



February 02, 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. January 23, 2024. This project is associated with Origins project number Y401534-01.

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-N08@7'	Y401534-01	Soil	January 23, 2024 15:05	01/23/2024 17:10
FL-N09@7'	Y401534-02	Soil	January 23, 2024 15:10	01/23/2024 17:10
FL-W07@10'	Y401534-03	Soil	January 23, 2024 15:15	01/23/2024 17:10
FL-W08@10'	Y401534-04	Soil	January 23, 2024 15:20	01/23/2024 17:10
FL-B08@12'	Y401534-05	Soil	January 23, 2024 15:25	01/23/2024 17:10
FL-B09@12'	Y401534-06	Soil	January 23, 2024 15:30	01/23/2024 17:10

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

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



Client: Eagle Environmental (079)
 Address: 8000 W 44th Ave
Wheat Ridge, CO 80033
 Telephone Number: 303-433-0479
 Email Address: d.coloccia@eagle-enviro.com

Project Manager: D. Coloccia
 Project Name: REI H 9-32D, REI H 9-33D
 Project Number: ---
 Samples Collected By: SG

In Packet
410534

www.originslaboratory.com

page | of |

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative			Matrix		Analysis					Sample Instructions		
				HCl	HNO ₃	Other	Groundwater	Soil	Air Summa Canister #	Other	Vaph	PAHs	Arsenic		Barium	Cadmium
FL-N09 @ 7'	1/23/14	1505	3	X				X				X	X	X	X	
FL-N04 @ 7'		1510														
FL-W07 @ 10'		1515														
FL-W09 @ 10'		1520														
FL-B08 @ 12'		1525														
FL-B09 @ 12'		1530														

Relinquished By: [Signature]
 Date: 1/23/2014
 Time: 11:10

Received By: [Signature]
 Date: 1/23/14
 Time: 11:10

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

Temp Received: 5.0 Date Results Needed

Origins Laboratory, Inc.

[Signature]

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 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: 4401534 Client: Eagle
 Client Project ID: REI H 9-32D, H 9-33D

Checklist Completed by: JH/ELH Shipped Via: FD
 Date/time completed: 1/22/24 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Airbill #: N/A

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


Cooler Number/Temperature: 15.0.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 ⁽¹⁾ ?	<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 ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<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 ⁽¹⁾ ? (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 ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with Na ₂ AsO ₂ +NaOH, ZnAc+NaOH)			<input checked="" type="checkbox"/>	
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) [Signature] Date/Time Reviewed 1/23/24

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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@7'

1/23/2024 3:05:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401534-01 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4A2324	Windo	01/23/2024	01/23/2024	U
2-Methylnaphthalene	ND	0.002	"	"	"	Windo	"	"	U
Acenaphthene	ND	0.020	"	"	"	Windo	"	"	U
Anthracene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	Windo	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Chrysene	ND	0.020	"	"	"	Windo	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	Windo	"	"	U
Fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Fluorene	ND	0.020	"	"	"	Windo	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	Windo	"	"	U
Naphthalene	ND	0.002	"	"	"	Windo	"	"	U
Pyrene	ND	0.020	"	"	"	Windo	"	"	U

Surrogate: Fluorene-d10	100 %	60-130			"	"	"	"	
Surrogate: Anthracene-d10	97.0 %	60-130			"	"	"	"	
Surrogate: Pyrene-d10	99.7 %	60-130			"	"	"	"	
Surrogate: Benzo (a) pyrene-d12	106 %	60-130			"	"	"	"	

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FL-N08@7'

1/23/2024 3:05:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401534-01 (Soil)

pH in Soil by 9045D

pH	8.38		pH Units	1	B4A2416	EAL	01/24/2024	01/25/2024	
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Table 915 metals by EPA 6020B

Arsenic	4.17	0.0879	mg/kg	10	B4A2322	JAH	01/23/2024	01/25/2024	
Barium	114	8.79	"	"	"	JAH	"	"	
Cadmium	0.153	0.0879	"	"	"	JAH	"	"	
Selenium	ND	0.0879	"	"	"	JAH	"	"	

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Dan Coloccia
 Project Number: [none]
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FL-N09@7'

1/23/2024 3:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y401534-02 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4A2324	Windo	01/23/2024	01/23/2024	U
2-Methylnaphthalene	ND	0.002	"	"	"	Windo	"	"	U
Acenaphthene	ND	0.020	"	"	"	Windo	"	"	U
Anthracene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	Windo	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Chrysene	ND	0.020	"	"	"	Windo	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	Windo	"	"	U
Fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Fluorene	ND	0.020	"	"	"	Windo	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	Windo	"	"	U
Naphthalene	ND	0.002	"	"	"	Windo	"	"	U
Pyrene	ND	0.020	"	"	"	Windo	"	"	U

Surrogate: Fluorene-d10	100 %	60-130	"	"	"	"	"	"	"
Surrogate: Anthracene-d10	98.3 %	60-130	"	"	"	"	"	"	"
Surrogate: Pyrene-d10	101 %	60-130	"	"	"	"	"	"	"
Surrogate: Benzo (a) pyrene-d12	101 %	60-130	"	"	"	"	"	"	"

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 Project Number: [none]
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FL-N09@7'

1/23/2024 3:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401534-02 (Soil)

pH in Soil by 9045D

pH	8.35		pH Units	1	B4A2416	EAL	01/24/2024	01/25/2024	
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Table 915 metals by EPA 6020B

Arsenic	4.69	0.0995	mg/kg	10	B4A2322	JAH	01/23/2024	01/25/2024	
Barium	95.4	9.95	"	"	"	JAH	"	"	
Cadmium	ND	0.0995	"	"	"	JAH	"	"	
Selenium	ND	0.0995	"	"	"	ZZZ	"	02/01/2024	

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 Project Number: [none]
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FL-W07@10'
 1/23/2024 3:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y401534-03 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4A2324	Windo	01/23/2024	01/23/2024	U
2-Methylnaphthalene	ND	0.002	"	"	"	Windo	"	"	U
Acenaphthene	ND	0.020	"	"	"	Windo	"	"	U
Anthracene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	Windo	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Chrysene	ND	0.020	"	"	"	Windo	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	Windo	"	"	U
Fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Fluorene	ND	0.020	"	"	"	Windo	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	Windo	"	"	U
Naphthalene	ND	0.002	"	"	"	Windo	"	"	U
Pyrene	ND	0.020	"	"	"	Windo	"	"	U

Surrogate: Fluorene-d10	99.7 %	60-130			"	"	"	"	
Surrogate: Anthracene-d10	98.3 %	60-130			"	"	"	"	
Surrogate: Pyrene-d10	101 %	60-130			"	"	"	"	
Surrogate: Benzo (a) pyrene-d12	101 %	60-130			"	"	"	"	

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Dan Coloccia
 Project Number: [none]
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FL-W07@10'
1/23/2024 3:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401534-03 (Soil)

pH in Soil by 9045D

pH	8.37		pH Units	1	B4A2416	EAL	01/24/2024	01/25/2024	
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Table 915 metals by EPA 6020B

Arsenic	5.18	0.0904	mg/kg	10	B4A2322	JAH	01/23/2024	01/25/2024	
Barium	223	9.04	"	"	"	JAH	"	"	
Cadmium	0.173	0.0904	"	"	"	JAH	"	"	
Selenium	0.152	0.0904	"	"	"	JAH	"	"	

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 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@10'
1/23/2024 3:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401534-04 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4A2324	Windo	01/23/2024	01/24/2024	U
2-Methylnaphthalene	ND	0.002	"	"	"	Windo	"	"	U
Acenaphthene	ND	0.020	"	"	"	Windo	"	"	U
Anthracene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	Windo	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Chrysene	ND	0.020	"	"	"	Windo	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	Windo	"	"	U
Fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Fluorene	ND	0.020	"	"	"	Windo	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	Windo	"	"	U
Naphthalene	ND	0.002	"	"	"	Windo	"	"	U
Pyrene	ND	0.020	"	"	"	Windo	"	"	U

Surrogate: Fluorene-d10	100 %	60-130			"	"	"
Surrogate: Anthracene-d10	98.1 %	60-130			"	"	"
Surrogate: Pyrene-d10	99.3 %	60-130			"	"	"
Surrogate: Benzo (a) pyrene-d12	103 %	60-130			"	"	"

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

FL-W08@10'
1/23/2024 3:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401534-04 (Soil)

pH in Soil by 9045D

pH	8.37		pH Units	1	B4A2416	EAL	01/24/2024	01/25/2024	
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Table 915 metals by EPA 6020B

Arsenic	3.06	0.0926	mg/kg	10	B4A2322	JAH	01/23/2024	01/25/2024	
Barium	134	9.26	"	"	"	JAH	"	"	
Cadmium	ND	0.0926	"	"	"	JAH	"	"	
Selenium	ND	0.0926	"	"	"	JAH	"	"	

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 Wheat Ridge CO 80033

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

FL-B08@12'
 1/23/2024 3:25:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y401534-05 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4A2324	Windo	01/23/2024	01/24/2024	U
2-Methylnaphthalene	ND	0.002	"	"	"	Windo	"	"	U
Acenaphthene	ND	0.020	"	"	"	Windo	"	"	U
Anthracene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	Windo	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Chrysene	ND	0.020	"	"	"	Windo	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	Windo	"	"	U
Fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Fluorene	ND	0.020	"	"	"	Windo	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	Windo	"	"	U
Naphthalene	ND	0.002	"	"	"	Windo	"	"	U
Pyrene	ND	0.020	"	"	"	Windo	"	"	U

Surrogate: Fluorene-d10	100 %	60-130			"	"	"	"	
Surrogate: Anthracene-d10	97.2 %	60-130			"	"	"	"	
Surrogate: Pyrene-d10	100 %	60-130			"	"	"	"	
Surrogate: Benzo (a) pyrene-d12	101 %	60-130			"	"	"	"	

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FL-B08@12'
1/23/2024 3:25:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401534-05 (Soil)

pH in Soil by 9045D

pH	8.45		pH Units	1	B4A2416	EAL	01/24/2024	01/25/2024	
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Table 915 metals by EPA 6020B

Arsenic	6.91	0.0881	mg/kg	10	B4A2327	JAH	01/23/2024	01/25/2024	
Barium	647	8.81	"	"	"	JAH	"	"	
Cadmium	0.170	0.0881	"	"	"	JAH	"	"	
Selenium	0.0186	0.00881	"	1	"	ZZZ	"	01/26/2024	

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

FL-B09@12'
1/23/2024 3:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401534-06 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4A2324	Windo	01/23/2024	01/24/2024	U
2-Methylnaphthalene	ND	0.002	"	"	"	Windo	"	"	U
Acenaphthene	ND	0.020	"	"	"	Windo	"	"	U
Anthracene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	Windo	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Chrysene	ND	0.020	"	"	"	Windo	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	Windo	"	"	U
Fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Fluorene	ND	0.020	"	"	"	Windo	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	Windo	"	"	U
Naphthalene	ND	0.002	"	"	"	Windo	"	"	U
Pyrene	ND	0.020	"	"	"	Windo	"	"	U

Surrogate: Fluorene-d10	101 %	60-130			"	"	"
Surrogate: Anthracene-d10	97.6 %	60-130			"	"	"
Surrogate: Pyrene-d10	101 %	60-130			"	"	"
Surrogate: Benzo (a) pyrene-d12	103 %	60-130			"	"	"

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-B09@12'
1/23/2024 3:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401534-06 (Soil)

pH in Soil by 9045D

pH	8.47		pH Units	1	B4A2416	EAL	01/24/2024	01/25/2024	
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Table 915 metals by EPA 6020B

Arsenic	7.52	0.0867	mg/kg	10	B4A2327	JAH	01/23/2024	01/25/2024	
Barium	93.9	8.67	"	"	"	JAH	"	"	
Cadmium	0.172	0.0867	"	"	"	JAH	"	"	
Selenium	0.245	0.0867	"	"	"	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 B4A2322 - EPA 3050B

Blank (B4A2322-BLK1)

Prepared: 01/23/2024 Analyzed: 01/25/2024

Arsenic	ND	0.0100	mg/kg							
Barium	ND	1.00	"							
Cadmium	ND	0.0100	"							
Selenium	ND	0.0100	"							

LCS (B4A2322-BS1)

Prepared: 01/23/2024 Analyzed: 01/25/2024

Arsenic	5.37	0.0100	mg/kg	5.00		107	80-120			
Barium	557	1.00	"	500		111	80-120			
Cadmium	5.05	0.0100	"	5.00		101	80-120			
Selenium	4.97	0.0100	"	5.00		99.3	80-120			

Matrix Spike (B4A2322-MS1)

Source: Y401526-02

Prepared: 01/23/2024 Analyzed: 01/25/2024

Arsenic	6.81	0.0872	mg/kg	4.36	2.26	104	75-125			
Barium	537	8.72	"	436	54.0	111	75-125			
Cadmium	4.59	0.0872	"	4.36	0.0788	103	75-125			
Selenium	4.23	0.0872	"	4.36	0.0726	95.3	75-125			

Matrix Spike Dup (B4A2322-MSD1)

Source: Y401526-02

Prepared: 01/23/2024 Analyzed: 01/25/2024

Arsenic	6.92	0.0911	mg/kg	4.55	2.26	102	75-125	1.63	20	
Barium	540	9.11	"	455	54.0	107	75-125	0.563	20	
Cadmium	4.63	0.0911	"	4.55	0.0788	100	75-125	0.985	20	
Selenium	4.44	0.0911	"	4.55	0.0726	96.0	75-125	5.00	20	

Batch B4A2327 - EPA 3050B

Blank (B4A2327-BLK1)

Prepared: 01/23/2024 Analyzed: 01/25/2024

Arsenic	ND	0.0100	mg/kg							
Barium	ND	1.00	"							

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
Batch B4A2327 - EPA 3050B										
Blank (B4A2327-BLK1)										
					Prepared: 01/23/2024 Analyzed: 01/25/2024					
Cadmium	ND	0.0100	mg/kg							
Selenium	ND	0.0100	"							
LCS (B4A2327-BS1)										
					Prepared: 01/23/2024 Analyzed: 01/25/2024					
Arsenic	5.44	0.0100	mg/kg	5.00		109	80-120			
Barium	548	1.00	"	500		110	80-120			
Cadmium	5.02	0.0100	"	5.00		100	80-120			
Selenium	4.96	0.0100	"	5.00		99.1	80-120			
Matrix Spike (B4A2327-MS1)										
		Source: Y401535-02			Prepared: 01/23/2024 Analyzed: 01/25/2024					
Arsenic	10.2	0.0889	mg/kg	4.44	5.55	104	75-125			
Barium	622	8.89	"	444	135	110	75-125			
Cadmium	4.68	0.0889	"	4.44	0.256	99.6	75-125			
Selenium	4.65	0.0889	"	4.44	0.331	97.3	75-125			
Matrix Spike Dup (B4A2327-MSD1)										
		Source: Y401535-02			Prepared: 01/23/2024 Analyzed: 01/25/2024					
Arsenic	10.6	0.0931	mg/kg	4.66	5.55	110	75-125	4.55	20	
Barium	665	9.31	"	466	135	114	75-125	6.70	20	
Cadmium	4.95	0.0931	"	4.66	0.256	101	75-125	5.51	20	
Selenium	5.00	0.0931	"	4.66	0.331	100	75-125	7.24	20	

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

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 B4A2324 - EPA 3580

Blank (B4A2324-BLK1)

Prepared: 01/23/2024 Analyzed: 01/23/2024

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
<hr/>										
Surrogate: Fluorene-d10	200		ug/kg	200		100	60-130			
Surrogate: Anthracene-d10	200		"	200		97.9	60-130			
Surrogate: Pyrene-d10	200		"	200		99.2	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		101	60-130			

LCS (B4A2324-BS1)

Prepared: 01/23/2024 Analyzed: 01/23/2024

1-Methylnaphthalene	0.185	0.002	mg/kg	0.200		92.7	70-130			
2-Methylnaphthalene	0.186	0.002	"	0.200		93.1	70-130			
Acenaphthene	0.183	0.020	"	0.200		91.4	70-130			
Anthracene	0.169	0.020	"	0.200		84.6	70-130			

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

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 B4A2324 - EPA 3580

LCS (B4A2324-BS1)

Prepared: 01/23/2024 Analyzed: 01/23/2024

Benzo (a) anthracene	0.167	0.005	mg/kg	0.200		83.6	70-130			
Benzo (a) pyrene	0.181	0.020	"	0.200		90.7	70-130			
Benzo (b) fluoranthene	0.184	0.020	"	0.200		92.0	70-130			
Benzo (g,h,i) perylene	0.185	0.020	"	0.200		92.4	70-130			
Benzo (k) fluoranthene	0.180	0.020	"	0.200		90.0	70-130			
Chrysene	0.183	0.020	"	0.200		91.6	70-130			
Dibenz (a,h) anthracene	0.190	0.020	"	0.200		94.9	70-130			
Fluoranthene	0.186	0.020	"	0.200		92.9	70-130			
Fluorene	0.182	0.020	"	0.200		90.8	70-130			
Indeno (1,2,3-cd) pyrene	0.189	0.020	"	0.200		94.3	70-130			
Naphthalene	0.188	0.002	"	0.200		93.8	70-130			
Phenanthrene	0.180	0.020	"	0.200		90.2	70-130			
Pyrene	0.188	0.020	"	0.200		93.9	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		101	60-130			
Surrogate: Anthracene-d10	200		"	200		99.0	60-130			
Surrogate: Pyrene-d10	200		"	200		102	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		101	60-130			

Matrix Spike (B4A2324-MS1)

Source: Y401518-01

Prepared: 01/23/2024 Analyzed: 01/23/2024

1-Methylnaphthalene	0.189	0.002	mg/kg	0.200	ND	94.3	70-130			
2-Methylnaphthalene	0.196	0.002	"	0.200	0.003	96.3	70-130			
Acenaphthene	0.205	0.020	"	0.200	0.014	95.5	70-130			
Anthracene	0.189	0.020	"	0.200	0.003	93.2	70-130			
Benzo (a) anthracene	0.188	0.005	"	0.200	ND	94.1	70-130			
Benzo (a) pyrene	0.188	0.020	"	0.200	ND	94.2	70-130			
Benzo (b) fluoranthene	0.196	0.020	"	0.200	ND	98.2	70-130			
Benzo (g,h,i) perylene	0.190	0.020	"	0.200	0.0003	94.8	70-130			

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

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 B4A2324 - EPA 3580

Matrix Spike (B4A2324-MS1)		Source: Y401518-01			Prepared: 01/23/2024 Analyzed: 01/23/2024					
Benzo (k) fluoranthene	0.201	0.020	mg/kg	0.200	ND	101	70-130			
Chrysene	0.188	0.020	"	0.200	0.002	93.4	70-130			
Dibenz (a,h) anthracene	0.194	0.020	"	0.200	ND	97.0	70-130			
Fluoranthene	0.192	0.020	"	0.200	0.001	95.5	70-130			
Fluorene	0.203	0.020	"	0.200	0.017	92.8	70-130			
Indeno (1,2,3-cd) pyrene	0.193	0.020	"	0.200	ND	96.4	70-130			
Naphthalene	0.189	0.002	"	0.200	ND	94.3	70-130			
Phenanthrene	0.208	0.020	"	0.200	0.019	94.8	70-130			
Pyrene	0.193	0.020	"	0.200	0.001	96.0	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		99.5	60-130			
Surrogate: Anthracene-d10	200		"	200		98.3	60-130			
Surrogate: Pyrene-d10	200		"	200		101	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		99.2	60-130			

Matrix Spike Dup (B4A2324-MSD1)		Source: Y401518-01			Prepared: 01/23/2024 Analyzed: 01/23/2024					
1-Methylnaphthalene	0.191	0.002	mg/kg	0.200	ND	95.5	70-130	1.22	20	
2-Methylnaphthalene	0.197	0.002	"	0.200	0.003	96.8	70-130	0.509	20	
Acenaphthene	0.206	0.020	"	0.200	0.014	95.6	70-130	0.168	20	
Anthracene	0.181	0.020	"	0.200	0.003	89.3	70-130	4.27	20	
Benzo (a) anthracene	0.191	0.005	"	0.200	ND	95.5	70-130	1.49	20	
Benzo (a) pyrene	0.177	0.020	"	0.200	ND	88.7	70-130	5.99	20	
Benzo (b) fluoranthene	0.195	0.020	"	0.200	ND	97.6	70-130	0.592	20	
Benzo (g,h,i) perylene	0.202	0.020	"	0.200	0.0003	101	70-130	6.31	20	
Benzo (k) fluoranthene	0.185	0.020	"	0.200	ND	92.6	70-130	8.41	20	
Chrysene	0.188	0.020	"	0.200	0.002	93.2	70-130	0.271	20	
Dibenz (a,h) anthracene	0.200	0.020	"	0.200	ND	100	70-130	3.01	20	
Fluoranthene	0.194	0.020	"	0.200	0.001	96.4	70-130	0.895	20	

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

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 B4A2324 - EPA 3580

Matrix Spike Dup (B4A2324-MSD1)	Source: Y401518-01			Prepared: 01/23/2024 Analyzed: 01/23/2024						
Fluorene	0.206	0.020	mg/kg	0.200	0.017	94.2	70-130	1.36	20	
Indeno (1,2,3-cd) pyrene	0.204	0.020	"	0.200	ND	102	70-130	5.84	20	
Naphthalene	0.189	0.002	"	0.200	ND	94.6	70-130	0.275	20	
Phenanthrene	0.208	0.020	"	0.200	0.019	94.7	70-130	0.0589	20	
Pyrene	0.189	0.020	"	0.200	0.001	93.9	70-130	2.17	20	
Surrogate: Fluorene-d10	200		ug/kg	200		99.5	60-130			
Surrogate: Anthracene-d10	200		"	200		99.6	60-130			
Surrogate: Pyrene-d10	200		"	200		98.9	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		102	60-130			

Origins Laboratory, Inc.



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 Wheat Ridge CO 80033

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 B4A2416 - Saturated Paste pH/EC

Duplicate (B4A2416-DUP1)

Source: Y401527-01

Prepared: 01/24/2024 Analyzed: 01/25/2024

pH	8.32		pH Units		8.26			0.724	25	
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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

Notes and Definitions

U Sample is Non-Detect.

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.



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



January 10, 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. January 03, 2024. This project is associated with Origins project number Y401031-01.

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-W06@10'	Y401031-01	Soil	January 3, 2024 13:25	01/03/2024 15:24
FL-N07@7'	Y401031-02	Soil	January 3, 2024 13:30	01/03/2024 15:24
FL-BG05@10'	Y401031-03	Soil	January 3, 2024 13:55	01/03/2024 15:24

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.

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

ORIGINS

LABORATORY, INC

Impacted
 Y401031

www.originslaboratory.com

page 1 of 1

Client: Eagle Environmental (pty)
 Address: 8000 W 44th Ave
Wheat Ridge, CO 80033
 Telephone Number: 303-433-0474
 Email Address: dcoloccia@eagle-enviro.com
 Project Manager: D. Coloccia
 Project Name: REI H 9-32D, REI H 9-33D
 Project Number: -
 Samples Collected By: SG

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative			Matrix		Analysis					Sample Instructions			
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa Canister #	Other	Nitph.	PH		Arsenic	Barium	Cadmium
FL-W06 @ 10'	1/3/24	1325	3	X									X	X	X	X	
FL-N07 @ 7'		1330	3					X					X	X	X	X	
WH-BG05 @ 10'	1	1355	2										X	X	X	X	
																	10
																	9
																	8
																	7
																	6
																	5
																	4
																	3
																	2
																	1

Temp Received: 59 Date Results Needed

Relinquished By: Jim Q Date: 1/03/2024 Time: 1524
 Received By: SHS Date: 1/3/24 Time: 1524
 Turnaround Time:
 Same Day
 24 Hr
 48 Hr
 72 Hr
 Standard

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

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4401031

Client: Eagle

Client Project ID: REI H 9-32D, H 9-33D

Checklist Completed by: JH

Shipped Via: HLV

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 1/13/14

Airbill #: N/A

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

Cooler Number/Temperature: 15.9 °C / _____ °C / _____ °C (Describe)

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 ⁽¹⁾ ?	<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 ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<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 ⁽¹⁾ ? (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 ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)			<input checked="" type="checkbox"/>	
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) JH

Date/Time Reviewed 1/13/14

Origins Laboratory, Inc.

J. Bynon

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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-W06@10'

1/3/2024 1:25:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401031-01 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4A0319	Windo	01/03/2024	01/03/2024	U
2-Methylnaphthalene	ND	0.002	"	"	"	Windo	"	"	U
Acenaphthene	ND	0.020	"	"	"	Windo	"	"	U
Anthracene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	Windo	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Chrysene	ND	0.020	"	"	"	Windo	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	Windo	"	"	U
Fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Fluorene	ND	0.020	"	"	"	Windo	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	Windo	"	"	U
Naphthalene	ND	0.002	"	"	"	Windo	"	"	U
Pyrene	ND	0.020	"	"	"	Windo	"	"	U

Surrogate: Fluorene-d10	99.6 %	60-130	"	"	"	"	"	"
Surrogate: Anthracene-d10	98.9 %	60-130	"	"	"	"	"	"
Surrogate: Pyrene-d10	105 %	60-130	"	"	"	"	"	"
Surrogate: Benzo (a) pyrene-d12	99.4 %	60-130	"	"	"	"	"	"

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-W06@10'

1/3/2024 1:25:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401031-01 (Soil)

pH in Soil by 9045D

pH	8.50		pH Units	1	B4A0513	ACN	01/05/2024	01/06/2024	
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Table 915 metals by EPA 6020B

Arsenic	5.14	0.0959	mg/kg	10	B4A0325	RSM	01/03/2024	01/05/2024	
Barium	235	9.59	"	"	"	RSM	"	"	
Cadmium	0.191	0.0959	"	"	"	RSM	"	"	
Selenium	0.117	0.0959	"	"	"	RSM	"	"	

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-N07@7'

1/3/2024 1:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y401031-02 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4A0319	Windo	01/03/2024	01/03/2024	U
2-Methylnaphthalene	ND	0.002	"	"	"	Windo	"	"	U
Acenaphthene	ND	0.020	"	"	"	Windo	"	"	U
Anthracene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	Windo	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Chrysene	ND	0.020	"	"	"	Windo	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	Windo	"	"	U
Fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Fluorene	ND	0.020	"	"	"	Windo	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	Windo	"	"	U
Naphthalene	ND	0.002	"	"	"	Windo	"	"	U
Pyrene	ND	0.020	"	"	"	Windo	"	"	U

Surrogate: Fluorene-d10	98.8 %	60-130	"	"	"	"	"	"	"
Surrogate: Anthracene-d10	98.5 %	60-130	"	"	"	"	"	"	"
Surrogate: Pyrene-d10	103 %	60-130	"	"	"	"	"	"	"
Surrogate: Benzo (a) pyrene-d12	101 %	60-130	"	"	"	"	"	"	"

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-N07@7'

1/3/2024 1:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401031-02 (Soil)

pH in Soil by 9045D

pH	8.51		pH Units	1	B4A0513	ACN	01/05/2024	01/06/2024	
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Table 915 metals by EPA 6020B

Arsenic	4.73	0.0971	mg/kg	10	B4A0325	RSM	01/03/2024	01/05/2024	
Barium	211	9.71	"	"	"	RSM	"	"	
Cadmium	0.233	0.0971	"	"	"	RSM	"	"	
Selenium	0.140	0.0971	"	"	"	RSM	"	"	

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-BG05@10'

1/3/2024 1:55:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401031-03 (Soil)

pH in Soil by 9045D

pH	8.47		pH Units	1	B4A0513	ACN	01/05/2024	01/06/2024	
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Table 915 metals by EPA 6020B

Arsenic	5.86	0.0978	mg/kg	10	B4A0325	RSM	01/03/2024	01/05/2024	
Barium	149	9.78	"	"	"	RSM	"	"	
Cadmium	0.196	0.0978	"	"	"	RSM	"	"	
Selenium	0.170	0.0978	"	"	"	RSM	"	"	

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 B4A0325 - EPA 3050B

Blank (B4A0325-BLK1)

Prepared: 01/03/2024 Analyzed: 01/05/2024

Arsenic	ND	0.0100	mg/kg							
Barium	ND	1.00	"							
Cadmium	ND	0.0100	"							
Copper	ND	1.00	"							
Lead	ND	0.100	"							
Nickel	ND	0.100	"							
Selenium	ND	0.0100	"							
Silver	ND	0.0100	"							
Zinc	ND	1.00	"							

LCS (B4A0325-BS1)

Prepared: 01/03/2024 Analyzed: 01/05/2024

Arsenic	4.55	0.0100	mg/kg	5.00		91.1	80-120			
Barium	483	1.00	"	500		96.6	80-120			
Cadmium	5.01	0.0100	"	5.00		100	80-120			
Copper	45.6	1.00	"	50.0		91.2	80-120			
Lead	4.96	0.100	"	5.00		99.1	80-120			
Nickel	4.79	0.100	"	5.00		95.9	80-120			
Selenium	4.42	0.0100	"	5.00		88.4	80-120			
Silver	5.06	0.0100	"	5.00		101	80-120			
Zinc	46.7	1.00	"	50.0		93.3	80-120			

Matrix Spike (B4A0325-MS1)

Source: Y312515-01

Prepared: 01/03/2024 Analyzed: 01/05/2024

Arsenic	9.83	0.0962	mg/kg	4.81	4.78	105	75-125			QM-07
Barium	606	9.62	"	481	86.0	108	75-125			
Cadmium	5.57	0.0962	"	4.81	0.169	112	75-125			
Copper	55.8	9.62	"	48.1	7.96	99.4	75-125			
Lead	15.0	0.962	"	4.81	8.54	134	75-125			QM-07

Origins Laboratory, Inc.



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 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 B4A0325 - EPA 3050B

Matrix Spike (B4A0325-MS1)		Source: Y312515-01			Prepared: 01/03/2024 Analyzed: 01/05/2024					
Nickel	13.3	0.962	mg/kg	4.81	8.83	93.7	75-125			
Selenium	4.90	0.0962	"	4.81	0.184	98.0	75-125			
Silver	5.42	0.0962	"	4.81	0.0392	112	75-125			
Zinc	95.0	9.62	"	48.1	42.7	109	75-125			
Matrix Spike Dup (B4A0325-MSD1)		Source: Y312515-01			Prepared: 01/03/2024 Analyzed: 01/05/2024					
Arsenic	10.4	0.0896	mg/kg	4.48	4.78	126	75-125	5.99	20	QM-07
Barium	588	8.96	"	448	86.0	112	75-125	2.91	20	
Cadmium	5.36	0.0896	"	4.48	0.169	116	75-125	3.98	20	
Copper	55.1	8.96	"	44.8	7.96	105	75-125	1.26	20	
Lead	15.0	0.896	"	4.48	8.54	144	75-125	0.129	20	QM-07
Nickel	13.3	0.896	"	4.48	8.83	99.1	75-125	0.486	20	
Selenium	4.43	0.0896	"	4.48	0.184	94.7	75-125	10.0	20	
Silver	5.25	0.0896	"	4.48	0.0392	116	75-125	3.07	20	
Zinc	92.7	8.96	"	44.8	42.7	111	75-125	2.42	20	

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

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 B4A0319 - EPA 3580

Blank (B4A0319-BLK1)

Prepared: 01/03/2024 Analyzed: 01/03/2024

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	200		ug/kg	200		98.9	60-130			
Surrogate: Anthracene-d10	200		"	200		98.6	60-130			
Surrogate: Pyrene-d10	210		"	200		104	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		99.4	60-130			

LCS (B4A0319-BS1)

Prepared: 01/03/2024 Analyzed: 01/03/2024

1-Methylnaphthalene	0.200	0.002	mg/kg	0.200		100	70-130			
2-Methylnaphthalene	0.202	0.002	"	0.200		101	70-130			
Acenaphthene	0.195	0.020	"	0.200		97.7	70-130			
Anthracene	0.183	0.020	"	0.200		91.7	70-130			

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 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 B4A0319 - EPA 3580

LCS (B4A0319-BS1)

Prepared: 01/03/2024 Analyzed: 01/03/2024

Benzo (a) anthracene	0.209	0.005	mg/kg	0.200		105	70-130			
Benzo (a) pyrene	0.230	0.020	"	0.200		115	70-130			
Benzo (b) fluoranthene	0.203	0.020	"	0.200		101	70-130			
Benzo (g,h,i) perylene	0.204	0.020	"	0.200		102	70-130			
Benzo (k) fluoranthene	0.187	0.020	"	0.200		93.4	70-130			
Chrysene	0.199	0.020	"	0.200		99.5	70-130			
Dibenz (a,h) anthracene	0.181	0.020	"	0.200		90.3	70-130			
Fluoranthene	0.200	0.020	"	0.200		100	70-130			
Fluorene	0.200	0.020	"	0.200		99.8	70-130			
Indeno (1,2,3-cd) pyrene	0.195	0.020	"	0.200		97.3	70-130			
Naphthalene	0.203	0.002	"	0.200		102	70-130			
Phenanthrene	0.198	0.020	"	0.200		98.8	70-130			
Pyrene	0.200	0.020	"	0.200		100	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		101	60-130			
Surrogate: Anthracene-d10	200		"	200		102	60-130			
Surrogate: Pyrene-d10	200		"	200		101	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		99.4	60-130			

Matrix Spike (B4A0319-MS1)

Source: Y401026-01

Prepared: 01/03/2024 Analyzed: 01/03/2024

1-Methylnaphthalene	0.206	0.002	mg/kg	0.200	0.001	102	70-130			
2-Methylnaphthalene	0.205	0.002	"	0.200	0.001	102	70-130			
Acenaphthene	0.200	0.020	"	0.200	ND	100	70-130			
Anthracene	0.183	0.020	"	0.200	0.001	90.7	70-130			
Benzo (a) anthracene	0.207	0.005	"	0.200	0.001	103	70-130			
Benzo (a) pyrene	0.232	0.020	"	0.200	ND	116	70-130			
Benzo (b) fluoranthene	0.209	0.020	"	0.200	0.0009	104	70-130			
Benzo (g,h,i) perylene	0.212	0.020	"	0.200	ND	106	70-130			

Origins Laboratory, Inc.



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 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 B4A0319 - EPA 3580

Matrix Spike (B4A0319-MS1)		Source: Y401026-01			Prepared: 01/03/2024 Analyzed: 01/03/2024					
Benzo (k) fluoranthene	0.190	0.020	mg/kg	0.200	0.0008	94.8	70-130			
Chrysene	0.207	0.020	"	0.200	0.001	103	70-130			
Dibenz (a,h) anthracene	0.186	0.020	"	0.200	ND	92.8	70-130			
Fluoranthene	0.196	0.020	"	0.200	0.001	97.4	70-130			
Fluorene	0.202	0.020	"	0.200	ND	101	70-130			
Indeno (1,2,3-cd) pyrene	0.197	0.020	"	0.200	0.001	97.5	70-130			
Naphthalene	0.206	0.002	"	0.200	ND	103	70-130			
Phenanthrene	0.201	0.020	"	0.200	ND	101	70-130			
Pyrene	0.206	0.020	"	0.200	0.002	102	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		98.9	60-130			
Surrogate: Anthracene-d10	200		"	200		102	60-130			
Surrogate: Pyrene-d10	200		"	200		102	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		99.7	60-130			

Matrix Spike Dup (B4A0319-MSD1)		Source: Y401026-01			Prepared: 01/03/2024 Analyzed: 01/03/2024					
1-Methylnaphthalene	0.208	0.002	mg/kg	0.200	0.001	103	70-130	1.06	20	
2-Methylnaphthalene	0.204	0.002	"	0.200	0.001	102	70-130	0.410	20	
Acenaphthene	0.200	0.020	"	0.200	ND	99.8	70-130	0.160	20	
Anthracene	0.181	0.020	"	0.200	0.001	90.1	70-130	0.697	20	
Benzo (a) anthracene	0.205	0.005	"	0.200	0.001	102	70-130	0.802	20	
Benzo (a) pyrene	0.235	0.020	"	0.200	ND	117	70-130	1.23	20	
Benzo (b) fluoranthene	0.202	0.020	"	0.200	0.0009	100	70-130	3.43	20	
Benzo (g,h,i) perylene	0.203	0.020	"	0.200	ND	102	70-130	4.18	20	
Benzo (k) fluoranthene	0.192	0.020	"	0.200	0.0008	95.6	70-130	0.883	20	
Chrysene	0.206	0.020	"	0.200	0.001	102	70-130	0.466	20	
Dibenz (a,h) anthracene	0.195	0.020	"	0.200	ND	97.4	70-130	4.77	20	
Fluoranthene	0.199	0.020	"	0.200	0.001	98.6	70-130	1.17	20	

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

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 B4A0319 - EPA 3580

Matrix Spike Dup (B4A0319-MSD1)	Source: Y401026-01			Prepared: 01/03/2024 Analyzed: 01/03/2024						
Fluorene	0.205	0.020	mg/kg	0.200	ND	102	70-130	1.54	20	
Indeno (1,2,3-cd) pyrene	0.201	0.020	"	0.200	0.001	100	70-130	2.44	20	
Naphthalene	0.206	0.002	"	0.200	ND	103	70-130	0.172	20	
Phenanthrene	0.197	0.020	"	0.200	ND	98.7	70-130	1.82	20	
Pyrene	0.206	0.020	"	0.200	0.002	102	70-130	0.0248	20	
Surrogate: Fluorene-d10	200		ug/kg	200		101	60-130			
Surrogate: Anthracene-d10	200		"	200		98.9	60-130			
Surrogate: Pyrene-d10	200		"	200		99.7	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		98.6	60-130			

Origins Laboratory, Inc.



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 Wheat Ridge CO 80033

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 B4A0513 - Saturated Paste pH/EC

Duplicate (B4A0513-DUP1)

Source: Y401016-02

Prepared: 01/05/2024 Analyzed: 01/06/2024

pH	8.26		pH Units		8.26			0.00	25	
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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.

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.

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



February 02, 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. January 24, 2024. This project is associated with Origins project number Y401566-01.

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-E07@7'	Y401566-01	Soil	January 24, 2024 11:50	01/24/2024 13:30
FL-S06@10'	Y401566-02	Soil	January 24, 2024 12:00	01/24/2024 13:30

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.

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

ORIGINS
LABORATORY, INC

Invited
-HDSW


www.originslaboratory.com

page 1 of 1

Client: Eagle Environmental (KX)
 Address: 8000 W 44th Ave
Wheat Ridge, CO 80033
 Telephone Number: 303-433-0424
 Email Address: d.coloccia@eagle-enviro.com

Project Manager: D. Coloccia
 Project Name: REI H 9-32D, REI H 9-33D
 Project Number: -
 Samples Collected By: BL

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative			Matrix		Analysis				Sample Instructions						
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa Canister #	Other	Naph.		PAH's	pH	Arsenic	Barium	Cadmium	Selenium
FL-E07e71	1/24/24	1150	3	X							X	X	X	X	X	X	X	X	
FL-S08e101	↓	1200	↓	↓							↓	↓	↓	↓	↓	↓	↓	↓	↓
Relinquished By: <u>BL</u>	Date: <u>1/24/24</u>	Time: <u>1230</u>	Received By: <u>BL</u>	Date: <u>1/24/24</u>	Time: <u>1330</u>	Turnaround 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"/>		Temp Received: <u>4</u> Date Results Needed											

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.

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: 740151000

Client: Eagle

Client Project ID: REI H 9-32D, REI H 9-33D

Checklist Completed by: JWH/CHS

Shipped Via: HD

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 1/24/24

Airbill #: N/A

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

Cooler Number/Temperature: 1/6.4 °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 ⁽¹⁾ ?		/		SD
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 analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		/		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	/			
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 (> ¼ 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 subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +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.

JWH
 Reviewed by (Project Manager)

1/24/24
 Date/Time Reviewed

Origins Laboratory, Inc.

J. Bynon

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.

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@7'

1/24/2024 11:50:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401566-01 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4A2427	agile	01/24/2024	01/24/2024	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	97.1 %	60-130			"	"	"	
Surrogate: Anthracene-d10	102 %	60-130			"	"	"	
Surrogate: Pyrene-d10	106 %	60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	121 %	60-130			"	"	"	

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.

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@7'

1/24/2024 11:50:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y401566-01 (Soil)

pH in Soil by 9045D

pH	8.32		pH Units	1	B4A2617	ACN	01/26/2024	01/27/2024	
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Table 915 metals by EPA 6020B

Arsenic	2.81	0.0874	mg/kg	10	B4A2428	JAH	01/24/2024	01/26/2024	
Barium	154	8.74	"	"	"	JAH	"	"	
Cadmium	0.136	0.0874	"	"	"	JAH	"	"	
Selenium	ND	0.0874	"	"	"	JAH	"	"	

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.

