



March 22, 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. March 08, 2024. This project is associated with Origins project number Y403250-01.

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-B10@14'	Y403250-01	Soil	March 8, 2024 12:10	03/08/2024 16:20
FL-B11@14'	Y403250-02	Soil	March 8, 2024 12:15	03/08/2024 16:20
FL-N08@12'	Y403250-03	Soil	March 8, 2024 12:25	03/08/2024 16:20
FL-N09@12'	Y403250-04	Soil	March 8, 2024 12:30	03/08/2024 16:20
FL-E07@12'	Y403250-05	Soil	March 8, 2024 12:40	03/08/2024 16:20
FL-E08@12'	Y403250-06	Soil	March 8, 2024 12:45	03/08/2024 16:20
FL-S06@12'	Y403250-07	Soil	March 8, 2024 13:00	03/08/2024 16:20
FL-S07@12'	Y403250-08	Soil	March 8, 2024 13:05	03/08/2024 16:20
FL-W07@12'	Y403250-09	Soil	March 8, 2024 13:20	03/08/2024 16:20
FL-W08@12'	Y403250-10	Soil	March 8, 2024 13:25	03/08/2024 16:20

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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	Other	Analyze	Sample Instructions
				HCl	HNO	Other				
FL-107 @ 1H	9/17/17	12:15	1				Groundwater			
FL-108 @ 1H	9/17/17	12:15	1				Groundwater			
FL-109 @ 1H	9/17/17	12:15	1				Groundwater			
FL-110 @ 1H	9/17/17	12:15	1				Groundwater			
FL-111 @ 1H	9/17/17	12:15	1				Groundwater			
FL-112 @ 1H	9/17/17	12:15	1				Groundwater			
FL-113 @ 1H	9/17/17	12:15	1				Groundwater			
FL-114 @ 1H	9/17/17	12:15	1				Groundwater			
FL-115 @ 1H	9/17/17	12:15	1				Groundwater			
FL-116 @ 1H	9/17/17	12:15	1				Groundwater			
FL-117 @ 1H	9/17/17	12:15	1				Groundwater			
FL-118 @ 1H	9/17/17	12:15	1				Groundwater			
FL-119 @ 1H	9/17/17	12:15	1				Groundwater			
FL-120 @ 1H	9/17/17	12:15	1				Groundwater			
FL-121 @ 1H	9/17/17	12:15	1				Groundwater			
FL-122 @ 1H	9/17/17	12:15	1				Groundwater			
FL-123 @ 1H	9/17/17	12:15	1				Groundwater			
FL-124 @ 1H	9/17/17	12:15	1				Groundwater			
FL-125 @ 1H	9/17/17	12:15	1				Groundwater			
FL-126 @ 1H	9/17/17	12:15	1				Groundwater			
FL-127 @ 1H	9/17/17	12:15	1				Groundwater			
FL-128 @ 1H	9/17/17	12:15	1				Groundwater			
FL-129 @ 1H	9/17/17	12:15	1				Groundwater			
FL-130 @ 1H	9/17/17	12:15	1				Groundwater			
FL-131 @ 1H	9/17/17	12:15	1				Groundwater			
FL-132 @ 1H	9/17/17	12:15	1				Groundwater			
FL-133 @ 1H	9/17/17	12:15	1				Groundwater			
FL-134 @ 1H	9/17/17	12:15	1				Groundwater			
FL-135 @ 1H	9/17/17	12:15	1				Groundwater			
FL-136 @ 1H	9/17/17	12:15	1				Groundwater			
FL-137 @ 1H	9/17/17	12:15	1				Groundwater			
FL-138 @ 1H	9/17/17	12:15	1				Groundwater			
FL-139 @ 1H	9/17/17	12:15	1				Groundwater			
FL-140 @ 1H	9/17/17	12:15	1				Groundwater			
FL-141 @ 1H	9/17/17	12:15	1				Groundwater			
FL-142 @ 1H	9/17/17	12:15	1				Groundwater			
FL-143 @ 1H	9/17/17	12:15	1				Groundwater			
FL-144 @ 1H	9/17/17	12:15	1				Groundwater			
FL-145 @ 1H	9/17/17	12:15	1				Groundwater			
FL-146 @ 1H	9/17/17	12:15	1				Groundwater			
FL-147 @ 1H	9/17/17	12:15	1				Groundwater			
FL-148 @ 1H	9/17/17	12:15	1				Groundwater			
FL-149 @ 1H	9/17/17	12:15	1				Groundwater			
FL-150 @ 1H	9/17/17	12:15	1				Groundwater			

