



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



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
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.

ORIGINS LABORATORY, INC

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

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

ORIGINS LABORATORY, INC

300134
Initial

page 1 of 1

Client: Eagle Environmental (604)
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
WH-060106'	6/12/13	1344	3	X	X	Asst SAR ECIPH TRH TMB GTEX Other	All metals added to all BG samples per manuals email on 9/8
FL-060104'		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:	Date:	Time:	Received By:	Date:	Time:	Uranium Time:	
		750				Some Day	24 hr
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	48 hr	72 hr
						Standard	

Date Results Needed: 2
Temp Received: 2

Origins Laboratory, Inc.
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.

Jordan A. Bynon, Project Manager

ORIGINS LABORATORY, INC

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

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

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

Sample Receipt Checklist

Origins Work Order: U300130A 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: 6/16/23 Airbill #: N/A
Matrix(s) Received: (Check all that apply) Soil/Solid Water Other: _____
(Describe)
Cooler Number/Temperature: 1/2 °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⁾ ?	<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 sub-contracted analysis 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 be taken in the additional comments (above) and the case narrative.

[Signature]
Reviewed by (Project Manager)

6/16/23
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.

Jordan A. Bynon, Project Manager

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

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

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

Origins Laboratory, Inc.
Y306134-01 (Soil)

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Boron (DTPA Sorbitol)

Boron	0.701		0.0997	mg/L	1	B3F0702	06/07/2023	06/08/2023	
-------	-------	--	--------	------	---	---------	------------	------------	--

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	"	"	"	"	"	
------------------------	-------	--	--------	---	---	---	---	---	--

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.



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

Origins Laboratory, Inc.
Y306134-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	96.6 %		70-130			B3F06 32	06/06/2023	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	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	3.73			SAR	1	B3F0705	06/07/2023	06/08/2023	
-----	------	--	--	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

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

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 9-32D

FL-B01@4'

6/6/2023 1:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y306134-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.199		0.0995	mg/L	1	B3F0702	06/07/2023	06/08/2023	
-------	-------	--	--------	------	---	---------	------------	------------	--

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	"	"	"	"	"	
------------------------	-------	--	--------	---	---	---	---	---	--

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.



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-B01@4'

6/6/2023 1:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y306134-02 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	95.0 %		70-130			B3F06 32	06/06/2023	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	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	1.21			SAR	1	B3F0705	06/07/2023	06/08/2023	
-----	------	--	--	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

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

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 9-32D

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

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y306134-03 (Soil)

Boron (DTPA Sorbitol)

Boron	0.192		0.100	mg/L	1	B3F0702	06/07/2023	06/08/2023	
-------	-------	--	-------	------	---	---------	------------	------------	--

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

SAR by 20B Saturated Paste

SAR	2.62			SAR	1	B3F0705	06/07/2023	06/08/2023	
-----	------	--	--	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.304		0.00500	mmhos/cm	1	B3F0709	06/07/2023	06/08/2023	
---------------------------	-------	--	---------	----------	---	---------	------------	------------	--

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.



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@3'
6/6/2023 3:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

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	"	"	"	"	"	"
Zinc	ND		93.6	"	"	"	"	"	"

Total Metals by 7196A

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

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 9-32D

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

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y306134-04 (Soil)

Boron (DTPA Sorbitol)

Boron	0.138		0.101	mg/L	1	B3F0702	06/07/2023	06/08/2023	
-------	-------	--	-------	------	---	---------	------------	------------	--

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

SAR by 20B Saturated Paste

SAR	2.44			SAR	1	B3F0705	06/07/2023	06/08/2023	
-----	------	--	--	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.400		0.00500	mmhos/cm	1	B3F0709	06/07/2023	06/08/2023	
---------------------------	-------	--	---------	----------	---	---------	------------	------------	--

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.



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

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	"	"	"	"	"	"
Zinc	ND		90.2	"	"	"	"	"	"

Total Metals by 7196A

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

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 9-32D

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

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y306134-05 (Soil)

Boron (DTPA Sorbitol)

Boron	0.166		0.0992	mg/L	1	B3F0702	06/07/2023	06/08/2023	
-------	-------	--	--------	------	---	---------	------------	------------	--

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

SAR by 20B Saturated Paste

SAR	2.43			SAR	1	B3F0705	06/07/2023	06/08/2023	
-----	------	--	--	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.470		0.00500	mmhos/cm	1	B3F0709	06/07/2023	06/08/2023	
---------------------------	-------	--	---------	----------	---	---------	------------	------------	--

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.



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

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

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	"	"	"	"	"	"
Zinc	ND		92.0	"	"	"	"	"	"

Total Metals by 7196A

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

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 9-32D

WH-BG02@6'
6/6/2023 3:16:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y306134-06 (Soil)

Boron (DTPA Sorbitol)

Boron	0.342	0.101	mg/L	1	B3F0702	06/07/2023	06/08/2023
-------	-------	-------	------	---	---------	------------	------------

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

SAR by 20B Saturated Paste

SAR	3.51		SAR	1	B3F0705	06/07/2023	06/08/2023
-----	------	--	-----	---	---------	------------	------------

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.942	0.00500	mmhos/cm	1	B3F0709	06/07/2023	06/08/2023
---------------------------	-------	---------	----------	---	---------	------------	------------

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.



