



August 17, 2023

Eagle Environmental Consulting, LLC

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - Brandel 5-14A

Project Number - [none]

Attached are your analytical results for KMG - Brandel 5-14A received by Origins Laboratory, Inc. August 14, 2023. This project is associated with Origins project number Y308351-01.

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 - Brandel 5-14A

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-B01@8'	Y308351-01	Soil	August 14, 2023 13:03	08/14/2023 17:11
WH-N01@7'	Y308351-02	Soil	August 14, 2023 13:05	08/14/2023 17:11
FL-B01@6'	Y308351-03	Soil	August 14, 2023 13:07	08/14/2023 17:11
FL-B02@4'	Y308351-04	Soil	August 14, 2023 15:23	08/14/2023 17:11
WH-BG01@3'	Y308351-05	Soil	August 14, 2023 14:11	08/14/2023 17:11
WH-BG01@6'	Y308351-06	Soil	August 14, 2023 14:13	08/14/2023 17:11
WH-BG02@3'	Y308351-07	Soil	August 14, 2023 14:17	08/14/2023 17:11
WH-BG02@6'	Y308351-08	Soil	August 14, 2023 14:19	08/14/2023 17:11
WH-BG03@3'	Y308351-09	Soil	August 14, 2023 14:23	08/14/2023 17:11
WH-BG03@6'	Y308351-10	Soil	August 14, 2023 14:25	08/14/2023 17:11

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 - Brandel 5-14A

Origins Laboratory

Sample Receipt Checklist

F-012207-01-R
Effective Date: 01/09/1

Origins Work Order: MB08351

Client: Eagle Environmental
Client Project ID: Brandel 5-14A

Checklist Completed by: TSH
Date/time completed: 8/14/23

Shipped Via: HD
(UPS, FedEx, Hand Delivered, Pick-up, etc.)
Airbill #: N/A

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

Cooler Number/Temperature: 1 / 1.9 °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 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) Udh

8/14/23
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 - Brandel 5-14A

WH-B01@8'
8/14/2023 1:03:00PM

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

Origins Laboratory, Inc.
Y308351-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.265	0.0994	mg/L	1	B3H1504	KAP	08/15/2023	08/16/2023	
-------	-------	--------	------	---	---------	-----	------------	------------	--

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3H1432	ZZZ	08/14/2023	08/14/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	92.3 %	50-150			"	"	"	
------------------------	--------	--------	--	--	---	---	---	--

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3H1431	HKS	08/14/2023	08/14/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Benzene	ND	0.00200	"	"	"	HKS	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Naphthalene	ND	0.00380	"	"	"	HKS	"	"	U
Toluene	ND	0.00200	"	"	"	HKS	"	"	U
Xylenes, total	ND	0.00200	"	"	"	HKS	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HKS	"	"	U

Surrogate: 1,2-Dichloroethane-d4	113 %	70-130			"	"	"
Surrogate: Toluene-d8	103 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	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 - Brandel 5-14A

WH-B01@8'

8/14/2023 1:03:00PM

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

Origins Laboratory, Inc.
Y308351-01 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	0.982	0.499	meq/L	10	[CALC]	KAP	08/15/2023	08/16/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	2.11	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.46		pH Units	1	B3H1510	HJD	08/15/2023	08/16/2023
----	------	--	----------	---	---------	-----	------------	------------

SAR by 20B Saturated Paste

SAR	2.58		SAR	1	B3H1507	KAP	08/15/2023	08/16/2023
-----	------	--	-----	---	---------	-----	------------	------------

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.564	0.00500	mmhos/cm	1	B3H1510	HJD	08/15/2023	08/16/2023
---------------------------	-------	---------	----------	---	---------	-----	------------	------------

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 - Brandel 5-14A

WH-N01@7'
8/14/2023 1:05:00PM

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

Origins Laboratory, Inc.
Y308351-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.141	0.0993	mg/L	1	B3H1504	KAP	08/15/2023	08/16/2023	
-------	-------	--------	------	---	---------	-----	------------	------------	--

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3H1432	ZZZ	08/14/2023	08/14/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	98.0 %	50-150			"	"	"	
------------------------	--------	--------	--	--	---	---	---	--

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3H1431	HKS	08/14/2023	08/14/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Benzene	ND	0.00200	"	"	"	HKS	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Naphthalene	ND	0.00380	"	"	"	HKS	"	"	U
Toluene	ND	0.00200	"	"	"	HKS	"	"	U
Xylenes, total	ND	0.00200	"	"	"	HKS	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HKS	"	"	U