Client: Eagle Environmental (574)
Address: 8000 W 44th Ave
Project Manager: D. Coloccia
Project Name: REI H 9-32D, REI H 9-33D
Telephone Number: 303.433.1322
Email Address: dan@origins-lab.com
Project Number: [none]
Samples Collected By: [initials]

ORIGINS
LABORATORY, INC

4408250

www.origins-lab.com

page 1 of 1

Temp Received: 7
Date Rec'd Needed: 8/18/24

Received By: [initials]
Date: 8/18/24
Time: 10:00
Standard: 48 Hr 24 Hr 12 Hr

Origins Laboratory, Inc.
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: MO250 Client: EAGLE
Client Project ID: REI H 9-32D, REI H 9-33D

Checklist Completed by: JTB/ML Shipped Via: HL
Date/time completed: 3/8/14 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
Airbill #: N/A

Matrix(s) Received: (Check all that apply): Soil/Solid Water Other _____
Cooler Number/Temperature: 1/4 °C / _____ °C / _____ °C (Describe) _____ °C
Thermometer ID: T04

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	/			
Is there ice present (document if blue ice is used)	/			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	/			
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	/			
Were all samples received intact ⁽¹⁾ ?	/			
Was adequate sample volume provided ⁽¹⁾ ?	/			
Are short holding time analyses or samples with HTs due within 48 hours present ⁽¹⁾ ?	/			
Is a chain-of-custody (COC) present and filled out completely?	/			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	/			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	/			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	/			
For volatiles in water – is there headspace (> 1/4 inch bubble) present? If yes, contact client and note in narrative.	/			
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation, instrument used in comments) / (preservation is not confirmed for sub-contracted analyses in order to insure sample integrity)(pH <= 2 for samples preserved with HNO3, HCL, H2SO4) / (pH > 10 for samples preserved with NaAsO2+NaOH, ZnAc+NaOH)	/			
Additional Comments (if any):				

⁽¹⁾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) JTB Date/Time Reviewed 3/8/14

Origins Laboratory, Inc.

JTB

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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-B10@14'
3/8/2024 12:10:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y403250-01 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4C0828	agile	03/08/2024	03/08/2024	U
2-Methylnaphthalene	ND	0.002	"	"	"	agile	"	"	U
Acenaphthene	ND	0.020	"	"	"	agile	"	"	U
Anthracene	ND	0.020	"	"	"	agile	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	agile	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	agile	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Chrysene	ND	0.020	"	"	"	agile	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	agile	"	"	U
Fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Fluorene	ND	0.020	"	"	"	agile	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	agile	"	"	U
Naphthalene	ND	0.002	"	"	"	agile	"	"	U
Pyrene	ND	0.020	"	"	"	agile	"	"	U
Surrogate: Fluorene-d10	103 %	60-130				"	"	"	
Surrogate: Anthracene-d10	93.3 %	60-130				"	"	"	
Surrogate: Pyrene-d10	100 %	60-130				"	"	"	
Surrogate: Benzo (a) pyrene-d12	104 %	60-130				"	"	"	

Origins Laboratory, Inc.



