



February 27, 2024

Eagle Environmental Consulting, LLC

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - REI H 9-32D, REI H 9-33D Project Number - [none]

Attached are your analytical results for KMG - REI H 9-32D, REI H 9-33D received by Origins Laboratory, Inc. February 12, 2024. This project is associated with Origins project number Y402291-01.

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 - REI H 9-32D, REI H 9-33D

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FL-BG06@8'	Y402291-01	Soil	February 12, 2024 13:30	02/12/2024 16:40
FL-BG06@12'	Y402291-02	Soil	February 12, 2024 13:32	02/12/2024 16:40
FL-BG07@8'	Y402291-03	Soil	February 12, 2024 13:34	02/12/2024 16:40
FL-BG07@12'	Y402291-04	Soil	February 12, 2024 13:36	02/12/2024 16:40
FL-BG08@8'	Y402291-05	Soil	February 12, 2024 13:38	02/12/2024 16:40
FL-BG08@12'	Y402291-06	Soil	February 12, 2024 13:40	02/12/2024 16:40
FL-BG09@8'	Y402291-07	Soil	February 12, 2024 13:42	02/12/2024 16:40
FL-BG09@12'	Y402291-08	Soil	February 12, 2024 13:44	02/12/2024 16:40

Origins Laboratory, Inc.



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# ORIGINS LABORATORY, INC

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

Dan Coloccia  
Project Number: [none]  
Project: KMG - REI H 9-32D, REI H 9-33D

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

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 Canister #	Other	pH	
FL-B606E8	2/12/24	1336	3	X					X		X	X	
FL-B607E8		1335											
FL-B607E11		1336											
FL-B608E8		1338											
FL-B608E11		1340											
FL-B609E8		1342											
FL-B609E11		1344											
Relinquished by: <i>Chris Sorek</i>	Date: 2/12/24	Time: 1040	Received by: <i>DC</i>	Date: 2/12/24	Time: 1040	Unground Time: <input type="checkbox"/> 48 Hr <input type="checkbox"/> 24 Hr <input type="checkbox"/> 12 Hr							

Temp Received: 3  
Date Reqs Needed

Client: Eagle Environmental (LWS)  
Address: 8000 W 44th Ave  
Wheat Ridge, CO 80033  
Telephone Number: 303-433-1111  
Email Address: dcoloccia@origins-lab.com  
Project Manager: D Coloccia  
Project Name: REI H 9-32D, REI H 9-33D  
Project Number: [none]  
Samples Collected by: CS



1402291

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page 1 of 1

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*Bynon*

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Jordan A. Bynon, Project Manager

# ORIGINS LABORATORY, INC

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

Dan Coloccia  
Project Number: [none]  
Project: KMG - REI H 9-32D, REI H 9-33D

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

**Sample Receipt Checklist**

Origins Work Order: 44022011 Client: EDGE  
Client Project ID: REI H 9-32 D A 33

Checklist Completed by: JM/AS Shipped Via: TUD  
Date/time completed: 2/12/24 Airbill #: N/A  
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

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

Cooler Number/Temperature: 1, 3 °C / \_\_\_\_\_ °C / \_\_\_\_\_ °C (Describe) °C

Thermometer ID: 1004

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 sub-contraction analysis 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"/>	
<b>Additional Comments (if any):</b>				

<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) [Signature] Date/Time Reviewed 2/12/24

Origins Laboratory, Inc.

*[Signature]*

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Jordan A. Bynon, Project Manager



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

Dan Coloccia  
Project Number: [none]  
Project: KMG - REI H 9-32D, REI H 9-33D

FL-BG06@8'

2/12/2024 1:30:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y402291-01 (Soil)

**pH in Soil by 9045D**

pH	8.26		pH Units	1	B4B1709	GCG	02/17/2024	02/18/2024	
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**Table 915 metals by EPA 6020B**

Arsenic	3.90	0.0878	mg/kg	10	B4B1234	HJD	02/12/2024	02/17/2024	
Barium	94.3	8.78	"	"	"	HJD	"	"	

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FL-BG06@12'  
2/12/2024 1:32:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y402291-02 (Soil)

**pH in Soil by 9045D**

pH	8.35		pH Units	1	B4B1709	GCG	02/17/2024	02/18/2024	
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**Table 915 metals by EPA 6020B**

Arsenic	5.17	0.0989	mg/kg	10	B4B1234	HJD	02/12/2024	02/17/2024	
Barium	117	9.89	"	"	"	HJD	"	"	

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FL-BG07@8'

2/12/2024 1:34:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y402291-03 (Soil)

**pH in Soil by 9045D**

pH	8.24	pH Units	1	B4B1709	GCG	02/17/2024	02/18/2024
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**Table 915 metals by EPA 6020B**