Surrogate: 1,2-Dichloroethane-d4	114 %	70-130			"	"	"
Surrogate: Toluene-d8	103 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	106 %	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 - Brandel 5-14A

WH-N01@7'

8/14/2023 1:05:00PM

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

Origins Laboratory, Inc.
Y308351-02 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	2.23	0.499	meq/L	10	[CALC]	KAP	08/15/2023	08/16/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	2.01	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	7.92		pH Units	1	B3H1510	HJD	08/15/2023	08/16/2023
----	------	--	----------	---	---------	-----	------------	------------

SAR by 20B Saturated Paste

SAR	1.65		SAR	1	B3H1507	KAP	08/15/2023	08/16/2023
-----	------	--	-----	---	---------	-----	------------	------------

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.883	0.00500	mmhos/cm	1	B3H1510	HJD	08/15/2023	08/16/2023
---------------------------	-------	---------	----------	---	---------	-----	------------	------------

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 - Brandel 5-14A

FL-B01@6'

8/14/2023 1:07:00PM

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

Origins Laboratory, Inc.
Y308351-03 (Soil)

Boron (DTPA Sorbitol)

Boron	0.120	0.0989	mg/L	1	B3H1504	KAP	08/15/2023	08/16/2023	
-------	-------	--------	------	---	---------	-----	------------	------------	--

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3H1432	ZZZ	08/14/2023	08/14/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	95.3 %	50-150			"	"	"	
------------------------	--------	--------	--	--	---	---	---	--

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3H1431	HKS	08/14/2023	08/14/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Benzene	ND	0.00200	"	"	"	HKS	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Naphthalene	ND	0.00380	"	"	"	HKS	"	"	U
Toluene	ND	0.00200	"	"	"	HKS	"	"	U
Xylenes, total	ND	0.00200	"	"	"	HKS	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HKS	"	"	U

Surrogate: 1,2-Dichloroethane-d4	111 %	70-130			"	"	"
Surrogate: Toluene-d8	102 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	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 - Brandel 5-14A

FL-B01@6'

8/14/2023 1:07:00PM

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

Origins Laboratory, Inc.
Y308351-03 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	0.604	0.499	meq/L	10	[CALC]	KAP	08/15/2023	08/16/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	1.49	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	7.35		pH Units	1	B3H1510	HJD	08/15/2023	08/16/2023
----	------	--	----------	---	---------	-----	------------	------------

SAR by 20B Saturated Paste

SAR	2.27		SAR	1	B3H1507	KAP	08/15/2023	08/16/2023
-----	------	--	-----	---	---------	-----	------------	------------

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.286	0.00500	mmhos/cm	1	B3H1510	HJD	08/15/2023	08/16/2023
---------------------------	-------	---------	----------	---	---------	-----	------------	------------

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 - Brandel 5-14A

FL-B02@4'

8/14/2023 3:23:00PM

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

Origins Laboratory, Inc.
Y308351-04 (Soil)

Boron (DTPA Sorbitol)

Boron	0.103	0.0991	mg/L	1	B3H1504	KAP	08/15/2023	08/16/2023	
-------	-------	--------	------	---	---------	-----	------------	------------	--

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3H1432	ZZZ	08/14/2023	08/14/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	95.7 %	50-150			"	"	"	
------------------------	--------	--------	--	--	---	---	---	--

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3H1431	HKS	08/14/2023	08/14/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Benzene	ND	0.00200	"	"	"	HKS	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Naphthalene	ND	0.00380	"	"	"	HKS	"	"	U
Toluene	ND	0.00200	"	"	"	HKS	"	"	U
Xylenes, total	ND	0.00200	"	"	"	HKS	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HKS	"	"	U

Surrogate: 1,2-Dichloroethane-d4	113 %	70-130			"	"	"
Surrogate: Toluene-d8	101 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	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 - Brandel 5-14A

FL-B02@4'

8/14/2023 3:23:00PM

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

Origins Laboratory, Inc.
Y308351-04 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	0.578	0.499	meq/L	10	[CALC]	KAP	08/15/2023	08/16/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	ND	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	7.65		pH Units	1	B3H1510	HJD	08/15/2023	08/16/2023
----	------	--	----------	---	---------	-----	------------	------------

SAR by 20B Saturated Paste

SAR	0.341		SAR	1	B3H1507	KAP	08/15/2023	08/16/2023
-----	-------	--	-----	---	---------	-----	------------	------------

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.105	0.00500	mmhos/cm	1	B3H1510	HJD	08/15/2023	08/16/2023
---------------------------	-------	---------	----------	---	---------	-----	------------	------------