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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-B10@14'
3/8/2024 12:10:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y403250-01 (Soil)

pH in Soil by 9045D

pH	8.29		pH Units	1	B4C1420	EAL	03/14/2024	03/18/2024	
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Table 915 metals by EPA 6020B

Arsenic	6.15	0.252	mg/kg	10	B4C1124	JAH	03/11/2024	03/21/2024	
Barium	141	8.70	"	"	"	JAH	"	"	
Cadmium	0.161	0.0870	"	"	"	JAH	"	"	
Selenium	ND	0.226	"	"	"	JAH	"	"	

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

FL-B11@14'
3/8/2024 12:15:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y403250-02 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4C0828	agile	03/08/2024	03/09/2024	U
2-Methylnaphthalene	ND	0.002	"	"	"	agile	"	"	U
Acenaphthene	ND	0.020	"	"	"	agile	"	"	U
Anthracene	ND	0.020	"	"	"	agile	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	agile	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	agile	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Chrysene	ND	0.020	"	"	"	agile	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	agile	"	"	U
Fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Fluorene	ND	0.020	"	"	"	agile	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	agile	"	"	U
Naphthalene	ND	0.002	"	"	"	agile	"	"	U
Pyrene	ND	0.020	"	"	"	agile	"	"	U
Surrogate: Fluorene-d10	98.1%	60-130	"	"	"	"	"	"	
Surrogate: Anthracene-d10	87.5%	60-130	"	"	"	"	"	"	
Surrogate: Pyrene-d10	108%	60-130	"	"	"	"	"	"	
Surrogate: Benzo (a) pyrene-d12	94.9%	60-130	"	"	"	"	"	"	

Origins Laboratory, Inc.

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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-B11@14'
3/8/2024 12:15:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y403250-02 (Soil)

pH in Soil by 9045D

pH	8.68		pH Units	1	B4C1420	EAL	03/14/2024	03/18/2024	
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Table 915 metals by EPA 6020B

Arsenic	25.4	0.284	mg/kg	10	B4C1124	JAH	03/11/2024	03/21/2024	
Barium	40.9	9.78	"	"	"	JAH	"	"	
Cadmium	ND	0.0978	"	"	"	JAH	"	"	
Selenium	ND	0.254	"	"	"	JAH	"	"	

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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-N08@12
 3/8/2024 12:25:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y403250-03 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4C0828	agile	03/08/2024	03/09/2024	U
2-Methylnaphthalene	ND	0.002	"	"	"	agile	"	"	U
Acenaphthene	ND	0.020	"	"	"	agile	"	"	U
Anthracene	ND	0.020	"	"	"	agile	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	agile	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	agile	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Chrysene	ND	0.020	"	"	"	agile	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	agile	"	"	U
Fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Fluorene	ND	0.020	"	"	"	agile	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	agile	"	"	U
Naphthalene	ND	0.002	"	"	"	agile	"	"	U
Pyrene	ND	0.020	"	"	"	agile	"	"	U

Surrogate: Fluorene-d10	97.4 %	60-130							
Surrogate: Anthracene-d10	98.5 %	60-130							
Surrogate: Pyrene-d10	109 %	60-130							
Surrogate: Benzo (a) pyrene-d12	96.4 %	60-130							

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Jordan A. Bynon, Project Manager



Eagle Environmental Consulting, LLC
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Wheat Ridge CO 80033

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

FL-N08@12
3/8/2024 12:25:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y403250-03 (Soil)

pH in Soil by 9045D

pH	8.37		pH Units	1	B4C1420	EAL	03/14/2024	03/18/2024	
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Table 915 metals by EPA 6020B

Arsenic	4.18	0.246	mg/kg	10	B4C1124	JAH	03/11/2024	03/21/2024	
Barium	84.8	8.48	"	"	"	JAH	"	"	
Cadmium	0.137	0.0848	"	"	"	JAH	"	"	
Selenium	ND	0.220	"	"	"	JAH	"	"	

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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-N09@12'
3/8/2024 12:30:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y403250-04 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4C0828	agile	03/08/2024	03/09/2024	U
2-Methylnaphthalene	ND	0.002	"	"	"	agile	"	"	U
Acenaphthene	ND	0.020	"	"	"	agile	"	"	U
Anthracene	ND	0.020	"	"	"	agile	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	agile	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	agile	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Chrysene	ND	0.020	"	"	"	agile	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	agile	"	"	U
Fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Fluorene	ND	0.020	"	"	"	agile	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	agile	"	"	U
Naphthalene	ND	0.002	"	"	"	agile	"	"	U
Pyrene	ND	0.020	"	"	"	agile	"	"	U
Surrogate: Fluorene-d10	99.2 %		60-130			"			
Surrogate: Anthracene-d10	98.3 %		60-130			"			
Surrogate: Pyrene-d10	108 %		60-130			"			
Surrogate: Benzo (a) pyrene-d12	104 %		60-130			"			