Arsenic	4.66	0.0895	mg/kg	10	B4B1234	HJD	02/12/2024	02/17/2024
Barium	260	8.95	"	"	"	HJD	"	"

Origins Laboratory, Inc.  
*Bynon*

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Wheat Ridge CO 80033

Dan Coloccia  
Project Number: [none]  
Project: KMG - REI H 9-32D, REI H 9-33D

FL-BG07@12'  
2/12/2024 1:36:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y402291-04 (Soil)

**pH in Soil by 9045D**

pH	8.17		pH Units	1	B4B1709	GCG	02/17/2024	02/18/2024	
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**Table 915 metals by EPA 6020B**

Arsenic	4.91	0.0893	mg/kg	10	B4B1234	HJD	02/12/2024	02/17/2024	
Barium	121	8.93	"	"	"	HJD	"	"	

Origins Laboratory, Inc.  
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Project Number: [none]  
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FL-BG08@8'

2/12/2024 1:38:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y402291-05 (Soil)

**pH in Soil by 9045D**

pH	8.34		pH Units	1	B4B1709	GCG	02/17/2024	02/18/2024	
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**Table 915 metals by EPA 6020B**

Arsenic	5.25	0.0913	mg/kg	10	B4B1234	HJD	02/12/2024	02/17/2024	
Barium	154	9.13	"	"	"	HJD	"	"	

Origins Laboratory, Inc.  
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Jordan A. Bynon, Project Manager



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Dan Coloccia  
Project Number: [none]  
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FL-BG08@12'  
2/12/2024 1:40:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y402291-06 (Soil)

**pH in Soil by 9045D**

pH	8.38		pH Units	1	B4B1709	GCG	02/17/2024	02/18/2024	
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**Table 915 metals by EPA 6020B**

Arsenic	5.02	0.0940	mg/kg	10	B4B1234	HJD	02/12/2024	02/17/2024	
Barium	210	9.40	"	"	"	HJD	"	"	

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Dan Coloccia  
Project Number: [none]  
Project: KMG - REI H 9-32D, REI H 9-33D

FL-BG09@8'

2/12/2024 1:42:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y402291-07 (Soil)

**pH in Soil by 9045D**

pH	8.18		pH Units	1	B4B1709	GCG	02/17/2024	02/18/2024	
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**Table 915 metals by EPA 6020B**

Arsenic	5.04	0.0930	mg/kg	10	B4B1234	HJD	02/12/2024	02/17/2024	
Barium	254	9.30	"	"	"	HJD	"	"	

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*Bynon*

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8000 W 44th Ave  
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Project Number: [none]  
Project: KMG - REI H 9-32D, REI H 9-33D

FL-BG09@12'  
2/12/2024 1:44:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y402291-08 (Soil)**

**pH in Soil by 9045D**

pH	8.28		pH Units	1	B4B1709	GCG	02/17/2024	02/18/2024	
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**Table 915 metals by EPA 6020B**

Arsenic	4.79	0.0967	mg/kg	10	B4B1234	HJD	02/12/2024	02/17/2024	
Barium	156	9.67	"	"	"	HJD	"	"	

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**Metals by EPA 6000/7000 Series Methods - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B4B1234 - EPA 3050B**

Prepared: 02/12/2024 Analyzed: 02/17/2024

**Blank (B4B1234-BLK1)**

Arsenic	ND	0.0100	mg/kg							
Barium	ND	1.00	"							

**LCS (B4B1234-BS1)**

Prepared: 02/12/2024 Analyzed: 02/17/2024

Arsenic	4.95	0.0100	mg/kg	5.00		99.1	80-120			
Barium	485	1.00	"	500		97.0	80-120			

**Matrix Spike (B4B1234-MS1)**

Source: Y402289-26

Prepared: 02/12/2024 Analyzed: 02/17/2024

Arsenic	7.47	0.0875	mg/kg	4.37	3.28	95.9	75-125			
Barium	801	8.75	"	437	465	76.8	75-125			

**Matrix Spike Dup (B4B1234-MSD1)**

Source: Y402289-26

Prepared: 02/12/2024 Analyzed: 02/17/2024

Arsenic	7.45	0.0885	mg/kg	4.42	3.28	94.4	75-125	0.230	20	
Barium	990	8.85	"	442	465	119	75-125	21.2	20	QM-02

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Jordan A. Bynon, Project Manager



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B4B1709 - Saturated Paste pH/EC**

**Duplicate (B4B1709-DUP1)**

**Source: Y402291-01**

Prepared: 02/17/2024 Analyzed: 02/18/2024

pH	8.19		pH Units		8.26		0.851		25	
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Dan Coloccia  
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Project: KMG - REI H 9-32D, REI H 9-33D

### Notes and Definitions

- QM-02 The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
  - ND Analyte NOT DETECTED at or above the reporting limit
  - RPD Relative Percent Difference
- All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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