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 - Brandel 5-14A

WH-BG01@3'

8/14/2023 2:11:00PM

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

Origins Laboratory, Inc.
Y308351-05 (Soil)

Boron (DTPA Sorbitol)

Boron	0.334	0.0992	mg/L	1	B3H1504	KAP	08/15/2023	08/16/2023
-------	-------	--------	------	---	---------	-----	------------	------------

Metals by Saturated Paste by EPA 6010

Calcium	6.21	0.499	meq/L	10	[CALC]	KAP	08/15/2023	08/16/2023
Magnesium	2.49	0.823	"	"	"	KAP	"	"
Sodium	8.84	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.05		pH Units	1	B3H1510	HJD	08/15/2023	08/16/2023
----	------	--	----------	---	---------	-----	------------	------------

SAR by 20B Saturated Paste

SAR	4.24		SAR	1	B3H1507	KAP	08/15/2023	08/16/2023
-----	------	--	-----	---	---------	-----	------------	------------

Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.63	0.00500	mmhos/cm	1	B3H1510	HJD	08/15/2023	08/16/2023
---------------------------	------	---------	----------	---	---------	-----	------------	------------

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 - Brandel 5-14A

WH-BG01@6'

8/14/2023 2:13:00PM

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

Origins Laboratory, Inc.
Y308351-06 (Soil)

Boron (DTPA Sorbitol)

Boron	0.364	0.100	mg/L	1	B3H1504	KAP	08/15/2023	08/16/2023
-------	-------	-------	------	---	---------	-----	------------	------------

Metals by Saturated Paste by EPA 6010

Calcium	1.43	0.499	meq/L	10	[CALC]	KAP	08/15/2023	08/16/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	6.91	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.24		pH Units	1	B3H1510	HJD	08/15/2023	08/16/2023
----	------	--	----------	---	---------	-----	------------	------------

SAR by 20B Saturated Paste

SAR	6.65		SAR	1	B3H1507	KAP	08/15/2023	08/16/2023
-----	------	--	-----	---	---------	-----	------------	------------

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.956	0.00500	mmhos/cm	1	B3H1510	HJD	08/15/2023	08/16/2023
---------------------------	-------	---------	----------	---	---------	-----	------------	------------

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 - Brandel 5-14A

WH-BG02@3'

8/14/2023 2:17:00PM

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

Origins Laboratory, Inc.
Y308351-07 (Soil)

Boron (DTPA Sorbitol)

Boron	0.553	0.0988	mg/L	1	B3H1504	KAP	08/15/2023	08/16/2023
-------	-------	--------	------	---	---------	-----	------------	------------

Metals by Saturated Paste by EPA 6010

Calcium	6.73	0.499	meq/L	10	[CALC]	KAP	08/15/2023	08/16/2023
Magnesium	3.56	0.823	"	"	"	KAP	"	"
Sodium	12.6	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.02		pH Units	1	B3H1510	HJD	08/15/2023	08/16/2023
----	------	--	----------	---	---------	-----	------------	------------

SAR by 20B Saturated Paste

SAR	5.55		SAR	1	B3H1507	KAP	08/15/2023	08/16/2023
-----	------	--	-----	---	---------	-----	------------	------------

Specific Conductance Mod. 9050A

Specific Conductance (EC)	2.25	0.00500	mmhos/cm	1	B3H1510	HJD	08/15/2023	08/16/2023
---------------------------	------	---------	----------	---	---------	-----	------------	------------

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 - Brandel 5-14A

WH-BG02@6'

8/14/2023 2:19:00PM

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

Origins Laboratory, Inc.
Y308351-08 (Soil)

Boron (DTPA Sorbitol)

Boron	0.413	0.0995	mg/L	1	B3H1504	KAP	08/15/2023	08/16/2023
-------	-------	--------	------	---	---------	-----	------------	------------

Metals by Saturated Paste by EPA 6010

Calcium	2.97	0.499	meq/L	10	[CALC]	KAP	08/15/2023	08/16/2023
Magnesium	1.51	0.823	"	"	"	KAP	"	"
Sodium	10.5	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.16		pH Units	1	B3H1510	HJD	08/15/2023	08/16/2023
----	------	--	----------	---	---------	-----	------------	------------

SAR by 20B Saturated Paste

SAR	7.01		SAR	1	B3H1507	KAP	08/15/2023	08/16/2023
-----	------	--	-----	---	---------	-----	------------	------------

Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.53	0.00500	mmhos/cm	1	B3H1510	HJD	08/15/2023	08/16/2023
---------------------------	------	---------	----------	---	---------	-----	------------	------------