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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-N09@12'
3/8/2024 12:30:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y403250-04 (Soil)

pH in Soil by 9045D

pH	8.42		pH Units	1	B4C1420	EAL	03/14/2024	03/18/2024	
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Table 915 metals by EPA 6020B

Arsenic	3.96	0.246	mg/kg	10	B4C1124	JAH	03/11/2024	03/21/2024	
Barium	118	8.47	"	"	"	JAH	"	"	
Cadmium	0.167	0.0847	"	"	"	JAH	"	"	
Selenium	ND	0.220	"	"	"	JAH	"	"	

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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-E07@12'
 3/8/2024 12:40:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y403250-05 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4C0828	agile	03/08/2024	03/09/2024	U
2-Methylnaphthalene	ND	0.002	"	"	"	agile	"	"	U
Acenaphthene	ND	0.020	"	"	"	agile	"	"	U
Anthracene	ND	0.020	"	"	"	agile	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	agile	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	agile	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Chrysene	ND	0.020	"	"	"	agile	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	agile	"	"	U
Fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Fluorene	ND	0.020	"	"	"	agile	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	agile	"	"	U
Naphthalene	ND	0.002	"	"	"	agile	"	"	U
Pyrene	ND	0.020	"	"	"	agile	"	"	U
Surrogate: Fluorene-d10	105 %		60-130			"			
Surrogate: Anthracene-d10	94.7 %		60-130			"			
Surrogate: Pyrene-d10	103 %		60-130			"			
Surrogate: Benzo (a) pyrene-d12	97.5 %		60-130			"			

Origins Laboratory, Inc.



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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-E07@12'
3/8/2024 12:40:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y403250-05 (Soil)

pH in Soil by 9045D

pH	8.39		pH Units	1	B4C1420	EAL	03/14/2024	03/18/2024	
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Table 915 metals by EPA 6020B

Arsenic	7.53	0.251	mg/kg	10	B4C1124	JAH	03/11/2024	03/21/2024	
Barium	200	8.64	"	"	"	JAH	"	"	
Cadmium	0.177	0.0864	"	"	"	JAH	"	"	
Selenium	0.239	0.225	"	"	"	JAH	"	"	

Origins Laboratory, Inc.

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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-E08@12'
 3/8/2024 12:45:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y403250-06 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4C0828	agile	03/08/2024	03/09/2024	U
2-Methylnaphthalene	ND	0.002	"	"	"	agile	"	"	U
Acenaphthene	ND	0.020	"	"	"	agile	"	"	U
Anthracene	ND	0.020	"	"	"	agile	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	agile	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	agile	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Chrysene	ND	0.020	"	"	"	agile	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	agile	"	"	U
Fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Fluorene	ND	0.020	"	"	"	agile	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	agile	"	"	U
Naphthalene	ND	0.002	"	"	"	agile	"	"	U
Pyrene	ND	0.020	"	"	"	agile	"	"	U
Surrogate: Fluorene-d10	101 %		60-130			"			
Surrogate: Anthracene-d10	95.2 %		60-130			"			
Surrogate: Pyrene-d10	104 %		60-130			"			
Surrogate: Benzo (a) pyrene-d12	109 %		60-130			"			

Origins Laboratory, Inc.



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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-E08@12'
3/8/2024 12:45:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y403250-06 (Soil)

pH in Soil by 9045D

pH	8.45		pH Units	1	B4C1420	EAL	03/14/2024	03/18/2024	
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Table 915 metals by EPA 6020B

Arsenic	6.15	0.242	mg/kg	10	B4C1124	JAH	03/11/2024	03/21/2024	
Barium	217	8.33	"	"	"	JAH	"	"	
Cadmium	0.182	0.0833	"	"	"	JAH	"	"	
Selenium	ND	0.217	"	"	"	JAH	"	"	

Origins Laboratory, Inc.