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@10'

1/24/2024 12:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401566-02 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4A2427	agile	01/24/2024	01/24/2024	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	99.1 %	60-130	"	"	"	"	"	"	"
Surrogate: Anthracene-d10	107 %	60-130	"	"	"	"	"	"	"
Surrogate: Pyrene-d10	99.0 %	60-130	"	"	"	"	"	"	"
Surrogate: Benzo (a) pyrene-d12	109 %	60-130	"	"	"	"	"	"	"

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@10'

1/24/2024 12:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401566-02 (Soil)

pH in Soil by 9045D

pH	8.30		pH Units	1	B4A2617	ACN	01/26/2024	01/27/2024	
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Table 915 metals by EPA 6020B

Arsenic	2.75	0.0839	mg/kg	10	B4A2428	JAH	01/24/2024	01/26/2024	
Barium	254	8.39	"	"	"	JAH	"	"	
Cadmium	0.111	0.0839	"	"	"	JAH	"	"	
Selenium	ND	0.0839	"	"	"	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
Batch B4A2428 - EPA 3050B										
Blank (B4A2428-BLK1) Prepared: 01/24/2024 Analyzed: 01/26/2024										
Arsenic	ND	0.0100	mg/kg							
Barium	ND	1.00	"							
Cadmium	ND	0.0100	"							
Selenium	ND	0.0100	"							
LCS (B4A2428-BS1) Prepared: 01/24/2024 Analyzed: 01/26/2024										
Arsenic	4.88	0.0100	mg/kg	5.00		97.7	80-120			
Barium	511	1.00	"	500		102	80-120			
Cadmium	4.93	0.0100	"	5.00		98.6	80-120			
Selenium	4.49	0.0100	"	5.00		89.8	80-120			
Matrix Spike (B4A2428-MS1) Source: Y401169-02 Prepared: 01/24/2024 Analyzed: 01/26/2024										
Arsenic	9.32	0.0980	mg/kg	4.90	3.76	113	75-125			
Barium	722	9.80	"	490	89.3	129	75-125			QM-07
Cadmium	5.96	0.0980	"	4.90	0.149	119	75-125			
Selenium	3.86	0.0980	"	4.90	0.100	76.8	75-125			
Matrix Spike Dup (B4A2428-MSD1) Source: Y401169-02 Prepared: 01/24/2024 Analyzed: 01/26/2024										
Arsenic	8.52	0.0912	mg/kg	4.56	3.76	104	75-125	8.90	20	
Barium	666	9.12	"	456	89.3	126	75-125	8.15	20	QM-07
Cadmium	5.29	0.0912	"	4.56	0.149	113	75-125	11.8	20	
Selenium	3.54	0.0912	"	4.56	0.100	75.4	75-125	8.81	20	

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

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 B4A2427 - EPA 3580

Blank (B4A2427-BLK1)

Prepared: 01/24/2024 Analyzed: 01/24/2024

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	200		ug/kg	200		100	60-130			
Surrogate: Anthracene-d10	210		"	200		107	60-130			
Surrogate: Pyrene-d10	190		"	200		97.3	60-130			
Surrogate: Benzo (a) pyrene-d12	220		"	200		108	60-130			

LCS (B4A2427-BS1)

Prepared: 01/24/2024 Analyzed: 01/24/2024

1-Methylnaphthalene	0.210	0.002	mg/kg	0.200		105	70-130			
2-Methylnaphthalene	0.211	0.002	"	0.200		106	70-130			
Acenaphthene	0.176	0.020	"	0.200		88.1	70-130			
Anthracene	0.198	0.020	"	0.200		99.1	70-130			

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.

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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B4A2427 - EPA 3580

LCS (B4A2427-BS1)

Prepared: 01/24/2024 Analyzed: 01/24/2024

Benzo (a) anthracene	0.171	0.005	mg/kg	0.200		85.7	70-130			
Benzo (a) pyrene	0.205	0.020	"	0.200		102	70-130			
Benzo (b) fluoranthene	0.195	0.020	"	0.200		97.6	70-130			
Benzo (g,h,i) perylene	0.215	0.020	"	0.200		108	70-130			
Benzo (k) fluoranthene	0.204	0.020	"	0.200		102	70-130			
Chrysene	0.197	0.020	"	0.200		98.6	70-130			
Dibenz (a,h) anthracene	0.236	0.020	"	0.200		118	70-130			
Fluoranthene	0.175	0.020	"	0.200		87.4	70-130			
Fluorene	0.167	0.020	"	0.200		83.4	70-130			
Indeno (1,2,3-cd) pyrene	0.219	0.020	"	0.200		110	70-130			
Naphthalene	0.186	0.002	"	0.200		93.2	70-130			
Phenanthrene	0.195	0.020	"	0.200		97.4	70-130			
Pyrene	0.174	0.020	"	0.200		86.9	70-130			
Surrogate: Fluorene-d10	190		ug/kg	200		94.7	60-130			
Surrogate: Anthracene-d10	220		"	200		109	60-130			
Surrogate: Pyrene-d10	190		"	200		95.6	60-130			
Surrogate: Benzo (a) pyrene-d12	230		"	200		114	60-130			

Matrix Spike (B4A2427-MS1)

Source: Y401566-01

Prepared: 01/24/2024 Analyzed: 01/24/2024

1-Methylnaphthalene	0.193	0.002	mg/kg	0.200	0.0005	96.1	70-130			
2-Methylnaphthalene	0.194	0.002	"	0.200	ND	97.1	70-130			
Acenaphthene	0.166	0.020	"	0.200	0.0003	82.8	70-130			
Anthracene	0.183	0.020	"	0.200	0.0005	91.1	70-130			
Benzo (a) anthracene	0.173	0.005	"	0.200	0.003	84.8	70-130			
Benzo (a) pyrene	0.190	0.020	"	0.200	0.003	93.5	70-130			
Benzo (b) fluoranthene	0.160	0.020	"	0.200	0.004	78.1	70-130			
Benzo (g,h,i) perylene	0.181	0.020	"	0.200	0.002	89.2	70-130			

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.

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 B4A2427 - EPA 3580

Matrix Spike (B4A2427-MS1)		Source: Y401566-01			Prepared: 01/24/2024 Analyzed: 01/24/2024					
Benzo (k) fluoranthene	0.172	0.020	mg/kg	0.200	0.002	84.9	70-130			
Chrysene	0.195	0.020	"	0.200	0.003	96.2	70-130			
Dibenz (a,h) anthracene	0.179	0.020	"	0.200	0.001	89.2	70-130			
Fluoranthene	0.187	0.020	"	0.200	0.005	91.4	70-130			
Fluorene	0.159	0.020	"	0.200	0.0007	79.0	70-130			
Indeno (1,2,3-cd) pyrene	0.184	0.020	"	0.200	0.002	90.8	70-130			
Naphthalene	0.175	0.002	"	0.200	ND	87.4	70-130			
Phenanthrene	0.189	0.020	"	0.200	0.003	93.0	70-130			
Pyrene	0.189	0.020	"	0.200	0.006	91.8	70-130			
Surrogate: Fluorene-d10	190		ug/kg	200		95.2	60-130			
Surrogate: Anthracene-d10	220		"	200		112	60-130			
Surrogate: Pyrene-d10	210		"	200		105	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		104	60-130			

Matrix Spike Dup (B4A2427-MSD1)		Source: Y401566-01			Prepared: 01/24/2024 Analyzed: 01/24/2024					
1-Methylnaphthalene	0.189	0.002	mg/kg	0.200	0.0005	94.4	70-130	1.78	20	
2-Methylnaphthalene	0.188	0.002	"	0.200	ND	94.2	70-130	3.01	20	
Acenaphthene	0.166	0.020	"	0.200	0.0003	82.6	70-130	0.266	20	
Anthracene	0.184	0.020	"	0.200	0.0005	91.7	70-130	0.650	20	
Benzo (a) anthracene	0.167	0.005	"	0.200	0.003	82.0	70-130	3.32	20	
Benzo (a) pyrene	0.182	0.020	"	0.200	0.003	89.5	70-130	4.25	20	
Benzo (b) fluoranthene	0.166	0.020	"	0.200	0.004	81.2	70-130	3.79	20	
Benzo (g,h,i) perylene	0.156	0.020	"	0.200	0.002	77.0	70-130	14.5	20	
Benzo (k) fluoranthene	0.173	0.020	"	0.200	0.002	85.4	70-130	0.547	20	
Chrysene	0.179	0.020	"	0.200	0.003	88.2	70-130	8.53	20	
Dibenz (a,h) anthracene	0.195	0.020	"	0.200	0.001	97.0	70-130	8.34	20	
Fluoranthene	0.168	0.020	"	0.200	0.005	81.7	70-130	10.9	20	

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

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 B4A2427 - EPA 3580

Matrix Spike Dup (B4A2427-MSD1)	Source: Y401566-01			Prepared: 01/24/2024 Analyzed: 01/24/2024						
Fluorene	0.155	0.020	mg/kg	0.200	0.0007	77.1	70-130	2.45	20	
Indeno (1,2,3-cd) pyrene	0.169	0.020	"	0.200	0.002	83.7	70-130	8.11	20	
Naphthalene	0.172	0.002	"	0.200	ND	86.0	70-130	1.64	20	
Phenanthrene	0.177	0.020	"	0.200	0.003	86.8	70-130	6.76	20	
Pyrene	0.170	0.020	"	0.200	0.006	82.0	70-130	10.9	20	
Surrogate: Fluorene-d10	190		ug/kg	200		94.5	60-130			
Surrogate: Anthracene-d10	210		"	200		106	60-130			
Surrogate: Pyrene-d10	190		"	200		96.8	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		103	60-130			

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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

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 B4A2617 - Saturated Paste pH/EC

Duplicate (B4A2617-DUP1)

Source: Y401304-01

Prepared: 01/26/2024 Analyzed: 01/27/2024

pH	8.25		pH Units		8.25			0.00	25	
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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

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.



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



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.



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.

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



1402291

www.originslaboratory.com

Client: Eagle Environmental (ex)
 Address: 8000 W 44th Ave
Wheat Ridge, CO 80033
 Telephone Number: 303-433-4179
 Email Address: dcoloccia@eagle-lab.com
 Project Manager: D. Coloccia
 Project Name: REI H 9-32D, REI H 9-33D
 Project Number: -
 Samples Collected By: CS

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix		Analysis			Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa Canister #	Other	pH	
FL-BG06081	2/12/24	1330	3	X						X	X	X	
FL-BG060121		1332											
FL-BG07081		1334											
FL-BG070121		1336											
FL-BG08081		1338											
FL-BG080121		1340											
FL-BG09081		1342											
FL-BG090121		1344											

Temp Received: 3 Date Results Needed

Relinquished By: Chris Sodi Date: 2/12/24 Time: 1040
 Received By: [Signature] Date: 2/12/24 Time: 1040
 Turnaround Time: Same Day 24 Hr 48 Hr 72 Hr Standard

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.

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: 4402201 Client: Eagle
 Client Project ID: REI H 9-32, REI H 9-33

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

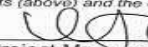
Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____


Cooler Number/Temperature: 113 °C °C °C (Describe) _____ °C

Thermometer ID: 2004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (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 ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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) 2/12/24
 Date/Time Reviewed

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.

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	Reporting 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	"	"	

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

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	"	"	

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.

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-BG07@8'

2/12/2024 1:34:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

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.



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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

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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 8000 W 44th Ave
 Wheat Ridge CO 80033

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

FL-BG08@8'

2/12/2024 1:38:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

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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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-BG08@12'
2/12/2024 1:40:00PM

Analyte	Result	Reporting 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	"	"	

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-BG09@8'

2/12/2024 1:42:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

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	
----	------	--	----------	---	---------	-----	------------	------------	--

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	"	"	

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

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	"	"	

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
Batch B4B1234 - EPA 3050B										
Blank (B4B1234-BLK1)					Prepared: 02/12/2024 Analyzed: 02/17/2024					
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

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.

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

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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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

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.



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



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.

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		Analyte					Sample Instructions				
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa Canister #	Other	NO ₃ -N	PH		Arsenic	Barium	Selenium	Cadmium
FL-318 @ 14'	7/4/24	1210	3	X				X										
FL-311 @ 14'		1215																
FL-488 @ 12'		1225																
FL-489 @ 12'		1230																
FL-497 @ 12'		1240																
FL-508 @ 12'		1245																
FL-506 @ 12'		1300																
FL-507 @ 12'		1305																
FL-487 @ 12'		1310																
FL-488 @ 12'		1315																

Client: Eagle Environmental (079)
 Address: 8000 W 44th Ave
Wheat Ridge, CO 80033
 Telephone Number: 303-433-0174
 Email Address: dan@eagle-env.com

Project Manager: D. Coloccia
 Project Name: REI H 9-32D REI H 9-33D
 Project Number: -
 Samples Collected By: SG

ORIGINS
 LABORATORY, INC

4403250
 I verified

www.originslaboratory.com


page 1 of 1

Temp Received: 4 Date Results Needed

Relinquished By: [Signature] Date: 7/14/2024 Time: 1020

Received By: [Signature] Date: 8/8/24 Time: 1020

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

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.

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: 4403250

Client: Eagle

Client Project ID: REI H 9-32D, REI H 9

Checklist Completed by: JST/ML

Shipped Via: HUO

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 3/8/12

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: T004

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 analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	/	/		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	/			
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 (> ¼ 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 subcontracted 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.

[Signature]
 Reviewed by (Project Manager)

3/8/12
 Date/Time Reviewed

Origins Laboratory, Inc.

[Signature]

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.

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	Reporting 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.



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.

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	Reporting 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	"	"	

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.

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	Reporting 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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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	Reporting 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	"	"	

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

Analyte	Result	Reporting 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			"	"	"	

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.

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	Reporting 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	"	"	

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.

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	Reporting 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			"	"	"	"	

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.

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	Reporting 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	"	"	

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.

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	Reporting 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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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	Reporting 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	Reporting 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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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	Reporting 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	Reporting 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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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	Reporting 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	Reporting 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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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	Reporting 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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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	Reporting 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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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	Reporting 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	Reporting 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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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	Reporting 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

Blank (B4C1124-BLK1)

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

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.



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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

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

Blank (B4C0828-BLK1)

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

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			

LCS (B4C0828-BS1)

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

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			

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

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			

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.

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

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	

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

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			

Origins Laboratory, Inc.



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 8000 W 44th Ave
 Wheat Ridge CO 80033

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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Origins Laboratory, Inc.



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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.

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.



November 17, 2023

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. November 10, 2023. This project is associated with Origins project number Y311305-01.

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-N06@7'	Y311305-01	Soil	November 10, 2023 13:00	11/10/2023 14:40
FL-E06@7'	Y311305-02	Soil	November 10, 2023 13:04	11/10/2023 14:40
FL-S05@10'	Y311305-03	Soil	November 10, 2023 13:07	11/10/2023 14:40
FL-W05@10'	Y311305-04	Soil	November 10, 2023 13:10	11/10/2023 14:40

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.

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

ORIGINS

LABORATORY, INC

1311305

Impacted

www.originslaboratory.com

page | of |

Client: Eagle Environmental (env)

Address: 8000 W. 44th ave

Wheat Ridge, CO 80033

Project Manager: D. Coloccia

Project Name: REI H 9-32D, REI H 9-33D

Project Number: -

Telephone Number: 303-433-0419

Email Address: d.coloccia@eagle-enviro.com

Samples Collected By: AR

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative			Matrix			Analysis				Sample Instructions	
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa Canister #	Other	Naph.	PAHs		pH
FL-EMMETT'	11/10/23	1300	3	X				X				X	X	X	* Metals: 1
FL-EMMETT'		1304	1												arsenic 2
FL-505210'		1301	1												barium 3
FL-105210'		1310	1												Cadmium 4
															Selenium 5

Temp Received: 3 Date Results Needed

Requisitioned By: *Handwritten*
 Date: 11/10/23
 Time: 1440
 Received By: *Handwritten*
 Date: 11/10/23
 Time: 1440
 Turnaround Time: Same Day 24 Hr 48 Hr 72 Hr Standard

Origins Laboratory, Inc.
Handwritten Signature

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.

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: 4311305

Client: Eagle

Client Project ID: REI H 932D, 32D

Checklist Completed by: EHS

Shipped Via: HD

Date/time completed: 11/10/23

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Airbill #: N/A

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

Cooler Number/Temperature: 113 °C 1 °C 1 °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 ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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"/>	<input type="checkbox"/>	<input 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"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (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 ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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.

[Signature]
 Reviewed by (Project Manager)

11/10/23
 Date/Time Reviewed

Origins Laboratory, Inc.

[Signature]

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.

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-N06@7'

11/10/2023 1:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y311305-01 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B3K1004	Windo	11/10/2023	11/10/2023	U
2-Methylnaphthalene	ND	0.002	"	"	"	Windo	"	"	U
Acenaphthene	ND	0.020	"	"	"	Windo	"	"	U
Anthracene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	Windo	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Chrysene	ND	0.020	"	"	"	Windo	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	Windo	"	"	U
Fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Fluorene	ND	0.020	"	"	"	Windo	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	Windo	"	"	U
Naphthalene	ND	0.002	"	"	"	Windo	"	"	U
Pyrene	ND	0.020	"	"	"	Windo	"	"	U

Surrogate: Fluorene-d10	99.4 %	60-130	"	"	"	"	"	"	"
Surrogate: Anthracene-d10	99.5 %	60-130	"	"	"	"	"	"	"
Surrogate: Pyrene-d10	97.8 %	60-130	"	"	"	"	"	"	"
Surrogate: Benzo (a) pyrene-d12	96.7 %	60-130	"	"	"	"	"	"	"

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-N06@7'

11/10/2023 1:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y311305-01 (Soil)

pH in Soil by 9045D

pH	8.33		pH Units	1	B3K1109	ACN	11/11/2023	11/12/2023	
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Table 915 metals by EPA 6020B

Arsenic	5.43	0.0930	mg/kg	10	B3K1406	HJD	11/14/2023	11/16/2023	
Barium	559	9.30	"	"	"	HJD	"	"	
Cadmium	0.202	0.0930	"	"	"	HJD	"	"	
Selenium	0.148	0.0930	"	"	"	HJD	"	"	

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-E06@7'

11/10/2023 1:04:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y311305-02 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B3K1004	Windo	11/10/2023	11/10/2023	U
2-Methylnaphthalene	ND	0.002	"	"	"	Windo	"	"	U
Acenaphthene	ND	0.020	"	"	"	Windo	"	"	U
Anthracene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	Windo	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Chrysene	ND	0.020	"	"	"	Windo	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	Windo	"	"	U
Fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Fluorene	ND	0.020	"	"	"	Windo	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	Windo	"	"	U
Naphthalene	ND	0.002	"	"	"	Windo	"	"	U
Pyrene	ND	0.020	"	"	"	Windo	"	"	U

Surrogate: Fluorene-d10	103 %	60-130			"	"	"
Surrogate: Anthracene-d10	92.5 %	60-130			"	"	"
Surrogate: Pyrene-d10	96.1 %	60-130			"	"	"
Surrogate: Benzo (a) pyrene-d12	96.4 %	60-130			"	"	"

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.

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-E06@7'

11/10/2023 1:04:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y311305-02 (Soil)

pH in Soil by 9045D

pH	8.24		pH Units	1	B3K1109	ACN	11/11/2023	11/12/2023	
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Table 915 metals by EPA 6020B

Arsenic	6.05	0.0900	mg/kg	10	B3K1406	HJD	11/14/2023	11/16/2023	
Barium	145	9.00	"	"	"	HJD	"	"	
Cadmium	0.194	0.0900	"	"	"	HJD	"	"	
Selenium	0.202	0.0900	"	"	"	HJD	"	"	

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.

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-S05@10'

11/10/2023 1:07:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y311305-03 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B3K1004	Windo	11/10/2023	11/10/2023	U
2-Methylnaphthalene	ND	0.002	"	"	"	Windo	"	"	U
Acenaphthene	ND	0.020	"	"	"	Windo	"	"	U
Anthracene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	Windo	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Chrysene	ND	0.020	"	"	"	Windo	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	Windo	"	"	U
Fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Fluorene	ND	0.020	"	"	"	Windo	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	Windo	"	"	U
Naphthalene	ND	0.002	"	"	"	Windo	"	"	U
Pyrene	ND	0.020	"	"	"	Windo	"	"	U

Surrogate: Fluorene-d10	99.8 %	60-130			"	"	"
Surrogate: Anthracene-d10	105 %	60-130			"	"	"
Surrogate: Pyrene-d10	96.5 %	60-130			"	"	"
Surrogate: Benzo (a) pyrene-d12	98.4 %	60-130			"	"	"

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.

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-S05@10'

11/10/2023 1:07:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y311305-03 (Soil)

pH in Soil by 9045D

pH	8.35		pH Units	1	B3K1109	ACN	11/11/2023	11/12/2023	
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Table 915 metals by EPA 6020B

Arsenic	3.48	0.0868	mg/kg	10	B3K1406	HJD	11/14/2023	11/16/2023	
Barium	85.8	8.68	"	"	"	HJD	"	"	
Cadmium	0.114	0.0868	"	"	"	HJD	"	"	
Selenium	ND	0.0868	"	"	"	HJD	"	"	

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-W05@10'

11/10/2023 1:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y311305-04 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B3K1004	Windo	11/10/2023	11/10/2023	U
2-Methylnaphthalene	ND	0.002	"	"	"	Windo	"	"	U
Acenaphthene	ND	0.020	"	"	"	Windo	"	"	U
Anthracene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	Windo	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Chrysene	ND	0.020	"	"	"	Windo	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	Windo	"	"	U
Fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Fluorene	ND	0.020	"	"	"	Windo	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	Windo	"	"	U
Naphthalene	ND	0.002	"	"	"	Windo	"	"	U
Pyrene	ND	0.020	"	"	"	Windo	"	"	U

Surrogate: Fluorene-d10	103 %	60-130			"	"	"
Surrogate: Anthracene-d10	94.8 %	60-130			"	"	"
Surrogate: Pyrene-d10	95.4 %	60-130			"	"	"
Surrogate: Benzo (a) pyrene-d12	97.8 %	60-130			"	"	"

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-W05@10'

11/10/2023 1:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y311305-04 (Soil)

pH in Soil by 9045D

pH	8.36		pH Units	1	B3K1109	ACN	11/11/2023	11/12/2023	
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Table 915 metals by EPA 6020B

Arsenic	4.54	0.0920	mg/kg	10	B3K1406	HJD	11/14/2023	11/16/2023	
Barium	264	9.20	"	"	"	HJD	"	"	
Cadmium	0.150	0.0920	"	"	"	HJD	"	"	
Selenium	ND	0.0920	"	"	"	HJD	"	"	

Origins Laboratory, Inc.



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 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 B3K1406 - EPA 3050B

Blank (B3K1406-BLK1)

Prepared: 11/14/2023 Analyzed: 11/16/2023

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

LCS (B3K1406-BS1)

Prepared: 11/14/2023 Analyzed: 11/16/2023

Arsenic	0.0519	0.000100	mg/kg	0.0500		104	80-120			
Barium	5.04	0.0100	"	5.00		101	80-120			
Cadmium	0.0535	0.000100	"	0.0500		107	80-120			
Copper	0.522	0.0100	"	0.500		104	80-120			
Lead	0.0522	0.0100	"	0.0500		104	80-120			
Nickel	0.0516	0.0100	"	0.0500		103	80-120			
Selenium	0.0507	0.000100	"	0.0500		101	80-120			
Silver	0.0534	0.000100	"	0.0500		107	80-120			
Zinc	0.473	0.100	"	0.500		94.6	80-120			

Matrix Spike (B3K1406-MS1)

Source: Y311304-01

Prepared: 11/14/2023 Analyzed: 11/16/2023

Arsenic	8.16	0.0941	mg/kg	4.70	3.27	104	75-125			
Barium	587	9.41	"	470	82.4	107	75-125			
Cadmium	5.48	0.0941	"	4.70	0.107	114	75-125			
Copper	59.8	9.41	"	47.0	10.6	105	75-125			
Lead	12.5	9.41	"	4.70	7.92	97.7	75-125			

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 B3K1406 - EPA 3050B

Matrix Spike (B3K1406-MS1)

Source: Y311304-01

Prepared: 11/14/2023 Analyzed: 11/16/2023

Nickel	14.2	9.41	mg/kg	4.70	9.83	92.5	75-125			
Selenium	5.20	0.0941	"	4.70	0.138	108	75-125			
Silver	5.33	0.0941	"	4.70	0.0398	112	75-125			
Zinc	81.1	94.1	"	47.0	37.6	92.4	75-125			

Matrix Spike Dup (B3K1406-MSD1)

Source: Y311304-01

Prepared: 11/14/2023 Analyzed: 11/16/2023

Arsenic	7.91	0.0865	mg/kg	4.32	3.27	107	75-125	3.01	20	
Barium	562	8.65	"	432	82.4	111	75-125	4.37	20	
Cadmium	5.09	0.0865	"	4.32	0.107	115	75-125	7.46	20	
Copper	56.1	8.65	"	43.2	10.6	105	75-125	6.43	20	
Lead	13.2	8.65	"	4.32	7.92	122	75-125	5.32	20	
Nickel	14.6	8.65	"	4.32	9.83	110	75-125	2.69	20	
Selenium	4.77	0.0865	"	4.32	0.138	107	75-125	8.74	20	
Silver	4.92	0.0865	"	4.32	0.0398	113	75-125	7.87	20	
Zinc	79.5	86.5	"	43.2	37.6	96.9	75-125	1.95	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.

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 B3K1004 - EPA 3580

Blank (B3K1004-BLK1)

Prepared: 11/10/2023 Analyzed: 11/10/2023

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	200		ug/kg	200		101	60-130			
Surrogate: Anthracene-d10	200		"	200		101	60-130			
Surrogate: Pyrene-d10	200		"	200		99.2	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		99.0	60-130			

LCS (B3K1004-BS1)

Prepared: 11/10/2023 Analyzed: 11/10/2023

1-Methylnaphthalene	0.202	0.002	mg/kg	0.200		101	70-130			
2-Methylnaphthalene	0.201	0.002	"	0.200		101	70-130			
Acenaphthene	0.199	0.020	"	0.200		99.3	70-130			
Anthracene	0.176	0.020	"	0.200		88.2	70-130			

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

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 B3K1004 - EPA 3580

LCS (B3K1004-BS1)

Prepared: 11/10/2023 Analyzed: 11/10/2023

Benzo (a) anthracene	0.183	0.005	mg/kg	0.200		91.5	70-130			
Benzo (a) pyrene	0.189	0.020	"	0.200		94.7	70-130			
Benzo (b) fluoranthene	0.173	0.020	"	0.200		86.6	70-130			
Benzo (g,h,i) perylene	0.207	0.020	"	0.200		103	70-130			
Benzo (k) fluoranthene	0.198	0.020	"	0.200		98.8	70-130			
Chrysene	0.180	0.020	"	0.200		90.1	70-130			
Dibenz (a,h) anthracene	0.195	0.020	"	0.200		97.7	70-130			
Fluoranthene	0.208	0.020	"	0.200		104	70-130			
Fluorene	0.205	0.020	"	0.200		102	70-130			
Indeno (1,2,3-cd) pyrene	0.200	0.020	"	0.200		99.9	70-130			
Naphthalene	0.204	0.002	"	0.200		102	70-130			
Phenanthrene	0.190	0.020	"	0.200		95.2	70-130			
Pyrene	0.184	0.020	"	0.200		92.1	70-130			
Surrogate: Fluorene-d10	210		ug/kg	200		103	60-130			
Surrogate: Anthracene-d10	200		"	200		98.3	60-130			
Surrogate: Pyrene-d10	190		"	200		95.1	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		98.2	60-130			

Matrix Spike (B3K1004-MS1)

Source: Y311303-01

Prepared: 11/10/2023 Analyzed: 11/10/2023

1-Methylnaphthalene	0.204	0.002	mg/kg	0.200	0.0008	102	70-130			
2-Methylnaphthalene	0.202	0.002	"	0.200	ND	101	70-130			
Acenaphthene	0.202	0.020	"	0.200	ND	101	70-130			
Anthracene	0.171	0.020	"	0.200	0.0008	85.0	70-130			
Benzo (a) anthracene	0.199	0.005	"	0.200	ND	99.3	70-130			
Benzo (a) pyrene	0.201	0.020	"	0.200	ND	100	70-130			
Benzo (b) fluoranthene	0.172	0.020	"	0.200	ND	85.8	70-130			
Benzo (g,h,i) perylene	0.212	0.020	"	0.200	ND	106	70-130			

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

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 B3K1004 - EPA 3580

Matrix Spike (B3K1004-MS1)		Source: Y311303-01			Prepared: 11/10/2023 Analyzed: 11/10/2023					
Benzo (k) fluoranthene	0.211	0.020	mg/kg	0.200	ND	105	70-130			
Chrysene	0.196	0.020	"	0.200	ND	98.0	70-130			
Dibenz (a,h) anthracene	0.196	0.020	"	0.200	ND	98.2	70-130			
Fluoranthene	0.209	0.020	"	0.200	ND	105	70-130			
Fluorene	0.205	0.020	"	0.200	ND	103	70-130			
Indeno (1,2,3-cd) pyrene	0.201	0.020	"	0.200	ND	101	70-130			
Naphthalene	0.205	0.002	"	0.200	ND	102	70-130			
Phenanthrene	0.194	0.020	"	0.200	ND	96.9	70-130			
Pyrene	0.183	0.020	"	0.200	ND	91.6	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		101	60-130			
Surrogate: Anthracene-d10	200		"	200		99.5	60-130			
Surrogate: Pyrene-d10	180		"	200		92.4	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		98.9	60-130			

Matrix Spike Dup (B3K1004-MSD1)		Source: Y311303-01			Prepared: 11/10/2023 Analyzed: 11/10/2023					
1-Methylnaphthalene	0.208	0.002	mg/kg	0.200	0.0008	104	70-130	1.64	20	
2-Methylnaphthalene	0.207	0.002	"	0.200	ND	103	70-130	2.55	20	
Acenaphthene	0.206	0.020	"	0.200	ND	103	70-130	1.82	20	
Anthracene	0.193	0.020	"	0.200	0.0008	96.3	70-130	12.4	20	
Benzo (a) anthracene	0.187	0.005	"	0.200	ND	93.7	70-130	5.78	20	
Benzo (a) pyrene	0.200	0.020	"	0.200	ND	100	70-130	0.357	20	
Benzo (b) fluoranthene	0.183	0.020	"	0.200	ND	91.6	70-130	6.49	20	
Benzo (g,h,i) perylene	0.215	0.020	"	0.200	ND	108	70-130	1.40	20	
Benzo (k) fluoranthene	0.213	0.020	"	0.200	ND	106	70-130	0.727	20	
Chrysene	0.206	0.020	"	0.200	ND	103	70-130	5.09	20	
Dibenz (a,h) anthracene	0.200	0.020	"	0.200	ND	100	70-130	1.88	20	
Fluoranthene	0.208	0.020	"	0.200	ND	104	70-130	0.450	20	

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

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 B3K1004 - EPA 3580

Matrix Spike Dup (B3K1004-MSD1)	Source: Y311303-01			Prepared: 11/10/2023 Analyzed: 11/10/2023						
Fluorene	0.207	0.020	mg/kg	0.200	ND	104	70-130	1.01	20	
Indeno (1,2,3-cd) pyrene	0.203	0.020	"	0.200	ND	101	70-130	0.827	20	
Naphthalene	0.209	0.002	"	0.200	ND	105	70-130	2.30	20	
Phenanthrene	0.196	0.020	"	0.200	ND	98.1	70-130	1.28	20	
Pyrene	0.198	0.020	"	0.200	ND	99.2	70-130	7.93	20	
Surrogate: Fluorene-d10	200		ug/kg	200		102	60-130			
Surrogate: Anthracene-d10	200		"	200		98.7	60-130			
Surrogate: Pyrene-d10	200		"	200		98.7	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		99.0	60-130			

Origins Laboratory, Inc.



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 Wheat Ridge CO 80033

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 B3K1109 - Saturated Paste pH/EC

Duplicate (B3K1109-DUP1)		Source: Y311245-01		Prepared: 11/11/2023 Analyzed: 11/12/2023	
pH	8.07		pH Units	8.05	0.248 25

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.

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.

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.



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

August 17, 2023

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, UPRC 9-12JS **Project Number - [none]**

Attached are your analytical results for KMG - REI H 9-32D, REI H 9-33D, UPRC 9-12JS received by Origins Laboratory, Inc. August 10, 2023. This project is associated with Origins project number Y308266-01.

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



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, UPRC
 9-12JS

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FL-B06@7'	Y308266-01	Soil	August 10, 2023 12:32	08/10/2023 16:13
FL-N01@4'	Y308266-02	Soil	August 10, 2023 12:34	08/10/2023 16:13
FL-S01@4'	Y308266-03	Soil	August 10, 2023 12:36	08/10/2023 16:13
FL-E01@4'	Y308266-04	Soil	August 10, 2023 12:38	08/10/2023 16:13
FL-W01@4'	Y308266-05	Soil	August 10, 2023 12:40	08/10/2023 16:13
FL-B07@7'	Y308266-06	Soil	August 10, 2023 12:44	08/10/2023 16:13
FL-N02@4'	Y308266-07	Soil	August 10, 2023 12:46	08/10/2023 16:13
FL-S02@4'	Y308266-08	Soil	August 10, 2023 12:48	08/10/2023 16:13
FL-E02@4'	Y308266-09	Soil	August 10, 2023 12:50	08/10/2023 16:13
FL-W02@4'	Y308266-10	Soil	August 10, 2023 12:52	08/10/2023 16:13
FL-BG01@5'	Y308266-11	Soil	August 10, 2023 12:54	08/10/2023 16:13
FL-BG01@7'	Y308266-12	Soil	August 10, 2023 12:56	08/10/2023 16:13
FL-BG02@5'	Y308266-13	Soil	August 10, 2023 12:58	08/10/2023 16:13
FL-BG02@7'	Y308266-14	Soil	August 10, 2023 13:00	08/10/2023 16:13

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.

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, UPRC
9-12JS

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FL-BG03@5'	Y308266-15	Soil	August 10, 2023 13:02	08/10/2023 16:13
FL-BG03@7'	Y308266-16	Soil	August 10, 2023 13:04	08/10/2023 16:13

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, UPRC
 9-12JS

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



4308266
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page 1 of 2

Client: Eagle Environmental (oxy)
 Address: 8000 W 44th Ave
Wheat Ridge, CO 80033
 Telephone Number: 303-433-0419
 Email Address: dcoloccia@eagle-enviro.com
 Project Manager: D. Coloccia
 Project Name: REI H 9-32D, REI H 9-33D, UPRC 4-12JS
 Project Number: -
 Samples Collected By: CS

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix				Analysis	Sample Instructions			
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa Canister #	Other					
FL-B06071	8/10/23	1232										X	X	X		
FL-W01041		1234										X	X	X		
FL-S01041		1236										X	X	X		
FL-E01041		1238										X	X	X		
FL-W01041		1240										X	X	X		
FL-B01071		1244										X	X	X		
FL-N02041		1246										X	X	X		
FL-S02041		1248										X	X	X		
FL-E02041		1250										X	X	X		
FL-W02041		1252										X	X	X		
Refrinquished By: <u>Chris Rodin</u>	Date: <u>8/10/23</u>	Time: <u>11:15</u>	Received By: <u>[Signature]</u>	Date: <u>8/10/23</u>	Time: <u>11:15</u>	Turnaround Time: <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
 Date Results Needed

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, UPRC 9-12JS

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LABORATORY, INC

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Impacted **4308266** page 2 of 2


Client: Eagle Environmental (ex)
 Address: 8000 W 44th Ave
Wheat Ridge, CO 80033
 Telephone Number: 303-433-0419
 Email Address: dcoloccia@eagle-enviro.com

Project Manager: D. Coloccia
 Project Name: REI H 9-32D, REI H 9-33D, UPRC 9-12JS
 Project Number:
 Samples Collected By: CS

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative			Matrix		Analysis						Sample Instructions										
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa Canister #	Other	pH	As	Se		Co	Cr	Fe	Mn	Ni	Pb	Cu	Zn		
FL-0601071	8/10/13	1254	2	X					X					X	X	X	X	X	X	X	X	X	X	X	
FL-0602021		1258																							
FL-0602021		1300																							
FL-0603031		1302																							
FL-0603031		1304																							

Relinquished By: Chris Beck Date: 8/10/13 Time: 1105
 Received By: [Signature] Date: 8/10/13 Time: 1105
 Turnaround Time: Same Day 24 Hr 48 Hr 72 Hr Standard

Temp Received: 3 Date Results Needed

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.

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, UPRC 9-12JS

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4308266

Client: Eagle

Client Project ID: REI H 9-32D, REI 9-33D,

Checklist Completed by: EHS

Shipped Via: HL UPRC 9-12JS
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 8/10/13

Airbill #: N/A

Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____ (Describe)

Cooler Number/Temperature: 1 / 3 °C 1 °C 1 °C 1 °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 ⁽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 analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		/		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	/			
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 (> ¼ 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 subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +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.

[Signature]
 Reviewed by (Project Manager)

8/10/13
 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 - REI H 9-32D, REI H 9-33D, UPRC
 9-12JS

FL-B06@7'

8/10/2023 12:32:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y308266-01 (Soil)

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L698579	08/15/2023	08/15/2023	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	0.00115	0.000304	0.00067	"	"	"	"	"	
Anthracene	0.00464	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	0.0111	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	0.0101	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	0.0089	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	0.00364	0.000437	0.00067	"	"	"	"	"	
Chrysene	0.0132	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	0.00203	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	0.0287	0.000394	0.00067	"	"	"	"	"	
Fluorene	0.00154	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	0.00462	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"	
Pyrene	0.0226	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	61.4 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	61.7 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	51.1 %		29-110			"	"	"	

pH in Soil by 9045D

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.

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, UPRC
 9-12JS

FL-B06@7'

8/10/2023 12:32:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y308266-01 (Soil)

pH in Soil by 9045D

pH	8.23			pH Units	1	B3H1208	08/12/2023	08/13/2023	
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Total Metals by 6020B

Arsenic	3.78	0.0855	0.25	mg/Kg	5	L698721	08/15/2023	08/16/2023	
Barium	186	0.042	0.25	"	"	"	"	"	
Cadmium	0.131	0.026	0.25	"	"	"	"	"	J
Selenium	0.396	0.103	0.25	"	"	"	"	"	

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.

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, UPRC
 9-12JS

FL-N01@4'

8/10/2023 12:34:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y308266-02 (Soil)

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L698579	08/15/2023	08/15/2023	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"	
Fluorene	ND	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	57.1 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	61.4 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	49.8 %	29-110	"	"	"

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, UPRC
 9-12JS

FL-N01@4'

8/10/2023 12:34:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y308266-02 (Soil)

pH in Soil by 9045D

pH	8.15			pH Units	1	B3H1208	08/12/2023	08/13/2023	
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Total Metals by 6020B

Arsenic	1.91	0.0855	0.25	mg/Kg	5	L698721	08/15/2023	08/16/2023	
Barium	76.1	0.042	0.25	"	"	"	"	"	
Cadmium	0.105	0.026	0.25	"	"	"	"	"	J
Selenium	0.487	0.103	0.25	"	"	"	"	"	

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, UPRC
 9-12JS

FL-S01@4'

8/10/2023 12:36:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y308266-03 (Soil)

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L698579	08/15/2023	08/15/2023	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"	
Fluorene	ND	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	56.3 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	57.5 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	47.1 %	29-110	"	"	"

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, UPRC
 9-12JS

FL-S01@4'

8/10/2023 12:36:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y308266-03 (Soil)

pH in Soil by 9045D

pH	8.15			pH Units	1	B3H1208	08/12/2023	08/13/2023	
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Total Metals by 6020B

Arsenic	2.27	0.0855	0.25	mg/Kg	5	L698721	08/15/2023	08/16/2023	
Barium	80.7	0.042	0.25	"	"	"	"	"	
Cadmium	0.0871	0.026	0.25	"	"	"	"	"	J
Selenium	0.507	0.103	0.25	"	"	"	"	"	

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, UPRC
 9-12JS

FL-E01@4'

8/10/2023 12:38:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y308266-04 (Soil)

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L698579	08/15/2023	08/15/2023	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	0.000464	0.000394	0.00067	"	"	"	"	"	J
Fluorene	ND	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	57.7 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	61.6 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	48.6 %	29-110	"	"	"

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, UPRC
 9-12JS

FL-E01@4'

8/10/2023 12:38:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y308266-04 (Soil)

pH in Soil by 9045D

pH	8.13			pH Units	1	B3H1208	08/12/2023	08/13/2023	
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Total Metals by 6020B

Arsenic	4.46	0.0855	0.25	mg/Kg	5	L698721	08/15/2023	08/16/2023	
Barium	114	0.042	0.25	"	"	"	"	"	
Cadmium	0.132	0.026	0.25	"	"	"	"	"	J
Selenium	0.622	0.103	0.25	"	"	"	"	"	

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, UPRC
 9-12JS

FL-W01@4'

8/10/2023 12:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y308266-05 (Soil)

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L698579	08/15/2023	08/15/2023	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"	
Fluorene	ND	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	54.7 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	55.6 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	45.3 %	29-110	"	"	"

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.