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 - Brandel 5-14A

WH-BG03@3'

8/14/2023 2:23:00PM

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

Origins Laboratory, Inc.
Y308351-09 (Soil)

Boron (DTPA Sorbitol)

Boron	0.227	0.100	mg/L	1	B3H1504	KAP	08/15/2023	08/16/2023
-------	-------	-------	------	---	---------	-----	------------	------------

Metals by Saturated Paste by EPA 6010

Calcium	4.21	0.499	meq/L	10	[CALC]	KAP	08/15/2023	08/16/2023
Magnesium	1.93	0.823	"	"	"	KAP	"	"
Sodium	9.18	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.12		pH Units	1	B3H1510	HJD	08/15/2023	08/16/2023
----	------	--	----------	---	---------	-----	------------	------------

SAR by 20B Saturated Paste

SAR	5.24		SAR	1	B3H1507	KAP	08/15/2023	08/16/2023
-----	------	--	-----	---	---------	-----	------------	------------

Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.55	0.00500	mmhos/cm	1	B3H1510	HJD	08/15/2023	08/16/2023
---------------------------	------	---------	----------	---	---------	-----	------------	------------

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 - Brandel 5-14A

WH-BG03@6'

8/14/2023 2:25:00PM

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

Origins Laboratory, Inc.
Y308351-10 (Soil)

Boron (DTPA Sorbitol)

Boron	0.317	0.0981	mg/L	1	B3H1504	KAP	08/15/2023	08/16/2023
-------	-------	--------	------	---	---------	-----	------------	------------

Metals by Saturated Paste by EPA 6010

Calcium	8.24	0.499	meq/L	10	[CALC]	KAP	08/15/2023	08/16/2023
Magnesium	3.56	0.823	"	"	"	KAP	"	"
Sodium	15.4	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.03		pH Units	1	B3H1510	HJD	08/15/2023	08/16/2023
----	------	--	----------	---	---------	-----	------------	------------

SAR by 20B Saturated Paste

SAR	6.35		SAR	1	B3H1507	KAP	08/15/2023	08/16/2023
-----	------	--	-----	---	---------	-----	------------	------------

Specific Conductance Mod. 9050A

Specific Conductance (EC)	2.70	0.00500	mmhos/cm	1	B3H1510	HJD	08/15/2023	08/16/2023
---------------------------	------	---------	----------	---	---------	-----	------------	------------

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 - Brandel 5-14A

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 B3H1431 - EPA 5030 (soil)										
Blank (B3H1431-BLK1)					Prepared: 08/14/2023 Analyzed: 08/14/2023					
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		108	70-130			
Surrogate: Toluene-d8	0.14		"	0.125		112	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 - Brandel 5-14A

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 B3H1431 - EPA 5030 (soil)										
LCS (B3H1431-BS1)					Prepared: 08/14/2023 Analyzed: 08/14/2023					
1,2,4-Trimethylbenzene	0.0944	0.00200	mg/kg	0.100		94.4	70-130			
1,3,5-Trimethylbenzene	0.0987	0.00200	"	0.100		98.7	70-130			
Benzene	0.0988	0.00200	"	0.100		98.8	70-130			
Ethylbenzene	0.0910	0.00200	"	0.100		91.0	70-130			
Naphthalene	0.0805	0.00380	"	0.100		80.5	70-130			
Toluene	0.104	0.00200	"	0.100		104	70-130			
o-Xylene	0.0819	0.00200	"	0.100		81.9	70-130			
m,p-Xylene	0.175	0.00400	"	0.200		87.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		104	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		107	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		91.8	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 - Brandel 5-14A

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 B3H1431 - EPA 5030 (soil)										
Matrix Spike (B3H1431-MS1)		Source: Y308351-01			Prepared: 08/14/2023 Analyzed: 08/14/2023					
1,2,4-Trimethylbenzene	0.0945	0.00200	mg/kg	0.100	ND	94.5	70-130			
1,3,5-Trimethylbenzene	0.101	0.00200	"	0.100	ND	101	70-130			
Benzene	0.0960	0.00200	"	0.100	ND	96.0	70-130			
Ethylbenzene	0.0928	0.00200	"	0.100	ND	92.8	70-130			
Naphthalene	0.0861	0.00380	"	0.100	ND	86.1	70-130			
Toluene	0.0997	0.00200	"	0.100	ND	99.7	70-130			
o-Xylene	0.0841	0.00200	"	0.100	ND	84.1	70-130			
m,p-Xylene	0.176	0.00400	"	0.200	ND	87.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		107	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		106	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		95.7	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 - Brandel 5-14A