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-BG02@6'
6/6/2023 3:16:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

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	"	"	"	"	"	"
Zinc	ND		88.1	"	"	"	"	"	"

Total Metals by 7196A

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

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 9-32D

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

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y306134-07 (Soil)

Boron (DTPA Sorbitol)

Boron	0.221		0.100	mg/L	1	B3F0702	06/07/2023	06/08/2023	
-------	-------	--	-------	------	---	---------	------------	------------	--

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

SAR by 20B Saturated Paste

SAR	0.707			SAR	1	B3F0705	06/07/2023	06/08/2023	
-----	-------	--	--	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.220		0.00500	mmhos/cm	1	B3F0709	06/07/2023	06/08/2023	
---------------------------	-------	--	---------	----------	---	---------	------------	------------	--

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.



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

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

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	"	"	"	"	"	"
Zinc	ND		95.7	"	"	"	"	"	"

Total Metals by 7196A

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

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 9-32D

WH-BG03@6'
6/6/2023 3:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y306134-08 (Soil)

Boron (DTPA Sorbitol)

Boron	0.194	0.101	mg/L	1	B3F0702	06/07/2023	06/08/2023
-------	-------	-------	------	---	---------	------------	------------

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

SAR by 20B Saturated Paste

SAR	1.17		SAR	1	B3F0705	06/07/2023	06/08/2023
-----	------	--	-----	---	---------	------------	------------

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.376	0.00500	mmhos/cm	1	B3F0709	06/07/2023	06/08/2023
---------------------------	-------	---------	----------	---	---------	------------	------------

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.



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-BG03@6'
6/6/2023 3:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

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	"	"	"	"	"	
Zinc	ND		89.5	"	"	"	"	"	

Total Metals by 7196A

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

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 9-32D

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

Origins Laboratory, Inc.
Y306134-09 (Soil)

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Boron (DTPA Sorbitol)

Boron	0.218		0.100	mg/L	1	B3F0702	06/07/2023	06/08/2023	
-------	-------	--	-------	------	---	---------	------------	------------	--

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

SAR by 20B Saturated Paste

SAR	0.469			SAR	1	B3F0705	06/07/2023	06/08/2023	
-----	-------	--	--	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.322		0.00500	mmhos/cm	1	B3F0709	06/07/2023	06/08/2023	
---------------------------	-------	--	---------	----------	---	---------	------------	------------	--

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.



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@3'
6/6/2023 3:22:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

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	"	"	"	"	"	"
Zinc	ND		92.6	"	"	"	"	"	"

Total Metals by 7196A

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

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 9-32D

WH-BG04@6'
6/6/2023 3:24:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y306134-10 (Soil)

Boron (DTPA Sorbitol)

Boron	0.336		0.0995	mg/L	1	B3F0702	06/07/2023	06/08/2023	
-------	-------	--	--------	------	---	---------	------------	------------	--

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

SAR by 20B Saturated Paste

SAR	2.03			SAR	1	B3F0705	06/07/2023	06/08/2023	
-----	------	--	--	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	3.01		0.00500	mmhos/cm	1	B3F0709	06/07/2023	06/08/2023	
---------------------------	------	--	---------	----------	---	---------	------------	------------	--

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

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	"	"	"	"	"	"
Zinc	ND		91.7	"	"	"	"	"	"

Total Metals by 7196A

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

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 9-32D

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.

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

Jordan A. Bynon, Project Manager



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

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

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.

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

Jordan A. Bynon, Project Manager

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

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

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.



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

Jordan A. Bynon, Project Manager



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

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

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.

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

Jordan A. Bynon, Project Manager



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

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

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 B3F0632 - EPA 5030 (soil)

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

Blank (B3F0632-BLK1)

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.

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

Jordan A. Bynon, Project Manager



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

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

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 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.

Jordan A. Bynon, Project Manager



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

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

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 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.

Jordan A. Bynon, Project Manager



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

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

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 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.

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

Jordan A. Bynon, Project Manager



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

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

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

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 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	"							
Zinc	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			
Zinc	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.

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

Jordan A. Bynon, Project Manager



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

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

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 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			
Zinc	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	
Zinc	75.0	91.9	"	45.9	26.7	105	75-125	3.65	20	

Origins Laboratory, Inc.

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

Jordan A. Bynon, Project Manager



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

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

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 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.

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

Jordan A. Bynon, Project Manager



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

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

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.

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

Jordan A. Bynon, Project Manager



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

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

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.

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

Jordan A. Bynon, Project Manager



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

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

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: 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.

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

Jordan A. Bynon, Project Manager

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

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

Notes and Definitions

- U Sample is Non-Detect.
- * 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.