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, UPRC
 9-12JS

FL-W01@4'

8/10/2023 12:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y308266-05 (Soil)

pH in Soil by 9045D

pH	7.84			pH Units	1	B3H1208	08/12/2023	08/13/2023	
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Total Metals by 6020B

Arsenic	1.14	0.0855	0.25	mg/Kg	5	L698721	08/15/2023	08/16/2023	
Barium	92.7	0.042	0.25	"	"	"	"	"	
Cadmium	0.0639	0.026	0.25	"	"	"	"	"	J
Selenium	0.588	0.103	0.25	"	"	"	"	"	

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.

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, UPRC
 9-12JS

FL-B07@7'

8/10/2023 12:44:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y308266-06 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B3H1020	08/10/2023	08/10/2023	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl 102 % 50-150 " " "

GBTEX+TMBs by 8260D

Gasoline Range Hydrocarbons	ND		0.200	mg/kg	1	B3H1024	08/10/2023	08/11/2023	U
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Surrogate: 1,2-Dichloroethane-d4 101 % 70-130 " " "
 Surrogate: Toluene-d8 98.5 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 94.4 % 70-130 " " "

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L698579	08/15/2023	08/15/2023	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	0.000503	0.000468	0.00067	"	"	"	"	"	J

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.

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, UPRC
 9-12JS

FL-B07@7'

8/10/2023 12:44:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y308266-06 (Soil)

PAH by 8270D SIM

Benzo(b)fluoranthene	ND	0.000585	0.00067	mg/Kg	1	L698579	08/15/2023	08/15/2023	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	0.00142	0.000394	0.00067	"	"	"	"	"	
Fluorene	ND	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"	
Pyrene	0.00106	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	61.3 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	64 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	50.8 %		29-110			"	"	"	

Total Metals by 6020B

Arsenic	3.28	0.0855	0.25	mg/Kg	5	L698721	"	08/16/2023	
Barium	175	0.042	0.25	"	"	"	"	"	
Cadmium	0.118	0.026	0.25	"	"	"	"	"	J
Nickel	12.5	0.0635	0.25	"	"	"	"	"	

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.

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, UPRC
 9-12JS

FL-N02@4'

8/10/2023 12:46:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y308266-07 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B3H1020	08/10/2023	08/10/2023	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl 90.0 % 50-150 " " "

GBTEX+TMBs by 8260D

Gasoline Range Hydrocarbons	ND		0.200	mg/kg	1	B3H1024	08/10/2023	08/11/2023	U
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Surrogate: 1,2-Dichloroethane-d4 98.2 % 70-130 " " "

Surrogate: Toluene-d8 103 % 70-130 " " "

Surrogate: 4-Bromofluorobenzene 100 % 70-130 " " "

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L698579	08/15/2023	08/15/2023	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	

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.

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, UPRC
 9-12JS

FL-N02@4'

8/10/2023 12:46:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y308266-07 (Soil)

PAH by 8270D SIM

Benzo(b)fluoranthene	ND	0.000585	0.00067	mg/Kg	1	L698579	08/15/2023	08/15/2023	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"	
Fluorene	ND	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	61.4 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	60.5 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	50.9 %		29-110			"	"	"	

Total Metals by 6020B

Arsenic	2.35	0.0855	0.25	mg/Kg	5	L698721	"	08/16/2023	
Barium	113	0.042	0.25	"	"	"	"	"	
Cadmium	0.124	0.026	0.25	"	"	"	"	"	J
Nickel	9.44	0.0635	0.25	"	"	"	"	"	

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, UPRC
 9-12JS

FL-S02@4'

8/10/2023 12:48:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y308266-08 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B3H1020	08/10/2023	08/11/2023	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl 143 % 50-150 " " "

GBTEX+TMBs by 8260D

Gasoline Range Hydrocarbons	ND		0.200	mg/kg	1	B3H1024	08/10/2023	08/11/2023	U
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Surrogate: 1,2-Dichloroethane-d4 101 % 70-130 " " "
 Surrogate: Toluene-d8 99.1 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 95.6 % 70-130 " " "

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L698579	08/15/2023	08/15/2023	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	

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.

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, UPRC
 9-12JS

FL-S02@4'

8/10/2023 12:48:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y308266-08 (Soil)

PAH by 8270D SIM

Benzo(b)fluoranthene	ND	0.000585	0.00067	mg/Kg	1	L698579	08/15/2023	08/15/2023	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"	
Fluorene	ND	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	49.5 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	52 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	41.4 %		29-110			"	"	"	

Total Metals by 6020B

Arsenic	4.02	0.0855	0.25	mg/Kg	5	L698721	"	08/16/2023	
Barium	115	0.042	0.25	"	"	"	"	"	
Cadmium	0.12	0.026	0.25	"	"	"	"	"	J
Nickel	9.76	0.0635	0.25	"	"	"	"	"	

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.

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, UPRC
 9-12JS

FL-E02@4'

8/10/2023 12:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y308266-09 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B3H1020	08/10/2023	08/11/2023	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl 64.8 % 50-150 " " "

GBTEX+TMBs by 8260D

Gasoline Range Hydrocarbons	ND		0.200	mg/kg	1	B3H1024	08/10/2023	08/11/2023	U
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Surrogate: 1,2-Dichloroethane-d4 81.9 % 70-130 " " "
 Surrogate: Toluene-d8 95.5 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 95.3 % 70-130 " " "

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L698579	08/15/2023	08/15/2023	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	

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, UPRC
 9-12JS

FL-E02@4'

8/10/2023 12:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y308266-09 (Soil)

PAH by 8270D SIM

Benzo(b)fluoranthene	ND	0.000585	0.00067	mg/Kg	1	L698579	08/15/2023	08/15/2023	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"	
Fluorene	ND	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	56.5 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	61 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	47.4 %		29-110			"	"	"	

Total Metals by 6020B

Arsenic	2.61	0.0855	0.25	mg/Kg	5	L698721	"	08/16/2023	
Barium	128	0.042	0.25	"	"	"	"	"	
Cadmium	0.129	0.026	0.25	"	"	"	"	"	J
Nickel	10.8	0.0635	0.25	"	"	"	"	"	

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.

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, UPRC
 9-12JS

FL-W02@4'

8/10/2023 12:52:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y308266-10 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B3H1020	08/10/2023	08/11/2023	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl 105 % 50-150 " " "

GBTEX+TMBs by 8260D

Gasoline Range Hydrocarbons	ND		0.200	mg/kg	1	B3H1024	08/10/2023	08/11/2023	U
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Surrogate: 1,2-Dichloroethane-d4 83.0 % 70-130 " " "
 Surrogate: Toluene-d8 94.4 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 95.8 % 70-130 " " "

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L698579	08/15/2023	08/15/2023	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	

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.

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, UPRC
 9-12JS

FL-W02@4'

8/10/2023 12:52:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y308266-10 (Soil)

PAH by 8270D SIM

Benzo(b)fluoranthene	ND	0.000585	0.00067	mg/Kg	1	L698579	08/15/2023	08/15/2023	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"	
Fluorene	ND	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	64.6 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	65.8 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	53.8 %		29-110			"	"	"	

Total Metals by 6020B

Arsenic	2.31	0.0855	0.25	mg/Kg	5	L698721	"	08/16/2023	
Barium	81.3	0.042	0.25	"	"	"	"	"	
Cadmium	0.0835	0.026	0.25	"	"	"	"	"	J
Nickel	6.74	0.0635	0.25	"	"	"	"	"	

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.

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, UPRC
 9-12JS

FL-BG01@5'

8/10/2023 12:54:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y308266-11 (Soil)

pH in Soil by 9045D

pH	8.20			pH Units	1	B3H1208	08/12/2023	08/13/2023	
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Total Metals by 6020B

Arsenic	2.7	0.0855	0.25	mg/Kg	5	L698721	08/15/2023	08/16/2023	
Barium	113	0.042	0.25	"	"	"	"	"	
Cadmium	0.167	0.026	0.25	"	"	"	"	"	J
Copper	6.89	0.0805	0.25	"	"	"	"	"	
Lead	5610	31	250	"	"	"	"	"	
Nickel	9.83	0.0635	0.25	"	"	"	"	"	
Selenium	0.411	0.103	0.25	"	"	"	"	"	

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, UPRC
 9-12JS

FL-BG01@7'

8/10/2023 12:56:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y308266-12 (Soil)

pH in Soil by 9045D

pH	8.33			pH Units	1	B3H1208	08/12/2023	08/13/2023	
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Total Metals by 6020B

Arsenic	2.49	0.0855	0.25	mg/Kg	5	L698721	08/15/2023	08/16/2023	
Barium	114	0.042	0.25	"	"	"	"	"	
Cadmium	0.144	0.026	0.25	"	"	"	"	"	J
Copper	8.05	0.0805	0.25	"	"	"	"	"	
Lead	6.29	0.031	0.25	"	"	"	"	"	
Nickel	9.83	0.0635	0.25	"	"	"	"	"	
Selenium	0.435	0.103	0.25	"	"	"	"	"	

Origins Laboratory, Inc.



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 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - REI H 9-32D, REI H 9-33D, UPRC
 9-12JS

FL-BG02@5'

8/10/2023 12:58:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y308266-13 (Soil)

pH in Soil by 9045D

pH	8.21			pH Units	1	B3H1208	08/12/2023	08/13/2023	
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Total Metals by 6020B

Arsenic	2.98	0.0855	0.25	mg/Kg	5	L698721	08/15/2023	08/16/2023	
Barium	110	0.042	0.25	"	"	"	"	"	
Cadmium	0.134	0.026	0.25	"	"	"	"	"	J
Copper	8.2	0.0805	0.25	"	"	"	"	"	
Lead	6.46	0.031	0.25	"	"	"	"	"	
Nickel	10.3	0.0635	0.25	"	"	"	"	"	
Selenium	0.464	0.103	0.25	"	"	"	"	"	

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Dan Coloccia
 Project Number: [none]
 Project: KMG - REI H 9-32D, REI H 9-33D, UPRC
 9-12JS

FL-BG02@7'

8/10/2023 1:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y308266-14 (Soil)

pH in Soil by 9045D

pH	8.12			pH Units	1	B3H1208	08/12/2023	08/13/2023	
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Total Metals by 6020B

Arsenic	3.91	0.0855	0.25	mg/Kg	5	L698721	08/15/2023	08/16/2023	
Barium	104	0.042	0.25	"	"	"	"	"	
Cadmium	0.172	0.026	0.25	"	"	"	"	"	J
Copper	11.2	0.0805	0.25	"	"	"	"	"	
Lead	9.01	0.031	0.25	"	"	"	"	"	
Nickel	12.1	0.0635	0.25	"	"	"	"	"	
Selenium	0.687	0.103	0.25	"	"	"	"	"	

Origins Laboratory, Inc.



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 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - REI H 9-32D, REI H 9-33D, UPRC
 9-12JS

FL-BG03@5'

8/10/2023 1:02:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y308266-15 (Soil)

pH in Soil by 9045D

pH	8.09			pH Units	1	B3H1208	08/12/2023	08/13/2023	
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Total Metals by 6020B

Arsenic	2.55	0.0855	0.25	mg/Kg	5	L698721	08/15/2023	08/16/2023	
Barium	87.6	0.042	0.25	"	"	"	"	"	
Cadmium	0.106	0.026	0.25	"	"	"	"	"	J
Copper	6.3	0.0805	0.25	"	"	"	"	"	
Lead	5.38	0.031	0.25	"	"	"	"	"	
Nickel	8.18	0.0635	0.25	"	"	"	"	"	
Selenium	0.405	0.103	0.25	"	"	"	"	"	

Origins Laboratory, Inc.



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Dan Coloccia
 Project Number: [none]
 Project: KMG - REI H 9-32D, REI H 9-33D, UPRC
 9-12JS

FL-BG03@7'

8/10/2023 1:04:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y308266-16 (Soil)

pH in Soil by 9045D

pH	8.23			pH Units	1	B3H1208	08/12/2023	08/13/2023	
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Total Metals by 6020B

Arsenic	3.47	0.0855	0.25	mg/Kg	5	L698721	08/15/2023	08/16/2023	
Barium	101	0.042	0.25	"	"	"	"	"	
Cadmium	0.139	0.026	0.25	"	"	"	"	"	J
Copper	11	0.0805	0.25	"	"	"	"	"	
Lead	8.2	0.031	0.25	"	"	"	"	"	
Nickel	13.8	0.0635	0.25	"	"	"	"	"	
Selenium	0.657	0.103	0.25	"	"	"	"	"	

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Dan Coloccia
 Project Number: [none]
 Project: KMG - REI H 9-32D, REI H 9-33D, UPRC
 9-12JS

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3H1020 - EPA 3550B										
Blank (B3H1020-BLK1)										
					Prepared: 08/10/2023 Analyzed: 08/10/2023					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	25		"	24.9		101	50-150			

Origins Laboratory, Inc.



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Dan Coloccia
 Project Number: [none]
 Project: KMG - REI H 9-32D, REI H 9-33D, UPRC
 9-12JS

Extractable Petroleum Hydrocarbons by 8015D - 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 B3H1020 - EPA 3550B

LCS (B3H1020-BS1)

Prepared: 08/10/2023 Analyzed: 08/10/2023

Diesel (C10-C28)	969	50.0	mg/kg	1000		96.9	70-130			
Residual Range Organics (C28-C40)	1030	200	"	1000		103	70-130			
Surrogate: o-Terphenyl	63		"	49.8		126	50-150			

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Dan Coloccia
 Project Number: [none]
 Project: KMG - REI H 9-32D, REI H 9-33D, UPRC
 9-12JS

Extractable Petroleum Hydrocarbons by 8015D - 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 B3H1020 - EPA 3550B

Matrix Spike (B3H1020-MS1)	Source: Y308256-01			Prepared: 08/10/2023 Analyzed: 08/10/2023						
Diesel (C10-C28)	983	50.0	mg/kg	1000	ND	98.3	70-130			
Residual Range Organics (C28-C40)	1050	200	"	1000	ND	105	70-130			
Surrogate: o-Terphenyl	58		"	49.8		116	50-150			

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Dan Coloccia
 Project Number: [none]
 Project: KMG - REI H 9-32D, REI H 9-33D, UPRC
 9-12JS

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3H1020 - EPA 3550B										
Matrix Spike Dup (B3H1020-MSD1)					Source: Y308256-01					Prepared: 08/10/2023 Analyzed: 08/10/2023
Diesel (C10-C28)	866	50.0	mg/kg	1000	ND	86.6	70-130	12.7	35	
Residual Range Organics (C28-C40)	922	200	"	1000	ND	92.2	70-130	12.6	35	
Surrogate: o-Terphenyl	43		"	49.8		85.5	50-150			

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Dan Coloccia
 Project Number: [none]
 Project: KMG - REI H 9-32D, REI H 9-33D, UPRC
 9-12JS

Extractable Petroleum Hydrocarbons by 8015D - 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 B3H1024 - EPA 5030 (soil)

Blank (B3H1024-BLK1)

Prepared: 08/10/2023 Analyzed: 08/10/2023

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		97.3	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		96.2	70-130			

Origins Laboratory, Inc.



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Dan Coloccia
 Project Number: [none]
 Project: KMG - REI H 9-32D, REI H 9-33D, UPRC
 9-12JS

Volatile Organic Compounds by GC/MS SW846 8260D - 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 B3H1024 - EPA 5030 (soil)

LCS (B3H1024-BS1)

Prepared: 08/10/2023 Analyzed: 08/10/2023

1,2,4-Trimethylbenzene	0.101	0.00200	mg/kg	0.100		101	70-130			
1,3,5-Trimethylbenzene	0.103	0.00200	"	0.100		103	70-130			
Benzene	0.0908	0.00200	"	0.100		90.8	70-130			
Ethylbenzene	0.106	0.00200	"	0.100		106	70-130			
Naphthalene	0.0972	0.00380	"	0.100		97.2	70-130			
Toluene	0.0929	0.00200	"	0.100		92.9	70-130			
o-Xylene	0.113	0.00200	"	0.100		113	70-130			
m,p-Xylene	0.223	0.00400	"	0.200		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		96.5	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		103	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		107	70-130			

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, UPRC
 9-12JS

Volatile Organic Compounds by GC/MS SW846 8260D - 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 B3H1024 - EPA 5030 (soil)

Matrix Spike (B3H1024-MS1)	Source: Y308256-01			Prepared: 08/10/2023 Analyzed: 08/10/2023						
1,2,4-Trimethylbenzene	0.0927	0.00200	mg/kg	0.100	ND	92.7	70-130			
1,3,5-Trimethylbenzene	0.0949	0.00200	"	0.100	ND	94.9	70-130			
Benzene	0.0664	0.00200	"	0.100	ND	66.4	70-130			QM-07
Ethylbenzene	0.0970	0.00200	"	0.100	ND	97.0	70-130			
Naphthalene	0.0930	0.00380	"	0.100	0.00202	91.0	70-130			
Toluene	0.0794	0.00200	"	0.100	ND	79.4	70-130			
o-Xylene	0.104	0.00200	"	0.100	ND	104	70-130			
m,p-Xylene	0.203	0.00400	"	0.200	ND	102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		98.0	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		103	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		108	70-130			

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 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - REI H 9-32D, REI H 9-33D, UPRC
 9-12JS

Volatile Organic Compounds by GC/MS SW846 8260D - 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 B3H1024 - EPA 5030 (soil)

Matrix Spike Dup (B3H1024-MSD1)	Source: Y308256-01		Prepared: 08/10/2023 Analyzed: 08/10/2023							
1,2,4-Trimethylbenzene	0.0944	0.00200	mg/kg	0.100	ND	94.4	70-130	1.84	20	
1,3,5-Trimethylbenzene	0.0931	0.00200	"	0.100	ND	93.1	70-130	1.91	20	
Benzene	0.0676	0.00200	"	0.100	ND	67.6	70-130	1.79	20	QM-07
Ethylbenzene	0.0944	0.00200	"	0.100	ND	94.4	70-130	2.70	20	
Naphthalene	0.0978	0.00380	"	0.100	0.00202	95.8	70-130	5.01	20	
Toluene	0.0791	0.00200	"	0.100	ND	79.1	70-130	0.429	20	
o-Xylene	0.104	0.00200	"	0.100	ND	104	70-130	0.519	20	
m,p-Xylene	0.197	0.00400	"	0.200	ND	98.6	70-130	2.87	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		99.4	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		100	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		105	70-130			

Origins Laboratory, Inc.



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 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - REI H 9-32D, REI H 9-33D, UPRC
 9-12JS

Volatile Organic Compounds by GC/MS SW846 8260D - 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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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 B3H1208 - Saturated Paste pH/EC

Duplicate (B3H1208-DUP1)

Source: Y308266-01

Prepared: 08/12/2023 Analyzed: 08/13/2023

pH	8.21		pH Units		8.23			0.243	25	
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 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - REI H 9-32D, REI H 9-33D, UPRC
 9-12JS

PAH by 8270D SIM - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L698579 - 3550B

MSD (L 93864-MSD-L698579)	Source: Y308266-04		Prepared: 08/15/2023 Analyzed: 08/15/2023							
Dibenz(a,h)anthracene	0.133	0.00067	mg/Kg	0.167	<0.000614	79.6	30-130	0	30	
Fluoranthene	0.106	0.00067	"	0.167	0.000464	63.1	30-130	1.9	30	
Fluorene	0.11	0.00067	"	0.167	<0.000286	65.8	30-130	2.7	30	
Indeno(1,2,3-cd)pyrene	0.109	0.00067	"	0.167	<0.000627	65.2	30-130	1.8	30	
Pyrene	0.103	0.00067	"	0.167	<0.000643	61.6	30-130	0.9	30	
Chrysene	0.109	0.00067	"	0.167	<0.000624	65.2	30-130	3.7	30	
Naphthalene	0.0948	0.00201	"	0.167	<0.00145	56.7	30-130	4.3	30	
Benzo(k)fluoranthene	0.1	0.00067	"	0.167	<0.000437	59.8	30-130	1.3	30	
Benzo(b)fluoranthene	0.0955	0.00067	"	0.167	<0.000585	57.1	30-130	5.3	30	
Benzo(a)pyrene	0.118	0.00067	"	0.167	<0.000468	70.6	30-130	3.4	30	
Benzo(a)anthracene	0.109	0.00067	"	0.167	<0.000493	65.2	30-130	2.7	30	
Anthracene	0.113	0.00067	"	0.167	<0.000334	67.6	30-130	2.6	30	
Acenaphthene	0.0983	0.00067	"	0.167	<0.000304	58.8	30-130	1.8	30	
2-Methylnaphthalene	0.1	0.00201	"	0.167	<0.00194	59.8	30-130	2.7	30	
1-Methylnaphthalene	0.0981	0.00201	"	0.167	<0.00109	58.7	30-130	2.8	30	
<i>Surrogate: Nitrobenzene-d5</i>	<i>50.1</i>		<i>"</i>	<i>0.333</i>	<i>161</i>	<i>50.1</i>	<i>29-110</i>			
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>58.5</i>		<i>"</i>	<i>0.333</i>	<i>191</i>	<i>58.5</i>	<i>33-115</i>			
<i>Surrogate: 4-Terphenyl-d14</i>	<i>61.8</i>		<i>"</i>	<i>0.333</i>	<i>204</i>	<i>61.8</i>	<i>33-122</i>			

MS (L 93864-MS-L698579)	Source: Y308266-04		Prepared: 08/15/2023 Analyzed: 08/15/2023							
Acenaphthene	0.0965	0.00067	mg/Kg	0.164	<0.000304	58.8	30-130			
1-Methylnaphthalene	0.0953	0.00201	"	0.164	<0.00109	58.1	30-130			
Fluoranthene	0.104	0.00067	"	0.164	0.000464	63.1	30-130			
Naphthalene	0.0908	0.00201	"	0.164	<0.00145	55.3	30-130			
2-Methylnaphthalene	0.0973	0.00201	"	0.164	<0.00194	59.3	30-130			
Fluorene	0.107	0.00067	"	0.164	<0.000286	65.2	30-130			
Pyrene	0.102	0.00067	"	0.164	<0.000643	62.1	30-130			

Origins Laboratory, Inc.



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 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - REI H 9-32D, REI H 9-33D, UPRC
 9-12JS

PAH by 8270D SIM - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L698579 - 3550B

MS (L 93864-MS-L698579)	Source: Y308266-04	Prepared: 08/15/2023 Analyzed: 08/15/2023
Dibenz(a,h)anthracene	0.133	0.00067 mg/Kg 0.164 <0.000614 81 30-130
Chrysene	0.105	0.00067 " 0.164 <0.000624 64 30-130
Benzo(k)fluoranthene	0.0987	0.00067 " 0.164 <0.000437 60.1 30-130
Benzo(b)fluoranthene	0.0905	0.00067 " 0.164 <0.000585 55.1 30-130
Benzo(a)pyrene	0.114	0.00067 " 0.164 <0.000468 69.5 30-130
Benzo(a)anthracene	0.106	0.00067 " 0.164 <0.000493 64.6 30-130
Anthracene	0.11	0.00067 " 0.164 <0.000334 67 30-130
Indeno(1,2,3-cd)pyrene	0.107	0.00067 " 0.164 <0.000627 65.2 30-130
Surrogate: 2-Fluorobiphenyl	54.4	" 0.329 191 54.4 33-115
Surrogate: 4-Terphenyl-d14	60.7	" 0.329 204 60.7 33-122
Surrogate: Nitrobenzene-d5	46.2	" 0.329 161 46.2 29-110

LCS (LCS-L698579)	Prepared: 08/15/2023 Analyzed: 08/15/2023
Acenaphthene	0.0801 0.00067 mg/Kg 0.167 47.9 30-130
Anthracene	0.0885 0.00067 " 0.167 52.9 30-130
Benzo(a)anthracene	0.0831 0.00067 " 0.167 49.7 30-130
Benzo(a)pyrene	0.093 0.00067 " 0.167 55.6 30-130
Benzo(b)fluoranthene	0.0712 0.00067 " 0.167 42.6 30-130
Chrysene	0.088 0.00067 " 0.167 52.6 30-130
Fluoranthene	0.0829 0.00067 " 0.167 49.6 30-130
Fluorene	0.0875 0.00067 " 0.167 52.3 30-130
Indeno(1,2,3-cd)pyrene	0.0826 0.00067 " 0.167 49.4 30-130
2-Methylnaphthalene	0.0797 0.00201 " 0.167 47.7 30-130
Benzo(k)fluoranthene	0.0899 0.00067 " 0.167 53.8 30-130
Pyrene	0.0819 0.00067 " 0.167 49 30-130
Naphthalene	0.075 0.00201 " 0.167 44.9 30-130
1-Methylnaphthalene	0.079 0.00201 " 0.167 47.3 30-130

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, UPRC
 9-12JS

PAH by 8270D SIM - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L698579 - 3550B

LCS (LCS-L698579)

Prepared: 08/15/2023 Analyzed: 08/15/2023

Dibenz(a,h)anthracene	0.105	0.00067	mg/Kg	0.167		62.8	30-130			
Surrogate: 4-Terphenyl-d14	50.7		"	0.333		50.7	33-122			
Surrogate: Nitrobenzene-d5	40.8		"	0.333		40.8	29-110			
Surrogate: 2-Fluorobiphenyl	49.5		"	0.333		49.5	33-115			

LRB (LRB-L698579)

Prepared: 08/15/2023 Analyzed: 08/15/2023

Chrysene	ND	0.00067	mg/Kg				-			
2-Methylnaphthalene	ND	0.00201	"				-			
Acenaphthene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00201	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Naphthalene	ND	0.00201	"				-			
Pyrene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Surrogate: 2-Fluorobiphenyl	48.6		"	0.333		48.6	33-115			
Surrogate: 4-Terphenyl-d14	49.5		"	0.333		49.5	33-122			
Surrogate: Nitrobenzene-d5	40.8		"	0.333		40.8	29-110			

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, UPRC
 9-12JS

Total Metals by 6020B - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L698721 - 3050B

MSD (L 93939-MSD-L698721)		Source: 93939			Prepared: 08/15/2023 Analyzed: 08/16/2023					
Selenium	4.42	0.25	mg/Kg	4.71	0.681	79	75-125	4.6	80	
Arsenic	4.24	0.25	"	2.35	3.39	36	75-125	4.6	80	*
Barium	108	0.25	"	4.71	153	0	75-125	0.9	80	I*
Cadmium	0.51	0.25	"	0.471	0.171	72	75-125	1.3	80	*
Copper	7.28	0.25	"	2.35	7.83	0	75-125	4.8	80	I*
Lead	7.25	0.25	"	2.35	7.37	0	75-125	0.5	80	I*
Nickel	9.01	0.25	"	2.35	10.6	0	75-125	7.3	80	I*
MS (L 93939-MS-L698721)		Source: 93939			Prepared: 08/15/2023 Analyzed: 08/16/2023					
Selenium	4.63	0.25	mg/Kg	4.82	0.681	82	75-125			
Nickel	9.7	0.25	"	2.41	10.6	0	75-125			I*
Lead	7.21	0.25	"	2.41	7.37	0	75-125			I*
Copper	7.64	0.25	"	2.41	7.83	0	75-125			I*
Cadmium	0.517	0.25	"	0.482	0.171	72	75-125			*
Arsenic	4.44	0.25	"	2.41	3.39	44	75-125			*
Barium	107	0.25	"	4.82	153	0	75-125			I*
LCS (LCS-L698721)		Prepared: 08/15/2023 Analyzed: 08/16/2023								
Lead	2.4	0.25	mg/Kg	2.5		96	80-120			
Selenium	4.64	0.25	"	5		93	80-120			
Arsenic	2.39	0.25	"	2.5		96	80-120			
Barium	4.41	0.25	"	5		88	80-120			
Cadmium	0.494	0.25	"	0.5		99	80-120			
Copper	2.56	0.25	"	2.5		102	80-120			
Nickel	2.49	0.25	"	2.5		100	80-120			
LRB (LRB-L698721)		Prepared: 08/15/2023 Analyzed: 08/16/2023								

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, UPRC
 9-12JS

Total Metals by 6020B - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L698721 - 3050B

LRB (LRB-L698721)

Prepared: 08/15/2023 Analyzed: 08/16/2023

Selenium	ND	0.25	mg/Kg				-			
Arsenic	ND	0.25	"				-			
Barium	ND	0.25	"				-			
Cadmium	ND	0.25	"				-			
Copper	ND	0.25	"				-			
Lead	ND	0.25	"				-			
Nickel	ND	0.25	"				-			

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, UPRC
9-12JS

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.

J Estimated Value. Analyte below reported quantitation limit.

I* [Undefined]

* QC Failure

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

Calculated results may use J-flag data (instead of reported "ND") as part of calculation to provide a more accurate result.

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



June 19, 2023

Eagle Environmental Consulting, LLC

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - REI H 9-32D

Project Number - [none]

Attached are your analytical results for KMG - REI H 9-32D received by Origins Laboratory, Inc. June 06, 2023. This project is associated with Origins project number Y306134-01.

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



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

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

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-B01@6'	Y306134-01	Soil	June 6, 2023 13:44	06/06/2023 17:50
FL-B01@4'	Y306134-02	Soil	June 6, 2023 13:55	06/06/2023 17:50
WH-BG01@3'	Y306134-03	Soil	June 6, 2023 15:10	06/06/2023 17:50
WH-BG01@6'	Y306134-04	Soil	June 6, 2023 15:12	06/06/2023 17:50
WH-BG02@3'	Y306134-05	Soil	June 6, 2023 15:14	06/06/2023 17:50
WH-BG02@6'	Y306134-06	Soil	June 6, 2023 15:16	06/06/2023 17:50
WH-BG03@3'	Y306134-07	Soil	June 6, 2023 15:18	06/06/2023 17:50
WH-BG03@6'	Y306134-08	Soil	June 6, 2023 15:20	06/06/2023 17:50
WH-BG04@3'	Y306134-09	Soil	June 6, 2023 15:22	06/06/2023 17:50
WH-BG04@6'	Y306134-10	Soil	June 6, 2023 15:24	06/06/2023 17:50

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.

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

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



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301234
 Initial

page 1 of 1

Client: Eagle Environmental (844)
 Address: 8000 W 44th Ave
Wheat Ridge, CO 80033
 Telephone Number: 303-433-0479
 Email Address: dcoloccia@eagle-enviro.com

Project Manager: D. Coloccia
 Project Name: REI H 9-32D
 Project Number: -
 Samples Collected By: CS

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis			Sample Instructions					
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa #	Other	As	TH		EC	SAR	BOD ₅		
WH-060106'	6/6/23	1344	3	X				X											
FL-06104'		1355	3																
WH-060103'		1510	2																
WH-060106'		1512	2																
WH-060203'		1514	2																
WH-060206'		1516	2																
WH-060303'		1518	2																
WH-060306'		1520	2																
WH-060403'		1522	2																
WH-060406'		1524	2																
Relinquished By: <u>[Signature]</u>	Date: <u>6/6/23</u>	Time: <u>750</u>		Received By: <u>[Signature]</u>	Date: <u>6/6/23</u>	Time: <u>750</u>		Turnaround Time: <input type="checkbox"/> 24 Hr <input checked="" type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard											

Handwritten note: All BG samples per Hannah's email on 4/8/24

Temp Received: 2 Date Results Needed

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.

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

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

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: U30613A

Client: Eagle Environmental

Client Project ID: REI H 9-32D

Checklist Completed by: EHS

Shipped Via: Hand Delivered

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 6/6/23

Airbill #: N/A

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

Cooler Number/Temperature: 112 °C / _____ °C / _____ °C (Describe)

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 ⁽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 analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		/		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	/			
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 (> ¼ 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 subcontracted 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.

[Signature]
 Reviewed by (Project Manager)

6/6/23
 Date/Time Reviewed

Origins Laboratory, Inc.

[Signature]

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.

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

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

WH-B01@6'
6/6/2023 1:44:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y306134-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.701		0.0997	mg/L	1	B3F0702	06/07/2023	06/08/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B3F0628	06/06/2023	06/07/2023	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	94.9 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B3F0632	06/06/2023	06/06/2023	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Naphthalene	ND		0.00380	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

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

WH-B01@6'

6/6/2023 1:44:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y306134-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	96.6 %		70-130					06 06 2023	
Surrogate: Toluene-d8	96.3 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	84.2 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	0.534		0.499	meq/L	10	[CALC]	06/07/2023	06/08/2023	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	3.04		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.44			pH Units	1	B3F0709	06/07/2023	06/08/2023	
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SAR by 20B Saturated Paste

SAR	3.73			SAR	1	B3F0705	06/07/2023	06/08/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.432		0.00500	mmhos/cm	1	B3F0709	06/07/2023	06/08/2023	
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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

FL-B01@4'

6/6/2023 1:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y306134-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.199		0.0995	mg/L	1	B3F0702	06/07/2023	06/08/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B3F0628	06/06/2023	06/07/2023	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	93.1 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B3F0632	06/06/2023	06/06/2023	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Naphthalene	ND		0.00380	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

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

FL-B01@4'

6/6/2023 1:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y306134-02 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	95.0 %		70-130					06/06/2023	
Surrogate: Toluene-d8	96.9 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	83.8 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	0.882		0.499	meq/L	10	[CALC]	06/07/2023	06/08/2023	
Magnesium	0.993		0.823	"	"	"	"	"	
Sodium	1.18		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.17			pH Units	1	B3F0709	06/07/2023	06/08/2023	
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SAR by 20B Saturated Paste

SAR	1.21			SAR	1	B3F0705	06/07/2023	06/08/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.352		0.00500	mmhos/cm	1	B3F0709	06/07/2023	06/08/2023	
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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

WH-BG01@3'
6/6/2023 3:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y306134-03 (Soil)

Boron (DTPA Sorbitol)

Boron	0.192		0.100	mg/L	1	B3F0702	06/07/2023	06/08/2023	
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Metals by Saturated Paste by EPA 6010

Calcium	0.839		0.499	meq/L	10	[CALC]	06/07/2023	06/08/2023	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	1.93		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.24			pH Units	1	B3F0709	06/07/2023	06/08/2023	
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SAR by 20B Saturated Paste

SAR	2.62			SAR	1	B3F0705	06/07/2023	06/08/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.304		0.00500	mmhos/cm	1	B3F0709	06/07/2023	06/08/2023	
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Table 915 metals by EPA 6020B

Arsenic	3.41		0.0936	mg/kg	10	B3F0906	06/09/2023	06/09/2023	
Barium	146		9.36	"	"	"	"	"	
Cadmium	0.120		0.0936	"	"	"	"	"	
Copper	ND		9.36	"	"	"	"	"	

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

WH-BG01@3'

6/6/2023 3:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y306134-03 (Soil)

Table 915 metals by EPA 6020B

Lead	ND		9.36	mg/kg	10	B3F0906	06/09/2023	06/09/2023	
Nickel	ND		9.36	"	"	"	"	"	
Selenium	0.124		0.0936	"	"	"	"	"	
Silver	ND		0.0936	"	"	"	"	"	
inc	ND		93.6	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.501	mg/Kg	1	L687707	06/06/2023	06/14/2023	
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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.

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

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

WH-BG01@6'
6/6/2023 3:12:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y306134-04 (Soil)

Boron (DTPA Sorbitol)

Boron	0.138		0.101	mg/L	1	B3F0702	06/07/2023	06/08/2023	
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Metals by Saturated Paste by EPA 6010

Calcium	1.05		0.499	meq/L	10	[CALC]	06/07/2023	06/08/2023	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	2.11		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.43			pH Units	1	B3F0709	06/07/2023	06/08/2023	
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SAR by 20B Saturated Paste

SAR	2.44			SAR	1	B3F0705	06/07/2023	06/08/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.400		0.00500	mmhos/cm	1	B3F0709	06/07/2023	06/08/2023	
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Table 915 metals by EPA 6020B

Arsenic	4.08		0.0902	mg/kg	10	B3F0906	06/09/2023	06/09/2023	
Barium	153		9.02	"	"	"	"	"	
Cadmium	0.164		0.0902	"	"	"	"	"	
Copper	ND		9.02	"	"	"	"	"	

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

WH-BG01@6'

6/6/2023 3:12:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y306134-04 (Soil)

Table 915 metals by EPA 6020B

Lead	ND		9.02	mg/kg	10	B3F0906	06/09/2023	06/09/2023	
Nickel	10.2		9.02	"	"	"	"	"	
Selenium	0.105		0.0902	"	"	"	"	"	
Silver	ND		0.0902	"	"	"	"	"	
inc	ND		90.2	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L687707	06/06/2023	06/14/2023	
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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

WH-BG02@3'
6/6/2023 3:14:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y306134-05 (Soil)

Boron (DTPA Sorbitol)

Boron	0.166		0.0992	mg/L	1	B3F0702	06/07/2023	06/08/2023	
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Metals by Saturated Paste by EPA 6010

Calcium	1.31		0.499	meq/L	10	[CALC]	06/07/2023	06/08/2023	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	2.40		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.61			pH Units	1	B3F0709	06/07/2023	06/08/2023	
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SAR by 20B Saturated Paste

SAR	2.43			SAR	1	B3F0705	06/07/2023	06/08/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.470		0.00500	mmhos/cm	1	B3F0709	06/07/2023	06/08/2023	
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Table 915 metals by EPA 6020B

Arsenic	4.40		0.0920	mg/kg	10	B3F0906	06/09/2023	06/09/2023	
Barium	165		9.20	"	"	"	"	"	
Cadmium	0.163		0.0920	"	"	"	"	"	
Copper	ND		9.20	"	"	"	"	"	

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

WH-BG02@3'

6/6/2023 3:14:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y306134-05 (Soil)

Table 915 metals by EPA 6020B

Lead	ND		9.20	mg/kg	10	B3F0906	06/09/2023	06/09/2023	
Nickel	11.5		9.20	"	"	"	"	"	
Selenium	0.112		0.0920	"	"	"	"	"	
Silver	ND		0.0920	"	"	"	"	"	
inc	ND		92.0	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L687707	06/06/2023	06/14/2023	
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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

WH-BG02@6'

6/6/2023 3:16:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y306134-06 (Soil)

Boron (DTPA Sorbitol)

Boron	0.342		0.101	mg/L	1	B3F0702	06/07/2023	06/08/2023	
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Metals by Saturated Paste by EPA 6010

Calcium	1.58		0.499	meq/L	10	[CALC]	06/07/2023	06/08/2023	
Magnesium	2.00		0.823	"	"	"	"	"	
Sodium	4.70		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.36			pH Units	1	B3F0709	06/07/2023	06/08/2023	
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SAR by 20B Saturated Paste

SAR	3.51			SAR	1	B3F0705	06/07/2023	06/08/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.942		0.00500	mmhos/cm	1	B3F0709	06/07/2023	06/08/2023	
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Table 915 metals by EPA 6020B

Arsenic	3.97		0.0881	mg/kg	10	B3F0906	06/09/2023	06/09/2023	
Barium	99.0		8.81	"	"	"	"	"	
Cadmium	0.115		0.0881	"	"	"	"	"	
Copper	ND		8.81	"	"	"	"	"	

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

WH-BG02@6'

6/6/2023 3:16:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y306134-06 (Soil)

Table 915 metals by EPA 6020B

Lead	ND		8.81	mg/kg	10	B3F0906	06/09/2023	06/09/2023	
Nickel	9.39		8.81	"	"	"	"	"	
Selenium	ND		0.0881	"	"	"	"	"	
Silver	ND		0.0881	"	"	"	"	"	
inc	ND		88.1	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.251	0.515	mg/Kg	1	L687707	06/06/2023	06/14/2023	
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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

WH-BG03@3'
6/6/2023 3:18:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y306134-07 (Soil)

Boron (DTPA Sorbitol)

Boron	0.221		0.100	mg/L	1	B3F0702	06/07/2023	06/08/2023	
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Metals by Saturated Paste by EPA 6010

Calcium	1.02		0.499	meq/L	10	[CALC]	06/07/2023	06/08/2023	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.601		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.26			pH Units	1	B3F0709	06/07/2023	06/08/2023	
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SAR by 20B Saturated Paste

SAR	0.707			SAR	1	B3F0705	06/07/2023	06/08/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.220		0.00500	mmhos/cm	1	B3F0709	06/07/2023	06/08/2023	
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Table 915 metals by EPA 6020B

Arsenic	4.28		0.0957	mg/kg	10	B3F0906	06/09/2023	06/09/2023	
Barium	107		9.57	"	"	"	"	"	
Cadmium	0.123		0.0957	"	"	"	"	"	
Copper	ND		9.57	"	"	"	"	"	

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

WH-BG03@3'

6/6/2023 3:18:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y306134-07 (Soil)

Table 915 metals by EPA 6020B

Lead	ND		9.57	mg/kg	10	B3F0906	06/09/2023	06/09/2023	
Nickel	11.1		9.57	"	"	"	"	"	
Selenium	ND		0.0957	"	"	"	"	"	
Silver	ND		0.0957	"	"	"	"	"	
inc	ND		95.7	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L687707	06/06/2023	06/14/2023	
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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

WH-BG03@6'

6/6/2023 3:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y306134-08 (Soil)

Boron (DTPA Sorbitol)

Boron	0.194		0.101	mg/L	1	B3F0702	06/07/2023	06/08/2023	
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Metals by Saturated Paste by EPA 6010

Calcium	0.695		0.499	meq/L	10	[CALC]	06/07/2023	06/08/2023	
Magnesium	1.67		0.823	"	"	"	"	"	
Sodium	1.27		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.36			pH Units	1	B3F0709	06/07/2023	06/08/2023	
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SAR by 20B Saturated Paste

SAR	1.17			SAR	1	B3F0705	06/07/2023	06/08/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.376		0.00500	mmhos/cm	1	B3F0709	06/07/2023	06/08/2023	
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Table 915 metals by EPA 6020B

Arsenic	3.07		0.0895	mg/kg	10	B3F0906	06/09/2023	06/09/2023	
Barium	79.2		8.95	"	"	"	"	"	
Cadmium	0.104		0.0895	"	"	"	"	"	
Copper	ND		8.95	"	"	"	"	"	

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

WH-BG03@6'

6/6/2023 3:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y306134-08 (Soil)

Table 915 metals by EPA 6020B

Lead	ND		8.95	mg/kg	10	B3F0906	06/09/2023	06/09/2023	
Nickel	ND		8.95	"	"	"	"	"	
Selenium	ND		0.0895	"	"	"	"	"	
Silver	ND		0.0895	"	"	"	"	"	
inc	ND		89.5	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.25	0.514	mg/Kg	1	L687707	06/06/2023	06/14/2023	
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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

WH-BG04@3'
6/6/2023 3:22:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y306134-09 (Soil)

Boron (DTPA Sorbitol)

Boron	0.218		0.100	mg/L	1	B3F0702	06/07/2023	06/08/2023	
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Metals by Saturated Paste by EPA 6010

Calcium	1.51		0.499	meq/L	10	[CALC]	06/07/2023	06/08/2023	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.506		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.30			pH Units	1	B3F0709	06/07/2023	06/08/2023	
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SAR by 20B Saturated Paste

SAR	0.469			SAR	1	B3F0705	06/07/2023	06/08/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.322		0.00500	mmhos/cm	1	B3F0709	06/07/2023	06/08/2023	
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Table 915 metals by EPA 6020B

Arsenic	3.42		0.0926	mg/kg	10	B3F0906	06/09/2023	06/09/2023	
Barium	92.3		9.26	"	"	"	"	"	
Cadmium	0.118		0.0926	"	"	"	"	"	
Copper	ND		9.26	"	"	"	"	"	

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

WH-BG04@3'

6/6/2023 3:22:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y306134-09 (Soil)

Table 915 metals by EPA 6020B

Lead	ND		9.26	mg/kg	10	B3F0906	06/09/2023	06/09/2023	
Nickel	ND		9.26	"	"	"	"	"	
Selenium	0.102		0.0926	"	"	"	"	"	
Silver	ND		0.0926	"	"	"	"	"	
inc	ND		92.6	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L687707	06/06/2023	06/14/2023	
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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.