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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-S06@12'
3/8/2024 1:00:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y403250-07 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4C0828	agile	03/08/2024	03/09/2024	U
2-Methylnaphthalene	ND	0.002	"	"	"	agile	"	"	U
Acenaphthene	ND	0.020	"	"	"	agile	"	"	U
Anthracene	ND	0.020	"	"	"	agile	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	agile	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	agile	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Chrysene	ND	0.020	"	"	"	agile	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	agile	"	"	U
Fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Fluorene	ND	0.020	"	"	"	agile	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	agile	"	"	U
Naphthalene	ND	0.002	"	"	"	agile	"	"	U
Pyrene	ND	0.020	"	"	"	agile	"	"	U
Surrogate: Fluorene-d10	95.7%	60-130				"			
Surrogate: Anthracene-d10	93.7%	60-130				"			
Surrogate: Pyrene-d10	111%	60-130				"			
Surrogate: Benzo (a) pyrene-d12	87.2%	60-130				"			

Origins Laboratory, Inc.



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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-S06@12'
3/8/2024 1:00:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y403250-07 (Soil)

pH in Soil by 9045D

pH	8.47	pH Units	1	B4C1420	EAL	03/14/2024	03/18/2024		
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Table 915 metals by EPA 6020B

Arsenic	5.91	0.264	mg/kg	10	B4C1124	JAH	03/11/2024	03/21/2024	
Barium	177	9.11	"	"	"	JAH	"	"	
Cadmium	0.160	0.0911	"	"	"	JAH	"	"	
Selenium	ND	0.237	"	"	"	JAH	"	"	

Origins Laboratory, Inc.


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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-S07@12'
 3/8/2024 1:05:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y403250-08 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4C0828	agile	03/08/2024	03/11/2024	U
2-Methylnaphthalene	ND	0.002	"	"	"	agile	"	"	U
Acenaphthene	ND	0.020	"	"	"	agile	"	"	U
Anthracene	ND	0.020	"	"	"	agile	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	agile	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	agile	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Chrysene	ND	0.020	"	"	"	agile	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	agile	"	"	U
Fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Fluorene	ND	0.020	"	"	"	agile	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	agile	"	"	U
Naphthalene	ND	0.002	"	"	"	agile	"	"	U
Pyrene	ND	0.020	"	"	"	agile	"	"	U
Surrogate: Fluorene-d10	99.8 %		60-130			"			
Surrogate: Anthracene-d10	100 %		60-130			"			
Surrogate: Pyrene-d10	105 %		60-130			"			
Surrogate: Benzo (a) pyrene-d12	108 %		60-130			"			

Origins Laboratory, Inc.

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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-S07@12'

3/8/2024 1:05:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y403250-08 (Soil)

pH in Soil by 9045D

pH	8.35		pH Units	1	B4C1420	EAL	03/14/2024	03/18/2024	
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Table 915 metals by EPA 6020B

Arsenic	5.28	0.277	mg/kg	10	B4C1124	JAH	03/11/2024	03/21/2024	
Barium	147	9.54	"	"	"	JAH	"	"	
Cadmium	0.164	0.0954	"	"	"	JAH	"	"	
Selenium	ND	0.248	"	"	"	JAH	"	"	

Origins Laboratory, Inc.

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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-W07@12'
3/8/2024 1:20:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y403250-09 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4C0828	agile	03/08/2024	03/11/2024	U
2-Methylnaphthalene	ND	0.002	"	"	"	agile	"	"	U
Acenaphthene	ND	0.020	"	"	"	agile	"	"	U
Anthracene	ND	0.020	"	"	"	agile	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	agile	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	agile	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Chrysene	ND	0.020	"	"	"	agile	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	agile	"	"	U
Fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Fluorene	ND	0.020	"	"	"	agile	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	agile	"	"	U
Naphthalene	ND	0.002	"	"	"	agile	"	"	U
Pyrene	ND	0.020	"	"	"	agile	"	"	U
Surrogate: Fluorene-d10	98.9%		60-130			"			
Surrogate: Anthracene-d10	101%		60-130			"			
Surrogate: Pyrene-d10	97.7%		60-130			"			
Surrogate: Benzo (a) pyrene-d12	112%		60-130			"			

Origins Laboratory, Inc.