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 B3H1431 - EPA 5030 (soil)										
Matrix Spike Dup (B3H1431-MSD1)		Source: Y308351-01			Prepared: 08/14/2023 Analyzed: 08/14/2023					
1,2,4-Trimethylbenzene	0.0862	0.00200	mg/kg	0.100	ND	86.2	70-130	9.18	20	
1,3,5-Trimethylbenzene	0.0916	0.00200	"	0.100	ND	91.6	70-130	9.49	20	
Benzene	0.0956	0.00200	"	0.100	ND	95.6	70-130	0.417	20	
Ethylbenzene	0.0846	0.00200	"	0.100	ND	84.6	70-130	9.20	20	
Naphthalene	0.0886	0.00380	"	0.100	ND	88.6	70-130	2.89	20	
Toluene	0.0967	0.00200	"	0.100	ND	96.7	70-130	3.07	20	
o-Xylene	0.0764	0.00200	"	0.100	ND	76.4	70-130	9.69	20	
m,p-Xylene	0.159	0.00400	"	0.200	ND	79.7	70-130	9.83	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		108	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		104	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		92.0	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 - Brandel 5-14A

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 B3H1432 - EPA 3550B										
Blank (B3H1432-BLK1)					Prepared: 08/14/2023 Analyzed: 08/14/2023					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	24		"	24.9		96.6	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 - Brandel 5-14A

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 B3H1432 - EPA 3550B										
LCS (B3H1432-BS1)					Prepared: 08/14/2023 Analyzed: 08/14/2023					
Diesel (C10-C28)	981	50.0	mg/kg	1000		98.1	70-130			
Residual Range Organics (C28-C40)	961	200	"	1000		96.1	70-130			
Surrogate: o-Terphenyl	48		"	49.8		95.8	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 - Brandel 5-14A

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 B3H1432 - EPA 3550B

Matrix Spike (B3H1432-MS1)		Source: Y308351-01			Prepared: 08/14/2023 Analyzed: 08/14/2023					
Diesel (C10-C28)	939	50.0	mg/kg	1000	ND	93.9	70-130			
Residual Range Organics (C28-C40)	925	200	"	1000	ND	92.5	70-130			
Surrogate: o-Terphenyl	51		"	49.8		103	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 - Brandel 5-14A

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 B3H1432 - EPA 3550B										
Matrix Spike Dup (B3H1432-MSD1)		Source: Y308351-01			Prepared: 08/14/2023 Analyzed: 08/14/2023					
Diesel (C10-C28)	880	50.0	mg/kg	1000	ND	88.0	70-130	6.55	35	
Residual Range Organics (C28-C40)	863	200	"	1000	ND	86.3	70-130	6.96	35	
Surrogate: o-Terphenyl	50		"	49.8		99.8	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 - Brandel 5-14A

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

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 B3H1504 - DTPA Sorbitol Preparation

Blank (B3H1504-BLK1)

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

Boron ND 0.100 mg/L

Duplicate (B3H1504-DUP1)

Source: Y308345-16

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

Boron 1.32 0.0994 mg/L 1.75 28.4 50

Batch B3H1507 - Saturated Paste Metals

Blank (B3H1507-BLK1)

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

SAR 0.00 SAR

Calcium PPM ND 10.0 mg/L

Magnesium PPM ND 10.0 "

Sodium PPM ND 10.0 "

Duplicate (B3H1507-DUP1)

Source: Y308345-16

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

SAR 0.00 SAR 0.375 200 200

Calcium PPM 154 10.0 mg/L 116 28.2 50

Magnesium PPM 44.7 10.0 " 31.4 34.8 50

Sodium PPM 20.4 10.0 " 17.6 14.4 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 - Brandel 5-14A

Saturated Paste - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3H1510 - Saturated Paste pH/EC										
Blank (B3H1510-BLK1)					Prepared: 08/15/2023 Analyzed: 08/16/2023					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							
Duplicate (B3H1510-DUP1)					Source: Y308345-16 Prepared: 08/15/2023 Analyzed: 08/16/2023					
Specific Conductance (EC)	1.38	0.00500	mmhos/cm		1.03			29.2	25	QR-DUP
pH	8.04		pH Units		8.03			0.124	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 - Brandel 5-14A

Notes and Definitions

U Sample is Non-Detect.

QR-DUP RPD exceeds QC acceptance criteria, this indicates source sample is not homogenous.

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.