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

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

WH-BG04@6'

6/6/2023 3:24:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y306134-10 (Soil)

Boron (DTPA Sorbitol)

Boron	0.336		0.0995	mg/L	1	B3F0702	06/07/2023	06/08/2023	
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Metals by Saturated Paste by EPA 6010

Calcium	18.5		0.499	meq/L	10	[CALC]	06/07/2023	06/08/2023	
Magnesium	11.2		0.823	"	"	"	"	"	
Sodium	7.84		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.20			pH Units	1	B3F0709	06/07/2023	06/08/2023	
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SAR by 20B Saturated Paste

SAR	2.03			SAR	1	B3F0705	06/07/2023	06/08/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	3.01		0.00500	mmhos/cm	1	B3F0709	06/07/2023	06/08/2023	
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Table 915 metals by EPA 6020B

Arsenic	4.87		0.0917	mg/kg	10	B3F0906	06/09/2023	06/09/2023	
Barium	128		9.17	"	"	"	"	"	
Cadmium	0.206		0.0917	"	"	"	"	"	
Copper	10.9		9.17	"	"	"	"	"	

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.

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

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

WH-BG04@6'

6/6/2023 3:24:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y306134-10 (Soil)

Table 915 metals by EPA 6020B

Lead	ND		9.17	mg/kg	10	B3F0906	06/09/2023	06/09/2023	
Nickel	11.7		9.17	"	"	"	"	"	
Selenium	0.259		0.0917	"	"	"	"	"	
Silver	ND		0.0917	"	"	"	"	"	
inc	ND		91.7	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L687708	06/06/2023	06/14/2023	
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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

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3F0628 - EPA 3550B										
Blank (B3F0628-BLK1)										
					Prepared: 06/06/2023 Analyzed: 06/06/2023					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	24		"	24.9		95.3	50-150			

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

Extractable Petroleum Hydrocarbons by 8015D - 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 B3F0628 - EPA 3550B

LCS (B3F0628-BS1)

Prepared: 06/06/2023 Analyzed: 06/06/2023

Diesel (C10-C28)	922	50.0	mg/kg	1000		92.2	70-130			
Residual Range Organics (C28-C40)	946	200	"	1000		94.6	70-130			
Surrogate: o-Terphenyl	58		"	49.8		117	50-150			

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

Extractable Petroleum Hydrocarbons by 8015D - 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 B3F0628 - EPA 3550B

Matrix Spike (B3F0628-MS1)	Source: Y306128-01			Prepared: 06/06/2023 Analyzed: 06/06/2023						
Diesel (C10-C28)	896	50.0	mg/kg	1000	ND	89.6	70-130			
Residual Range Organics (C28-C40)	921	200	"	1000	ND	92.1	70-130			
Surrogate: o-Terphenyl	54		"	49.8		108	50-150			

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 Wheat Ridge CO 80033

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

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3F0628 - EPA 3550B										
Matrix Spike Dup (B3F0628-MSD1)					Source: Y306128-01					Prepared: 06/06/2023 Analyzed: 06/06/2023
Diesel (C10-C28)	916	50.0	mg/kg	1000	ND	91.6	70-130	2.14	35	
Residual Range Organics (C28-C40)	926	200	"	1000	ND	92.6	70-130	0.441	35	
Surrogate: o-Terphenyl	55		"	49.8		110	50-150			

Origins Laboratory, Inc.



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 Wheat Ridge CO 80033

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

Extractable Petroleum Hydrocarbons by 8015D - 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 B3F0632 - EPA 5030 (soil)

Blank (B3F0632-BLK1)

Prepared: 06/06/2023 Analyzed: 06/06/2023

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		93.7	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		84.5	70-130			

Origins Laboratory, Inc.



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 8000 W 44th Ave
 Wheat Ridge CO 80033

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

Volatile Organic Compounds by GC/MS SW846 8260D - 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 B3F0632 - EPA 5030 (soil)

LCS (B3F0632-BS1)

Prepared: 06/06/2023 Analyzed: 06/06/2023

1,2,4-Trimethylbenzene	0.112	0.00200	mg/kg	0.100		112	70-130			
1,3,5-Trimethylbenzene	0.110	0.00200	"	0.100		110	70-130			
Benzene	0.114	0.00200	"	0.100		114	70-130			
Ethylbenzene	0.105	0.00200	"	0.100		105	70-130			
Naphthalene	0.116	0.00380	"	0.100		116	70-130			
Toluene	0.105	0.00200	"	0.100		105	70-130			
o-Xylene	0.108	0.00200	"	0.100		108	70-130			
m,p-Xylene	0.218	0.00400	"	0.200		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		91.2	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		91.7	70-130			

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.

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

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

Volatile Organic Compounds by GC/MS SW846 8260D - 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 B3F0632 - EPA 5030 (soil)

Matrix Spike (B3F0632-MS1)	Source: Y306132-09			Prepared: 06/06/2023 Analyzed: 06/06/2023						
1,2,4-Trimethylbenzene	0.103	0.00200	mg/kg	0.100	ND	103	70-130			
1,3,5-Trimethylbenzene	0.101	0.00200	"	0.100	ND	101	70-130			
Benzene	0.104	0.00200	"	0.100	ND	104	70-130			
Ethylbenzene	0.0995	0.00200	"	0.100	ND	99.5	70-130			
Naphthalene	0.120	0.00380	"	0.100	0.000760	119	70-130			
Toluene	0.0964	0.00200	"	0.100	ND	96.4	70-130			
o-Xylene	0.102	0.00200	"	0.100	ND	102	70-130			
m,p-Xylene	0.205	0.00400	"	0.200	ND	103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		91.5	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		94.8	70-130			

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.

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

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

Volatile Organic Compounds by GC/MS SW846 8260D - 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 B3F0632 - EPA 5030 (soil)

Matrix Spike Dup (B3F0632-MSD1)	Source: Y306132-09			Prepared: 06/06/2023 Analyzed: 06/06/2023						
1,2,4-Trimethylbenzene	0.103	0.00200	mg/kg	0.100	ND	103	70-130	0.156	20	
1,3,5-Trimethylbenzene	0.102	0.00200	"	0.100	ND	102	70-130	0.276	20	
Benzene	0.103	0.00200	"	0.100	ND	103	70-130	0.502	20	
Ethylbenzene	0.0965	0.00200	"	0.100	ND	96.5	70-130	3.04	20	
Naphthalene	0.113	0.00380	"	0.100	0.000760	112	70-130	6.26	20	
Toluene	0.0949	0.00200	"	0.100	ND	94.9	70-130	1.57	20	
o-Xylene	0.0997	0.00200	"	0.100	ND	99.7	70-130	2.71	20	
m,p-Xylene	0.199	0.00400	"	0.200	ND	99.7	70-130	2.77	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		92.8	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		93.7	70-130			

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

Volatile Organic Compounds by GC/MS SW846 8260D - 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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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 B3F0906 - EPA 3050B

Blank (B3F0906-BLK1)

Prepared: 06/09/2023 Analyzed: 06/09/2023

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

LCS (B3F0906-BS1)

Prepared: 06/09/2023 Analyzed: 06/09/2023

Arsenic	0.0537	0.000100	mg/kg	0.0500		107	80-120			
Barium	5.24	0.0100	"	5.00		105	80-120			
Cadmium	0.0527	0.000100	"	0.0500		105	80-120			
Copper	0.594	0.0100	"	0.500		119	80-120			
Lead	0.0530	0.0100	"	0.0500		106	80-120			
Nickel	0.0564	0.0100	"	0.0500		113	80-120			
Selenium	0.0473	0.000100	"	0.0500		94.6	80-120			
Silver	0.0467	0.000100	"	0.0500		93.4	80-120			
inc	0.551	0.100	"	0.500		110	80-120			

Matrix Spike (B3F0906-MS1)

Source: Y306178-01

Prepared: 06/09/2023 Analyzed: 06/09/2023

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
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 Wheat Ridge CO 80033

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

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 B3F0906 - EPA 3050B

Matrix Spike (B3F0906-MS1)		Source: Y306178-01			Prepared: 06/09/2023 Analyzed: 06/09/2023					
Arsenic	7.33	0.0895	mg/kg	4.48	2.11	117	75-125			
Barium	554	8.95	"	448	77.4	107	75-125			
Cadmium	4.78	0.0895	"	4.48	0.102	104	75-125			
Copper	54.9	8.95	"	44.8	5.35	111	75-125			
Lead	11.8	8.95	"	4.48	6.85	110	75-125			
Nickel	11.5	8.95	"	4.48	6.42	113	75-125			
Selenium	4.11	0.0895	"	4.48	0.0986	89.7	75-125			
Silver	4.11	0.0895	"	4.48	0.0259	91.2	75-125			
inc	77.8	89.5	"	44.8	26.7	114	75-125			
Matrix Spike Dup (B3F0906-MSD1)		Source: Y306178-01			Prepared: 06/09/2023 Analyzed: 06/09/2023					
Arsenic	7.18	0.0919	mg/kg	4.59	2.11	110	75-125	2.08	20	
Barium	555	9.19	"	459	77.4	104	75-125	0.121	20	
Cadmium	4.80	0.0919	"	4.59	0.102	102	75-125	0.568	20	
Copper	55.4	9.19	"	45.9	5.35	109	75-125	0.962	20	
Lead	11.3	9.19	"	4.59	6.85	96.5	75-125	4.31	20	
Nickel	11.0	9.19	"	4.59	6.42	99.8	75-125	4.03	20	
Selenium	4.46	0.0919	"	4.59	0.0986	94.9	75-125	8.06	20	
Silver	4.13	0.0919	"	4.59	0.0259	89.3	75-125	0.501	20	
inc	75.0	91.9	"	45.9	26.7	105	75-125	3.65	20	

Origins Laboratory, Inc.



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 8000 W 44th Ave
 Wheat Ridge CO 80033

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

Classical Chemistry Parameters - 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 B3F0702 - DTPA Sorbitol Preparation

Blank (B3F0702-BLK1)

Prepared: 06/07/2023 Analyzed: 06/08/2023

Boron ND 0.100 mg/L

Duplicate (B3F0702-DUP1)

Source: Y306127-01

Prepared: 06/07/2023 Analyzed: 06/08/2023

Boron 0.0401 0.0993 mg/L 0.0418 4.10 50

Batch B3F0705 - Saturated Paste Metals

Blank (B3F0705-BLK1)

Prepared: 06/07/2023 Analyzed: 06/08/2023

Calcium PPM ND 10.0 mg/L

SAR 0.00 SAR

Magnesium PPM ND 10.0 mg/L

Sodium PPM ND 10.0 "

Duplicate (B3F0705-DUP1)

Source: Y306127-01

Prepared: 06/07/2023 Analyzed: 06/08/2023

Calcium PPM 331 10.0 mg/L 238 32.6 50

SAR 0.00 SAR 1.39 200 200

Magnesium PPM 149 10.0 mg/L 115 25.7 50

Sodium PPM 113 10.0 " 104 7.97 50

Origins Laboratory, Inc.



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 Wheat Ridge CO 80033

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

Saturated Paste - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3F0709 - Saturated Paste pH/EC										
Blank (B3F0709-BLK1)					Prepared: 06/07/2023 Analyzed: 06/08/2023					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							
Duplicate (B3F0709-DUP1)					Source: Y306127-01 Prepared: 06/07/2023 Analyzed: 06/08/2023					
Specific Conductance (EC)	2.57	0.00500	mmhos/cm		2.20			15.2	25	
pH	0.00		pH Units		7.69				25	

Origins Laboratory, Inc.



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 8000 W 44th Ave
 Wheat Ridge CO 80033

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

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
Batch L687708 -										
DUP (L 85769-DUP)		Source: Y306134-10			Prepared: Analyzed: 06/14/2023					
Chromium, Hexavalent	ND	0.5	mg/Kg		0.500		-	0	20	
MS (L 85769-MS)		Source: Y306134-10			Prepared: Analyzed: 06/14/2023					
Chromium, Hexavalent	27.9	2.5	mg/Kg	1250	1.22	2	75-125			
LCS (LCS)		Prepared: Analyzed: 06/14/2023								
Chromium, Hexavalent	6.76	0.5	mg/Kg	8		85	75-125			
LRB (LRB)		Prepared: Analyzed: 06/14/2023								
Chromium, Hexavalent	ND	0.5	mg/Kg				-			

Origins Laboratory, Inc.



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 Wheat Ridge CO 80033

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

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
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Batch L687707 -

DUP (L 85762-DUP)		Source: Y306134-03			Prepared: Analyzed: 06/14/2023					
Chromium, Hexavalent	ND	0.5	mg/Kg		0.500		-	0	20	
MS (L 85762-MS)		Source: Y306134-03			Prepared: Analyzed: 06/14/2023					
Chromium, Hexavalent	30.2	2.5	mg/Kg	38.5	1.22	78	75-125			

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

Notes and Definitions

U Sample is Non-Detect.

C Failure

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

Calculated results may use J-flag data (instead of reported ND) as part of calculation to provide a more accurate result.

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



June 19, 2023

Eagle Environmental Consulting, LLC

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - REI H 9-32D

Project Number - [none]

Attached are your analytical results for KMG - REI H 9-32D received by Origins Laboratory, Inc. June 07, 2023. This project is associated with Origins project number Y306178-01.

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

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FL-B06@4'	Y306178-01	Soil	June 7, 2023 14:17	06/07/2023 17:30
FL-B07@4'	Y306178-02	Soil	June 7, 2023 15:19	06/07/2023 17:30
FL-B08@4'	Y306178-03	Soil	June 7, 2023 15:53	06/07/2023 17:30

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.

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

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

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4306178

Client: Eagle Environmental

Client Project ID: REI H 9-32D

Checklist Completed by: EHS/TJM

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

Date/time completed: 6/7/23

Airbill #: N/A

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

Cooler Number/Temperature: 1, 4.5 °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 ^{(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 analytes or samples with HTs due within 48 hours present ^{(1)?}		/		
Is a chain-of-custody (COC) present and filled out completely ^{(1)?}	/			
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 (> ¼ 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 subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +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.

[Signature]
 Reviewed by (Project Manager)

6/7/23
 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 - REI H 9-32D

FL-B06@4'

6/7/2023 2:17:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y306178-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.121		0.100	mg/L	1	B3F0813	06/08/2023	06/09/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B3F0728	06/07/2023	06/08/2023	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	84.8 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B3F0731	06/07/2023	06/07/2023	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Naphthalene	0.0120		0.00380	"	"	"	"	"	
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

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

FL-B06@4'

6/7/2023 2:17:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y306178-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	93.5 %		70-130					06 07 2023	
Surrogate: Toluene-d8	97.4 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	87.9 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.79		0.499	meq/L	10	[CALC]	06/08/2023	06/09/2023	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	0.00191	0.00109	0.00201	mg/Kg	1	L687261	06/13/2023	06/13/2023	J
2-Methylnaphthalene	0.00317	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	0.0157	0.000304	0.00067	"	"	"	"	"	
Anthracene	0.0357	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	0.0504	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	0.0369	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	0.041	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	0.0217	0.000437	0.00067	"	"	"	"	"	
Chrysene	0.0605	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	0.00736	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	0.157	0.000394	0.00067	"	"	"	"	"	
Fluorene	0.0218	0.000286	0.00067	"	"	"	"	"	

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

FL-B06@4'

6/7/2023 2:17:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y306178-01 (Soil)

PAH by 8270D SIM

Indeno(1,2,3-cd)pyrene	0.0197	0.000627	0.00067	mg/Kg	1	L687261	06/13/2023	06/13/2023	
Pyrene	0.116	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2- luorobiphenyl	53 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	56.7 %		33-122			"	"	"	
Surrogate: itrobenzene-d5	43 %		29-110			"	"	"	

pH in Soil by 9045D

pH	8.51			pH Units	1	B3F0825	06/08/2023	06/09/2023	
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SAR by 20B Saturated Paste

SAR	0.115			SAR	1	B3F0821	06/08/2023	06/09/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.238		0.00500	mmhos/cm	1	B3F0825	06/08/2023	06/09/2023	
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Table 915 metals by EPA 6020B

Arsenic	2.11		0.0865	mg/kg	10	B3F0906	06/09/2023	06/09/2023	
Barium	77.4		8.65	"	"	"	"	"	
Cadmium	0.102		0.0865	"	"	"	"	"	

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

FL-B06@4'

6/7/2023 2:17:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y306178-01 (Soil)

Table 915 metals by EPA 6020B

Copper	ND		8.65	mg/kg	10	B3F0906	06/09/2023	06/09/2023	
Lead	ND		8.65	"	"	"	"	"	
Nickel	ND		8.65	"	"	"	"	"	
Selenium	0.0986		0.0865	"	"	"	"	"	
Silver	ND		0.0865	"	"	"	"	"	
inc	ND		86.5	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.249	0.511	mg/Kg	1	L687707	06/07/2023	06/14/2023	
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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

FL-B07@4'

6/7/2023 3:19:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y306178-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.135		0.0980	mg/L	1	B3F0813	06/08/2023	06/09/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	193		25.0	mg/kg	1	B3F0728	06/07/2023	06/08/2023	
Residual Range Organics (C28-C40)	109		100	"	"	"	"	"	

Surrogate: o-Terphenyl	92.3 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B3F0731	06/07/2023	06/07/2023	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Naphthalene	0.0155		0.00380	"	"	"	"	"	
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	96.0 %		70-130			"	"	"	
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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

FL-B07@4'

6/7/2023 3:19:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y306178-02 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	97.1 %		70-130					06 07 2023	
Surrogate: 4-Bromofluorobenzene	86.6 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	2.84		0.499	meq/L	10	[CALC]	06/08/2023	06/09/2023	
Magnesium	0.889		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	0.0129	0.00109	0.00201	mg/Kg	1	L687261	06/13/2023	06/13/2023	
2-Methylnaphthalene	0.0224	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	0.123	0.000304	0.00067	"	"	"	"	"	
Anthracene	0.247	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	0.246	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	0.189	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	0.209	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	0.104	0.000437	0.00067	"	"	"	"	"	
Chrysene	0.274	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	0.035	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	0.933	0.00197	0.00335	"	5	"	"	"	
Fluorene	0.167	0.000286	0.00067	"	1	"	"	"	
Indeno(1,2,3-cd)pyrene	0.101	0.000627	0.00067	"	"	"	"	"	

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

FL-B07@4'

6/7/2023 3:19:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y306178-02 (Soil)

PAH by 8270D SIM

Pyrene	0.623	0.000643	0.00067	mg/Kg	1	L687261	06/13/2023	06/13/2023	
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Surrogate: 2- luorobiphenyl	64 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	68.5 %		33-122			"	"	"	
Surrogate: itrobenzene-d5	54.7 %		29-110			"	"	"	

pH in Soil by 9045D

pH	8.27			pH Units	1	B3F0825	06/08/2023	06/09/2023	
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SAR by 20B Saturated Paste

SAR	0.165			SAR	1	B3F0821	06/08/2023	06/09/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.416		0.00500	mmhos/cm	1	B3F0825	06/08/2023	06/09/2023	
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Table 915 metals by EPA 6020B

Arsenic	4.02		0.0903	mg/kg	10	B3F0906	06/09/2023	06/09/2023	
Barium	124		9.03	"	"	"	"	"	
Cadmium	0.120		0.0903	"	"	"	"	"	
Copper	ND		9.03	"	"	"	"	"	

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

FL-B07@4'

6/7/2023 3:19:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y306178-02 (Soil)

Table 915 metals by EPA 6020B

Lead	ND		9.03	mg/kg	10	B3F0906	06/09/2023	06/09/2023	
Nickel	9.34		9.03	"	"	"	"	"	
Selenium	ND		0.0903	"	"	"	"	"	
Silver	ND		0.0903	"	"	"	"	"	
inc	ND		90.3	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.253	0.52	mg/Kg	1	L687707	06/07/2023	06/14/2023	
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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

FL-B08@4'

6/7/2023 3:53:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y306178-03 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.0988	mg/L	1	B3F0813	06/08/2023	06/09/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	80.5		25.0	mg/kg	1	B3F0728	06/07/2023	06/08/2023	
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: <i>o</i> -Terphenyl	82.5 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B3F0731	06/07/2023	06/07/2023	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	0.0718		0.00200	"	"	"	"	"	
Naphthalene	0.0850		0.00380	"	"	"	"	"	
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	0.139		0.00200	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	98.1 %		70-130			"	"	"	
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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

FL-B08@4'

6/7/2023 3:53:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y306178-03 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	99.9 %		70-130					06 07 2023	
Surrogate: 4-Bromofluorobenzene	94.3 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.25		0.499	meq/L	10	[CALC]	06/08/2023	06/09/2023	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	0.00115	0.00109	0.00201	mg/Kg	1	L687261	06/13/2023	06/13/2023	J
2-Methylnaphthalene	0.00282	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	0.00088	0.000304	0.00067	"	"	"	"	"	
Anthracene	0.00204	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	0.00283	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	0.00249	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	0.00259	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	0.00123	0.000437	0.00067	"	"	"	"	"	
Chrysene	0.00329	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	0.0091	0.000394	0.00067	"	"	"	"	"	
Fluorene	0.00105	0.000286	0.00067	"	"	"	"	"	

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

FL-B08@4'

6/7/2023 3:53:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y306178-03 (Soil)

PAH by 8270D SIM

Indeno(1,2,3-cd)pyrene	0.00125	0.000627	0.00067	mg/Kg	1	L687261	06/13/2023	06/13/2023	
Pyrene	0.00708	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2- luorobiphenyl	58.2 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	61.8 %		33-122			"	"	"	
Surrogate: itrobenzene-d5	47.7 %		29-110			"	"	"	

pH in Soil by 9045D

pH	8.33			pH Units	1	B3F0825	06/08/2023	06/09/2023	
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SAR by 20B Saturated Paste

SAR	0.0409			SAR	1	B3F0821	06/08/2023	06/09/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.164		0.00500	mmhos/cm	1	B3F0825	06/08/2023	06/09/2023	
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Table 915 metals by EPA 6020B

Arsenic	2.54		0.0890	mg/kg	10	B3F0906	06/09/2023	06/09/2023	
Barium	77.9		8.90	"	"	"	"	"	
Cadmium	0.206		0.0890	"	"	"	"	"	

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

FL-B08@4'

6/7/2023 3:53:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y306178-03 (Soil)

Table 915 metals by EPA 6020B

Copper	ND		8.90	mg/kg	10	B3F0906	06/09/2023	06/09/2023	
Lead	ND		8.90	"	"	"	"	"	
Nickel	ND		8.90	"	"	"	"	"	
Selenium	ND		0.0890	"	"	"	"	"	
Silver	ND		0.0890	"	"	"	"	"	
inc	ND		89.0	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L687707	06/07/2023	06/14/2023	
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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

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3F0728 - EPA 3550B										
Blank (B3F0728-BLK1)										
					Prepared: 06/07/2023 Analyzed: 06/07/2023					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	21		"	24.9		85.9	50-150			

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

Extractable Petroleum Hydrocarbons by 8015D - 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 B3F0728 - EPA 3550B

LCS (B3F0728-BS1)

Prepared: 06/07/2023 Analyzed: 06/07/2023

Diesel (C10-C28)	941	50.0	mg/kg	1000		94.1	70-130			
Residual Range Organics (C28-C40)	931	200	"	1000		93.1	70-130			
Surrogate: o-Terphenyl	43		"	49.8		85.8	50-150			

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

Extractable Petroleum Hydrocarbons by 8015D - 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 B3F0728 - EPA 3550B

Matrix Spike (B3F0728-MS1)	Source: Y306151-02			Prepared: 06/07/2023 Analyzed: 06/07/2023						
Diesel (C10-C28)	1020	50.0	mg/kg	1000	50.2	96.5	70-130			
Residual Range Organics (C28-C40)	945	200	"	1000	ND	94.5	70-130			
Surrogate: o-Terphenyl	39		"	49.8		78.2	50-150			

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

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3F0728 - EPA 3550B										
Matrix Spike Dup (B3F0728-MSD1)					Source: Y306151-02					Prepared: 06/07/2023 Analyzed: 06/07/2023
Diesel (C10-C28)	1010	50.0	mg/kg	1000	50.2	96.1	70-130	0.344	35	
Residual Range Organics (C28-C40)	976	200	"	1000	ND	97.6	70-130	3.28	35	
Surrogate: o-Terphenyl	43		"	49.8		86.4	50-150			

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

Extractable Petroleum Hydrocarbons by 8015D - 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 B3F0731 - EPA 5030 (soil)

Blank (B3F0731-BLK1)

Prepared: 06/07/2023 Analyzed: 06/07/2023

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		95.3	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		86.2	70-130			

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

Volatile Organic Compounds by GC/MS SW846 8260D - 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 B3F0731 - EPA 5030 (soil)

LCS (B3F0731-BS1)

Prepared: 06/07/2023 Analyzed: 06/07/2023

1,2,4-Trimethylbenzene	0.107	0.00200	mg/kg	0.100		107	70-130			
1,3,5-Trimethylbenzene	0.107	0.00200	"	0.100		107	70-130			
Benzene	0.117	0.00200	"	0.100		117	70-130			
Ethylbenzene	0.106	0.00200	"	0.100		106	70-130			
Naphthalene	0.111	0.00380	"	0.100		111	70-130			
Toluene	0.105	0.00200	"	0.100		105	70-130			
o-Xylene	0.107	0.00200	"	0.100		107	70-130			
m,p-Xylene	0.218	0.00400	"	0.200		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		93.3	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		95.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		93.3	70-130			

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

Volatile Organic Compounds by GC/MS SW846 8260D - 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 B3F0731 - EPA 5030 (soil)

Matrix Spike (B3F0731-MS1)	Source: Y306178-01			Prepared: 06/07/2023 Analyzed: 06/07/2023						
1,2,4-Trimethylbenzene	0.101	0.00200	mg/kg	0.100	ND	101	70-130			
1,3,5-Trimethylbenzene	0.101	0.00200	"	0.100	ND	101	70-130			
Benzene	0.0962	0.00200	"	0.100	ND	96.2	70-130			
Ethylbenzene	0.0969	0.00200	"	0.100	ND	96.9	70-130			
Naphthalene	0.111	0.00380	"	0.100	0.0120	98.7	70-130			
Toluene	0.0902	0.00200	"	0.100	ND	90.2	70-130			
o-Xylene	0.0989	0.00200	"	0.100	ND	98.9	70-130			
m,p-Xylene	0.200	0.00400	"	0.200	ND	99.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		93.0	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		94.0	70-130			

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

Volatile Organic Compounds by GC/MS SW846 8260D - 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 B3F0731 - EPA 5030 (soil)

Matrix Spike Dup (B3F0731-MSD1)	Source: Y306178-01			Prepared: 06/07/2023 Analyzed: 06/07/2023						
1,2,4-Trimethylbenzene	0.106	0.00200	mg/kg	0.100	ND	106	70-130	4.58	20	
1,3,5-Trimethylbenzene	0.105	0.00200	"	0.100	ND	105	70-130	3.90	20	
Benzene	0.0974	0.00200	"	0.100	ND	97.4	70-130	1.30	20	
Ethylbenzene	0.0966	0.00200	"	0.100	ND	96.6	70-130	0.372	20	
Naphthalene	0.123	0.00380	"	0.100	0.0120	111	70-130	10.3	20	
Toluene	0.0925	0.00200	"	0.100	ND	92.5	70-130	2.54	20	
o-Xylene	0.0981	0.00200	"	0.100	ND	98.1	70-130	0.772	20	
m,p-Xylene	0.200	0.00400	"	0.200	ND	99.8	70-130	0.0100	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		92.4	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		91.6	70-130			

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

Volatile Organic Compounds by GC/MS SW846 8260D - 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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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 B3F0906 - EPA 3050B

Blank (B3F0906-BLK1)

Prepared: 06/09/2023 Analyzed: 06/09/2023

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

LCS (B3F0906-BS1)

Prepared: 06/09/2023 Analyzed: 06/09/2023

Arsenic	0.0537	0.000100	mg/kg	0.0500		107	80-120			
Barium	5.24	0.0100	"	5.00		105	80-120			
Cadmium	0.0527	0.000100	"	0.0500		105	80-120			
Copper	0.594	0.0100	"	0.500		119	80-120			
Lead	0.0530	0.0100	"	0.0500		106	80-120			
Nickel	0.0564	0.0100	"	0.0500		113	80-120			
Selenium	0.0473	0.000100	"	0.0500		94.6	80-120			
Silver	0.0467	0.000100	"	0.0500		93.4	80-120			
inc	0.551	0.100	"	0.500		110	80-120			

Matrix Spike (B3F0906-MS1)

Source: Y306178-01

Prepared: 06/09/2023 Analyzed: 06/09/2023

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

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 B3F0906 - EPA 3050B

Matrix Spike (B3F0906-MS1)		Source: Y306178-01			Prepared: 06/09/2023 Analyzed: 06/09/2023					
Arsenic	7.33	0.0895	mg/kg	4.48	2.11	117	75-125			
Barium	554	8.95	"	448	77.4	107	75-125			
Cadmium	4.78	0.0895	"	4.48	0.102	104	75-125			
Copper	54.9	8.95	"	44.8	5.35	111	75-125			
Lead	11.8	8.95	"	4.48	6.85	110	75-125			
Nickel	11.5	8.95	"	4.48	6.42	113	75-125			
Selenium	4.11	0.0895	"	4.48	0.0986	89.7	75-125			
Silver	4.11	0.0895	"	4.48	0.0259	91.2	75-125			
inc	77.8	89.5	"	44.8	26.7	114	75-125			
Matrix Spike Dup (B3F0906-MSD1)		Source: Y306178-01			Prepared: 06/09/2023 Analyzed: 06/09/2023					
Arsenic	7.18	0.0919	mg/kg	4.59	2.11	110	75-125	2.08	20	
Barium	555	9.19	"	459	77.4	104	75-125	0.121	20	
Cadmium	4.80	0.0919	"	4.59	0.102	102	75-125	0.568	20	
Copper	55.4	9.19	"	45.9	5.35	109	75-125	0.962	20	
Lead	11.3	9.19	"	4.59	6.85	96.5	75-125	4.31	20	
Nickel	11.0	9.19	"	4.59	6.42	99.8	75-125	4.03	20	
Selenium	4.46	0.0919	"	4.59	0.0986	94.9	75-125	8.06	20	
Silver	4.13	0.0919	"	4.59	0.0259	89.3	75-125	0.501	20	
inc	75.0	91.9	"	45.9	26.7	105	75-125	3.65	20	

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

Classical Chemistry Parameters - 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 B3F0813 - DTPA Sorbitol Preparation

Blank (B3F0813-BLK1)

Prepared: 06/08/2023 Analyzed: 06/09/2023

Boron ND 0.100 mg/L

Duplicate (B3F0813-DUP1)

Source: Y306177-01

Prepared: 06/08/2023 Analyzed: 06/09/2023

Boron 0.118 0.102 mg/L 0.114 2.84 50

Batch B3F0821 - Saturated Paste Metals

Blank (B3F0821-BLK1)

Prepared: 06/08/2023 Analyzed: 06/09/2023

SAR 0.00 SAR

Calcium PPM ND 10.0 mg/L

Magnesium PPM ND 10.0 "

Sodium PPM ND 10.0 "

Duplicate (B3F0821-DUP1)

Source: Y306176-01

Prepared: 06/08/2023 Analyzed: 06/09/2023

Calcium PPM 23.8 10.0 mg/L 25.8 8.31 50

SAR 0.00 SAR 0.304 200 200

Magnesium PPM 3.02 10.0 mg/L 3.15 4.21 50

Sodium PPM 4.32 10.0 " 6.15 35.0 50

Origins Laboratory, Inc.



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 8000 W 44th Ave
 Wheat Ridge CO 80033

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

Saturated Paste - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3F0825 - Saturated Paste pH/EC										
Blank (B3F0825-BLK1)					Prepared: 06/08/2023 Analyzed: 06/09/2023					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							
Duplicate (B3F0825-DUP1)					Source: Y306176-01 Prepared: 06/08/2023 Analyzed: 06/09/2023					
pH	8.32		pH Units		8.32			0.00	25	
Specific Conductance (EC)	0.189	0.00500	mmhos/cm		0.200			5.56	25	

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

PAH by 8270D SIM - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L687261 - 3550B

MSD (L 85721-MSD-L687261)		Source: 85721			Prepared: 06/13/2023 Analyzed: 06/13/2023					
Fluorene	0.352	0.00335	mg/Kg	0.166	0.0761	166	30-130	25.6	30	
Pyrene	0.958	0.00335	"	0.166	0.271	414	30-130	17.3	30	
1-Methylnaphthalene	0.116	0.0101	"	0.166	0.00624	66.1	30-130	2.6	30	
2-Methylnaphthalene	0.134	0.0101	"	0.166	0.0106	74.3	30-130	7.7	30	
Indeno(1,2,3-cd)pyrene	0.259	0.00335	"	0.166	0.06	120	30-130	14.4	30	
Acenaphthene	0.309	0.00335	"	0.166	0.0572	152	30-130	27.6	30	
Anthracene	0.492	0.00335	"	0.166	0.112	229	30-130	24.6	30	
Benzo(a)anthracene	0.451	0.00335	"	0.166	0.111	205	30-130	28	30	
Benzo(b)fluoranthene	0.487	0.00335	"	0.166	0.104	231	30-130	15.4	30	
Benzo(k)fluoranthene	0.28	0.00335	"	0.166	0.0482	140	30-130	17.8	30	
Chrysene	0.458	0.00335	"	0.166	0.128	199	30-130	17.8	30	
Dibenz(a,h)anthracene	0.163	0.00335	"	0.166	0.0195	86.4	30-130	3	30	
Fluoranthene	1.17	0.00335	"	0.166	0.365	485	30-130	17.6	30	
Benzo(a)pyrene	0.365	0.00335	"	0.166	0.0848	169	30-130	18.8	30	
Surrogate: 4-Terphenyl-d14	64.4		"	0.332	178	64.4	33-122			
Surrogate: itrobenzene-d5	51.5		"	0.332	146	51.5	29-110			
Surrogate: 2- luorobiphenyl	53.3		"	0.332	172	53.3	33-115			

MS (L 85721-MS-L687261)		Source: 85721			Prepared: 06/13/2023 Analyzed: 06/13/2023					
Benzo(k)fluoranthene	0.234	0.00335	mg/Kg	0.164	0.0482	113	30-130			
Pyrene	0.805	0.00335	"	0.164	0.271	326	30-130			
Chrysene	0.383	0.00335	"	0.164	0.128	155	30-130			
Dibenz(a,h)anthracene	0.168	0.00335	"	0.164	0.0195	90.5	30-130			
Fluoranthene	0.98	0.00335	"	0.164	0.365	375	30-130			
Indeno(1,2,3-cd)pyrene	0.224	0.00335	"	0.164	0.06	100	30-130			
Benzo(a)anthracene	0.34	0.00335	"	0.164	0.111	140	30-130			
Fluorene	0.272	0.00335	"	0.164	0.0761	119	30-130			

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

PAH by 8270D SIM - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L687261 - 3550B

MS (L 85721-MS-L687261)		Source: 85721			Prepared: 06/13/2023 Analyzed: 06/13/2023					
Anthracene	0.384	0.00335	mg/Kg	0.164	0.112	166	30-130			
Acenaphthene	0.234	0.00335	"	0.164	0.0572	108	30-130			
2-Methylnaphthalene	0.124	0.0101	"	0.164	0.0106	69.1	30-130			
1-Methylnaphthalene	0.113	0.0101	"	0.164	0.00624	65	30-130			
Benzo(b)fluoranthene	0.417	0.00335	"	0.164	0.104	191	30-130			
Benzo(a)pyrene	0.302	0.00335	"	0.164	0.0848	132	30-130			
Surrogate: itrobenzene-d5	60.1		"	0.329	146	60.1	29-110			
Surrogate: 4-Terphenyl-d14	84.4		"	0.329	178	84.4	33-122			
Surrogate: 2- luorobiphenyl	62.3		"	0.329	172	62.3	33-115			

LCS (LCS-L687261)					Prepared: 06/13/2023 Analyzed: 06/13/2023					
Pyrene	0.107	0.00067	mg/Kg	0.167		64	30-130			
Benzo(b)fluoranthene	0.0921	0.00067	"	0.167		55.1	30-130			
Benzo(k)fluoranthene	0.0942	0.00067	"	0.167		56.4	30-130			
Chrysene	0.116	0.00067	"	0.167		69.4	30-130			
Fluoranthene	0.109	0.00067	"	0.167		65.2	30-130			
Benzo(a)pyrene	0.118	0.00067	"	0.167		70.6	30-130			
Dibenz(a,h)anthracene	0.136	0.00067	"	0.167		81.4	30-130			
Indeno(1,2,3-cd)pyrene	0.118	0.00067	"	0.167		70.6	30-130			
Anthracene	0.118	0.00067	"	0.167		70.6	30-130			
Acenaphthene	0.107	0.00067	"	0.167		64	30-130			
2-Methylnaphthalene	0.109	0.00201	"	0.167		65.2	30-130			
1-Methylnaphthalene	0.106	0.00201	"	0.167		63.4	30-130			
Fluorene	0.119	0.00067	"	0.167		71.2	30-130			
Benzo(a)anthracene	0.113	0.00067	"	0.167		67.6	30-130			
Surrogate: itrobenzene-d5	57.9		"	0.333		57.9	29-110			
Surrogate: 4-Terphenyl-d14	69.9		"	0.333		69.9	33-122			

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.

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

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

PAH by 8270D SIM - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L687261 - 3550B										
LCS (LCS-L687261)					Prepared: 06/13/2023 Analyzed: 06/13/2023					
Surrogate: 2- luorobiphenyl	68.1		mg g	0.333		68.1	33-115			
LRB (LRB-L687261)					Prepared: 06/13/2023 Analyzed: 06/13/2023					
Indeno(1,2,3-cd)pyrene	ND	0.00067	mg/Kg				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00201	"				-			
1-Methylnaphthalene	ND	0.00201	"				-			
Pyrene	ND	0.00067	"				-			
Surrogate: 2- luorobiphenyl	67.8		"	0.333		67.8	33-115			
Surrogate: itrobenzene-d5	57.6		"	0.333		57.6	29-110			
Surrogate: 4-Terphenyl-d14	69		"	0.333		69	33-122			

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.