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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-W07@12'
3/8/2024 1:20:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y403250-09 (Soil)

pH in Soil by 9045D

pH	8.22		pH Units	1	B4C1420	EAL	03/14/2024	03/18/2024	
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Table 915 metals by EPA 6020B

Arsenic	4.19	0.243	mg/kg	10	B4C1124	JAH	03/11/2024	03/21/2024	
Barium	121	8.37	"	"	"	JAH	"	"	
Cadmium	0.157	0.0837	"	"	"	JAH	"	"	
Selenium	ND	0.218	"	"	"	JAH	"	"	

Origins Laboratory, Inc.

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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-W08@12'
3/8/2024 1:25:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y403250-10 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4C0828	agile	03/08/2024	03/11/2024	U
2-Methylnaphthalene	ND	0.002	"	"	"	agile	"	"	U
Acenaphthene	ND	0.020	"	"	"	agile	"	"	U
Anthracene	ND	0.020	"	"	"	agile	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	agile	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	agile	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Chrysene	ND	0.020	"	"	"	agile	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	agile	"	"	U
Fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Fluorene	ND	0.020	"	"	"	agile	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	agile	"	"	U
Naphthalene	ND	0.002	"	"	"	agile	"	"	U
Pyrene	ND	0.020	"	"	"	agile	"	"	U
Surrogate: Fluorene-d10	99.2 %	60-130				"			
Surrogate: Anthracene-d10	97.7 %	60-130				"			
Surrogate: Pyrene-d10	92.3 %	60-130				"			
Surrogate: Benzo (a) pyrene-d12	101 %	60-130				"			

Origins Laboratory, Inc.

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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-W08@12'
3/8/2024 1:25:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y403250-10 (Soil)

pH in Soil by 9045D

pH	8.44	pH Units	1	B4C1420	EAL	03/14/2024	03/18/2024
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Table 915 metals by EPA 6020B

Arsenic	6.89	0.281	mg/kg	10	B4C1124	JAH	03/11/2024	03/21/2024
Barium	122	9.70	"	"	"	JAH	"	"
Cadmium	0.106	0.0970	"	"	"	JAH	"	"
Selenium	ND	0.252	"	"	"	JAH	"	"

Origins Laboratory, Inc.

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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

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 B4C1124 - EPA 3050B

Prepared: 03/11/2024 Analyzed: 03/21/2024

Blank (B4C1124-BLK1)

Arsenic	ND	0.290	mg/kg							
Barium	ND	10.0	"							
Cadmium	ND	0.100	"							
Selenium	ND	0.260	"							

LCS (B4C1124-BS1)

Prepared: 03/11/2024 Analyzed: 03/21/2024

Arsenic	5.57	0.290	mg/kg	5.00		111	80-120			
Barium	532	10.0	"	500		106	80-120			
Cadmium	5.54	0.100	"	5.00		111	80-120			
Selenium	10.3	0.260	"	9.50		109	80-120			

Matrix Spike (B4C1124-MS1)

Source: Y403250-01

Prepared: 03/11/2024 Analyzed: 03/21/2024

Arsenic	10.7	0.254	mg/kg	4.38	6.15	103	75-125			
Barium	620	8.77	"	438	141	109	75-125			
Cadmium	5.00	0.0877	"	4.38	0.161	110	75-125			
Selenium	9.03	0.228	"	8.33	0.156	107	75-125			

Matrix Spike Dup (B4C1124-MSD1)

Source: Y403250-01

Prepared: 03/11/2024 Analyzed: 03/21/2024

Arsenic	12.8	0.273	mg/kg	4.70	6.15	141	75-125	17.8	20	QM-07
Barium	694	9.41	"	470	141	118	75-125	11.3	20	
Cadmium	5.51	0.0941	"	4.70	0.161	114	75-125	9.74	20	
Selenium	10.1	0.245	"	8.94	0.156	111	75-125	11.1	20	

Origins Laboratory, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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

EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 B4C0828 - EPA 3580

Prepared: 03/08/2024 Analyzed: 03/08/2024

Blank (B4C0828-BLK1)

1-Methylnaphthalene	ND	0.002	mg/kg							U
2-Methylnaphthalene	ND	0.002	"							U
Acenaphthene	ND	0.020	"							U
Anthracene	ND	0.020	"							U
Benzo (a) anthracene	ND	0.005	"							U
Benzo (a) pyrene	ND	0.020	"							U
Benzo (b) fluoranthene	ND	0.020	"							U
Benzo (g,h,i) perylene	ND	0.020	"							U
Benzo (k) fluoranthene	ND	0.020	"							U
Chrysene	ND	0.020	"							U
Dibenz (a,h) anthracene	ND	0.020	"							U
Fluoranthene	ND	0.020	"							U
Fluorene	ND	0.020	"							U
Indeno (1,2,3-cd) pyrene	ND	0.020	"							U
Naphthalene	ND	0.002	"							U
Phenanthrene	ND	0.020	"							U
Pyrene	ND	0.020	"							U
Surrogate: Fluorene-d10	190		ug/kg	200		95.9	60-130			
Surrogate: Anthracene-d10	180		"	200		91.5	60-130			
Surrogate: Pyrene-d10	210		"	200		104	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		101	60-130			

Prepared: 03/08/2024 Analyzed: 03/08/2024

LCS (B4C0828-BS1)

1-Methylnaphthalene	0.167	0.002	mg/kg	0.200		83.3	70-130			
2-Methylnaphthalene	0.162	0.002	"	0.200		81.1	70-130			
Acenaphthene	0.188	0.020	"	0.200		94.0	70-130			
Anthracene	0.173	0.020	"	0.200		86.7	70-130			

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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

EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 B4C0828 - EPA 3580

LCS (B4C0828-BS1)

Prepared: 03/08/2024 Analyzed: 03/08/2024

Benzo (a) anthracene	0.173	0.005	mg/kg	0.200		86.5	70-130			
Benzo (a) pyrene	0.183	0.020	"	0.200		91.3	70-130			
Benzo (b) fluoranthene	0.172	0.020	"	0.200		86.2	70-130			
Benzo (g,h,i) perylene	0.172	0.020	"	0.200		85.9	70-130			
Benzo (k) fluoranthene	0.172	0.020	"	0.200		86.1	70-130			
Chrysene	0.194	0.020	"	0.200		96.8	70-130			
Dibenz (a,h) anthracene	0.198	0.020	"	0.200		98.8	70-130			
Fluoranthene	0.210	0.020	"	0.200		105	70-130			
Fluorene	0.177	0.020	"	0.200		88.5	70-130			
Indeno (1,2,3-cd) pyrene	0.179	0.020	"	0.200		89.6	70-130			
Naphthalene	0.184	0.002	"	0.200		92.0	70-130			
Phenanthrene	0.170	0.020	"	0.200		85.2	70-130			
Pyrene	0.200	0.020	"	0.200		99.9	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		102	60-130			
Surrogate: Anthracene-d10	180		"	200		91.7	60-130			
Surrogate: Pyrene-d10	220		"	200		110	60-130			
Surrogate: Benzo (a) pyrene-d12	190		"	200		94.4	60-130			

Matrix Spike (B4C0828-MS1)

Source: Y403233-01

Prepared: 03/08/2024 Analyzed: 03/08/2024

1-Methylnaphthalene	0.161	0.002	mg/kg	0.200	ND	80.7	70-130			
2-Methylnaphthalene	0.171	0.002	"	0.200	ND	85.3	70-130			
Acenaphthene	0.194	0.020	"	0.200	0.0007	96.7	70-130			
Anthracene	0.200	0.020	"	0.200	0.0005	99.7	70-130			
Benzo (a) anthracene	0.197	0.005	"	0.200	0.006	95.6	70-130			
Benzo (a) pyrene	0.209	0.020	"	0.200	0.005	102	70-130			
Benzo (b) fluoranthene	0.183	0.020	"	0.200	0.005	89.4	70-130			
Benzo (g,h,i) perylene	0.184	0.020	"	0.200	0.004	89.8	70-130			

