:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y402387-05 (Soil)**

**Table 915 metals by EPA 6020B**

Arsenic	2.15	0.0869	mg/kg	10	B4B1532	HJD	02/15/2024	02/20/2024	
Barium	55.7	8.69	"	"	"	HJD	"	"	
Lead	6.78	0.869	"	"	"	HJD	"	"	
Selenium	0.186	0.0869	"	"	"	HJD	"	"	

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**WH-BG07@8'**

**2/15/2024 9:18:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y402387-06 (Soil)**

**Table 915 metals by EPA 6020B**

Arsenic	<b>3.28</b>	0.0963	mg/kg	10	B4B1532	HJD	02/15/2024	02/20/2024	
Barium	<b>82.2</b>	9.63	"	"	"	HJD	"	"	
Lead	<b>11.3</b>	0.963	"	"	"	HJD	"	"	
Selenium	<b>0.157</b>	0.0963	"	"	"	HJD	"	"	

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**WH-BG08@6'**  
**2/15/2024 9:20:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y402387-07 (Soil)**

**Table 915 metals by EPA 6020B**

Arsenic	2.78	0.0835	mg/kg	10	B4B1532	HJD	02/15/2024	02/20/2024	
Barium	62.3	8.35	"	"	"	HJD	"	"	
Lead	6.47	0.835	"	"	"	HJD	"	"	
Selenium	ND	0.0835	"	"	"	HJD	"	"	

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Project: KMG - Fehr 26-32

**WH-BG08@8'**

**2/15/2024 9:22:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y402387-08 (Soil)**

**Table 915 metals by EPA 6020B**

Arsenic	2.30	0.0940	mg/kg	10	B4B1532	HJD	02/15/2024	02/20/2024	
Barium	66.7	9.40	"	"	"	HJD	"	"	
Lead	7.23	0.940	"	"	"	HJD	"	"	
Selenium	ND	0.0940	"	"	"	HJD	"	"	

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 Project: KMG - Fehr 26-32

**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
<b>Batch B4B1532 - EPA 3050B</b>										
<b>Blank (B4B1532-BLK1)</b> <span style="float: right;">Prepared: 02/15/2024 Analyzed: 02/27/2024</span>										
Arsenic	ND	0.290	mg/kg							
Barium	ND	1.00	"							
Lead	ND	0.100	"							
Selenium	ND	0.100	"							
<b>LCS (B4B1532-BS1)</b> <span style="float: right;">Prepared: 02/15/2024 Analyzed: 02/20/2024</span>										
Arsenic	4.63	0.0290	mg/kg	5.00		92.7	80-120			
Barium	574	1.00	"	500		115	80-120			
Lead	5.30	0.100	"	5.00		106	80-120			
Selenium	4.58	0.0260	"	5.00		91.5	80-120			
<b>Matrix Spike (B4B1532-MS1)</b> <span style="float: right;">Source: Y402377-01 Prepared: 02/15/2024 Analyzed: 02/27/2024</span>										
Arsenic	8.00	0.264	mg/kg	4.55	2.35	124	75-125			
Barium	560	9.10	"	455	57.9	110	75-125			
Lead	10.4	0.910	"	4.55	5.57	107	75-125			
Selenium	5.87	0.0910	"	4.55	ND	129	75-125			QM-07
<b>Matrix Spike Dup (B4B1532-MSD1)</b> <span style="float: right;">Source: Y402377-01 Prepared: 02/15/2024 Analyzed: 02/27/2024</span>										
Arsenic	7.92	0.269	mg/kg	4.64	2.35	120	75-125	0.969	20	
Barium	570	9.29	"	464	57.9	110	75-125	1.81	20	
Lead	11.4	0.929	"	4.64	5.57	125	75-125	8.68	20	
Selenium	5.83	0.0929	"	4.64	ND	125	75-125	0.822	20	

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### Notes and Definitions

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.

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Jordan A. Bynon, Project Manager