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

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

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
Batch L687707 -										
DUP (L 85762-DUP)		Source: 85762			Prepared: Analyzed: 06/14/2023					
Chromium, Hexavalent	ND	0.5	mg/Kg		85762		-	0	20	
MS (L 85762-MS)		Source: 85762			Prepared: Analyzed: 06/14/2023					
Chromium, Hexavalent	30.2	2.5	mg/Kg	38.5	85762	78	75-125			
LCS (LCS)		Prepared: Analyzed: 06/14/2023								
Chromium, Hexavalent	6.78	0.5	mg/Kg	8		85	75-125			
LRB (LRB)		Prepared: Analyzed: 06/14/2023								
Chromium, Hexavalent	ND	0.5	mg/Kg				-			

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.

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

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

Notes and Definitions

U Sample is Non-Detect.

J Estimated value. Analyte below reported quantitation limit.

C Failure

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

Calculated results may use J-flag data (instead of reported ND) as part of calculation to provide a more accurate result.

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



August 18, 2023

Eagle Environmental Consulting, LLC

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - REI H 9-32D

Project Number - [none]

Attached are your analytical results for KMG - REI H 9-32D received by Origins Laboratory, Inc. August 10, 2023. This project is associated with Origins project number Y308264-01.

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

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FL-B08@7'	Y308264-01	Soil	August 10, 2023 13:10	08/10/2023 16:13
FL-N03@4'	Y308264-02	Soil	August 10, 2023 13:12	08/10/2023 16:13
FL-S03@4'	Y308264-03	Soil	August 10, 2023 13:14	08/10/2023 16:13
FL-E03@4'	Y308264-04	Soil	August 10, 2023 13:16	08/10/2023 16:13
FL-W03@4'	Y308264-05	Soil	August 10, 2023 13:18	08/10/2023 16:13

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.

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

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

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



U30864

www.originslaboratory.com

Impacted

page 1 of 1

Client: Eagle Environmental (oxy)
 Address: 8000 W 44th Ave
Wheat Ridge, CO 80033
 Telephone Number: 303-433-6479
 Email Address: dcole@eagle-enviro.com

Project Manager: D. Coloccia
 Project Name: REI H 9-32D
 Project Number: -
 Samples Collected By: CB

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix		Other	Analysis	Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil			
FL-60801'	8/10/23	1310	3	X					X			
FL-N0304'		1312							X			
FL-S0304'		1314							X			
FL-E0304'		1316							X			
FL-W0304'		1318							X			

Temp Received: 3 Date Results Needed

Relinquished By: Chris Rodin Date: 8/10/23 Time: 10:15
 Received By: DM Date: 8/10/23 Time: 10:15
 Turnaround Time: Same Day 24 Hr 48 Hr 72 Hr Standard

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.

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

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

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4308264

Client: Eagle

Client Project ID: REI H 9-32D

Checklist Completed by: ZHS

Shipped Via: HD

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 8/10/23

Airbill #: N/A

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

Cooler Number/Temperature: 113 °C 1 °C 1 °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 ⁽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 analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		/		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	/			
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 (> ¼ 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 subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +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.

[Signature]
 Reviewed by (Project Manager)

8/10/23
 Date/Time Reviewed

Origins Laboratory, Inc.

[Signature]

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.

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

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

FL-B08@7'

8/10/2023 1:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y308264-01 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B3H1020	08/10/2023	08/10/2023	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	101 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

Ethylbenzene	ND		0.00200	mg/kg	1	B3H1024	08/10/2023	08/10/2023	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	102 %		70-130			"	"	"	
Surrogate: Toluene-d8	98.8 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	93.4 %		70-130			"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L698580	08/15/2023	08/15/2023	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	

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.

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

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

FL-B08@7'

8/10/2023 1:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y308264-01 (Soil)

PAH by 8270D SIM

Benzo(a)anthracene	ND	0.000493	0.00067	mg/Kg	1	L698580	08/15/2023	08/15/2023	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"	
Fluorene	ND	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2- luorobiphenyl	57.5 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	75.7 %		33-122			"	"	"	
Surrogate: itrobenzene-d5	54.8 %		29-110			"	"	"	

pH in Soil by 9045D

pH	8.60			pH Units	1	B3H1116	08/11/2023	08/12/2023	
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Total Metals by 6020B

Arsenic	3.03	0.0855	0.25	mg/Kg	5	L698721	08/15/2023	08/16/2023	
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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.

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

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

FL-B08@7'

8/10/2023 1:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y308264-01 (Soil)

Total Metals by 6020B

Barium	89.5	0.042	0.25	mg/Kg	5	L698721	08/15/2023	08/16/2023	
Cadmium	0.0873	0.026	0.25	"	"	"	"	"	J

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.

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

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

FL-N03@4'

8/10/2023 1:12:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y308264-02 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B3H1020	08/10/2023	08/10/2023	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	128 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

Ethylbenzene	ND		0.00200	mg/kg	1	B3H1024	08/10/2023	08/10/2023	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	98.4 %		70-130			"	"	"	
Surrogate: Toluene-d8	100 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	94.3 %		70-130			"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L698892	08/16/2023	08/16/2023	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	

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.

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

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

FL-N03@4'

8/10/2023 1:12:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y308264-02 (Soil)

PAH by 8270D SIM

Benzo(a)anthracene	ND	0.000493	0.00067	mg/Kg	1	L698892	08/16/2023	08/16/2023	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"	
Fluorene	ND	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2- luorobiphenyl	63.4 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	65.9 %		33-122			"	"	"	
Surrogate: itrobenzene-d5	52.6 %		29-110			"	"	"	

pH in Soil by 9045D

pH	8.38			pH Units	1	B3H1116	08/11/2023	08/12/2023	
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Total Metals by 6020B

Arsenic	1.45	0.0855	0.25	mg/Kg	5	L698721	08/15/2023	08/16/2023	
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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.

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

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

FL-N03@4'

8/10/2023 1:12:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y308264-02 (Soil)

Total Metals by 6020B

Barium	79.4	0.042	0.25	mg/Kg	5	L698721	08/15/2023	08/16/2023	
Cadmium	0.089	0.026	0.25	"	"	"	"	"	J

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.

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

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

FL-S03@4'

8/10/2023 1:14:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y308264-03 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B3H1020	08/10/2023	08/10/2023	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	107 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

Ethylbenzene	ND		0.00200	mg/kg	1	B3H1024	08/10/2023	08/11/2023	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	83.2 %		70-130			"	"	"	
Surrogate: Toluene-d8	92.6 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	96.8 %		70-130			"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L698892	08/16/2023	08/16/2023	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	

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.

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

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

FL-S03@4'

8/10/2023 1:14:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y308264-03 (Soil)

PAH by 8270D SIM

Benzo(a)anthracene	ND	0.000493	0.00067	mg/Kg	1	L698892	08/16/2023	08/16/2023	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"	
Fluorene	ND	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2- luorobiphenyl	65 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	67.5 %		33-122			"	"	"	
Surrogate: itrobenzene-d5	53.8 %		29-110			"	"	"	

pH in Soil by 9045D

pH	8.38			pH Units	1	B3H1116	08/11/2023	08/12/2023	
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Total Metals by 6020B

Arsenic	2.5	0.0855	0.25	mg/Kg	5	L698721	08/15/2023	08/16/2023	
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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.

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

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

FL-S03@4'

8/10/2023 1:14:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y308264-03 (Soil)

Total Metals by 6020B

Barium	79.3	0.042	0.25	mg/Kg	5	L698721	08/15/2023	08/16/2023	
Cadmium	0.101	0.026	0.25	"	"	"	"	"	J

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.

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

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

FL-E03@4'

8/10/2023 1:16:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y308264-04 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B3H1020	08/10/2023	08/10/2023	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	99.9 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

Ethylbenzene	ND		0.00200	mg/kg	1	B3H1024	08/10/2023	08/10/2023	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	99.5 %		70-130			"	"	"	
Surrogate: Toluene-d8	101 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	92.3 %		70-130			"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L698892	08/16/2023	08/16/2023	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	

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.

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

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

FL-E03@4'

8/10/2023 1:16:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y308264-04 (Soil)

PAH by 8270D SIM

Benzo(a)anthracene	ND	0.000493	0.00067	mg/Kg	1	L698892	08/16/2023	08/16/2023	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	0.001	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	0.000638	0.000624	0.00067	"	"	"	"	"	J
Fluoranthene	0.000938	0.000394	0.00067	"	"	"	"	"	
Fluorene	ND	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	0.000887	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"	
Pyrene	0.000786	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2- luorobiphenyl	59.2 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	61.9 %		33-122			"	"	"	
Surrogate: itrobenzene-d5	49.8 %		29-110			"	"	"	

pH in Soil by 9045D

pH	8.49			pH Units	1	B3H1116	08/11/2023	08/12/2023	
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Total Metals by 6020B

Arsenic	3.39	0.0855	0.25	mg/Kg	5	L698721	08/15/2023	08/16/2023	
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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.

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

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

FL-E03@4'

8/10/2023 1:16:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y308264-04 (Soil)

Total Metals by 6020B

Barium	153	0.042	0.25	mg/Kg	5	L698721	08/15/2023	08/16/2023	
Cadmium	0.171	0.026	0.25	"	"	"	"	"	J

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.

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

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

FL-W03@4'

8/10/2023 1:18:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y308264-05 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B3H1020	08/10/2023	08/10/2023	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	92.9 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

Ethylbenzene	ND		0.00200	mg/kg	1	B3H1024	08/10/2023	08/10/2023	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	98.1 %		70-130			"	"	"	
Surrogate: Toluene-d8	98.8 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	95.2 %		70-130			"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L698892	08/16/2023	08/16/2023	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	

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

FL-W03@4'

8/10/2023 1:18:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y308264-05 (Soil)

PAH by 8270D SIM

Benzo(a)anthracene	ND	0.000493	0.00067	mg/Kg	1	L698892	08/16/2023	08/16/2023	
Benzo(a)pyrene	0.000584	0.000468	0.00067	"	"	"	"	"	J
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Fluoranthene	0.00111	0.000394	0.00067	"	"	"	"	"	
Fluorene	ND	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"	
Pyrene	0.000941	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2- luorobiphenyl	51.1 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	58.7 %		33-122			"	"	"	
Surrogate: itrobenzene-d5	41.3 %		29-110			"	"	"	

pH in Soil by 9045D

pH	8.40			pH Units	1	B3H1116	08/11/2023	08/12/2023	
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Total Metals by 6020B

Arsenic	1.74	0.0855	0.25	mg/Kg	5	L698722	08/15/2023	08/16/2023	
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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

FL-W03@4'

8/10/2023 1:18:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y308264-05 (Soil)

Total Metals by 6020B

Barium	75.3	0.042	0.25	mg/Kg	5	L698722	08/15/2023	08/16/2023	
Cadmium	0.123	0.026	0.25	"	"	"	"	"	J

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

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3H1020 - EPA 3550B										
Blank (B3H1020-BLK1)										
					Prepared: 08/10/2023 Analyzed: 08/10/2023					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	25		"	24.9		101	50-150			

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

Extractable Petroleum Hydrocarbons by 8015D - 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 B3H1020 - EPA 3550B

LCS (B3H1020-BS1)

Prepared: 08/10/2023 Analyzed: 08/10/2023

Diesel (C10-C28)	969	50.0	mg/kg	1000		96.9	70-130			
Residual Range Organics (C28-C40)	1030	200	"	1000		103	70-130			
Surrogate: o-Terphenyl	63		"	49.8		126	50-150			

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

Extractable Petroleum Hydrocarbons by 8015D - 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 B3H1020 - EPA 3550B

Matrix Spike (B3H1020-MS1)	Source: Y308256-01			Prepared: 08/10/2023 Analyzed: 08/10/2023						
Diesel (C10-C28)	983	50.0	mg/kg	1000	ND	98.3	70-130			
Residual Range Organics (C28-C40)	1050	200	"	1000	ND	105	70-130			
Surrogate: o-Terphenyl	58		"	49.8		116	50-150			

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

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3H1020 - EPA 3550B										
Matrix Spike Dup (B3H1020-MSD1)					Source: Y308256-01					Prepared: 08/10/2023 Analyzed: 08/10/2023
Diesel (C10-C28)	866	50.0	mg/kg	1000	ND	86.6	70-130	12.7	35	
Residual Range Organics (C28-C40)	922	200	"	1000	ND	92.2	70-130	12.6	35	
Surrogate: o-Terphenyl	43		"	49.8		85.5	50-150			

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

Extractable Petroleum Hydrocarbons by 8015D - 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 B3H1024 - EPA 5030 (soil)

Blank (B3H1024-BLK1)

Prepared: 08/10/2023 Analyzed: 08/10/2023

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		97.3	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		96.2	70-130			

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

Volatile Organic Compounds by GC/MS SW846 8260D - 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 B3H1024 - EPA 5030 (soil)

LCS (B3H1024-BS1)

Prepared: 08/10/2023 Analyzed: 08/10/2023

1,2,4-Trimethylbenzene	0.101	0.00200	mg/kg	0.100		101	70-130			
1,3,5-Trimethylbenzene	0.103	0.00200	"	0.100		103	70-130			
Benzene	0.0908	0.00200	"	0.100		90.8	70-130			
Ethylbenzene	0.106	0.00200	"	0.100		106	70-130			
Naphthalene	0.0972	0.00380	"	0.100		97.2	70-130			
Toluene	0.0929	0.00200	"	0.100		92.9	70-130			
o-Xylene	0.113	0.00200	"	0.100		113	70-130			
m,p-Xylene	0.223	0.00400	"	0.200		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		96.5	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		103	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		107	70-130			

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.

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

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

Volatile Organic Compounds by GC/MS SW846 8260D - 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 B3H1024 - EPA 5030 (soil)

Matrix Spike (B3H1024-MS1)	Source: Y308256-01			Prepared: 08/10/2023 Analyzed: 08/10/2023						
1,2,4-Trimethylbenzene	0.0927	0.00200	mg/kg	0.100	ND	92.7	70-130			
1,3,5-Trimethylbenzene	0.0949	0.00200	"	0.100	ND	94.9	70-130			
Benzene	0.0664	0.00200	"	0.100	ND	66.4	70-130			M-07
Ethylbenzene	0.0970	0.00200	"	0.100	ND	97.0	70-130			
Naphthalene	0.0930	0.00380	"	0.100	0.00202	91.0	70-130			
Toluene	0.0794	0.00200	"	0.100	ND	79.4	70-130			
o-Xylene	0.104	0.00200	"	0.100	ND	104	70-130			
m,p-Xylene	0.203	0.00400	"	0.200	ND	102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		98.0	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		103	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		108	70-130			

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.

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

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

Volatile Organic Compounds by GC/MS SW846 8260D - 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 B3H1024 - EPA 5030 (soil)

Matrix Spike Dup (B3H1024-MSD1)	Source: Y308256-01		Prepared: 08/10/2023 Analyzed: 08/10/2023							
1,2,4-Trimethylbenzene	0.0944	0.00200	mg/kg	0.100	ND	94.4	70-130	1.84	20	
1,3,5-Trimethylbenzene	0.0931	0.00200	"	0.100	ND	93.1	70-130	1.91	20	
Benzene	0.0676	0.00200	"	0.100	ND	67.6	70-130	1.79	20	M-07
Ethylbenzene	0.0944	0.00200	"	0.100	ND	94.4	70-130	2.70	20	
Naphthalene	0.0978	0.00380	"	0.100	0.00202	95.8	70-130	5.01	20	
Toluene	0.0791	0.00200	"	0.100	ND	79.1	70-130	0.429	20	
o-Xylene	0.104	0.00200	"	0.100	ND	104	70-130	0.519	20	
m,p-Xylene	0.197	0.00400	"	0.200	ND	98.6	70-130	2.87	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		99.4	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		100	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		105	70-130			

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.

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

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

Volatile Organic Compounds by GC/MS SW846 8260D - 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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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 B3H1116 - Saturated Paste pH/EC

Duplicate (B3H1116-DUP1)

Source: Y308264-01

Prepared: 08/11/2023 Analyzed: 08/12/2023

pH	8.29		pH Units		8.60			3.67	25	
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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

PAH by 8270D SIM - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L698892 - 3550B

MSD (L 93937-MSD-L698892)	Source: Y308264-02			Prepared: 08/16/2023 Analyzed: 08/16/2023						
Acenaphthene	0.107	0.00067	mg/Kg	0.164	0.000304	65.2	30-130	5.4	30	
Naphthalene	0.101	0.00201	"	0.164	0.00145	61.5	30-130	3.8	30	
Fluorene	0.12	0.00067	"	0.164	0.000286	73.1	30-130	5.6	30	
Fluoranthene	0.114	0.00067	"	0.164	0.000394	69.5	30-130	4.2	30	
Chrysene	0.118	0.00067	"	0.164	0.000624	71.9	30-130	3.3	30	
Benzo(k)fluoranthene	0.101	0.00067	"	0.164	0.000437	61.5	30-130	1.7	30	
Benzo(b)fluoranthene	0.0902	0.00067	"	0.164	0.000585	55	30-130	5.3	30	
Benzo(a)pyrene	0.124	0.00067	"	0.164	0.000468	75.6	30-130	2.3	30	
1-Methylnaphthalene	0.107	0.00201	"	0.164	0.00109	65.2	30-130	4.5	30	
Anthracene	0.12	0.00067	"	0.164	0.000334	73.1	30-130	3.2	30	
2-Methylnaphthalene	0.109	0.00201	"	0.164	0.00194	66.4	30-130	4.4	30	
Pyrene	0.112	0.00067	"	0.164	0.000643	68.2	30-130	4.3	30	
Benzo(a)anthracene	0.114	0.00067	"	0.164	0.000493	69.5	30-130	5.1	30	
Indeno(1,2,3-cd)pyrene	0.111	0.00067	"	0.164	0.000627	67.6	30-130	26.5	30	
Surrogate: 4-Terphenyl-d14	67.1		"	0.329	218	67.1	33-122			
Surrogate: 2- luorobiphenyl	62.9		"	0.329	21	62.9	33-115			
Surrogate: itrobenzene-d5	50.1		"	0.329	174	50.1	29-110			

MS (L 93937-MS-L698892)	Source: Y308264-02			Prepared: 08/16/2023 Analyzed: 08/16/2023						
Fluorene	0.127	0.00067	mg/Kg	0.166	0.000286	76.5	30-130			
1-Methylnaphthalene	0.112	0.00201	"	0.166	0.00109	67.4	30-130			
2-Methylnaphthalene	0.114	0.00201	"	0.166	0.00194	68.6	30-130			
Acenaphthene	0.113	0.00067	"	0.166	0.000304	68	30-130			
Anthracene	0.124	0.00067	"	0.166	0.000334	74.6	30-130			
Benzo(a)anthracene	0.12	0.00067	"	0.166	0.000493	72.2	30-130			
Benzo(a)pyrene	0.127	0.00067	"	0.166	0.000468	76.5	30-130			
Benzo(b)fluoranthene	0.0855	0.00067	"	0.166	0.000585	51.5	30-130			

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

PAH by 8270D SIM - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L698892 - 3550B

MS (L 93937-MS-L698892)		Source: Y308264-02			Prepared: 08/16/2023 Analyzed: 08/16/2023					
Benzo(k)fluoranthene	0.0992	0.00067	mg/Kg	0.166	0.000437	59.7	30-130			
Fluoranthene	0.119	0.00067	"	0.166	0.000394	71.6	30-130			
Indeno(1,2,3-cd)pyrene	0.085	0.00067	"	0.166	0.000627	51.2	30-130			
Naphthalene	0.105	0.00201	"	0.166	0.00145	63.2	30-130			
Pyrene	0.117	0.00067	"	0.166	0.000643	70.4	30-130			
Chrysene	0.122	0.00067	"	0.166	0.000624	73.4	30-130			
Surrogate: 2- luorobiphenyl	65.8		"	0.331	21	65.8	33-115			
Surrogate: 4-Terphenyl-d14	67.9		"	0.331	218	67.9	33-122			
Surrogate: itrobenzene-d5	52.5		"	0.331	174	52.5	29-110			

LCS (LCS-L698892)					Prepared: 08/16/2023 Analyzed: 08/16/2023					
Anthracene	0.131	0.00067	mg/Kg	0.167		78.4	30-130			
Naphthalene	0.107	0.00201	"	0.167		64	30-130			
Indeno(1,2,3-cd)pyrene	0.118	0.00067	"	0.167		70.6	30-130			
Fluorene	0.128	0.00067	"	0.167		76.6	30-130			
Fluoranthene	0.133	0.00067	"	0.167		79.6	30-130			
1-Methylnaphthalene	0.109	0.00201	"	0.167		65.2	30-130			
2-Methylnaphthalene	0.11	0.00201	"	0.167		65.8	30-130			
Acenaphthene	0.11	0.00067	"	0.167		65.8	30-130			
Benzo(a)anthracene	0.116	0.00067	"	0.167		69.4	30-130			
Benzo(a)pyrene	0.13	0.00067	"	0.167		77.8	30-130			
Benzo(b)fluoranthene	0.122	0.00067	"	0.167		73	30-130			
Benzo(k)fluoranthene	0.13	0.00067	"	0.167		77.8	30-130			
Pyrene	0.133	0.00067	"	0.167		79.6	30-130			
Chrysene	0.13	0.00067	"	0.167		77.8	30-130			
Surrogate: itrobenzene-d5	62.4		"	0.333		62.4	29-110			
Surrogate: 2- luorobiphenyl	69.6		"	0.333		69.6	33-115			

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.

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

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

PAH by 8270D SIM - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L698892 - 3550B										
LCS (LCS-L698892)					Prepared: 08/16/2023 Analyzed: 08/16/2023					
Surrogate: 4-Terphenyl-d14	80.4		mg g	0.333		80.4	33-122			
LRB (LRB-L698892)					Prepared: 08/16/2023 Analyzed: 08/16/2023					
2-Methylnaphthalene	ND	0.00201	mg/Kg				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00201	"				-			
Naphthalene	ND	0.00201	"				-			
Fluorene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
Pyrene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Surrogate: itrobenzene-d5	58.8		"	0.333		58.8	29-110			
Surrogate: 4-Terphenyl-d14	72.9		"	0.333		72.9	33-122			
Surrogate: 2- luorobiphenyl	69.6		"	0.333		69.6	33-115			

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.

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

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

PAH by 8270D SIM - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L698580 - 3550B

MSD (L 93884-MSD-L698580)		Source: 93884			Prepared: 08/15/2023 Analyzed: 08/15/2023					
2-Methylnaphthalene	0.118	0.00201	mg/Kg	0.163	0.00194	72.3	30-130	3.4	30	
Indeno(1,2,3-cd)pyrene	0.118	0.00067	"	0.163	0.000723	71.9	30-130	19.2	30	
Fluoranthene	0.114	0.00067	"	0.163	0.000394	69.9	30-130	10	30	
Benzo(k)fluoranthene	0.103	0.00067	"	0.163	0.000437	63.1	30-130	3.2	30	
Benzo(b)fluoranthene	0.0985	0.00067	"	0.163	0.00102	59.8	30-130	11.9	30	
Benzo(a)pyrene	0.14	0.00067	"	0.163	0.000468	85.8	30-130	3.6	30	
Benzo(a)anthracene	0.127	0.00067	"	0.163	0.000493	77.9	30-130	1.5	30	
Anthracene	0.145	0.00067	"	0.163	0.000334	88.9	30-130	3.5	30	
1-Methylnaphthalene	0.119	0.00201	"	0.163	0.00109	73	30-130	5.1	30	
Fluorene	0.141	0.00067	"	0.163	0.000286	86.5	30-130	14.4	30	
Naphthalene	0.113	0.00201	"	0.163	0.00145	69.3	30-130	2.6	30	
Acenaphthene	0.119	0.00067	"	0.163	0.000304	73	30-130	0.8	30	
Pyrene	0.108	0.00067	"	0.163	0.000643	66.2	30-130	16.1	30	
Chrysene	0.127	0.00067	"	0.163	0.000624	77.9	30-130	4	30	

Surrogate: 4-Terphenyl-d14
 Surrogate: 2- luorobiphenyl
 Surrogate: itrobenzene-d5

64.2
 66.9
 54.4

"
 "
 "

0.327
 0.327
 0.327

21
 2 2
 1

64.2
 66.9
 54.4

33-122
 33-115
 29-110

MS (L 93884-MS-L698580)		Source: 93884			Prepared: 08/15/2023 Analyzed: 08/15/2023					
Chrysene	0.122	0.00067	mg/Kg	0.166	0.000624	73.4	30-130			
Pyrene	0.127	0.00067	"	0.166	0.000643	76.5	30-130			
Naphthalene	0.11	0.00201	"	0.166	0.00145	66.2	30-130			
Indeno(1,2,3-cd)pyrene	0.0973	0.00067	"	0.166	0.000723	58.1	30-130			
Fluoranthene	0.126	0.00067	"	0.166	0.000394	75.9	30-130			
Benzo(k)fluoranthene	0.0997	0.00067	"	0.166	0.000437	60	30-130			
Benzo(b)fluoranthene	0.0874	0.00067	"	0.166	0.00102	52	30-130			
2-Methylnaphthalene	0.114	0.00201	"	0.166	0.00194	68.6	30-130			

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

PAH by 8270D SIM - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L698580 - 3550B

MS (L 93884-MS-L698580)		Source: 93884			Prepared: 08/15/2023 Analyzed: 08/15/2023					
1-Methylnaphthalene	0.113	0.00201	mg/Kg	0.166	0.00109	68	30-130			
Fluorene	0.122	0.00067	"	0.166	0.000286	73.4	30-130			
Benzo(a)pyrene	0.135	0.00067	"	0.166	0.000468	81.3	30-130			
Acenaphthene	0.12	0.00067	"	0.166	0.000304	72.2	30-130			
Anthracene	0.14	0.00067	"	0.166	0.000334	84.3	30-130			
Benzo(a)anthracene	0.125	0.00067	"	0.166	0.000493	75.3	30-130			
Surrogate: itrobenzene-d5	53.4		"	0.331	1	53.4	29-110			
Surrogate: 2- luorobiphenyl	65.2		"	0.331	2 2	65.2	33-115			
Surrogate: 4-Terphenyl-d14	74.9		"	0.331	21	74.9	33-122			

LCS (LCS-L698580)					Prepared: 08/15/2023 Analyzed: 08/15/2023					
Indeno(1,2,3-cd)pyrene	0.128	0.00067	mg/Kg	0.167		76.6	30-130			
Anthracene	0.142	0.00067	"	0.167		85	30-130			
Benzo(k)fluoranthene	0.1	0.00067	"	0.167		59.8	30-130			
Benzo(b)fluoranthene	0.0754	0.00067	"	0.167		45.1	30-130			
Benzo(a)pyrene	0.141	0.00067	"	0.167		84.4	30-130			
Fluoranthene	0.103	0.00067	"	0.167		61.6	30-130			
Fluorene	0.134	0.00067	"	0.167		80.2	30-130			
Chrysene	0.129	0.00067	"	0.167		77.2	30-130			
Naphthalene	0.116	0.00201	"	0.167		69.4	30-130			
Pyrene	0.0976	0.00067	"	0.167		58.4	30-130			
1-Methylnaphthalene	0.122	0.00201	"	0.167		73	30-130			
2-Methylnaphthalene	0.118	0.00201	"	0.167		70.6	30-130			
Acenaphthene	0.125	0.00067	"	0.167		74.8	30-130			
Benzo(a)anthracene	0.128	0.00067	"	0.167		76.6	30-130			
Surrogate: itrobenzene-d5	59.1		"	0.333		59.1	29-110			
Surrogate: 2- luorobiphenyl	76.5		"	0.333		76.5	33-115			

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

PAH by 8270D SIM - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L698580 - 3550B										
LCS (LCS-L698580)					Prepared: 08/15/2023 Analyzed: 08/15/2023					
Surrogate: 4-Terphenyl-d14	63.3		mg g	0.333		63.3	33-122			
LRB (LRB-L698580)					Prepared: 08/15/2023 Analyzed: 08/15/2023					
Fluorene	ND	0.00067	mg/Kg				-			
Pyrene	ND	0.00067	"				-			
Naphthalene	ND	0.00201	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00201	"				-			
Anthracene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00201	"				-			
Surrogate: 4-Terphenyl-d14	84.3		"	0.333		84.3	33-122			
Surrogate: itrobenzene-d5	65.1		"	0.333		65.1	29-110			
Surrogate: 2- luorobiphenyl	72.6		"	0.333		72.6	33-115			

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

Total Metals by 6020B - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L698722 - 3050B

LCS (LCS-L698722)

Prepared: 08/15/2023 Analyzed: 08/16/2023

Cadmium	0.485	0.25	mg/Kg	0.5		97	80-120			
Barium	4.55	0.25	"	5		91	80-120			
Arsenic	2.4	0.25	"	2.5		96	80-120			

LRB (LRB-L698722)

Prepared: 08/15/2023 Analyzed: 08/16/2023

Arsenic	ND	0.25	mg/Kg				-			
Barium	ND	0.25	"				-			
Cadmium	ND	0.25	"				-			

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

Total Metals by 6020B - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L698721 - 3050B										
MSD (L 93939-MSD-L698721)			Source: Y308264-04		Prepared: 08/15/2023 Analyzed: 08/16/2023					
Arsenic	4.24	0.25	mg/Kg	2.35	3.39	36	75-125	4.6	80	
Barium	108	0.25	"	4.71	153	0	75-125	0.9	80	I
Cadmium	0.51	0.25	"	0.471	0.171	72	75-125	1.3	80	
MS (L 93939-MS-L698721)			Source: Y308264-04		Prepared: 08/15/2023 Analyzed: 08/16/2023					
Arsenic	4.44	0.25	mg/Kg	2.41	3.39	44	75-125			
Barium	107	0.25	"	4.82	153	0	75-125			I
Cadmium	0.517	0.25	"	0.482	0.171	72	75-125			
LCS (LCS-L698721)					Prepared: 08/15/2023 Analyzed: 08/16/2023					
Arsenic	2.39	0.25	mg/Kg	2.5		96	80-120			
Barium	4.41	0.25	"	5		88	80-120			
Cadmium	0.494	0.25	"	0.5		99	80-120			
LRB (LRB-L698721)					Prepared: 08/15/2023 Analyzed: 08/16/2023					
Cadmium	ND	0.25	mg/Kg				-			
Barium	ND	0.25	"				-			
Arsenic	ND	0.25	"				-			

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

Notes and Definitions

U Sample is Non-Detect.

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

J Estimated value. Analyte below reported quantitation limit.

I [Undefined]

C Failure

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

Calculated results may use J-flag data (instead of reported ND) as part of calculation to provide a more accurate result.

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



September 26, 2023

Eagle Environmental Consulting, LLC

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

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

Attached are your analytical results for KMG - REI H 9-33D, REI H 9-32D received by Origins Laboratory, Inc. September 19, 2023. This project is associated with Origins project number Y309401-01.

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 9-33D, REI H 9-32D

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FL-B06@10'	Y309401-01	Soil	September 19, 2023 9:30	09/19/2023 15:51
FL-N04@7'	Y309401-02	Soil	September 19, 2023 8:32	09/19/2023 15:51
FL-E04@7'	Y309401-03	Soil	September 19, 2023 8:34	09/19/2023 15:51
FL-S04@7'	Y309401-04	Soil	September 19, 2023 8:36	09/19/2023 15:51
FL-W04@7'	Y309401-05	Soil	September 19, 2023 8:38	09/19/2023 15:51

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 9-33D, REI H 9-32D

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

ORIGINS
LABORATORY, INC

U309401

www.originslaboratory.com

Impacted

page 1 of 1

Client: Eagle Environmental (ovc)
 Address: 8000 W 44th Ave
Wheat Ridge, CO 80033
 Telephone Number: 303-433-0479
 Email Address: dcoloccia@eagle-environ.com
 Project Manager: D. Coloccia
 Project Name: REI H 9-33D, REI H 9-32D
 Project Number: -
 Samples Collected By: CS

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative			Matrix			Analysis			Sample Instructions	
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa Canister #	Other	As		Pb
FL-B06Q10'	9/19/23	0930	3	X				X				X		
FL-N04Q1'		0932										X		
FL-E04Q1'		0934										X		
FL-S04Q1'		0936										X		
FL-W04Q1'		0938										X		

Temp Received: 2.0

Date Results Needed

Relinquished By: Chris Reilly

Date: 9/19/23

Time: 1551

Received By: EHS

Date: 9/19/23

Time: 1551

Turnaround Time:

Some Day

48 Hr

72 Hr

Standard

Origins Laboratory, Inc.

J. Bynon

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.

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

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

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4309401

Client: Eagle

Client Project ID: REI H 9-33D, REI H 9-32D

Checklist Completed by: EHS (AN)

Shipped Via: HO

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 9/19/12

Airbill #: N/A

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

Cooler Number/Temperature: 1 P16 °C 1 °C 1 °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 ⁽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 analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		/		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	/			
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 (> ¼ 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 subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +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.

[Signature]
 Reviewed by (Project Manager)

9/19/12
 Date/Time Reviewed

Origins Laboratory, Inc.

[Signature]

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.

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

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

FL-B06@10'
 9/19/2023 9:30:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y309401-01 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B311942	e	09/19/2023	09/19/2023	U
2-Methylnaphthalene	ND	0.002	"	"	"	e	"	"	U
Acenaphthene	ND	0.020	"	"	"	e	"	"	U
Anthracene	ND	0.020	"	"	"	e	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	e	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	e	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	e	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	e	"	"	U
Chrysene	ND	0.020	"	"	"	e	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	e	"	"	U
Fluoranthene	ND	0.020	"	"	"	e	"	"	U
Fluorene	ND	0.020	"	"	"	e	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	e	"	"	U
Naphthalene	ND	0.002	"	"	"	e	"	"	U
Pyrene	ND	0.020	"	"	"	e	"	"	U

Surrogate: luorene-d10	97.9 %	60-130	"	"	"
Surrogate: nthracene-d10	108 %	60-130	"	"	"
Surrogate: Benzo a pyrene-d12	101 %	60-130	"	"	"
Surrogate: yrene-d10	88.3 %	60-130	"	"	"

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.

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

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

FL-B06@10'
9/19/2023 9:30:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y309401-01 (Soil)

pH in Soil by 9045D

pH	8.42		pH Units	1	B3I2032	HJD	09/20/2023	09/20/2023	
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Table 915 metals by EPA 6020B

Arsenic	6.17	0.0869	mg/kg	10	B3I1946	C H	09/19/2023	09/21/2023	
Barium	208	8.69	"	"	"	C H	"	09/21/2023	
Cadmium	0.203	0.0869	"	"	"	C H	"	09/21/2023	
Selenium	0.172	0.0869	"	"	"	C H	"	09/21/2023	

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 9-33D, REI H 9-32D

FL-N04@7'

9/19/2023 8:32:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y309401-02 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B311942	e	09/19/2023	09/19/2023	U
2-Methylnaphthalene	ND	0.002	"	"	"	e	"	"	U
Acenaphthene	ND	0.020	"	"	"	e	"	"	U
Anthracene	ND	0.020	"	"	"	e	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	e	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	e	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	e	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	e	"	"	U
Chrysene	ND	0.020	"	"	"	e	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	e	"	"	U
Fluoranthene	ND	0.020	"	"	"	e	"	"	U
Fluorene	ND	0.020	"	"	"	e	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	e	"	"	U
Naphthalene	ND	0.002	"	"	"	e	"	"	U
Pyrene	ND	0.020	"	"	"	e	"	"	U

Surrogate: luorene-d10	100 %	60-130	"	"	"
Surrogate: nthracene-d10	101 %	60-130	"	"	"
Surrogate: Benzo a pyrene-d12	101 %	60-130	"	"	"
Surrogate: yrene-d10	80.0 %	60-130	"	"	"

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 9-33D, REI H 9-32D

FL-N04@7'

9/19/2023 8:32:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y309401-02 (Soil)

pH in Soil by 9045D

pH	8.32		pH Units	1	B3I2032	HJD	09/20/2023	09/20/2023	
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Table 915 metals by EPA 6020B

Arsenic	5.87	0.0996	mg/kg	10	B3I1946	C H	09/19/2023	09/21/2023	
Barium	311	9.96	"	"	"	C H	"	09/21/2023	
Cadmium	0.192	0.0996	"	"	"	C H	"	09/21/2023	
Selenium	0.155	0.0996	"	"	"	C H	"	09/21/2023	

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 9-33D, REI H 9-32D

FL-E04@7'

9/19/2023 8:34:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y309401-03 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B311942	e	09/19/2023	09/19/2023	U
2-Methylnaphthalene	ND	0.002	"	"	"	e	"	"	U
Acenaphthene	ND	0.020	"	"	"	e	"	"	U
Anthracene	ND	0.020	"	"	"	e	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	e	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	e	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	e	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	e	"	"	U
Chrysene	ND	0.020	"	"	"	e	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	e	"	"	U
Fluoranthene	ND	0.020	"	"	"	e	"	"	U
Fluorene	ND	0.020	"	"	"	e	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	e	"	"	U
Naphthalene	ND	0.002	"	"	"	e	"	"	U
Pyrene	ND	0.020	"	"	"	e	"	"	U

Surrogate: luorene-d10	131 %	60-130	"	"	"	"	"	"	S-07
Surrogate: nthracene-d10	104 %	60-130	"	"	"	"	"	"	"
Surrogate: Benzo a pyrene-d12	102 %	60-130	"	"	"	"	"	"	"
Surrogate: yrene-d10	99.1 %	60-130	"	"	"	"	"	"	"

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 9-33D, REI H 9-32D

FL-E04@7'

9/19/2023 8:34:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y309401-03 (Soil)

pH in Soil by 9045D

pH	8.22		pH Units	1	B3I2032	HJD	09/20/2023	09/20/2023	
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Table 915 metals by EPA 6020B

Arsenic	7.14	0.0939	mg/kg	10	B3I1946	C H	09/19/2023	09/21/2023	
Barium	762	9.39	"	"	"	C H	"	09/21/2023	
Cadmium	0.200	0.0939	"	"	"	C H	"	09/21/2023	
Selenium	0.168	0.0939	"	"	"	C H	"	09/21/2023	

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 9-33D, REI H 9-32D

FL-S04@7'

9/19/2023 8:36:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y309401-04 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B311942	e	09/19/2023	09/19/2023	U
2-Methylnaphthalene	ND	0.002	"	"	"	e	"	"	U
Acenaphthene	ND	0.020	"	"	"	e	"	"	U
Anthracene	ND	0.020	"	"	"	e	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	e	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	e	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	e	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	e	"	"	U
Chrysene	ND	0.020	"	"	"	e	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	e	"	"	U
Fluoranthene	ND	0.020	"	"	"	e	"	"	U
Fluorene	ND	0.020	"	"	"	e	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	e	"	"	U
Naphthalene	ND	0.002	"	"	"	e	"	"	U
Pyrene	ND	0.020	"	"	"	e	"	"	U

Surrogate: luorene-d10	109 %	60-130			"	"	"
Surrogate: nthracene-d10	120 %	60-130			"	"	"
Surrogate: Benzo a pyrene-d12	104 %	60-130			"	"	"
Surrogate: yrene-d10	66.6 %	60-130			"	"	"

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 9-33D, REI H 9-32D

FL-S04@7'

9/19/2023 8:36:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y309401-04 (Soil)

pH in Soil by 9045D

pH	8.12		pH Units	1	B3I2032	HJD	09/20/2023	09/20/2023	
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Table 915 metals by EPA 6020B

Arsenic	5.26	0.0988	mg/kg	10	B3I1946	C H	09/19/2023	09/21/2023	
Barium	98.5	9.88	"	"	"	C H	"	09/21/2023	
Cadmium	0.162	0.0988	"	"	"	C H	"	09/21/2023	
Selenium	0.125	0.0988	"	"	"	C H	"	09/21/2023	

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 9-33D, REI H 9-32D

FL-W04@7'

9/19/2023 8:38:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y309401-05 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B311942	e	09/19/2023	09/19/2023	U
2-Methylnaphthalene	ND	0.002	"	"	"	e	"	"	U
Acenaphthene	ND	0.020	"	"	"	e	"	"	U
Anthracene	ND	0.020	"	"	"	e	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	e	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	e	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	e	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	e	"	"	U
Chrysene	ND	0.020	"	"	"	e	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	e	"	"	U
Fluoranthene	ND	0.020	"	"	"	e	"	"	U
Fluorene	ND	0.020	"	"	"	e	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	e	"	"	U
Naphthalene	ND	0.002	"	"	"	e	"	"	U
Pyrene	ND	0.020	"	"	"	e	"	"	U

Surrogate: luorene-d10	108 %	60-130	"	"	"
Surrogate: nthracene-d10	109 %	60-130	"	"	"
Surrogate: Benzo a pyrene-d12	102 %	60-130	"	"	"
Surrogate: yrene-d10	112 %	60-130	"	"	"

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 9-33D, REI H 9-32D

FL-W04@7'

9/19/2023 8:38:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y309401-05 (Soil)

pH in Soil by 9045D

pH	8.32		pH Units	1	B3I2032	HJD	09/20/2023	09/20/2023	
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Table 915 metals by EPA 6020B

Arsenic	4.77	0.0945	mg/kg	10	B3I1946	C H	09/19/2023	09/21/2023	
Barium	168	9.45	"	"	"	C H	"	09/21/2023	
Cadmium	0.211	0.0945	"	"	"	C H	"	09/21/2023	
Selenium	0.148	0.0945	"	"	"	C H	"	09/21/2023	

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 9-33D, REI H 9-32D

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 B311946 - EPA 3050B

Blank (B311946-BLK1)

Prepared: 09/19/2023 Analyzed: 09/21/2023

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

LCS (B311946-BS1)

Prepared: 09/19/2023 Analyzed: 09/21/2023

Arsenic	0.0443	0.000100	mg/kg	0.0500		88.6	80-120			
Barium	4.98	0.0100	"	5.00		99.6	80-120			
Cadmium	0.0456	0.000100	"	0.0500		91.3	80-120			
Copper	0.462	0.0100	"	0.500		92.4	80-120			
Lead	0.0515	0.0100	"	0.0500		103	80-120			
Nickel	0.0410	0.0100	"	0.0500		81.9	80-120			
Selenium	0.0491	0.000100	"	0.0500		98.2	80-120			
Silver	0.0462	0.000100	"	0.0500		92.4	80-120			
inc	0.402	0.100	"	0.500		80.4	80-120			

Matrix Spike (B311946-MS1)

Source: Y309401-01

Prepared: 09/19/2023 Analyzed: 09/21/2023

Arsenic	9.85	0.0872	mg/kg	4.36	6.17	84.3	75-125			
Barium	569	8.72	"	436	208	82.8	75-125			
Cadmium	4.08	0.0872	"	4.36	0.203	88.9	75-125			
Copper	45.3	8.72	"	43.6	10.4	80.1	75-125			
Lead	13.2	8.72	"	4.36	9.60	82.8	75-125			

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.