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Dan Coloccia
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EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 B4C0828 - EPA 3580

Matrix Spike (B4C0828-MS1)

Source: Y403233-01

Prepared: 03/08/2024 Analyzed: 03/08/2024

Benzo (k) fluoranthene	0.176	0.020	mg/kg	0.200	0.002	87.1	70-130			
Chrysene	0.207	0.020	"	0.200	0.006	101	70-130			
Dibenz (a,h) anthracene	0.232	0.020	"	0.200	ND	116	70-130			
Fluoranthene	0.221	0.020	"	0.200	0.007	107	70-130			
Fluorene	0.188	0.020	"	0.200	0.0008	93.4	70-130			
Indeno (1,2,3-cd) pyrene	0.208	0.020	"	0.200	0.003	103	70-130			
Naphthalene	0.195	0.002	"	0.200	ND	97.6	70-130			
Phenanthrene	0.200	0.020	"	0.200	0.004	98.1	70-130			
Pyrene	0.222	0.020	"	0.200	0.007	107	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		98.0	60-130			
Surrogate: Anthracene-d10	200		"	200		99.5	60-130			
Surrogate: Pyrene-d10	210		"	200		107	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		104	60-130			

Matrix Spike Dup (B4C0828-MSD1)

Source: Y403233-01

Prepared: 03/08/2024 Analyzed: 03/11/2024

1-Methylnaphthalene	0.194	0.002	mg/kg	0.200	ND	97.2	70-130	18.5	20	
2-Methylnaphthalene	0.193	0.002	"	0.200	ND	96.4	70-130	12.2	20	
Acenaphthene	0.189	0.020	"	0.200	0.0007	94.3	70-130	2.50	20	
Anthracene	0.193	0.020	"	0.200	0.0005	96.3	70-130	3.53	20	
Benzo (a) anthracene	0.202	0.005	"	0.200	0.006	98.4	70-130	2.78	20	
Benzo (a) pyrene	0.188	0.020	"	0.200	0.005	91.5	70-130	10.5	20	
Benzo (b) fluoranthene	0.183	0.020	"	0.200	0.005	89.2	70-130	0.290	20	
Benzo (g,h,i) perylene	0.187	0.020	"	0.200	0.004	91.7	70-130	2.04	20	
Benzo (k) fluoranthene	0.165	0.020	"	0.200	0.002	81.5	70-130	6.54	20	
Chrysene	0.192	0.020	"	0.200	0.006	93.0	70-130	7.73	20	
Dibenz (a,h) anthracene	0.193	0.020	"	0.200	ND	96.4	70-130	18.5	20	
Fluoranthene	0.208	0.020	"	0.200	0.007	100	70-130	6.28	20	

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Dan Coloccia
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EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 B4C0828 - EPA 3580

Matrix Spike Dup (B4C0828-MSD1)

Source: Y403233-01

Prepared: 03/08/2024 Analyzed: 03/11/2024

Fluorene	0.191	0.020	mg/kg	0.200	0.0008	95.2	70-130	1.88	20	
Indeno (1,2,3-cd) pyrene	0.191	0.020	"	0.200	0.003	93.9	70-130	8.72	20	
Naphthalene	0.194	0.002	"	0.200	ND	97.0	70-130	0.559	20	
Phenanthrene	0.197	0.020	"	0.200	0.004	96.8	70-130	1.30	20	
Pyrene	0.217	0.020	"	0.200	0.007	105	70-130	2.35	20	
Surrogate: Fluorene-d10	200		ug/kg	200		100	60-130			
Surrogate: Anthracene-d10	200		"	200		99.7	60-130			
Surrogate: Pyrene-d10	230		"	200		114	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		100	60-130			

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Jordan A. Bynon, Project Manager



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

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 B4C1420 - Saturated Paste pH/EC

Duplicate (B4C1420-DUP1)

Source: Y403244-07

Prepared: 03/14/2024 Analyzed: 03/18/2024

pH	8.57		pH Units		8.54		0.351	25		
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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

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.

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