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

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

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
Batch B311946 - EPA 3050B										
Matrix Spike (B311946-MS1)			Source: Y309401-01			Prepared: 09/19/2023 Analyzed: 09/21/2023				
Nickel	13.1	8.72	mg/kg	4.36	10.3	63.8	75-125			M-07
Selenium	4.54	0.0872	"	4.36	0.172	100	75-125			
Silver	3.39	0.0872	"	4.36	0.0130	77.5	75-125			
inc	70.1	87.2	"	43.6	36.7	76.5	75-125			
Matrix Spike Dup (B311946-MSD1)			Source: Y309401-01			Prepared: 09/19/2023 Analyzed: 09/21/2023				
Arsenic	9.86	0.0880	mg/kg	4.40	6.17	83.8	75-125	0.110	20	
Barium	515	8.80	"	440	208	69.8	75-125	9.92	20	M-07
Cadmium	4.20	0.0880	"	4.40	0.203	90.8	75-125	3.01	20	
Copper	44.9	8.80	"	44.0	10.4	78.4	75-125	0.943	20	
Lead	13.2	8.80	"	4.40	9.60	82.4	75-125	0.157	20	
Nickel	12.8	8.80	"	4.40	10.3	57.7	75-125	1.86	20	M-07
Selenium	4.31	0.0880	"	4.40	0.172	94.1	75-125	5.10	20	
Silver	3.44	0.0880	"	4.40	0.0130	77.8	75-125	1.36	20	
inc	68.7	88.0	"	44.0	36.7	72.7	75-125	1.92	20	M-07

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.

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

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

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 B311942 - EPA 3580

Blank (B311942-BLK1)

Prepared: 09/19/2023 Analyzed: 09/19/2023

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: luorene-d10	190		ug g	200		96.5	60-130			
Surrogate: nthracene-d10	210		"	200		106	60-130			
Surrogate: Benzo a pyrene-d12	210		"	200		103	60-130			
Surrogate: yrene-d10	200		"	200		102	60-130			

LCS (B311942-BS1)

Prepared: 09/19/2023 Analyzed: 09/19/2023

1-Methylnaphthalene	0.199	0.002	mg/kg	0.200		99.7	70-130			
2-Methylnaphthalene	0.196	0.002	"	0.200		98.2	70-130			
Acenaphthene	0.191	0.020	"	0.200		95.4	70-130			
Anthracene	0.200	0.020	"	0.200		100	70-130			

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.

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

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

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 B311942 - EPA 3580

LCS (B311942-BS1)

Prepared: 09/19/2023 Analyzed: 09/19/2023

Benzo (a) anthracene	0.182	0.005	mg/kg	0.200		90.9	70-130			
Benzo (a) pyrene	0.190	0.020	"	0.200		95.2	70-130			
Benzo (b) fluoranthene	0.224	0.020	"	0.200		112	70-130			
Benzo (g,h,i) perylene	0.210	0.020	"	0.200		105	70-130			
Benzo (k) fluoranthene	0.229	0.020	"	0.200		115	70-130			
Chrysene	0.173	0.020	"	0.200		86.4	70-130			
Dibenz (a,h) anthracene	0.228	0.020	"	0.200		114	70-130			
Fluoranthene	0.197	0.020	"	0.200		98.4	70-130			
Fluorene	0.185	0.020	"	0.200		92.7	70-130			
Indeno (1,2,3-cd) pyrene	0.205	0.020	"	0.200		103	70-130			
Naphthalene	0.197	0.002	"	0.200		98.6	70-130			
Phenanthrene	0.192	0.020	"	0.200		96.2	70-130			
Pyrene	0.161	0.020	"	0.200		80.6	70-130			
Surrogate: luorene-d10	190		ug g	200		94.9	60-130			
Surrogate: nthracene-d10	200		"	200		97.8	60-130			
Surrogate: Benzo a pyrene-d12	200		"	200		99.3	60-130			
Surrogate: yrene-d10	200		"	200		98.6	60-130			

Matrix Spike (B311942-MS1)

Source: Y309401-01

Prepared: 09/19/2023 Analyzed: 09/19/2023

1-Methylnaphthalene	0.194	0.002	mg/kg	0.200	0.0004	96.6	70-130			
2-Methylnaphthalene	0.191	0.002	"	0.200	ND	95.7	70-130			
Acenaphthene	0.194	0.020	"	0.200	ND	97.0	70-130			
Anthracene	0.199	0.020	"	0.200	0.001	99.1	70-130			
Benzo (a) anthracene	0.177	0.005	"	0.200	0.0005	88.4	70-130			
Benzo (a) pyrene	0.160	0.020	"	0.200	0.002	78.8	70-130			
Benzo (b) fluoranthene	0.162	0.020	"	0.200	0.001	80.6	70-130			
Benzo (g,h,i) perylene	0.194	0.020	"	0.200	ND	96.8	70-130			

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 9-33D, REI H 9-32D

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 B3I1942 - EPA 3580

Matrix Spike (B3I1942-MS1)		Source: Y309401-01			Prepared: 09/19/2023 Analyzed: 09/19/2023					
Benzo (k) fluoranthene	0.191	0.020	mg/kg	0.200	ND	95.5	70-130			
Chrysene	0.169	0.020	"	0.200	0.0004	84.1	70-130			
Dibenz (a,h) anthracene	0.161	0.020	"	0.200	0.002	79.5	70-130			
Fluoranthene	0.204	0.020	"	0.200	ND	102	70-130			
Fluorene	0.210	0.020	"	0.200	ND	105	70-130			
Indeno (1,2,3-cd) pyrene	0.149	0.020	"	0.200	0.002	73.7	70-130			
Naphthalene	0.200	0.002	"	0.200	ND	100	70-130			
Phenanthrene	0.212	0.020	"	0.200	ND	106	70-130			
Pyrene	0.154	0.020	"	0.200	ND	77.1	70-130			
Surrogate: luorene-d10	220		ug g	200		108	60-130			
Surrogate: nthracene-d10	230		"	200		113	60-130			
Surrogate: Benzo a pyrene-d12	210		"	200		103	60-130			
Surrogate: yrene-d10	160		"	200		81.5	60-130			

Matrix Spike Dup (B3I1942-MSD1)		Source: Y309401-01			Prepared: 09/19/2023 Analyzed: 09/19/2023					
1-Methylnaphthalene	0.186	0.002	mg/kg	0.200	0.0004	93.0	70-130	3.82	20	
2-Methylnaphthalene	0.181	0.002	"	0.200	ND	90.3	70-130	5.73	20	
Acenaphthene	0.188	0.020	"	0.200	ND	94.2	70-130	3.03	20	
Anthracene	0.229	0.020	"	0.200	0.001	114	70-130	13.8	20	
Benzo (a) anthracene	0.198	0.005	"	0.200	0.0005	98.7	70-130	11.0	20	
Benzo (a) pyrene	0.182	0.020	"	0.200	0.002	90.0	70-130	13.1	20	
Benzo (b) fluoranthene	0.207	0.020	"	0.200	0.001	103	70-130	24.4	20	R-02
Benzo (g,h,i) perylene	0.169	0.020	"	0.200	ND	84.6	70-130	13.3	20	
Benzo (k) fluoranthene	0.224	0.020	"	0.200	ND	112	70-130	15.7	20	
Chrysene	0.197	0.020	"	0.200	0.0004	98.2	70-130	15.5	20	
Dibenz (a,h) anthracene	0.190	0.020	"	0.200	0.002	93.9	70-130	16.4	20	
Fluoranthene	0.236	0.020	"	0.200	ND	118	70-130	14.8	20	

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 9-33D, REI H 9-32D

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 B311942 - EPA 3580

Matrix Spike Dup (B311942-MSD1)	Source: Y309401-01			Prepared: 09/19/2023 Analyzed: 09/19/2023						
Fluorene	0.186	0.020	mg/kg	0.200	ND	92.9	70-130	12.4	20	
Indeno (1,2,3-cd) pyrene	0.212	0.020	"	0.200	0.002	105	70-130	34.6	20	R-02
Naphthalene	0.205	0.002	"	0.200	ND	102	70-130	2.32	20	
Phenanthrene	0.199	0.020	"	0.200	ND	99.6	70-130	6.16	20	
Pyrene	0.204	0.020	"	0.200	ND	102	70-130	28.0	20	R-02
Surrogate: luorene-d10	210		ug g	200		104	60-130			
Surrogate: nthracene-d10	220		"	200		110	60-130			
Surrogate: Benzo a pyrene-d12	210		"	200		103	60-130			
Surrogate: yrene-d10	210		"	200		106	60-130			

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 9-33D, REI H 9-32D

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 B3I2032 - Saturated Paste pH/EC

Duplicate (B3I2032-DUP1)

Source: Y309341-01

Prepared: 09/20/2023 Analyzed: 09/20/2023

pH	7.86		pH Units		7.94			1.01	25	
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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 9-33D, REI H 9-32D

Notes and Definitions

- U Sample is Non-Detect.
- S-07 High surrogate in sample, however sample is non-detect. High surrogate indicates result values are biased high.
- R-02 The RPD result exceeded the C control limits; however, both percent recoveries were acceptable. Sample results for the C batch were accepted based on percent recoveries and completeness of C data.
- M-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.



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.



November 08, 2023

Eagle Environmental Consulting, LLC

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - REI H 9-33D,32D

Project Number - [none]

Attached are your analytical results for KMG - REI H 9-33D,32D received by Origins Laboratory, Inc. November 01, 2023. This project is associated with Origins project number Y311006-01.

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 9-33D,32D

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FL-B06@12'	Y311006-01	Soil	November 1, 2023 9:34	11/01/2023 14:45
FL-N05@10'	Y311006-02	Soil	November 1, 2023 9:30	11/01/2023 14:45
FL-E05@10'	Y311006-03	Soil	November 1, 2023 9:32	11/01/2023 14:45

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.

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

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

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4311006

Client: Eagle

Client Project ID: REI H 932 D

Checklist Completed by: JTI/MS

Shipped Via: HD

Date/time completed: 10/1/23

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Airbill #: N/A

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

Cooler Number/Temperature: 16.5 °C / _____ °C / _____ °C (Describe) _____ °C

Thermometer ID: TC04

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?		/		SD
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 analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		/		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	/			
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 (> ¼ 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 subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +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) [Signature]

Date/Time Reviewed 11/1/23

Origins Laboratory, Inc.

[Signature]

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.

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

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

FL-B06@12'
11/1/2023 9:34:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y311006-01 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B3K0131	Windo	11/01/2023	11/01/2023	U
2-Methylnaphthalene	ND	0.002	"	"	"	Windo	"	"	U
Acenaphthene	ND	0.020	"	"	"	Windo	"	"	U
Anthracene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	Windo	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Chrysene	ND	0.020	"	"	"	Windo	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	Windo	"	"	U
Fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Fluorene	ND	0.020	"	"	"	Windo	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	Windo	"	"	U
Naphthalene	ND	0.002	"	"	"	Windo	"	"	U
Pyrene	ND	0.020	"	"	"	Windo	"	"	U

Surrogate: Fluorene-d10	96.7 %	60-130			"	"	"
Surrogate: Anthracene-d10	106 %	60-130			"	"	"
Surrogate: Pyrene-d10	95.1 %	60-130			"	"	"
Surrogate: Benzo (a) pyrene-d12	99.6 %	60-130			"	"	"

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.

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

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

FL-B06@12'

11/1/2023 9:34:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y311006-01 (Soil)

pH in Soil by 9045D

pH	8.03		pH Units	1	B3K0317	HJD	11/03/2023	11/04/2023	
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Table 915 metals by EPA 6020B

Arsenic	4.64	0.0949	mg/kg	10	B3K0125	CIH	11/01/2023	11/02/2023	
Barium	151	9.49	"	"	"	CIH	"	"	
Cadmium	0.132	0.0949	"	"	"	CIH	"	"	
Selenium	0.0949	0.0949	"	"	"	CIH	"	"	

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.

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

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

FL-N05@10'
11/1/2023 9:30:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y311006-02 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B3K0131	Windo	11/01/2023	11/01/2023	U
2-Methylnaphthalene	ND	0.002	"	"	"	Windo	"	"	U
Acenaphthene	ND	0.020	"	"	"	Windo	"	"	U
Anthracene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	Windo	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Chrysene	ND	0.020	"	"	"	Windo	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	Windo	"	"	U
Fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Fluorene	ND	0.020	"	"	"	Windo	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	Windo	"	"	U
Naphthalene	ND	0.002	"	"	"	Windo	"	"	U
Pyrene	ND	0.020	"	"	"	Windo	"	"	U

Surrogate: Fluorene-d10	97.2 %	60-130			"	"	"
Surrogate: Anthracene-d10	107 %	60-130			"	"	"
Surrogate: Pyrene-d10	85.0 %	60-130			"	"	"
Surrogate: Benzo (a) pyrene-d12	97.0 %	60-130			"	"	"

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.

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

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

FL-N05@10'
11/1/2023 9:30:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y311006-02 (Soil)

pH in Soil by 9045D

pH	8.27		pH Units	1	B3K0317	HJD	11/03/2023	11/04/2023	
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Table 915 metals by EPA 6020B

Arsenic	5.99	0.0944	mg/kg	10	B3K0125	CIH	11/01/2023	11/02/2023	
Barium	134	9.44	"	"	"	CIH	"	"	
Cadmium	0.149	0.0944	"	"	"	CIH	"	"	
Selenium	0.111	0.0944	"	"	"	CIH	"	"	

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 9-33D,32D

FL-E05@10'
11/1/2023 9:32:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y311006-03 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B3K0131	Windo	11/01/2023	11/01/2023	U
2-Methylnaphthalene	ND	0.002	"	"	"	Windo	"	"	U
Acenaphthene	ND	0.020	"	"	"	Windo	"	"	U
Anthracene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	Windo	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Chrysene	ND	0.020	"	"	"	Windo	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	Windo	"	"	U
Fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Fluorene	ND	0.020	"	"	"	Windo	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	Windo	"	"	U
Naphthalene	ND	0.002	"	"	"	Windo	"	"	U
Pyrene	ND	0.020	"	"	"	Windo	"	"	U

Surrogate: Fluorene-d10	97.7 %	60-130			"	"	"	"
Surrogate: Anthracene-d10	101 %	60-130			"	"	"	"
Surrogate: Pyrene-d10	97.1 %	60-130			"	"	"	"
Surrogate: Benzo (a) pyrene-d12	95.6 %	60-130			"	"	"	"

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 9-33D,32D

FL-E05@10'

11/1/2023 9:32:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y311006-03 (Soil)

pH in Soil by 9045D

pH	8.05		pH Units	1	B3K0317	HJD	11/03/2023	11/04/2023	
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Table 915 metals by EPA 6020B

Arsenic	6.09	0.0873	mg/kg	10	B3K0125	CIH	11/01/2023	11/02/2023	
Barium	146	8.73	"	"	"	CIH	"	"	
Cadmium	0.167	0.0873	"	"	"	CIH	"	"	
Selenium	0.127	0.0873	"	"	"	CIH	"	"	

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 9-33D,32D

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 B3K0125 - EPA 3050B

Blank (B3K0125-BLK1)

Prepared: 11/01/2023 Analyzed: 11/02/2023

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

LCS (B3K0125-BS1)

Prepared: 11/01/2023 Analyzed: 11/02/2023

Arsenic	0.0469	0.000100	mg/kg	0.0500	93.8	80-120
Barium	4.88	0.0100	"	5.00	97.6	80-120
Cadmium	0.0487	0.000100	"	0.0500	97.5	80-120
Copper	0.501	0.0100	"	0.500	100	80-120
Lead	0.0482	0.0100	"	0.0500	96.3	80-120
Nickel	0.0503	0.0100	"	0.0500	101	80-120
Selenium	0.0488	0.000100	"	0.0500	97.7	80-120
Silver	0.0508	0.000100	"	0.0500	102	80-120
Zinc	0.474	0.100	"	0.500	94.8	80-120

Matrix Spike (B3K0125-MS1)

Source: Y311005-01

Prepared: 11/01/2023 Analyzed: 11/02/2023

Arsenic	6.08	0.0909	mg/kg	4.55	1.37	104	75-125
Barium	527	9.09	"	455	48.4	105	75-125
Cadmium	4.91	0.0909	"	4.55	0.0489	107	75-125
Copper	52.7	9.09	"	45.5	2.63	110	75-125
Lead	8.79	9.09	"	4.55	3.42	118	75-125

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 9-33D,32D

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 B3K0125 - EPA 3050B

Matrix Spike (B3K0125-MS1)		Source: Y311005-01			Prepared: 11/01/2023 Analyzed: 11/02/2023					
Nickel	8.84	9.09	mg/kg	4.55	3.37	120	75-125			
Selenium	4.71	0.0909	"	4.55	0.0593	102	75-125			
Silver	5.14	0.0909	"	4.55	0.0132	113	75-125			
Zinc	63.3	90.9	"	45.5	14.0	108	75-125			
Matrix Spike Dup (B3K0125-MSD1)		Source: Y311005-01			Prepared: 11/01/2023 Analyzed: 11/02/2023					
Arsenic	6.31	0.0957	mg/kg	4.79	1.37	103	75-125	3.66	20	
Barium	574	9.57	"	479	48.4	110	75-125	8.67	20	
Cadmium	5.23	0.0957	"	4.79	0.0489	108	75-125	6.31	20	
Copper	55.8	9.57	"	47.9	2.63	111	75-125	5.72	20	
Lead	9.08	9.57	"	4.79	3.42	118	75-125	3.29	20	
Nickel	9.09	9.57	"	4.79	3.37	119	75-125	2.80	20	
Selenium	4.69	0.0957	"	4.79	0.0593	96.8	75-125	0.367	20	
Silver	5.40	0.0957	"	4.79	0.0132	112	75-125	4.87	20	
Zinc	66.1	95.7	"	47.9	14.0	109	75-125	4.29	20	

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 9-33D,32D

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 B3K0131 - EPA 3580

Blank (B3K0131-BLK1)

Prepared: 11/01/2023 Analyzed: 11/01/2023

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	200		ug/kg	200	98.1	60-130
Surrogate: Anthracene-d10	210		"	200	103	60-130
Surrogate: Pyrene-d10	200		"	200	102	60-130
Surrogate: Benzo (a) pyrene-d12	200		"	200	100	60-130

LCS (B3K0131-BS1)

Prepared: 11/01/2023 Analyzed: 11/01/2023

1-Methylnaphthalene	0.193	0.002	mg/kg	0.200	96.4	70-130
2-Methylnaphthalene	0.193	0.002	"	0.200	96.7	70-130
Acenaphthene	0.193	0.020	"	0.200	96.3	70-130
Anthracene	0.182	0.020	"	0.200	91.2	70-130

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 9-33D,32D

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 B3K0131 - EPA 3580

LCS (B3K0131-BS1)

Prepared: 11/01/2023 Analyzed: 11/01/2023

Benzo (a) anthracene	0.170	0.005	mg/kg	0.200		85.0	70-130			
Benzo (a) pyrene	0.203	0.020	"	0.200		101	70-130			
Benzo (b) fluoranthene	0.186	0.020	"	0.200		92.8	70-130			
Benzo (g,h,i) perylene	0.213	0.020	"	0.200		107	70-130			
Benzo (k) fluoranthene	0.214	0.020	"	0.200		107	70-130			
Chrysene	0.182	0.020	"	0.200		91.0	70-130			
Dibenz (a,h) anthracene	0.210	0.020	"	0.200		105	70-130			
Fluoranthene	0.176	0.020	"	0.200		88.1	70-130			
Fluorene	0.190	0.020	"	0.200		95.0	70-130			
Indeno (1,2,3-cd) pyrene	0.232	0.020	"	0.200		116	70-130			
Naphthalene	0.193	0.002	"	0.200		96.6	70-130			
Phenanthrene	0.191	0.020	"	0.200		95.3	70-130			
Pyrene	0.186	0.020	"	0.200		93.1	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		97.5	60-130			
Surrogate: Anthracene-d10	200		"	200		100	60-130			
Surrogate: Pyrene-d10	180		"	200		92.5	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		99.2	60-130			

Matrix Spike (B3K0131-MS1)

Source: Y311001-01

Prepared: 11/01/2023 Analyzed: 11/01/2023

1-Methylnaphthalene	0.194	0.002	mg/kg	0.200	ND	96.8	70-130			
2-Methylnaphthalene	0.194	0.002	"	0.200	ND	97.1	70-130			
Acenaphthene	0.196	0.020	"	0.200	ND	98.0	70-130			
Anthracene	0.172	0.020	"	0.200	ND	85.9	70-130			
Benzo (a) anthracene	0.171	0.005	"	0.200	ND	85.3	70-130			
Benzo (a) pyrene	0.209	0.020	"	0.200	ND	104	70-130			
Benzo (b) fluoranthene	0.195	0.020	"	0.200	ND	97.7	70-130			
Benzo (g,h,i) perylene	0.215	0.020	"	0.200	ND	107	70-130			

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 9-33D,32D

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 B3K0131 - EPA 3580

Matrix Spike (B3K0131-MS1)		Source: Y311001-01			Prepared: 11/01/2023 Analyzed: 11/01/2023					
Benzo (k) fluoranthene	0.188	0.020	mg/kg	0.200	ND	94.1	70-130			
Chrysene	0.203	0.020	"	0.200	ND	101	70-130			
Dibenz (a,h) anthracene	0.213	0.020	"	0.200	ND	107	70-130			
Fluoranthene	0.181	0.020	"	0.200	ND	90.6	70-130			
Fluorene	0.195	0.020	"	0.200	ND	97.6	70-130			
Indeno (1,2,3-cd) pyrene	0.234	0.020	"	0.200	ND	117	70-130			
Naphthalene	0.201	0.002	"	0.200	ND	101	70-130			
Phenanthrene	0.192	0.020	"	0.200	ND	95.9	70-130			
Pyrene	0.194	0.020	"	0.200	ND	96.9	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		98.7	60-130			
Surrogate: Anthracene-d10	200		"	200		100	60-130			
Surrogate: Pyrene-d10	190		"	200		94.2	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		101	60-130			

Matrix Spike Dup (B3K0131-MSD1)		Source: Y311001-01			Prepared: 11/01/2023 Analyzed: 11/01/2023					
1-Methylnaphthalene	0.204	0.002	mg/kg	0.200	ND	102	70-130	5.36	20	
2-Methylnaphthalene	0.192	0.002	"	0.200	ND	95.8	70-130	1.25	20	
Acenaphthene	0.191	0.020	"	0.200	ND	95.4	70-130	2.73	20	
Anthracene	0.174	0.020	"	0.200	ND	86.9	70-130	1.16	20	
Benzo (a) anthracene	0.168	0.005	"	0.200	ND	83.9	70-130	1.65	20	
Benzo (a) pyrene	0.205	0.020	"	0.200	ND	102	70-130	1.95	20	
Benzo (b) fluoranthene	0.178	0.020	"	0.200	ND	88.8	70-130	9.54	20	
Benzo (g,h,i) perylene	0.209	0.020	"	0.200	ND	104	70-130	2.83	20	
Benzo (k) fluoranthene	0.191	0.020	"	0.200	ND	95.3	70-130	1.26	20	
Chrysene	0.191	0.020	"	0.200	ND	95.5	70-130	5.91	20	
Dibenz (a,h) anthracene	0.212	0.020	"	0.200	ND	106	70-130	0.273	20	
Fluoranthene	0.187	0.020	"	0.200	ND	93.6	70-130	3.30	20	

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 9-33D,32D

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 B3K0131 - EPA 3580

Matrix Spike Dup (B3K0131-MSD1)	Source: Y311001-01			Prepared: 11/01/2023 Analyzed: 11/01/2023						
Fluorene	0.189	0.020	mg/kg	0.200	ND	94.7	70-130	3.00	20	
Indeno (1,2,3-cd) pyrene	0.233	0.020	"	0.200	ND	116	70-130	0.326	20	
Naphthalene	0.192	0.002	"	0.200	ND	95.9	70-130	4.88	20	
Phenanthrene	0.191	0.020	"	0.200	ND	95.7	70-130	0.216	20	
Pyrene	0.186	0.020	"	0.200	ND	93.0	70-130	4.17	20	
Surrogate: Fluorene-d10	200		ug/kg	200		98.6	60-130			
Surrogate: Anthracene-d10	210		"	200		103	60-130			
Surrogate: Pyrene-d10	190		"	200		94.9	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		103	60-130			

Origins Laboratory, Inc.



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 8000 W 44th Ave
 Wheat Ridge CO 80033

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

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 B3K0317 - Saturated Paste pH/EC

Duplicate (B3K0317-DUP1)

Source: Y311006-01

Prepared: 11/03/2023 Analyzed: 11/04/2023

pH	8.09		pH Units		8.03			0.744	25	
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Origins Laboratory, Inc.



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8000 W 44th Ave
Wheat Ridge CO 80033

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

Notes and Definitions

U Sample is Non-Detect.

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.



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



June 19, 2023

Eagle Environmental Consulting, LLC

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - REI H 9-33D

Project Number - [none]

Attached are your analytical results for KMG - REI H 9-33D received by Origins Laboratory, Inc. June 07, 2023. This project is associated with Origins project number Y306179-01.

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 9-33D

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FL-B03@4'	Y306179-01	Soil	June 7, 2023 13:28	06/07/2023 17:30
FL-B06@4'	Y306179-02	Soil	June 7, 2023 14:20	06/07/2023 17:30
FL-B07@4'	Y306179-03	Soil	June 7, 2023 15:17	06/07/2023 17:30
FL-B08@4'	Y306179-04	Soil	June 7, 2023 15:52	06/07/2023 17:30

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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.

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

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

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4300179

Client: Eagle Environmental

Client Project ID: REI H 9-33D

Checklist Completed by: SHS

Shipped Via: Hand Delivered

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 6/7/23

Airbill #: N/A

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

Cooler Number/Temperature: 1, 45 °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 ⁽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 analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		/		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	/			
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 (> ¼ 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 subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +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.

[Signature]
 Reviewed by (Project Manager)

6/7/23
 Date/Time Reviewed

Origins Laboratory, Inc.

[Signature]

Jen Pellegrini For Jordan A. Bynon, Project Manager

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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 9-33D

FL-B03@4'

6/7/2023 1:28:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y306179-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.166		0.101	mg/L	1	B3F0813	06/08/2023	06/09/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B3F0728	06/07/2023	06/08/2023	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	73.4 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.0102		0.00200	mg/kg	1	B3F0731	06/07/2023	06/07/2023	
1,3,5-Trimethylbenzene	0.00454		0.00200	"	"	"	"	"	
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Naphthalene	0.0107		0.00380	"	"	"	"	"	
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	0.353		0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	93.2 %		70-130			"	"	"	
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Origins Laboratory, Inc.



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Jen Pellegrini For 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 9-33D

FL-B03@4'

6/7/2023 1:28:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y306179-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	98.3 %		70-130					06 07 2023	
Surrogate: 4-Bromofluorobenzene	87.8 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.25		0.499	meq/L	10	[CALC]	06/08/2023	06/09/2023	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	0.00411	0.00109	0.00201	mg/Kg	1	L687261	06/13/2023	06/13/2023	
2-Methylnaphthalene	0.0048	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	0.0421	0.000304	0.00067	"	"	"	"	"	
Anthracene	0.128	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	0.171	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	0.123	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	0.143	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	0.0624	0.000437	0.00067	"	"	"	"	"	
Chrysene	0.192	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	0.031	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	0.467	0.000394	0.00067	"	"	"	"	"	
Fluorene	0.076	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	0.075	0.000627	0.00067	"	"	"	"	"	

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 9-33D

FL-B03@4'

6/7/2023 1:28:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y306179-01 (Soil)

PAH by 8270D SIM

Pyrene	0.336	0.000643	0.00067	mg/Kg	1	L687261	06/13/2023	06/13/2023	
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Surrogate: 2- luorobiphenyl	65.1 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	66.7 %		33-122			"	"	"	
Surrogate: itrobenzene-d5	52.9 %		29-110			"	"	"	

pH in Soil by 9045D

pH	8.36			pH Units	1	B3F0826	06/08/2023	06/09/2023	
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SAR by 20B Saturated Paste

SAR	0.244			SAR	1	B3F0822	06/08/2023	06/09/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.242		0.00500	mmhos/cm	1	B3F0826	06/08/2023	06/09/2023	
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Table 915 metals by EPA 6020B

Arsenic	3.43		0.0914	mg/kg	10	B3F0906	06/09/2023	06/09/2023	
Barium	134		9.14	"	"	"	"	"	
Cadmium	0.119		0.0914	"	"	"	"	"	
Copper	ND		9.14	"	"	"	"	"	U

Origins Laboratory, Inc.



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Jen Pellegrini For 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 9-33D

FL-B03@4'

6/7/2023 1:28:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y306179-01 (Soil)

Table 915 metals by EPA 6020B

Lead	13.5		9.14	mg/kg	10	B3F0906	06/09/2023	06/09/2023	
Nickel	ND		9.14	"	"	"	"	"	U
Selenium	ND		0.0914	"	"	"	"	"	U
Silver	ND		0.0914	"	"	"	"	"	U
inc	ND		91.4	"	"	"	"	"	U

Total Metals by 7196A

Chromium, Hexavalent	ND	0.252	0.517	mg/Kg	1	L687705	06/07/2023	06/14/2023	
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Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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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 9-33D

FL-B06@4'

6/7/2023 2:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y306179-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.115		0.101	mg/L	1	B3F0813	06/08/2023	06/09/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B3F0728	06/07/2023	06/08/2023	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	84.2 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B3F0731	06/07/2023	06/07/2023	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Naphthalene	0.0117		0.00380	"	"	"	"	"	
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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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 9-33D

FL-B06@4'

6/7/2023 2:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y306179-02 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	93.0 %		70-130					06 07 2023	
Surrogate: Toluene-d8	98.1 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	88.3 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.79		0.499	meq/L	10	[CALC]	06/08/2023	06/09/2023	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	0.0124	0.00109	0.00201	mg/Kg	1	L687261	06/13/2023	06/13/2023	
2-Methylnaphthalene	0.0216	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	0.112	0.000304	0.00067	"	"	"	"	"	
Anthracene	0.221	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	0.266	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	0.195	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	0.224	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	0.122	0.000437	0.00067	"	"	"	"	"	
Chrysene	0.287	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	0.0418	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	0.958	0.00197	0.00335	"	5	"	"	"	
Fluorene	0.165	0.000286	0.00067	"	1	"	"	"	

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 9-33D

FL-B06@4'

6/7/2023 2:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y306179-02 (Soil)

PAH by 8270D SIM

Indeno(1,2,3-cd)pyrene	0.107	0.000627	0.00067	mg/Kg	1	L687261	06/13/2023	06/13/2023	
Pyrene	0.6	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2- luorobiphenyl	58.9 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	60.4 %		33-122			"	"	"	
Surrogate: itrobenzene-d5	48.6 %		29-110			"	"	"	

pH in Soil by 9045D

pH	8.30			pH Units	1	B3F0826	06/08/2023	06/09/2023	
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SAR by 20B Saturated Paste

SAR	0.103			SAR	1	B3F0822	06/08/2023	06/09/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.259		0.00500	mmhos/cm	1	B3F0826	06/08/2023	06/09/2023	
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Table 915 metals by EPA 6020B

Arsenic	2.22		0.0866	mg/kg	10	B3F0906	06/09/2023	06/09/2023	
Barium	97.2		8.66	"	"	"	"	"	
Cadmium	0.0935		0.0866	"	"	"	"	"	

Origins Laboratory, Inc.



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Jen Pellegrini For 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 9-33D

FL-B06@4'

6/7/2023 2:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y306179-02 (Soil)

Table 915 metals by EPA 6020B

Copper	ND		8.66	mg/kg	10	B3F0906	06/09/2023	06/09/2023	U
Lead	ND		8.66	"	"	"	"	"	U
Nickel	ND		8.66	"	"	"	"	"	U
Selenium	ND		0.0866	"	"	"	"	"	U
Silver	ND		0.0866	"	"	"	"	"	U
inc	ND		86.6	"	"	"	"	"	U

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L687705	06/07/2023	06/14/2023	
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Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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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 9-33D

FL-B07@4'

6/7/2023 3:17:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y306179-03 (Soil)

Boron (DTPA Sorbitol)

Boron	0.137		0.101	mg/L	1	B3F0813	06/08/2023	06/09/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	104		25.0	mg/kg	1	B3F0728	06/07/2023	06/08/2023	
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	90.6 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B3F0731	06/07/2023	06/07/2023	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Naphthalene	0.0112		0.00380	"	"	"	"	"	
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Origins Laboratory, Inc.



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Jen Pellegrini For 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 9-33D

FL-B07@4'

6/7/2023 3:17:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y306179-03 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	97.2 %		70-130					06 07 2023	
Surrogate: Toluene-d8	96.9 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	87.0 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	6.79		0.499	meq/L	10	[CALC]	06/08/2023	06/09/2023	
Magnesium	2.26		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	0.00624	0.00109	0.00201	mg/Kg	1	L687261	06/13/2023	06/13/2023	
2-Methylnaphthalene	0.0106	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	0.0572	0.000304	0.00067	"	"	"	"	"	
Anthracene	0.112	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	0.111	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	0.0848	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	0.104	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	0.0482	0.000437	0.00067	"	"	"	"	"	
Chrysene	0.128	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	0.0195	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	0.365	0.000394	0.00067	"	"	"	"	"	
Fluorene	0.0761	0.000286	0.00067	"	"	"	"	"	

Origins Laboratory, Inc.



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Jen Pellegrini For 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 9-33D

FL-B07@4'

6/7/2023 3:17:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y306179-03 (Soil)

PAH by 8270D SIM

Indeno(1,2,3-cd)pyrene	0.06	0.000627	0.00067	mg/Kg	1	L687261	06/13/2023	06/13/2023	
Pyrene	0.271	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2- luorobiphenyl	51.7 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	53.5 %		33-122			"	"	"	
Surrogate: itrobenzene-d5	43.8 %		29-110			"	"	"	

pH in Soil by 9045D

pH	8.21			pH Units	1	B3F0826	06/08/2023	06/09/2023	
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SAR by 20B Saturated Paste

SAR	0.141			SAR	1	B3F0822	06/08/2023	06/09/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.819		0.00500	mmhos/cm	1	B3F0826	06/08/2023	06/09/2023	
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Table 915 metals by EPA 6020B

Arsenic	5.01		0.0919	mg/kg	10	B3F0906	06/09/2023	06/09/2023	
Barium	161		9.19	"	"	"	"	"	
Cadmium	0.166		0.0919	"	"	"	"	"	

Origins Laboratory, Inc.



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Jen Pellegrini For 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 9-33D

FL-B07@4'

6/7/2023 3:17:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y306179-03 (Soil)

Table 915 metals by EPA 6020B

Copper	9.28		9.19	mg/kg	10	B3F0906	06/09/2023	06/09/2023	
Lead	9.88		9.19	"	"	"	"	"	
Nickel	11.9		9.19	"	"	"	"	"	
Selenium	ND		0.0919	"	"	"	"	"	U
Silver	ND		0.0919	"	"	"	"	"	U
inc	ND		91.9	"	"	"	"	"	U

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.502	mg/Kg	1	L687705	06/07/2023	06/14/2023	
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Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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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 9-33D

FL-B08@4'

6/7/2023 3:52:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y306179-04 (Soil)

Boron (DTPA Sorbitol)

Boron	0.132		0.0995	mg/L	1	B3F0813	06/08/2023	06/09/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B3F0728	06/07/2023	06/08/2023	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	85.9 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B3F0731	06/07/2023	06/07/2023	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Naphthalene	ND		0.00380	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Origins Laboratory, Inc.



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Jen Pellegrini For Jordan A. Bynon, Project Manager

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 Wheat Ridge CO 80033

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

FL-B08@4'

6/7/2023 3:52:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y306179-04 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	93.1 %		70-130					06 07 2023	
Surrogate: Toluene-d8	98.6 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	87.3 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.32		0.499	meq/L	10	[CALC]	06/08/2023	06/09/2023	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L687261	06/13/2023	06/13/2023	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	0.000903	0.000304	0.00067	"	"	"	"	"	
Anthracene	0.00366	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	0.00849	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	0.00741	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	0.0095	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	0.00379	0.000437	0.00067	"	"	"	"	"	
Chrysene	0.0109	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	0.00211	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	0.0221	0.000394	0.00067	"	"	"	"	"	

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 9-33D

FL-B08@4'

6/7/2023 3:52:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y306179-04 (Soil)

PAH by 8270D SIM

Fluorene	0.00138	0.000286	0.00067	mg/Kg	1	L687261	06/13/2023	06/13/2023	
Indeno(1,2,3-cd)pyrene	0.00511	0.000627	0.00067	"	"	"	"	"	
Pyrene	0.0175	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2- luorobiphenyl	58.1 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	61.5 %		33-122			"	"	"	
Surrogate: itrobenzene-d5	49.5 %		29-110			"	"	"	

pH in Soil by 9045D

pH	8.08			pH Units	1	B3F0826	06/08/2023	06/09/2023	
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SAR by 20B Saturated Paste

SAR	0.0494			SAR	1	B3F0822	06/08/2023	06/09/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.207		0.00500	mmhos/cm	1	B3F0826	06/08/2023	06/09/2023	
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Table 915 metals by EPA 6020B

Arsenic	2.36		0.0948	mg/kg	10	B3F0906	06/09/2023	06/09/2023	
Barium	74.8		9.48	"	"	"	"	"	

Origins Laboratory, Inc.



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Jen Pellegrini For 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 9-33D

FL-B08@4'

6/7/2023 3:52:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y306179-04 (Soil)

Table 915 metals by EPA 6020B

Cadmium	0.110		0.0948	mg/kg	10	B3F0906	06/09/2023	06/09/2023	
Copper	ND		9.48	"	"	"	"	"	U
Lead	ND		9.48	"	"	"	"	"	U
Nickel	ND		9.48	"	"	"	"	"	U
Selenium	0.119		0.0948	"	"	"	"	"	
Silver	ND		0.0948	"	"	"	"	"	U
inc	ND		94.8	"	"	"	"	"	U

Total Metals by 7196A

Chromium, Hexavalent	ND	0.248	0.509	mg/Kg	1	L687705	06/07/2023	06/14/2023	
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Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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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 9-33D

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3F0728 - EPA 3550B										
Blank (B3F0728-BLK1)										
					Prepared: 06/07/2023 Analyzed: 06/07/2023					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	21		"	24.9		85.9	50-150			

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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Eagle Environmental Consulting, LLC
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 Wheat Ridge CO 80033

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

Extractable Petroleum Hydrocarbons by 8015D - 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 B3F0728 - EPA 3550B

LCS (B3F0728-BS1)

Prepared: 06/07/2023 Analyzed: 06/07/2023

Diesel (C10-C28)	941	50.0	mg/kg	1000		94.1	70-130			
Residual Range Organics (C28-C40)	931	200	"	1000		93.1	70-130			
Surrogate: o-Terphenyl	43		"	49.8		85.8	50-150			

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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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 9-33D

Extractable Petroleum Hydrocarbons by 8015D - 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 B3F0728 - EPA 3550B

Matrix Spike (B3F0728-MS1)	Source: Y306151-02			Prepared: 06/07/2023 Analyzed: 06/07/2023						
Diesel (C10-C28)	1020	50.0	mg/kg	1000	50.2	96.5	70-130			
Residual Range Organics (C28-C40)	945	200	"	1000	ND	94.5	70-130			
Surrogate: o-Terphenyl	39		"	49.8		78.2	50-150			

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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 Wheat Ridge CO 80033

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

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3F0728 - EPA 3550B										
Matrix Spike Dup (B3F0728-MSD1)					Source: Y306151-02					Prepared: 06/07/2023 Analyzed: 06/07/2023
Diesel (C10-C28)	1010	50.0	mg/kg	1000	50.2	96.1	70-130	0.344	35	
Residual Range Organics (C28-C40)	976	200	"	1000	ND	97.6	70-130	3.28	35	
Surrogate: o-Terphenyl	43		"	49.8		86.4	50-150			

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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Eagle Environmental Consulting, LLC
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 Wheat Ridge CO 80033

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

Extractable Petroleum Hydrocarbons by 8015D - 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 B3F0731 - EPA 5030 (soil)

Blank (B3F0731-BLK1)

Prepared: 06/07/2023 Analyzed: 06/07/2023

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125	95.3		70-130			
Surrogate: Toluene-d8	0.12		"	0.125	96.7		70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125	86.2		70-130			

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 9-33D

Volatile Organic Compounds by GC/MS SW846 8260D - 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 B3F0731 - EPA 5030 (soil)

LCS (B3F0731-BS1)

Prepared: 06/07/2023 Analyzed: 06/07/2023

1,2,4-Trimethylbenzene	0.107	0.00200	mg/kg	0.100		107	70-130			
1,3,5-Trimethylbenzene	0.107	0.00200	"	0.100		107	70-130			
Benzene	0.117	0.00200	"	0.100		117	70-130			
Ethylbenzene	0.106	0.00200	"	0.100		106	70-130			
Naphthalene	0.111	0.00380	"	0.100		111	70-130			
Toluene	0.105	0.00200	"	0.100		105	70-130			
o-Xylene	0.107	0.00200	"	0.100		107	70-130			
m,p-Xylene	0.218	0.00400	"	0.200		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		93.3	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		95.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		93.3	70-130			

Origins Laboratory, Inc.



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

Volatile Organic Compounds by GC/MS SW846 8260D - 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 B3F0731 - EPA 5030 (soil)

Matrix Spike (B3F0731-MS1)	Source: Y306178-01			Prepared: 06/07/2023 Analyzed: 06/07/2023						
1,2,4-Trimethylbenzene	0.101	0.00200	mg/kg	0.100	ND	101	70-130			
1,3,5-Trimethylbenzene	0.101	0.00200	"	0.100	ND	101	70-130			
Benzene	0.0962	0.00200	"	0.100	ND	96.2	70-130			
Ethylbenzene	0.0969	0.00200	"	0.100	ND	96.9	70-130			
Naphthalene	0.111	0.00380	"	0.100	0.0120	98.7	70-130			
Toluene	0.0902	0.00200	"	0.100	ND	90.2	70-130			
o-Xylene	0.0989	0.00200	"	0.100	ND	98.9	70-130			
m,p-Xylene	0.200	0.00400	"	0.200	ND	99.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		93.0	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		94.0	70-130			

Origins Laboratory, Inc.



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 Wheat Ridge CO 80033

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

Volatile Organic Compounds by GC/MS SW846 8260D - 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 B3F0731 - EPA 5030 (soil)

Matrix Spike Dup (B3F0731-MSD1)	Source: Y306178-01			Prepared: 06/07/2023 Analyzed: 06/07/2023						
1,2,4-Trimethylbenzene	0.106	0.00200	mg/kg	0.100	ND	106	70-130	4.58	20	
1,3,5-Trimethylbenzene	0.105	0.00200	"	0.100	ND	105	70-130	3.90	20	
Benzene	0.0974	0.00200	"	0.100	ND	97.4	70-130	1.30	20	
Ethylbenzene	0.0966	0.00200	"	0.100	ND	96.6	70-130	0.372	20	
Naphthalene	0.123	0.00380	"	0.100	0.0120	111	70-130	10.3	20	
Toluene	0.0925	0.00200	"	0.100	ND	92.5	70-130	2.54	20	
o-Xylene	0.0981	0.00200	"	0.100	ND	98.1	70-130	0.772	20	
m,p-Xylene	0.200	0.00400	"	0.200	ND	99.8	70-130	0.0100	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		92.4	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		91.6	70-130			

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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 Wheat Ridge CO 80033

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

Volatile Organic Compounds by GC/MS SW846 8260D - 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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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 B3F0906 - EPA 3050B

Blank (B3F0906-BLK1)

Prepared: 06/09/2023 Analyzed: 06/09/2023

Arsenic	ND	0.000100	mg/kg							U
Barium	ND	0.0100	"							U
Cadmium	ND	0.000100	"							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
inc	ND	0.100	"							U

LCS (B3F0906-BS1)

Prepared: 06/09/2023 Analyzed: 06/09/2023

Arsenic	0.0537	0.000100	mg/kg	0.0500		107	80-120			
Barium	5.24	0.0100	"	5.00		105	80-120			
Cadmium	0.0527	0.000100	"	0.0500		105	80-120			
Copper	0.594	0.0100	"	0.500		119	80-120			
Lead	0.0530	0.0100	"	0.0500		106	80-120			
Nickel	0.0564	0.0100	"	0.0500		113	80-120			
Selenium	0.0473	0.000100	"	0.0500		94.6	80-120			
Silver	0.0467	0.000100	"	0.0500		93.4	80-120			
inc	0.551	0.100	"	0.500		110	80-120			

Matrix Spike (B3F0906-MS1)

Source: Y306178-01

Prepared: 06/09/2023 Analyzed: 06/09/2023

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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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 9-33D

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 B3F0906 - EPA 3050B

Matrix Spike (B3F0906-MS1)		Source: Y306178-01			Prepared: 06/09/2023 Analyzed: 06/09/2023					
Arsenic	7.33	0.0895	mg/kg	4.48	2.11	117	75-125			
Barium	554	8.95	"	448	77.4	107	75-125			
Cadmium	4.78	0.0895	"	4.48	0.102	104	75-125			
Copper	54.9	8.95	"	44.8	5.35	111	75-125			
Lead	11.8	8.95	"	4.48	6.85	110	75-125			
Nickel	11.5	8.95	"	4.48	6.42	113	75-125			
Selenium	4.11	0.0895	"	4.48	0.0986	89.7	75-125			
Silver	4.11	0.0895	"	4.48	0.0259	91.2	75-125			
inc	77.8	89.5	"	44.8	26.7	114	75-125			U

Matrix Spike Dup (B3F0906-MSD1)		Source: Y306178-01			Prepared: 06/09/2023 Analyzed: 06/09/2023					
Arsenic	7.18	0.0919	mg/kg	4.59	2.11	110	75-125	2.08	20	
Barium	555	9.19	"	459	77.4	104	75-125	0.121	20	
Cadmium	4.80	0.0919	"	4.59	0.102	102	75-125	0.568	20	
Copper	55.4	9.19	"	45.9	5.35	109	75-125	0.962	20	
Lead	11.3	9.19	"	4.59	6.85	96.5	75-125	4.31	20	
Nickel	11.0	9.19	"	4.59	6.42	99.8	75-125	4.03	20	
Selenium	4.46	0.0919	"	4.59	0.0986	94.9	75-125	8.06	20	
Silver	4.13	0.0919	"	4.59	0.0259	89.3	75-125	0.501	20	
inc	75.0	91.9	"	45.9	26.7	105	75-125	3.65	20	U

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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.

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

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

Classical Chemistry Parameters - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3F0813 - DTPA Sorbitol Preparation										
Blank (B3F0813-BLK1)					Prepared: 06/08/2023 Analyzed: 06/09/2023					
Boron	ND	0.100	mg/L							U
Duplicate (B3F0813-DUP1)		Source: Y306177-01			Prepared: 06/08/2023 Analyzed: 06/09/2023					
Boron	0.118	0.102	mg/L		0.114			2.84	50	
Batch B3F0822 - Saturated Paste Metals										
Blank (B3F0822-BLK1)					Prepared: 06/08/2023 Analyzed: 06/09/2023					
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
Duplicate (B3F0822-DUP1)		Source: Y306138-01			Prepared: 06/08/2023 Analyzed: 06/09/2023					
Calcium PPM	300	10.0	mg/L		291			2.78	50	
SAR	0.00		SAR		15.1			200	200	U
Magnesium PPM	65.4	10.0	mg/L		63.2			3.31	50	
Sodium PPM	1090	10.0	"		1090			0.392	50	

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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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 9-33D

Saturated Paste - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3F0826 - Saturated Paste pH/EC										
Blank (B3F0826-BLK1)					Prepared: 06/08/2023 Analyzed: 06/09/2023					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							U
Duplicate (B3F0826-DUP1)					Source: Y306138-01 Prepared: 06/08/2023 Analyzed: 06/09/2023					
pH	8.07		pH Units		7.91			2.00	25	
Specific Conductance (EC)	5.80	0.00500	mmhos/cm		6.34			8.90	25	

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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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 9-33D

PAH by 8270D SIM - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L687261 - 3550B

MSD (L 85721-MSD-L687261)		Source: Y306179-03			Prepared: 06/13/2023 Analyzed: 06/13/2023					
Fluorene	0.352	0.00335	mg/Kg	0.166	0.0761	166	30-130	25.6	30	
Pyrene	0.958	0.00335	"	0.166	0.271	414	30-130	17.3	30	
1-Methylnaphthalene	0.116	0.0101	"	0.166	0.00624	66.1	30-130	2.6	30	
2-Methylnaphthalene	0.134	0.0101	"	0.166	0.0106	74.3	30-130	7.7	30	
Indeno(1,2,3-cd)pyrene	0.259	0.00335	"	0.166	0.06	120	30-130	14.4	30	
Acenaphthene	0.309	0.00335	"	0.166	0.0572	152	30-130	27.6	30	
Anthracene	0.492	0.00335	"	0.166	0.112	229	30-130	24.6	30	
Benzo(a)anthracene	0.451	0.00335	"	0.166	0.111	205	30-130	28	30	
Benzo(b)fluoranthene	0.487	0.00335	"	0.166	0.104	231	30-130	15.4	30	
Benzo(k)fluoranthene	0.28	0.00335	"	0.166	0.0482	140	30-130	17.8	30	
Chrysene	0.458	0.00335	"	0.166	0.128	199	30-130	17.8	30	
Dibenz(a,h)anthracene	0.163	0.00335	"	0.166	0.0195	86.4	30-130	3	30	
Fluoranthene	1.17	0.00335	"	0.166	0.365	485	30-130	17.6	30	
Benzo(a)pyrene	0.365	0.00335	"	0.166	0.0848	169	30-130	18.8	30	
Surrogate: 4-Terphenyl-d14	64.4		"	0.332	178	64.4	33-122			
Surrogate: itrobenzene-d5	51.5		"	0.332	146	51.5	29-110			
Surrogate: 2- luorobiphenyl	53.3		"	0.332	172	53.3	33-115			

MS (L 85721-MS-L687261)		Source: Y306179-03			Prepared: 06/13/2023 Analyzed: 06/13/2023					
Benzo(k)fluoranthene	0.234	0.00335	mg/Kg	0.164	0.0482	113	30-130			
Pyrene	0.805	0.00335	"	0.164	0.271	326	30-130			
Chrysene	0.383	0.00335	"	0.164	0.128	155	30-130			
Dibenz(a,h)anthracene	0.168	0.00335	"	0.164	0.0195	90.5	30-130			
Fluoranthene	0.98	0.00335	"	0.164	0.365	375	30-130			
Indeno(1,2,3-cd)pyrene	0.224	0.00335	"	0.164	0.06	100	30-130			
Benzo(a)anthracene	0.34	0.00335	"	0.164	0.111	140	30-130			
Fluorene	0.272	0.00335	"	0.164	0.0761	119	30-130			

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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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 9-33D

PAH by 8270D SIM - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L687261 - 3550B

MS (L 85721-MS-L687261)		Source: Y306179-03			Prepared: 06/13/2023 Analyzed: 06/13/2023					
Anthracene	0.384	0.00335	mg/Kg	0.164	0.112	166	30-130			
Acenaphthene	0.234	0.00335	"	0.164	0.0572	108	30-130			
2-Methylnaphthalene	0.124	0.0101	"	0.164	0.0106	69.1	30-130			
1-Methylnaphthalene	0.113	0.0101	"	0.164	0.00624	65	30-130			
Benzo(b)fluoranthene	0.417	0.00335	"	0.164	0.104	191	30-130			
Benzo(a)pyrene	0.302	0.00335	"	0.164	0.0848	132	30-130			
Surrogate: itrobenzene-d5	60.1		"	0.329	146	60.1	29-110			
Surrogate: 4-Terphenyl-d14	84.4		"	0.329	178	84.4	33-122			
Surrogate: 2- luorobiphenyl	62.3		"	0.329	172	62.3	33-115			

LCS (LCS-L687261)					Prepared: 06/13/2023 Analyzed: 06/13/2023					
Pyrene	0.107	0.00067	mg/Kg	0.167		64	30-130			
Benzo(b)fluoranthene	0.0921	0.00067	"	0.167		55.1	30-130			
Benzo(k)fluoranthene	0.0942	0.00067	"	0.167		56.4	30-130			
Chrysene	0.116	0.00067	"	0.167		69.4	30-130			
Fluoranthene	0.109	0.00067	"	0.167		65.2	30-130			
Benzo(a)pyrene	0.118	0.00067	"	0.167		70.6	30-130			
Dibenz(a,h)anthracene	0.136	0.00067	"	0.167		81.4	30-130			
Indeno(1,2,3-cd)pyrene	0.118	0.00067	"	0.167		70.6	30-130			
Anthracene	0.118	0.00067	"	0.167		70.6	30-130			
Acenaphthene	0.107	0.00067	"	0.167		64	30-130			
2-Methylnaphthalene	0.109	0.00201	"	0.167		65.2	30-130			
1-Methylnaphthalene	0.106	0.00201	"	0.167		63.4	30-130			
Fluorene	0.119	0.00067	"	0.167		71.2	30-130			
Benzo(a)anthracene	0.113	0.00067	"	0.167		67.6	30-130			
Surrogate: itrobenzene-d5	57.9		"	0.333		57.9	29-110			
Surrogate: 4-Terphenyl-d14	69.9		"	0.333		69.9	33-122			

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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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 9-33D

PAH by 8270D SIM - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L687261 - 3550B										
LCS (LCS-L687261)										
					Prepared: 06/13/2023 Analyzed: 06/13/2023					
Surrogate: 2- luorobiphenyl	68.1		mg g	0.333		68.1	33-115			
LRB (LRB-L687261)										
					Prepared: 06/13/2023 Analyzed: 06/13/2023					
Indeno(1,2,3-cd)pyrene	ND	0.00067	mg/Kg				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00201	"				-			
1-Methylnaphthalene	ND	0.00201	"				-			
Pyrene	ND	0.00067	"				-			
Surrogate: 2- luorobiphenyl	67.8		"	0.333		67.8	33-115			
Surrogate: itrobenzene-d5	57.6		"	0.333		57.6	29-110			
Surrogate: 4-Terphenyl-d14	69		"	0.333		69	33-122			

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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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 9-33D

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
Batch L687705 -										
DUP (L 85724-DUP)		Source: 85724			Prepared: Analyzed: 06/14/2023					
Chromium, Hexavalent	ND	0.502	mg/Kg		85724		-	0	20	
MS (L 85724-MS)		Source: 85724			Prepared: Analyzed: 06/14/2023					
Chromium, Hexavalent	33.7	2.51	mg/Kg	40.1	85724	84	75-125			
LCS (LCS)		Prepared: Analyzed: 06/14/2023								
Chromium, Hexavalent	6.6	0.5	mg/Kg	8		83	75-125			
LRB (LRB)		Prepared: Analyzed: 06/14/2023								
Chromium, Hexavalent	ND	0.5	mg/Kg				-			

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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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 9-33D

Notes and Definitions

U Sample is Non-Detect.

C Failure

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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.



September 01, 2023

Eagle Environmental Consulting, LLC

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - REI H 9-33D

Project Number - [none]

Attached are your analytical results for KMG - REI H 9-33D received by Origins Laboratory, Inc. August 22, 2023. This project is associated with Origins project number Y308569-01.

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 9-33D

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-B01@8'	Y308569-01	Soil	August 22, 2023 11:42	08/22/2023 15:40
FL-B09@4'	Y308569-02	Soil	August 22, 2023 11:44	08/22/2023 15:40
WH-BG01@3'	Y308569-03	Soil	August 22, 2023 10:12	08/22/2023 15:40
WH-BG01@6'	Y308569-04	Soil	August 22, 2023 10:14	08/22/2023 15:40
WH-BG02@3'	Y308569-05	Soil	August 22, 2023 10:16	08/22/2023 15:40
WH-BG02@6'	Y308569-06	Soil	August 22, 2023 10:18	08/22/2023 15:40
WH-BG03@3'	Y308569-07	Soil	August 22, 2023 10:20	08/22/2023 15:40
WH-BG03@6'	Y308569-08	Soil	August 22, 2023 10:22	08/22/2023 15:40

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.

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

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

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4308569

Client: Eagle

Client Project ID: BETHA-33D

Checklist Completed by: EHSDM

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

Date/time completed: 8/22/23

Airbill #: N/A

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

Cooler Number/Temperature: 1, 4 °C 1 °C 1 °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 ⁽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 analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		/		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	/			
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 (> ¼ 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 subcontracted 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.

Evan Hunter
 Reviewed by (Project Manager)

8/22/23
 Date/Time Reviewed

Origins Laboratory, Inc.

J. Bynon

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.

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

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

WH-B01@8'

8/22/2023 11:42:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y308569-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.0213	0.00501	mg/L	1	B3H2311	KAP	08/23/2023	08/24/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3H2230	ZZZ	08/22/2023	08/23/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	93.3 %	50-150			"	"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3H2234	HK	08/22/2023	08/23/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HK	"	"	U
Benzene	ND	0.00200	"	"	"	HK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	HK	"	"	U
Naphthalene	ND	0.00380	"	"	"	HK	"	"	U
Toluene	ND	0.00200	"	"	"	HK	"	"	U
Xylenes, total	ND	0.00200	"	"	"	HK	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	102 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	98.0 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	98.7 %	70-130			"	"	"	"	

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 9-33D

WH-B01@8'

8/22/2023 11:42:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y308569-01 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	0.722	0.499	meq/L	10	[CALC]	KAP	08/23/2023	08/24/2023
Magnesium	1.01	0.823	"	"	"	KAP	"	"
Sodium	1.39	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.41		pH Units	1	B3H2317	HJD	08/23/2023	08/24/2023
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SAR by 20B Saturated Paste

SAR	1.49	0.0100	SAR	1	B3H2307	KAP	08/23/2023	08/24/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.342	0.00500	mmhos/cm	1	B3H2317	HJD	08/23/2023	08/24/2023
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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 9-33D

FL-B09@4'

8/22/2023 11:44:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y308569-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.215	0.101	mg/L	1	B3H2311	KAP	08/23/2023	08/24/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3H2230	ZZZ	08/22/2023	08/23/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: <i>o</i> -Terphenyl	93.7 %	50-150			"	"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3H2234	HK	08/22/2023	08/23/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HK	"	"	U
Benzene	ND	0.00200	"	"	"	HK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	HK	"	"	U
Naphthalene	ND	0.00380	"	"	"	HK	"	"	U
Toluene	ND	0.00200	"	"	"	HK	"	"	U
Xylenes, total	ND	0.00200	"	"	"	HK	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	105 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	97.7 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	98.7 %	70-130			"	"	"	"	

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.

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

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

FL-B09@4'

8/22/2023 11:44:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y308569-02 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	0.855	0.499	meq/L	10	[CALC]	KAP	08/23/2023	08/24/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	1.19	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.40		pH Units	1	B3H2317	HJD	08/23/2023	08/24/2023
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SAR by 20B Saturated Paste

SAR	1.51	0.0100	SAR	1	B3H2307	KAP	08/23/2023	08/24/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.261	0.00500	mmhos/cm	1	B3H2317	HJD	08/23/2023	08/24/2023
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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 9-33D

WH-BG01@3'
8/22/2023 10:12:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y308569-03 (Soil)

Boron (DTPA Sorbitol)

Boron	0.161	0.0986	mg/L	1	B3H2311	KAP	08/23/2023	08/24/2023
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Metals by Saturated Paste by EPA 6010

Calcium	1.54	0.499	meq/L	10	[CALC]	KAP	08/23/2023	08/24/2023
Magnesium	2.23	0.823	"	"	"	KAP	"	"
Sodium	2.40	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.32		pH Units	1	B3H2317	HJD	08/23/2023	08/24/2023
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SAR by 20B Saturated Paste

SAR	1.75	0.0100	SAR	1	B3H2307	KAP	08/23/2023	08/24/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.586	0.00500	mmhos/cm	1	B3H2317	HJD	08/23/2023	08/24/2023
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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 9-33D

WH-BG01@6'
8/22/2023 10:14:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y308569-04 (Soil)

Boron (DTPA Sorbitol)

Boron	0.271	0.0986	mg/L	1	B3H2311	KAP	08/23/2023	08/24/2023
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Metals by Saturated Paste by EPA 6010

Calcium	1.44	0.499	meq/L	10	[CALC]	KAP	08/23/2023	08/24/2023
Magnesium	1.36	0.823	"	"	"	KAP	"	"
Sodium	2.10	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	7.98		pH Units	1	B3H2317	HJD	08/23/2023	08/24/2023
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SAR by 20B Saturated Paste

SAR	1.78	0.0100	SAR	1	B3H2307	KAP	08/23/2023	08/24/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.532	0.00500	mmhos/cm	1	B3H2317	HJD	08/23/2023	08/24/2023
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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 9-33D

WH-BG02@3'
8/22/2023 10:16:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y308569-05 (Soil)

Boron (DTPA Sorbitol)

Boron	0.133	0.0992	mg/L	1	B3H2311	KAP	08/23/2023	08/24/2023
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Metals by Saturated Paste by EPA 6010

Calcium	1.24	0.499	meq/L	10	[CALC]	KAP	08/23/2023	08/24/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	0.754	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.31		pH Units	1	B3H2317	HJD	08/23/2023	08/24/2023
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SAR by 20B Saturated Paste

SAR	0.772	0.0100	SAR	1	B3H2307	KAP	08/23/2023	08/24/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.282	0.00500	mmhos/cm	1	B3H2317	HJD	08/23/2023	08/24/2023
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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 9-33D

WH-BG02@6'

8/22/2023 10:18:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y308569-06 (Soil)

Boron (DTPA Sorbitol)

Boron	0.245	0.0988	mg/L	1	B3H2311	KAP	08/23/2023	08/24/2023
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Metals by Saturated Paste by EPA 6010

Calcium	1.04	0.499	meq/L	10	[CALC]	KAP	08/23/2023	08/24/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	0.862	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.27		pH Units	1	B3H2317	HJD	08/23/2023	08/24/2023
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SAR by 20B Saturated Paste

SAR	1.08	0.0100	SAR	1	B3H2307	KAP	08/23/2023	08/24/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.236	0.00500	mmhos/cm	1	B3H2317	HJD	08/23/2023	08/24/2023
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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 9-33D

WH-BG03@3'
8/22/2023 10:20:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y308569-07 (Soil)

Boron (DTPA Sorbitol)

Boron	0.131	0.0992	mg/L	1	B3H2311	KAP	08/23/2023	08/24/2023
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Metals by Saturated Paste by EPA 6010

Calcium	0.905	0.499	meq/L	10	[CALC]	KAP	08/23/2023	08/24/2023
Magnesium	1.51	0.823	"	"	"	KAP	"	"
Sodium	1.57	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.37		pH Units	1	B3H2317	HJD	08/23/2023	08/24/2023
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SAR by 20B Saturated Paste

SAR	1.42	0.0100	SAR	1	B3H2307	KAP	08/23/2023	08/24/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.410	0.00500	mmhos/cm	1	B3H2317	HJD	08/23/2023	08/24/2023
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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 9-33D

WH-BG03@6'
8/22/2023 10:22:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y308569-08 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.0988	mg/L	1	B3H2311	ZZZ	08/23/2023	08/31/2023	
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Metals by Saturated Paste by EPA 6010

Calcium	0.944	0.499	meq/L	10	[CALC]	KAP	08/23/2023	08/24/2023	
Magnesium	ND	0.823	"	"	"	KAP	"	"	
Sodium	1.45	0.435	"	"	"	KAP	"	"	

pH in Soil by 9045D

pH	8.37		pH Units	1	B3H2317	HJD	08/23/2023	08/24/2023	
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SAR by 20B Saturated Paste

SAR	1.67	0.0100	SAR	1	B3H2307	KAP	08/23/2023	08/24/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.312	0.00500	mmhos/cm	1	B3H2317	HJD	08/23/2023	08/24/2023	
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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 9-33D

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3H2230 - EPA 3550B										
Blank (B3H2230-BLK1)										
					Prepared: 08/22/2023 Analyzed: 08/23/2023					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	24		"	24.9		95.7	50-150			

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 9-33D

Extractable Petroleum Hydrocarbons by 8015D - 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 B3H2230 - EPA 3550B

LCS (B3H2230-BS1)

Prepared: 08/22/2023 Analyzed: 08/23/2023

Diesel (C10-C28)	955	50.0	mg/kg	1000		95.5	70-130			
Residual Range Organics (C28-C40)	953	200	"	1000		95.3	70-130			
Surrogate: o-Terphenyl	54		"	49.8		108	50-150			

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 9-33D

Extractable Petroleum Hydrocarbons by 8015D - 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 B3H2230 - EPA 3550B

Matrix Spike (B3H2230-MS1)	Source: Y308569-01			Prepared: 08/22/2023 Analyzed: 08/23/2023						
Diesel (C10-C28)	961	50.0	mg/kg	1000	ND	96.1	70-130			
Residual Range Organics (C28-C40)	951	200	"	1000	ND	95.1	70-130			
Surrogate: o-Terphenyl	51		"	49.8		103	50-150			

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 9-33D

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3H2230 - EPA 3550B										
Matrix Spike Dup (B3H2230-MSD1)		Source: Y308569-01								
					Prepared: 08/22/2023		Analyzed: 08/23/2023			
Diesel (C10-C28)	1130	50.0	mg/kg	1000	ND	113	70-130	16.6	35	
Residual Range Organics (C28-C40)	1120	200	"	1000	ND	112	70-130	16.0	35	
Surrogate: o-Terphenyl	59		"	49.8		119	50-150			

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 9-33D

Extractable Petroleum Hydrocarbons by 8015D - 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 B3H2234 - EPA 5030 (soil)

Blank (B3H2234-BLK1)

Prepared: 08/22/2023 Analyzed: 08/23/2023

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125	100		70-130			
Surrogate: Toluene-d8	0.12		"	0.125	97.8		70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125	98.8		70-130			

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 9-33D

Volatile Organic Compounds by GC/MS SW846 8260D - 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 B3H2234 - EPA 5030 (soil)

LCS (B3H2234-BS1)

Prepared: 08/22/2023 Analyzed: 08/23/2023

1,2,4-Trimethylbenzene	0.110	0.00200	mg/kg	0.100		110	70-130			
1,3,5-Trimethylbenzene	0.111	0.00200	"	0.100		111	70-130			
Benzene	0.0966	0.00200	"	0.100		96.6	70-130			
Ethylbenzene	0.103	0.00200	"	0.100		103	70-130			
Naphthalene	0.110	0.00380	"	0.100		110	70-130			
Toluene	0.0984	0.00200	"	0.100		98.4	70-130			
o-Xylene	0.110	0.00200	"	0.100		110	70-130			
m,p-Xylene	0.211	0.00400	"	0.200		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		98.8	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.7	70-130			

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 9-33D

Volatile Organic Compounds by GC/MS SW846 8260D - 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 B3H2234 - EPA 5030 (soil)

Matrix Spike (B3H2234-MS1)	Source: Y308570-01			Prepared: 08/22/2023 Analyzed: 08/23/2023						
1,2,4-Trimethylbenzene	0.0991	0.00200	mg/kg	0.100	ND	99.1	70-130			
1,3,5-Trimethylbenzene	0.100	0.00200	"	0.100	ND	100	70-130			
Benzene	0.0888	0.00200	"	0.100	ND	88.8	70-130			
Ethylbenzene	0.0945	0.00200	"	0.100	ND	94.5	70-130			
Naphthalene	0.0973	0.00380	"	0.100	ND	97.3	70-130			
Toluene	0.0893	0.00200	"	0.100	ND	89.3	70-130			
o-Xylene	0.100	0.00200	"	0.100	ND	100	70-130			
m,p-Xylene	0.195	0.00400	"	0.200	ND	97.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		98.8	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		100	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.8	70-130			

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 9-33D

Volatile Organic Compounds by GC/MS SW846 8260D - 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 B3H2234 - EPA 5030 (soil)

Matrix Spike Dup (B3H2234-MSD1)	Source: Y308570-01			Prepared: 08/22/2023 Analyzed: 08/23/2023						
1,2,4-Trimethylbenzene	0.103	0.00200	mg/kg	0.100	ND	103	70-130	3.57	20	
1,3,5-Trimethylbenzene	0.103	0.00200	"	0.100	ND	103	70-130	2.87	20	
Benzene	0.0918	0.00200	"	0.100	ND	91.8	70-130	3.34	20	
Ethylbenzene	0.0975	0.00200	"	0.100	ND	97.5	70-130	3.04	20	
Naphthalene	0.105	0.00380	"	0.100	ND	105	70-130	7.88	20	
Toluene	0.0916	0.00200	"	0.100	ND	91.6	70-130	2.50	20	
o-Xylene	0.104	0.00200	"	0.100	ND	104	70-130	3.84	20	
m,p-Xylene	0.200	0.00400	"	0.200	ND	100	70-130	2.88	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		101	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		100	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.9	70-130			

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 9-33D

Volatile Organic Compounds by GC/MS SW846 8260D - 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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Classical Chemistry Parameters - 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 B3H2307 - Saturated Paste Metals

Blank (B3H2307-BLK1)

Prepared: 08/23/2023 Analyzed: 08/24/2023

Calcium PPM	ND	10.0	mg/L							
SAR	ND	0.0100	SAR							
Magnesium PPM	ND	10.0	mg/L							
Sodium PPM	ND	10.0	"							

Duplicate (B3H2307-DUP1)

Source: Y308566-05

Prepared: 08/23/2023 Analyzed: 08/24/2023

SAR	ND	0.0100	SAR		15.3				200	
Calcium PPM	270	10.0	mg/L		333			20.6	50	
Magnesium PPM	119	10.0	"		137			14.1	50	
Sodium PPM	1270	10.0	"		1310			3.65	50	

Batch B3H2311 - DTPA Sorbitol Preparation

Blank (B3H2311-BLK1)

Prepared: 08/23/2023 Analyzed: 08/24/2023

Boron	ND	0.100	mg/L							
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Duplicate (B3H2311-DUP1)

Source: Y308563-13

Prepared: 08/23/2023 Analyzed: 08/24/2023

Boron	0.370	0.101	mg/L		0.349			5.88	50	
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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 9-33D

Saturated Paste - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3H2317 - Saturated Paste pH/EC										
Blank (B3H2317-BLK1)					Prepared: 08/23/2023 Analyzed: 08/24/2023					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							
Duplicate (B3H2317-DUP1)		Source: Y308566-05			Prepared: 08/23/2023 Analyzed: 08/24/2023					
Specific Conductance (EC)	7.21	0.00500	mmhos/cm		7.67		6.15	25		
pH	7.85		pH Units		7.83		0.255	25		

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.

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

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

Notes and Definitions

U Sample is Non-Detect.

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.



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



September 26, 2023

Eagle Environmental Consulting, LLC

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - REI H 9-33D

Project Number - [none]

Attached are your analytical results for KMG - REI H 9-33D received by Origins Laboratory, Inc. September 19, 2023. This project is associated with Origins project number Y309402-01.

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 9-33D

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FL-B03@8'	Y309402-01	Soil	September 19, 2023 10:02	09/19/2023 15:51
FL-N05@4'	Y309402-02	Soil	September 19, 2023 10:04	09/19/2023 15:51
FL-S05@4'	Y309402-03	Soil	September 19, 2023 10:06	09/19/2023 15:51
FL-E05@4'	Y309402-04	Soil	September 19, 2023 10:08	09/19/2023 15:51
FL-W05@4'	Y309402-05	Soil	September 19, 2023 10:10	09/19/2023 15:51

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.

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

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

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4309402

Client: Eagle

Client Project ID: REI H 9-33D

Checklist Completed by: EHS (AN)

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

Date/time completed: 9/19/12

Airbill #: N/A

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

Cooler Number/Temperature: 1 12.6 °C 1 °C 1 °C (Describe) 1 °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 ⁽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 analytes or samples with HTS due within 48 hours present ⁽¹⁾ ?		/		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	/			
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 (> ¼ 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 subcontracted 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.

[Signature]
 Reviewed by (Project Manager)

9/19/12
 Date/Time Reviewed

Origins Laboratory, Inc.

[Signature]

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.

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

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

FL-B03@8'

9/19/2023 10:02:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y309402-01 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B311944	ZZZ	09/19/2023	09/19/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: *o*-Terphenyl 94.0 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B311943	HK	09/19/2023	09/19/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HK	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HK	"	"	U

Surrogate: 1,2-Dichloroethane-d4 104 % 70-130 " " "
 Surrogate: Toluene-d8 97.2 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 94.8 % 70-130 " " "

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B311942	e	09/19/2023	09/19/2023	U
2-Methylnaphthalene	ND	0.002	"	"	"	e	"	"	U
Acenaphthene	ND	0.020	"	"	"	e	"	"	U
Anthracene	ND	0.020	"	"	"	e	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	e	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	e	"	"	U

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.

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

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

FL-B03@8'

9/19/2023 10:02:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y309402-01 (Soil)

PAH by EPA 8270E

Benzo (b) fluoranthene	ND	0.020	mg/kg	1	B311942	e	09/19/2023	09/19/2023	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	e	"	"	U
Chrysene	ND	0.020	"	"	"	e	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	e	"	"	U
Fluoranthene	ND	0.020	"	"	"	e	"	"	U
Fluorene	ND	0.020	"	"	"	e	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	e	"	"	U
Naphthalene	ND	0.002	"	"	"	e	"	"	U
Pyrene	ND	0.020	"	"	"	e	"	"	U

Surrogate: luorene-d10	103 %	60-130			"	"	"	"	
Surrogate: nthracene-d10	113 %	60-130			"	"	"	"	
Surrogate: Benzo a pyrene-d12	104 %	60-130			"	"	"	"	
Surrogate: yrene-d10	105 %	60-130			"	"	"	"	

pH in Soil by 9045D

pH	8.69		pH Units	1	B312032	HJD	09/20/2023	09/20/2023	
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Table 915 metals by EPA 6020B

Arsenic	1.96	0.0873	mg/kg	10	B311946	C H	09/19/2023	09/21/2023	
Barium	76.1	8.73	"	"	"	C H	"	09/21/2023	
Cadmium	0.105	0.0873	"	"	"	C H	"	09/21/2023	

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 9-33D

FL-B03@8'

9/19/2023 10:02:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y309402-01 (Soil)

Table 915 metals by EPA 6020B

Lead	ND	8.73	mg/kg	10	B311946	C H	09/19/2023	09/21/2023	
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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.

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

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

FL-N05@4'
9/19/2023 10:04:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y309402-02 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B311944	ZZZ	09/19/2023	09/19/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: *o*-Terphenyl 86.6 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B311943	HK	09/19/2023	09/19/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HK	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HK	"	"	U

Surrogate: 1,2-Dichloroethane-d4 106 % 70-130 " " "
 Surrogate: Toluene-d8 97.4 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 94.4 % 70-130 " " "

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B311942	e	09/19/2023	09/19/2023	U
2-Methylnaphthalene	ND	0.002	"	"	"	e	"	"	U
Acenaphthene	ND	0.020	"	"	"	e	"	"	U
Anthracene	ND	0.020	"	"	"	e	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	e	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	e	"	"	U

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 9-33D

FL-N05@4'

9/19/2023 10:04:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y309402-02 (Soil)

PAH by EPA 8270E

Benzo (b) fluoranthene	ND	0.020	mg/kg	1	B311942	e	09/19/2023	09/19/2023	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	e	"	"	U
Chrysene	ND	0.020	"	"	"	e	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	e	"	"	U
Fluoranthene	ND	0.020	"	"	"	e	"	"	U
Fluorene	ND	0.020	"	"	"	e	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	e	"	"	U
Naphthalene	ND	0.002	"	"	"	e	"	"	U
Pyrene	ND	0.020	"	"	"	e	"	"	U

Surrogate: luorene-d10	102 %	60-130			"	"	"	
Surrogate: nthracene-d10	101 %	60-130			"	"	"	
Surrogate: Benzo a pyrene-d12	100 %	60-130			"	"	"	
Surrogate: yrene-d10	98.9 %	60-130			"	"	"	

pH in Soil by 9045D

pH	8.49		pH Units	1	B312032	HJD	09/20/2023	09/20/2023
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Table 915 metals by EPA 6020B

Arsenic	3.13	0.0940	mg/kg	10	B311946	C H	09/19/2023	09/21/2023
Barium	126	9.40	"	"	"	C H	"	09/21/2023
Cadmium	0.138	0.0940	"	"	"	C H	"	09/21/2023

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 9-33D

FL-N05@4'

9/19/2023 10:04:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y309402-02 (Soil)

Table 915 metals by EPA 6020B

Lead	13.2	9.40	mg/kg	10	B311946	C H	09/19/2023	09/21/2023	
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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.

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

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

FL-S05@4'

9/19/2023 10:06:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y309402-03 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B311944	ZZZ	09/19/2023	09/19/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: *o*-Terphenyl 93.4 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B311943	HK	09/19/2023	09/19/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HK	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HK	"	"	U

Surrogate: 1,2-Dichloroethane-d4 106 % 70-130 " " "
 Surrogate: Toluene-d8 97.2 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 95.5 % 70-130 " " "

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B311942	e	09/19/2023	09/19/2023	U
2-Methylnaphthalene	ND	0.002	"	"	"	e	"	"	U
Acenaphthene	ND	0.020	"	"	"	e	"	"	U
Anthracene	ND	0.020	"	"	"	e	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	e	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	e	"	"	U

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.

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

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

FL-S05@4'

9/19/2023 10:06:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y309402-03 (Soil)

PAH by EPA 8270E

Benzo (b) fluoranthene	ND	0.020	mg/kg	1	B311942	e	09/19/2023	09/19/2023	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	e	"	"	U
Chrysene	ND	0.020	"	"	"	e	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	e	"	"	U
Fluoranthene	ND	0.020	"	"	"	e	"	"	U
Fluorene	ND	0.020	"	"	"	e	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	e	"	"	U
Naphthalene	ND	0.002	"	"	"	e	"	"	U
Pyrene	ND	0.020	"	"	"	e	"	"	U

Surrogate: luorene-d10	116 %	60-130			"	"	"	
Surrogate: nthracene-d10	109 %	60-130			"	"	"	
Surrogate: Benzo a pyrene-d12	99.6 %	60-130			"	"	"	
Surrogate: yrene-d10	100 %	60-130			"	"	"	

pH in Soil by 9045D

pH	8.27		pH Units	1	B312032	HJD	09/20/2023	09/20/2023
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Table 915 metals by EPA 6020B

Arsenic	3.34	0.0891	mg/kg	10	B311946	C H	09/19/2023	09/21/2023
Barium	124	8.91	"	"	"	C H	"	09/21/2023
Cadmium	0.157	0.0891	"	"	"	C H	"	09/21/2023

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.

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

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

FL-S05@4'

9/19/2023 10:06:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y309402-03 (Soil)

Table 915 metals by EPA 6020B

Lead	9.91	8.91	mg/kg	10	B311946	C H	09/19/2023	09/21/2023	
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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.

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

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

FL-E05@4'

9/19/2023 10:08:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y309402-04 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B311944	ZZZ	09/19/2023	09/19/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: *o*-Terphenyl 91.3 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B311943	HK	09/19/2023	09/19/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HK	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HK	"	"	U

Surrogate: 1,2-Dichloroethane-d4 108 % 70-130 " " "
 Surrogate: Toluene-d8 97.6 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 94.6 % 70-130 " " "

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B311942	e	09/19/2023	09/19/2023	U
2-Methylnaphthalene	ND	0.002	"	"	"	e	"	"	U
Acenaphthene	ND	0.020	"	"	"	e	"	"	U
Anthracene	ND	0.020	"	"	"	e	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	e	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	e	"	"	U

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.

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

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

FL-E05@4'

9/19/2023 10:08:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y309402-04 (Soil)

PAH by EPA 8270E

Benzo (b) fluoranthene	ND	0.020	mg/kg	1	B311942	e	09/19/2023	09/19/2023	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	e	"	"	U
Chrysene	ND	0.020	"	"	"	e	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	e	"	"	U
Fluoranthene	ND	0.020	"	"	"	e	"	"	U
Fluorene	ND	0.020	"	"	"	e	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	e	"	"	U
Naphthalene	ND	0.002	"	"	"	e	"	"	U
Pyrene	ND	0.020	"	"	"	e	"	"	U

Surrogate: luorene-d10	93.4 %	60-130			"	"	"	"	
Surrogate: nthracene-d10	112 %	60-130			"	"	"	"	
Surrogate: Benzo a pyrene-d12	99.6 %	60-130			"	"	"	"	
Surrogate: yrene-d10	93.0 %	60-130			"	"	"	"	

pH in Soil by 9045D

pH	8.32		pH Units	1	B312032	HJD	09/20/2023	09/20/2023	
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Table 915 metals by EPA 6020B

Arsenic	3.79	0.0880	mg/kg	10	B311946	C H	09/19/2023	09/21/2023	
Barium	136	8.80	"	"	"	C H	"	09/21/2023	
Cadmium	0.177	0.0880	"	"	"	C H	"	09/21/2023	

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 9-33D

FL-E05@4'

9/19/2023 10:08:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y309402-04 (Soil)

Table 915 metals by EPA 6020B

Lead	9.39	8.80	mg/kg	10	B311946	C H	09/19/2023	09/21/2023	
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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 9-33D

FL-W05@4'

9/19/2023 10:10:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y309402-05 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B311944	ZZZ	09/19/2023	09/19/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: *o*-Terphenyl 72.7 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B311943	HK	09/19/2023	09/19/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HK	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HK	"	"	U

Surrogate: 1,2-Dichloroethane-d4 108 % 70-130 " " "
 Surrogate: Toluene-d8 99.6 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 92.6 % 70-130 " " "

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B311942	e	09/19/2023	09/19/2023	U
2-Methylnaphthalene	ND	0.002	"	"	"	e	"	"	U
Acenaphthene	ND	0.020	"	"	"	e	"	"	U
Anthracene	ND	0.020	"	"	"	e	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	e	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	e	"	"	U

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 9-33D

FL-W05@4'
9/19/2023 10:10:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y309402-05 (Soil)

PAH by EPA 8270E

Benzo (b) fluoranthene	ND	0.020	mg/kg	1	B311942	e	09/19/2023	09/19/2023	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	e	"	"	U
Chrysene	ND	0.020	"	"	"	e	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	e	"	"	U
Fluoranthene	ND	0.020	"	"	"	e	"	"	U
Fluorene	ND	0.020	"	"	"	e	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	e	"	"	U
Naphthalene	ND	0.002	"	"	"	e	"	"	U
Pyrene	ND	0.020	"	"	"	e	"	"	U

Surrogate: luorene-d10	112 %	60-130			"	"	"	"
Surrogate: nthracene-d10	111 %	60-130			"	"	"	"
Surrogate: Benzo a pyrene-d12	101 %	60-130			"	"	"	"
Surrogate: yrene-d10	103 %	60-130			"	"	"	"

pH in Soil by 9045D

pH	8.32		pH Units	1	B312032	HJD	09/20/2023	09/20/2023
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Table 915 metals by EPA 6020B

Arsenic	3.87	0.0884	mg/kg	10	B311946	C H	09/19/2023	09/21/2023
Barium	140	8.84	"	"	"	C H	"	09/21/2023
Cadmium	0.186	0.0884	"	"	"	C H	"	09/21/2023

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 9-33D

FL-W05@4'

9/19/2023 10:10:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y309402-05 (Soil)

Table 915 metals by EPA 6020B

Lead	10.2	8.84	mg/kg	10	B311946	C H	09/19/2023	09/21/2023	
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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 9-33D

Volatile Organic Compounds by GC/MS SW846 8260D - 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 B311943 - EPA 5030 (soil)

Blank (B311943-BLK1)

Prepared: 09/19/2023 Analyzed: 09/19/2023

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125	102		70-130			
Surrogate: Toluene-d8	0.12		"	0.125	95.7		70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125	93.9		70-130			

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 9-33D

Volatile Organic Compounds by GC/MS SW846 8260D - 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 B311943 - EPA 5030 (soil)

LCS (B311943-BS1)

Prepared: 09/19/2023 Analyzed: 09/19/2023

1,2,4-Trimethylbenzene	0.0906	0.00200	mg/kg	0.100		90.6	70-130			
1,3,5-Trimethylbenzene	0.0903	0.00200	"	0.100		90.3	70-130			
Benzene	0.0827	0.00200	"	0.100		82.7	70-130			
Ethylbenzene	0.0837	0.00200	"	0.100		83.7	70-130			
Naphthalene	0.0916	0.00380	"	0.100		91.6	70-130			
Toluene	0.0808	0.00200	"	0.100		80.8	70-130			
o-Xylene	0.0843	0.00200	"	0.100		84.3	70-130			
m,p-Xylene	0.172	0.00400	"	0.200		86.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		101	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		95.5	70-130			

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 9-33D

Volatile Organic Compounds by GC/MS SW846 8260D - 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 B311943 - EPA 5030 (soil)

Matrix Spike (B311943-MS1)	Source: Y309402-01			Prepared: 09/19/2023 Analyzed: 09/19/2023						
1,2,4-Trimethylbenzene	0.0908	0.00200	mg/kg	0.100	ND	90.8	70-130			
1,3,5-Trimethylbenzene	0.0898	0.00200	"	0.100	ND	89.8	70-130			
Benzene	0.0831	0.00200	"	0.100	ND	83.1	70-130			
Ethylbenzene	0.0825	0.00200	"	0.100	ND	82.5	70-130			
Naphthalene	0.0930	0.00380	"	0.100	ND	93.0	70-130			
Toluene	0.0798	0.00200	"	0.100	ND	79.8	70-130			
o-Xylene	0.0835	0.00200	"	0.100	ND	83.5	70-130			
m,p-Xylene	0.170	0.00400	"	0.200	ND	84.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		103	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		95.2	70-130			

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 9-33D

Volatile Organic Compounds by GC/MS SW846 8260D - 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 B311943 - EPA 5030 (soil)

Matrix Spike Dup (B311943-MSD1)	Source: Y309402-01			Prepared: 09/19/2023 Analyzed: 09/19/2023						
1,2,4-Trimethylbenzene	0.0867	0.00200	mg/kg	0.100	ND	86.7	70-130	4.60	20	
1,3,5-Trimethylbenzene	0.0856	0.00200	"	0.100	ND	85.6	70-130	4.70	20	
Benzene	0.0819	0.00200	"	0.100	ND	81.9	70-130	1.53	20	
Ethylbenzene	0.0794	0.00200	"	0.100	ND	79.4	70-130	3.80	20	
Naphthalene	0.0910	0.00380	"	0.100	ND	91.0	70-130	2.24	20	
Toluene	0.0780	0.00200	"	0.100	ND	78.0	70-130	2.21	20	
o-Xylene	0.0805	0.00200	"	0.100	ND	80.5	70-130	3.63	20	
m,p-Xylene	0.163	0.00400	"	0.200	ND	81.6	70-130	3.90	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		102	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		94.6	70-130			

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 9-33D

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B311944 - EPA 3550B										
Blank (B311944-BLK1)										
					Prepared: 09/19/2023 Analyzed: 09/19/2023					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	21		"	24.9		85.2	50-150			

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 9-33D

Extractable Petroleum Hydrocarbons by 8015D - 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 B311944 - EPA 3550B

LCS (B311944-BS1)

Prepared: 09/19/2023 Analyzed: 09/19/2023

Diesel (C10-C28)	795	50.0	mg/kg	1000		79.5	70-130			
Residual Range Organics (C28-C40)	980	200	"	1000		98.0	70-130			
Surrogate: o-Terphenyl	52		"	49.8		105	50-150			

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 9-33D

Extractable Petroleum Hydrocarbons by 8015D - 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 B311944 - EPA 3550B

Matrix Spike (B311944-MS1)	Source: Y309402-01			Prepared: 09/19/2023 Analyzed: 09/19/2023						
Diesel (C10-C28)	764	50.0	mg/kg	1000	ND	76.4	70-130			
Residual Range Organics (C28-C40)	923	200	"	1000	ND	92.3	70-130			
Surrogate: o-Terphenyl	38		"	49.8		76.6	50-150			

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 9-33D

Extractable Petroleum Hydrocarbons by 8015D - 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 B311944 - EPA 3550B

Matrix Spike Dup (B311944-MSD1)	Source: Y309402-01			Prepared: 09/19/2023 Analyzed: 09/19/2023						
Diesel (C10-C28)	775	50.0	mg/kg	1000	ND	77.5	70-130	1.43	35	
Residual Range Organics (C28-C40)	949	200	"	1000	ND	94.9	70-130	2.78	35	
Surrogate: o-Terphenyl	39		"	49.8		78.4	50-150			

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 9-33D

Extractable Petroleum Hydrocarbons by 8015D - 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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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 B3I1946 - EPA 3050B

Blank (B3I1946-BLK1)

Prepared: 09/19/2023 Analyzed: 09/21/2023

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

LCS (B3I1946-BS1)

Prepared: 09/19/2023 Analyzed: 09/21/2023

Arsenic	0.0443	0.000100	mg/kg	0.0500		88.6	80-120			
Barium	4.98	0.0100	"	5.00		99.6	80-120			
Cadmium	0.0456	0.000100	"	0.0500		91.3	80-120			
Copper	0.462	0.0100	"	0.500		92.4	80-120			
Lead	0.0515	0.0100	"	0.0500		103	80-120			
Nickel	0.0410	0.0100	"	0.0500		81.9	80-120			
Selenium	0.0491	0.000100	"	0.0500		98.2	80-120			
Silver	0.0462	0.000100	"	0.0500		92.4	80-120			
inc	0.402	0.100	"	0.500		80.4	80-120			

Matrix Spike (B3I1946-MS1)

Source: Y309401-01

Prepared: 09/19/2023 Analyzed: 09/21/2023

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 9-33D

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
Batch B311946 - EPA 3050B										
Matrix Spike (B311946-MS1)			Source: Y309401-01		Prepared: 09/19/2023 Analyzed: 09/21/2023					
Arsenic	9.85	0.0872	mg/kg	4.36	6.17	84.3	75-125			
Barium	569	8.72	"	436	208	82.8	75-125			
Cadmium	4.08	0.0872	"	4.36	0.203	88.9	75-125			
Copper	45.3	8.72	"	43.6	10.4	80.1	75-125			
Lead	13.2	8.72	"	4.36	9.60	82.8	75-125			
Nickel	13.1	8.72	"	4.36	10.3	63.8	75-125			M-07
Selenium	4.54	0.0872	"	4.36	0.172	100	75-125			
Silver	3.39	0.0872	"	4.36	0.0130	77.5	75-125			
inc	70.1	87.2	"	43.6	36.7	76.5	75-125			
Matrix Spike Dup (B311946-MSD1)			Source: Y309401-01		Prepared: 09/19/2023 Analyzed: 09/21/2023					
Arsenic	9.86	0.0880	mg/kg	4.40	6.17	83.8	75-125	0.110	20	
Barium	515	8.80	"	440	208	69.8	75-125	9.92	20	M-07
Cadmium	4.20	0.0880	"	4.40	0.203	90.8	75-125	3.01	20	
Copper	44.9	8.80	"	44.0	10.4	78.4	75-125	0.943	20	
Lead	13.2	8.80	"	4.40	9.60	82.4	75-125	0.157	20	
Nickel	12.8	8.80	"	4.40	10.3	57.7	75-125	1.86	20	M-07
Selenium	4.31	0.0880	"	4.40	0.172	94.1	75-125	5.10	20	
Silver	3.44	0.0880	"	4.40	0.0130	77.8	75-125	1.36	20	
inc	68.7	88.0	"	44.0	36.7	72.7	75-125	1.92	20	M-07

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.

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - 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 B311942 - EPA 3580

Blank (B311942-BLK1)

Prepared: 09/19/2023 Analyzed: 09/19/2023

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: luorene-d10	190		ug g	200		96.5	60-130			
Surrogate: nthracene-d10	210		"	200		106	60-130			
Surrogate: Benzo a pyrene-d12	210		"	200		103	60-130			
Surrogate: yrene-d10	200		"	200		102	60-130			

LCS (B311942-BS1)

Prepared: 09/19/2023 Analyzed: 09/19/2023

1-Methylnaphthalene	0.199	0.002	mg/kg	0.200		99.7	70-130			
2-Methylnaphthalene	0.196	0.002	"	0.200		98.2	70-130			
Acenaphthene	0.191	0.020	"	0.200		95.4	70-130			
Anthracene	0.200	0.020	"	0.200		100	70-130			

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 9-33D

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 B311942 - EPA 3580

LCS (B311942-BS1)

Prepared: 09/19/2023 Analyzed: 09/19/2023

Benzo (a) anthracene	0.182	0.005	mg/kg	0.200		90.9	70-130			
Benzo (a) pyrene	0.190	0.020	"	0.200		95.2	70-130			
Benzo (b) fluoranthene	0.224	0.020	"	0.200		112	70-130			
Benzo (g,h,i) perylene	0.210	0.020	"	0.200		105	70-130			
Benzo (k) fluoranthene	0.229	0.020	"	0.200		115	70-130			
Chrysene	0.173	0.020	"	0.200		86.4	70-130			
Dibenz (a,h) anthracene	0.228	0.020	"	0.200		114	70-130			
Fluoranthene	0.197	0.020	"	0.200		98.4	70-130			
Fluorene	0.185	0.020	"	0.200		92.7	70-130			
Indeno (1,2,3-cd) pyrene	0.205	0.020	"	0.200		103	70-130			
Naphthalene	0.197	0.002	"	0.200		98.6	70-130			
Phenanthrene	0.192	0.020	"	0.200		96.2	70-130			
Pyrene	0.161	0.020	"	0.200		80.6	70-130			
Surrogate: luorene-d10	190		ug g	200		94.9	60-130			
Surrogate: nthracene-d10	200		"	200		97.8	60-130			
Surrogate: Benzo a pyrene-d12	200		"	200		99.3	60-130			
Surrogate: yrene-d10	200		"	200		98.6	60-130			

Matrix Spike (B311942-MS1)

Source: Y309401-01

Prepared: 09/19/2023 Analyzed: 09/19/2023

1-Methylnaphthalene	0.194	0.002	mg/kg	0.200	0.0004	96.6	70-130			
2-Methylnaphthalene	0.191	0.002	"	0.200	ND	95.7	70-130			
Acenaphthene	0.194	0.020	"	0.200	ND	97.0	70-130			
Anthracene	0.199	0.020	"	0.200	0.001	99.1	70-130			
Benzo (a) anthracene	0.177	0.005	"	0.200	0.0005	88.4	70-130			
Benzo (a) pyrene	0.160	0.020	"	0.200	0.002	78.8	70-130			
Benzo (b) fluoranthene	0.162	0.020	"	0.200	0.001	80.6	70-130			
Benzo (g,h,i) perylene	0.194	0.020	"	0.200	ND	96.8	70-130			

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 9-33D

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 B3I1942 - EPA 3580

Matrix Spike (B3I1942-MS1)		Source: Y309401-01			Prepared: 09/19/2023 Analyzed: 09/19/2023					
Benzo (k) fluoranthene	0.191	0.020	mg/kg	0.200	ND	95.5	70-130			
Chrysene	0.169	0.020	"	0.200	0.0004	84.1	70-130			
Dibenz (a,h) anthracene	0.161	0.020	"	0.200	0.002	79.5	70-130			
Fluoranthene	0.204	0.020	"	0.200	ND	102	70-130			
Fluorene	0.210	0.020	"	0.200	ND	105	70-130			
Indeno (1,2,3-cd) pyrene	0.149	0.020	"	0.200	0.002	73.7	70-130			
Naphthalene	0.200	0.002	"	0.200	ND	100	70-130			
Phenanthrene	0.212	0.020	"	0.200	ND	106	70-130			
Pyrene	0.154	0.020	"	0.200	ND	77.1	70-130			
Surrogate: luorene-d10	220		ug g	200		108	60-130			
Surrogate: nthracene-d10	230		"	200		113	60-130			
Surrogate: Benzo a pyrene-d12	210		"	200		103	60-130			
Surrogate: yrene-d10	160		"	200		81.5	60-130			

Matrix Spike Dup (B3I1942-MSD1)		Source: Y309401-01			Prepared: 09/19/2023 Analyzed: 09/19/2023					
1-Methylnaphthalene	0.186	0.002	mg/kg	0.200	0.0004	93.0	70-130	3.82	20	
2-Methylnaphthalene	0.181	0.002	"	0.200	ND	90.3	70-130	5.73	20	
Acenaphthene	0.188	0.020	"	0.200	ND	94.2	70-130	3.03	20	
Anthracene	0.229	0.020	"	0.200	0.001	114	70-130	13.8	20	
Benzo (a) anthracene	0.198	0.005	"	0.200	0.0005	98.7	70-130	11.0	20	
Benzo (a) pyrene	0.182	0.020	"	0.200	0.002	90.0	70-130	13.1	20	
Benzo (b) fluoranthene	0.207	0.020	"	0.200	0.001	103	70-130	24.4	20	R-02
Benzo (g,h,i) perylene	0.169	0.020	"	0.200	ND	84.6	70-130	13.3	20	
Benzo (k) fluoranthene	0.224	0.020	"	0.200	ND	112	70-130	15.7	20	
Chrysene	0.197	0.020	"	0.200	0.0004	98.2	70-130	15.5	20	
Dibenz (a,h) anthracene	0.190	0.020	"	0.200	0.002	93.9	70-130	16.4	20	
Fluoranthene	0.236	0.020	"	0.200	ND	118	70-130	14.8	20	

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Eagle Environmental Consulting, LLC
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 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - 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 B311942 - EPA 3580

Matrix Spike Dup (B311942-MSD1)	Source: Y309401-01			Prepared: 09/19/2023 Analyzed: 09/19/2023						
Fluorene	0.186	0.020	mg/kg	0.200	ND	92.9	70-130	12.4	20	
Indeno (1,2,3-cd) pyrene	0.212	0.020	"	0.200	0.002	105	70-130	34.6	20	R-02
Naphthalene	0.205	0.002	"	0.200	ND	102	70-130	2.32	20	
Phenanthrene	0.199	0.020	"	0.200	ND	99.6	70-130	6.16	20	
Pyrene	0.204	0.020	"	0.200	ND	102	70-130	28.0	20	R-02
Surrogate: luorene-d10	210		ug g	200		104	60-130			
Surrogate: nthracene-d10	220		"	200		110	60-130			
Surrogate: Benzo a pyrene-d12	210		"	200		103	60-130			
Surrogate: yrene-d10	210		"	200		106	60-130			

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 9-33D

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 B3I2032 - Saturated Paste pH/EC

Duplicate (B3I2032-DUP1)

Source: Y309341-01

Prepared: 09/20/2023 Analyzed: 09/20/2023

pH	7.86		pH Units		7.94			1.01	25	
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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 9-33D

Notes and Definitions

U Sample is Non-Detect.

R-02 The RPD result exceeded the C control limits; however, both percent recoveries were acceptable. Sample results for the C batch were accepted based on percent recoveries and completeness of C data.

M-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.



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.



June 13, 2023

Eagle Environmental Consulting, LLC

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - UPRC 9-12J5

Project Number - [none]

Attached are your analytical results for KMG - UPRC 9-12J5 received by Origins Laboratory, Inc. June 07, 2023. This project is associated with Origins project number Y306177-01.

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 - UPRC 9-12J5

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FL-B05@4'	Y306177-01	Soil	June 7, 2023 14:15	06/07/2023 17:30
FL-B06@4'	Y306177-02	Soil	June 7, 2023 14:51	06/07/2023 17:30
FL-B07@4'	Y306177-03	Soil	June 7, 2023 15:47	06/07/2023 17:30

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.

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - UPRC 9-12J5

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4306177

Client: Eagle Environmental
 Client Project ID: UPRC 9-12J5

Checklist Completed by: EHS

Shipped Via: Hand Delivered
(UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Airbill #: N/A

Date/time completed: 6/7/23

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

Cooler Number/Temperature: 1 / 4.5 °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 ⁽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 analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		/		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	/			
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 (> ¼ 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 subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +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.

Emilia... 6/7/23
 Reviewed by (Project Manager) Date/Time Reviewed

Origins Laboratory, Inc.

J. Bynon

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.

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - UPRC 9-12J5

FL-B05@4'

6/7/2023 2:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y306177-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.114	0.0988	mg/L	1	B3F0813	KAP	06/08/2023	06/09/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3F0728	ZZZ	06/07/2023	06/07/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	74.4 %	50-150			"	"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3F0730	ZZZ	06/07/2023	06/08/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Naphthalene	ND	0.00380	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4	94.5 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	103 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %	70-130			"	"	"	"	

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 - UPRC 9-12J5

FL-B05@4'

6/7/2023 2:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y306177-01 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	1.72	0.499	meq/L	10	[CALC]	KAP	06/08/2023	06/09/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	ND	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.34		pH Units	1	B3F0825	HJD	06/08/2023	06/09/2023
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SAR by 20B Saturated Paste

SAR	0.132		SAR	1	B3F0821	KAP	06/08/2023	06/09/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.221	0.00500	mmhos/cm	1	B3F0825	HJD	06/08/2023	06/09/2023
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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 - UPRC 9-12J5

FL-B06@4'

6/7/2023 2:51:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y306177-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.302	0.0981	mg/L	1	B3F0813	KAP	06/08/2023	06/09/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3F0728	ZZZ	06/07/2023	06/07/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	82.3 %	50-150			"	"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3F0730	ZZZ	06/07/2023	06/08/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Naphthalene	ND	0.00380	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4	96.0 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	105 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %	70-130			"	"	"	"	

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 - UPRC 9-12J5

FL-B06@4'

6/7/2023 2:51:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.
 Y306177-02 (Soil)**

Metals by Saturated Paste by EPA 6010

Calcium	1.68	0.499	meq/L	10	[CALC]	KAP	06/08/2023	06/09/2023	
Magnesium	ND	0.823	"	"	"	KAP	"	"	
Sodium	ND	0.435	"	"	"	KAP	"	"	

pH in Soil by 9045D

pH	8.33		pH Units	1	B3F0825	HJD	06/08/2023	06/09/2023	
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SAR by 20B Saturated Paste

SAR	0.0799		SAR	1	B3F0821	KAP	06/08/2023	06/09/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.252	0.00500	mmhos/cm	1	B3F0825	HJD	06/08/2023	06/09/2023	
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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.

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - UPRC 9-12J5

FL-B07@4'

6/7/2023 3:47:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y306177-03 (Soil)

Boron (DTPA Sorbitol)

Boron	0.139	0.0985	mg/L	1	B3F0813	KAP	06/08/2023	06/09/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3F0728	ZZZ	06/07/2023	06/07/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	84.9 %	50-150			"	"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3F0730	ZZZ	06/07/2023	06/08/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Naphthalene	ND	0.00380	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4	94.4 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	103 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %	70-130			"	"	"	"	

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 - UPRC 9-12J5

FL-B07@4'

6/7/2023 3:47:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y306177-03 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	1.42	0.499	meq/L	10	[CALC]	KAP	06/08/2023	06/09/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	ND	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.30		pH Units	1	B3F0825	HJD	06/08/2023	06/09/2023
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SAR by 20B Saturated Paste

SAR	0.291		SAR	1	B3F0821	KAP	06/08/2023	06/09/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.254	0.00500	mmhos/cm	1	B3F0825	HJD	06/08/2023	06/09/2023
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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.

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - UPRC 9-12J5

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3F0728 - EPA 3550B										
Blank (B3F0728-BLK1)										
					Prepared: 06/07/2023 Analyzed: 06/07/2023					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	21		"	24.9		85.9	50-150			

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 - UPRC 9-12J5

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3F0728 - EPA 3550B										
LCS (B3F0728-BS1)					Prepared: 06/07/2023 Analyzed: 06/07/2023					
Diesel (C10-C28)	941	50.0	mg/kg	1000		94.1	70-130			
Residual Range Organics (C28-C40)	931	200	"	1000		93.1	70-130			
Surrogate: o-Terphenyl	43		"	49.8		85.8	50-150			

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.

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - UPRC 9-12J5

Extractable Petroleum Hydrocarbons by 8015D - 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 B3F0728 - EPA 3550B

Matrix Spike (B3F0728-MS1)	Source: Y306151-02			Prepared: 06/07/2023 Analyzed: 06/07/2023						
Diesel (C10-C28)	1020	50.0	mg/kg	1000	50.2	96.5	70-130			
Residual Range Organics (C28-C40)	945	200	"	1000	ND	94.5	70-130			
Surrogate: o-Terphenyl	39		"	49.8		78.2	50-150			

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.

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - UPRC 9-12J5

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3F0728 - EPA 3550B										
Matrix Spike Dup (B3F0728-MSD1)		Source: Y306151-02			Prepared: 06/07/2023 Analyzed: 06/07/2023					
Diesel (C10-C28)	1010	50.0	mg/kg	1000	50.2	96.1	70-130	0.344	35	
Residual Range Organics (C28-C40)	976	200	"	1000	ND	97.6	70-130	3.28	35	
Surrogate: o-Terphenyl	43		"	49.8		86.4	50-150			

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.

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - UPRC 9-12J5

Extractable Petroleum Hydrocarbons by 8015D - 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 B3F0730 - EPA 5030 (soil)

Blank (B3F0730-BLK1)

Prepared: 06/07/2023 Analyzed: 06/07/2023

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125	94.3		70-130			
Surrogate: Toluene-d8	0.13		"	0.125	104		70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125	103		70-130			

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.

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - UPRC 9-12J5

Volatile Organic Compounds by GC/MS SW846 8260D - 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 B3F0730 - EPA 5030 (soil)

LCS (B3F0730-BS1)

Prepared: 06/07/2023 Analyzed: 06/07/2023

1,2,4-Trimethylbenzene	0.106	0.00200	mg/kg	0.100		106	70-130			
1,3,5-Trimethylbenzene	0.105	0.00200	"	0.100		105	70-130			
Benzene	0.0895	0.00200	"	0.100		89.5	70-130			
Ethylbenzene	0.0996	0.00200	"	0.100		99.6	70-130			
Naphthalene	0.112	0.00380	"	0.100		112	70-130			
Toluene	0.0983	0.00200	"	0.100		98.3	70-130			
o-Xylene	0.100	0.00200	"	0.100		100	70-130			
m,p-Xylene	0.198	0.00400	"	0.200		99.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		97.8	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		104	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		100	70-130			

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.

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - UPRC 9-12J5

Volatile Organic Compounds by GC/MS SW846 8260D - 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 B3F0730 - EPA 5030 (soil)

Matrix Spike (B3F0730-MS1)	Source: Y306151-01			Prepared: 06/07/2023 Analyzed: 06/07/2023						
1,2,4-Trimethylbenzene	0.0847	0.00200	mg/kg	0.100	ND	84.7	70-130			
1,3,5-Trimethylbenzene	0.0875	0.00200	"	0.100	ND	87.5	70-130			
Benzene	0.0762	0.00200	"	0.100	ND	76.2	70-130			
Ethylbenzene	0.0831	0.00200	"	0.100	ND	83.1	70-130			
Naphthalene	0.102	0.00380	"	0.100	ND	102	70-130			
Toluene	0.0858	0.00200	"	0.100	ND	85.8	70-130			
o-Xylene	0.0868	0.00200	"	0.100	ND	86.8	70-130			
m,p-Xylene	0.165	0.00400	"	0.200	ND	82.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		103	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		103	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		95.4	70-130			

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 - UPRC 9-12J5

Volatile Organic Compounds by GC/MS SW846 8260D - 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 B3F0730 - EPA 5030 (soil)

Matrix Spike Dup (B3F0730-MSD1)	Source: Y306151-01			Prepared: 06/07/2023 Analyzed: 06/07/2023						
1,2,4-Trimethylbenzene	0.0882	0.00200	mg/kg	0.100	ND	88.2	70-130	4.05	20	
1,3,5-Trimethylbenzene	0.0899	0.00200	"	0.100	ND	89.9	70-130	2.66	20	
Benzene	0.0751	0.00200	"	0.100	ND	75.1	70-130	1.51	20	
Ethylbenzene	0.0851	0.00200	"	0.100	ND	85.1	70-130	2.43	20	
Naphthalene	0.107	0.00380	"	0.100	ND	107	70-130	4.90	20	
Toluene	0.0847	0.00200	"	0.100	ND	84.7	70-130	1.29	20	
o-Xylene	0.0879	0.00200	"	0.100	ND	87.9	70-130	1.21	20	
m,p-Xylene	0.168	0.00400	"	0.200	ND	84.2	70-130	1.82	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		102	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		103	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		96.9	70-130			

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 - UPRC 9-12J5

Volatile Organic Compounds by GC/MS SW846 8260D - 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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Classical Chemistry Parameters - 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 B3F0813 - DTPA Sorbitol Preparation

Blank (B3F0813-BLK1)

Prepared: 06/08/2023 Analyzed: 06/09/2023

Boron ND 0.100 mg/L

Duplicate (B3F0813-DUP1)

Source: Y306177-01

Prepared: 06/08/2023 Analyzed: 06/09/2023

Boron 0.118 0.102 mg/L 0.114 2.84 50

Batch B3F0821 - Saturated Paste Metals

Blank (B3F0821-BLK1)

Prepared: 06/08/2023 Analyzed: 06/09/2023

SAR 0.00 SAR

Calcium PPM ND 10.0 mg/L

Magnesium PPM ND 10.0 "

Sodium PPM ND 10.0 "

Duplicate (B3F0821-DUP1)

Source: Y306176-01

Prepared: 06/08/2023 Analyzed: 06/09/2023

SAR 0.00 SAR 0.304 200 200

Calcium PPM 23.8 10.0 mg/L 25.8 8.31 50

Magnesium PPM 3.02 10.0 " 3.15 4.21 50

Sodium PPM 4.32 10.0 " 6.15 35.0 50

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 - UPRC 9-12J5

Saturated Paste - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3F0825 - Saturated Paste pH/EC										
Blank (B3F0825-BLK1)					Prepared: 06/08/2023 Analyzed: 06/09/2023					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							
Duplicate (B3F0825-DUP1)		Source: Y306176-01			Prepared: 06/08/2023 Analyzed: 06/09/2023					
Specific Conductance (EC)	0.189	0.00500	mmhos/cm		0.200			5.56	25	
pH	8.32		pH Units		8.32			0.00	25	

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 - UPRC 9-12J5

Notes and Definitions

U Sample is Non-Detect.

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.



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



June 13, 2023

Eagle Environmental Consulting, LLC

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - UPRC 9-12J5

Project Number - [none]

Attached are your analytical results for KMG - UPRC 9-12J5 received by Origins Laboratory, Inc. June 06, 2023. This project is associated with Origins project number Y306135-01.

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 - UPRC 9-12J5

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-B01@6'	Y306135-01	Soil	June 6, 2023 13:57	06/06/2023 17:55
FL-B01@4'	Y306135-02	Soil	June 6, 2023 14:08	06/06/2023 17:55

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.

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - UPRC 9-12J5

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4306135

Client: Eagle Environmental

Client Project ID: UPRC 9-12J5

Checklist Completed by: EHS

Shipped Via: Hand Delivered

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 6/6/12

Airbill #: N/A

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

Cooler Number/Temperature: 1 / 2 °C _____ °C _____ °C (Describe) _____ °C

Thermometer ID: TOOU

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 analytes or samples with HT's due within 48 hours present ⁽¹⁾ ?		/		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	/			
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 (> ¼ 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 subcontracted 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.

[Signature]
 Reviewed by (Project Manager)

6/6/12
 Date/Time Reviewed

Origins Laboratory, Inc.

[Signature]

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.

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - UPRC 9-12J5

WH-B01@6'
 6/6/2023 1:57:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y306135-01 (Soil)

Boron (DTPA Sorbitol)

Boron	1.31	0.0992	mg/L	1	B3F0702	KAP	06/07/2023	06/08/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3F0628	ZZZ	06/06/2023	06/07/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	91.7 %	50-150			"	"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3F0632	JSM	06/06/2023	06/06/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Naphthalene	ND	0.00380	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	JSM	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4	95.2 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	96.9 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	84.1 %	70-130			"	"	"	"	

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.

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - UPRC 9-12J5

WH-B01@6'

6/6/2023 1:57:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y306135-01 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	0.830	0.499	meq/L	10	[CALC]	KAP	06/07/2023	06/08/2023	
Magnesium	1.34	0.823	"	"	"	KAP	"	"	
Sodium	1.49	0.435	"	"	"	KAP	"	"	

pH in Soil by 9045D

pH	8.36		pH Units	1	B3F0709	HJD	06/07/2023	06/08/2023	
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SAR by 20B Saturated Paste

SAR	1.43		SAR	1	B3F0705	KAP	06/07/2023	06/08/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.426	0.00500	mmhos/cm	1	B3F0709	HJD	06/07/2023	06/08/2023	
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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 - UPRC 9-12J5

FL-B01@4'

6/6/2023 2:08:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y306135-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.668	0.100	mg/L	1	B3F0702	KAP	06/07/2023	06/08/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3F0628	ZZZ	06/06/2023	06/07/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	93.7 %	50-150			"	"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3F0632	JSM	06/06/2023	06/06/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Naphthalene	ND	0.00380	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	JSM	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4	97.0 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	96.3 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	84.8 %	70-130			"	"	"	"	

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 - UPRC 9-12J5

FL-B01@4'

6/6/2023 2:08:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y306135-02 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	1.13	0.499	meq/L	10	[CALC]	KAP	06/07/2023	06/08/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	0.561	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.37		pH Units	1	B3F0709	HJD	06/07/2023	06/08/2023
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SAR by 20B Saturated Paste

SAR	0.668		SAR	1	B3F0705	KAP	06/07/2023	06/08/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.433	0.00500	mmhos/cm	1	B3F0709	HJD	06/07/2023	06/08/2023
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Origins Laboratory, Inc.



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 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - UPRC 9-12J5

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3F0628 - EPA 3550B										
Blank (B3F0628-BLK1)										
					Prepared: 06/06/2023 Analyzed: 06/06/2023					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	24		"	24.9		95.3	50-150			

Origins Laboratory, Inc.



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Dan Coloccia
 Project Number: [none]
 Project: KMG - UPRC 9-12J5

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3F0628 - EPA 3550B										
LCS (B3F0628-BS1)										
					Prepared: 06/06/2023 Analyzed: 06/06/2023					
Diesel (C10-C28)	922	50.0	mg/kg	1000		92.2	70-130			
Residual Range Organics (C28-C40)	946	200	"	1000		94.6	70-130			
Surrogate: o-Terphenyl	58		"	49.8		117	50-150			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
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 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - UPRC 9-12J5

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3F0628 - EPA 3550B										
Matrix Spike (B3F0628-MS1)		Source: Y306128-01			Prepared: 06/06/2023 Analyzed: 06/06/2023					
Diesel (C10-C28)	896	50.0	mg/kg	1000	ND	89.6	70-130			
Residual Range Organics (C28-C40)	921	200	"	1000	ND	92.1	70-130			
Surrogate: o-Terphenyl	54		"	49.8		108	50-150			

Origins Laboratory, Inc.



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 8000 W 44th Ave
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Dan Coloccia
 Project Number: [none]
 Project: KMG - UPRC 9-12J5

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3F0628 - EPA 3550B										
Matrix Spike Dup (B3F0628-MSD1)					Source: Y306128-01					Prepared: 06/06/2023 Analyzed: 06/06/2023
Diesel (C10-C28)	916	50.0	mg/kg	1000	ND	91.6	70-130	2.14	35	
Residual Range Organics (C28-C40)	926	200	"	1000	ND	92.6	70-130	0.441	35	
Surrogate: o-Terphenyl	55		"	49.8		110	50-150			

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 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - UPRC 9-12J5

Extractable Petroleum Hydrocarbons by 8015D - 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 B3F0632 - EPA 5030 (soil)

Blank (B3F0632-BLK1)

Prepared: 06/06/2023 Analyzed: 06/06/2023

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125	93.7		70-130			
Surrogate: Toluene-d8	0.12		"	0.125	97.3		70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125	84.5		70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
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 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - UPRC 9-12J5

Volatile Organic Compounds by GC/MS SW846 8260D - 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 B3F0632 - EPA 5030 (soil)

LCS (B3F0632-BS1)

Prepared: 06/06/2023 Analyzed: 06/06/2023

1,2,4-Trimethylbenzene	0.112	0.00200	mg/kg	0.100		112	70-130			
1,3,5-Trimethylbenzene	0.110	0.00200	"	0.100		110	70-130			
Benzene	0.114	0.00200	"	0.100		114	70-130			
Ethylbenzene	0.105	0.00200	"	0.100		105	70-130			
Naphthalene	0.116	0.00380	"	0.100		116	70-130			
Toluene	0.105	0.00200	"	0.100		105	70-130			
o-Xylene	0.108	0.00200	"	0.100		108	70-130			
m,p-Xylene	0.218	0.00400	"	0.200		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		91.2	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		91.7	70-130			

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 - UPRC 9-12J5

Volatile Organic Compounds by GC/MS SW846 8260D - 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 B3F0632 - EPA 5030 (soil)

Matrix Spike (B3F0632-MS1)	Source: Y306132-09			Prepared: 06/06/2023 Analyzed: 06/06/2023						
1,2,4-Trimethylbenzene	0.103	0.00200	mg/kg	0.100	ND	103	70-130			
1,3,5-Trimethylbenzene	0.101	0.00200	"	0.100	ND	101	70-130			
Benzene	0.104	0.00200	"	0.100	ND	104	70-130			
Ethylbenzene	0.0995	0.00200	"	0.100	ND	99.5	70-130			
Naphthalene	0.120	0.00380	"	0.100	0.000760	119	70-130			
Toluene	0.0964	0.00200	"	0.100	ND	96.4	70-130			
o-Xylene	0.102	0.00200	"	0.100	ND	102	70-130			
m,p-Xylene	0.205	0.00400	"	0.200	ND	103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		91.5	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		94.8	70-130			

Origins Laboratory, Inc.



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 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - UPRC 9-12J5

Volatile Organic Compounds by GC/MS SW846 8260D - 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 B3F0632 - EPA 5030 (soil)

Matrix Spike Dup (B3F0632-MSD1)	Source: Y306132-09			Prepared: 06/06/2023 Analyzed: 06/06/2023						
1,2,4-Trimethylbenzene	0.103	0.00200	mg/kg	0.100	ND	103	70-130	0.156	20	
1,3,5-Trimethylbenzene	0.102	0.00200	"	0.100	ND	102	70-130	0.276	20	
Benzene	0.103	0.00200	"	0.100	ND	103	70-130	0.502	20	
Ethylbenzene	0.0965	0.00200	"	0.100	ND	96.5	70-130	3.04	20	
Naphthalene	0.113	0.00380	"	0.100	0.000760	112	70-130	6.26	20	
Toluene	0.0949	0.00200	"	0.100	ND	94.9	70-130	1.57	20	
o-Xylene	0.0997	0.00200	"	0.100	ND	99.7	70-130	2.71	20	
m,p-Xylene	0.199	0.00400	"	0.200	ND	99.7	70-130	2.77	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		92.8	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		93.7	70-130			

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 - UPRC 9-12J5

Volatile Organic Compounds by GC/MS SW846 8260D - 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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Classical Chemistry Parameters - 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 B3F0702 - DTPA Sorbitol Preparation

Blank (B3F0702-BLK1)

Prepared: 06/07/2023 Analyzed: 06/08/2023

Boron ND 0.100 mg/L

Duplicate (B3F0702-DUP1)

Source: Y306127-01

Prepared: 06/07/2023 Analyzed: 06/08/2023

Boron 0.0401 0.0993 mg/L 0.0418 4.10 50

Batch B3F0705 - Saturated Paste Metals

Blank (B3F0705-BLK1)

Prepared: 06/07/2023 Analyzed: 06/08/2023

Calcium PPM ND 10.0 mg/L

SAR 0.00 SAR

Magnesium PPM ND 10.0 mg/L

Sodium PPM ND 10.0 "

Duplicate (B3F0705-DUP1)

Source: Y306127-01

Prepared: 06/07/2023 Analyzed: 06/08/2023

Calcium PPM 331 10.0 mg/L 238 32.6 50

SAR 0.00 SAR 1.39 200 200

Magnesium PPM 149 10.0 mg/L 115 25.7 50

Sodium PPM 113 10.0 " 104 7.97 50

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 - UPRC 9-12J5

Saturated Paste - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3F0709 - Saturated Paste pH/EC										
Blank (B3F0709-BLK1)					Prepared: 06/07/2023 Analyzed: 06/08/2023					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							
Duplicate (B3F0709-DUP1)		Source: Y306127-01			Prepared: 06/07/2023 Analyzed: 06/08/2023					
Specific Conductance (EC)	2.57	0.00500	mmhos/cm		2.20			15.2	25	
pH	0.00		pH Units		7.69				25	

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 - UPRC 9-12J5

Notes and Definitions

U Sample is Non-Detect.

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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Jordan A. Bynon, Project Manager