



**Eagle Environmental Consulting, LLC**

**Dan Coloccia**

**8000 W 44th Ave**

**Wheat Ridge CO 80033**

**September 05, 2024**

**Project Name - KMG - Miller 11-31**

**Project Number - [none]**

Attached are your analytical results for KMG - Miller 11-31 received by Origins Laboratory, Inc. July 30, 2024. This project is associated with Origins project number Y407815-01.

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  
303.433.1322  
projectmanager@originslab.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 - Miller 11-31

### CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-B01@6'	Y407815-01	Soil	July 30, 2024 15:10	07/30/2024 16:50
FL-B01@4'	Y407815-02	Soil	July 30, 2024 15:14	07/30/2024 16:50
WH-BG01@3'	Y407815-03	Soil	July 30, 2024 15:34	07/30/2024 16:50
WH-BG01@6'	Y407815-04	Soil	July 30, 2024 15:36	07/30/2024 16:50
WH-BG02@3'	Y407815-05	Soil	July 30, 2024 15:38	07/30/2024 16:50
WH-BG02@6'	Y407815-06	Soil	July 30, 2024 15:40	07/30/2024 16:50
WH-BG03@3'	Y407815-07	Soil	July 30, 2024 15:42	07/30/2024 16:50
WH-BG03@6'	Y407815-08	Soil	July 30, 2024 15:44	07/30/2024 16:50
WH-BG04@3'	Y407815-09	Soil	July 30, 2024 15:46	07/30/2024 16:50
WH-BG04@6'	Y407815-10	Soil	July 30, 2024 15:48	07/30/2024 16:50
WH-BG05@3'	Y407815-11	Soil	July 30, 2024 15:50	07/30/2024 16:50
WH-BG05@6'	Y407815-12	Soil	July 30, 2024 15:52	07/30/2024 16:50
WH-BG06@3'	Y407815-13	Soil	July 30, 2024 15:54	07/30/2024 16:50
WH-BG06@6'	Y407815-14	Soil	July 30, 2024 15:56	07/30/2024 16:50

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

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8000 W 44th Ave  
Wheat Ridge CO 80033

Dan Coloccia  
Project Number: [none]  
Project: KMG - Miller 11-31

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

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Dan Coloccia  
 Project Number: [none]  
 Project: KMG - Miller 11-31

# ORIGINS

LABORATORY INC

ORIGINS WORK ORDER #  
**4407815**

Page 1 of 2

Client: Eagle Environmental (own)

Project Manager: D. Coloccia

Key:

Address: 5000 W 44th Ave

Project Name: Miller 11-31

W=Water

Telephone Number: Wheat Ridge CO 80033

Project Number: -

GW=Groundwater

Email Address: 303-433-0479

Collected By: CB1

SW=Surface Water

SW=Surface Water

Invoice/Billing Info: Initial

WW=Waste Water

L=Liquid

S=Soil | SO=Solid | O=Oil | A=Air | G=Gas | UNP=Unpres | HCL=Hydrochloric | HNO3=Nitric | H2SO4=Sulfuric | NaOH=Sodium Hydroxide

#	Sample ID	Date	Time	Sampled	# of Containers	Matrix	Preservative	Analysis						Comments	
								PH	SAR	Barion	Metals				
1	WH-B01e6'	7/30/24	3:10	3	5	UNP	X								
2	FL-B01e4'		3:14	1	1		X								
3	WH-B601e3'		3:34	2			X	X	X	X	X				
4	WH-B601e6'		3:36	1			X	X	X	X	X				
5	WH-B602e3'		3:36	1			X	X	X	X	X				
6	WH-B602e6'		3:40	1			X	X	X	X	X				
7	WH-B603e3'		3:42	1			X	X	X	X	X				
8	WH-B603e6'		3:44	1			X	X	X	X	X				
9	WH-B604e3'		3:46	1			X	X	X	X	X				
10	WH-B604e6'		3:48	1			X	X	X	X	X				

Relinquished By: [Signature] Date: 7/30/24 Time: 1850

Received By: [Signature] Date: 7/30/24 Time: 1850

Temp Received: 14 Received On Ice?  Yes  No

Turnaround Time:  SAME DAY  24 Hr  48 Hr  72 Hr  Standard

1725 Elk Place Denver, Co. 80211 | # 303.433.1322 | originslab.com

Origins Laboratory

*Jefe Pellegrini*

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 - Miller 11-31

# ORIGINS

ORIGINS WORK ORDER #

Page 2 of 2

LABORATORY INC  
 Client: Eagle Environmental (OXI)

Project Manager: D. Coloccia

Key:

Address: 8000 W 44th Ave

Project Name: Miller 11-31

W= Water

Telephone Number: Wheat Ridge CO 80033

Project Number: ---

GW=Groundwater

Email Address: 303-433-0479

Collected By: DB

SW=Surface Water

Invoice/Billing Info: dcoloccia@eagle-environment.com

Invoice/Billing Info: Miller 11-31

WW=Waste Water

S=Soil | SO=Solid | O=Oil | A=Air | G=Gas | UNP=Unpres | HCL= Hydrochloric | HNO3=Nitric | H2SO4=Sulfuric | NaOH=Sodium Hydroxide

#	Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix	Preservative	Analysis					Comments
							EC	PH	SAR	Boron	Metals	
1	WH-BB05e3'	7/30/24	3:50	2	S	UNP	X	X	X	X		
2	WH-BB05e6'		3:51				X	X	X	X		
3	WH-BB06e3'		3:54				X	X	X	X		
4	WH-BB06e6'		3:56				X	X	X	X		
5												
6												
7												
8												
9												
10												

Relinquished By: DB Date: 7/30/24 Time: 10:50

Received By: DB Date: 7/30/24 Time: 1:50

Temp Received: 16 Received On Ice?  Yes  No

Turnaround Time:  SAME DAY  24 Hr  48 Hr  72 Hr  Standard

1725 Elk Place Denver, Co. 80211 | # 303.433.1322 | originslab.com

For Lab Sample Receiving Only:

Origins Laboratory

*Jefe Pellegrini*

Jen Pellegrini For Jordan A. Bynon, Project Manager

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8000 W 44th Ave  
Wheat Ridge CO 80033

Dan Coloccia  
Project Number: [none]  
Project: KMG - Miller 11-31

Origins Laboratory

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

**Sample Receipt Checklist**

Origins Work Order: 4407815

Client: Eagle  
Client Project ID: Miller 11-31

Checklist Completed by: EHD  
Date/time completed: 7/13/04

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

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

Cooler Number/Temperature: 1116 °C / \_\_\_\_\_ °C / \_\_\_\_\_ °C (Describe) \_\_\_\_\_ °C

Thermometer ID: 7005

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<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 <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? <b>If yes, contact client and note in narrative.</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked <sup>(1)</sup> ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH >10 for samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Additional Comments (if any):				

<sup>(1)</sup>If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) EHD

Date/Time Reviewed 7/13/04

Origins Laboratory

*Jen Pellegrini*

Jen Pellegrini For Jordan A. Bynon, Project Manager

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 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: [none]  
 Project: KMG - Miller 11-31

**WH-B01@6'**  
**7/30/2024 3:10:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
**Y407815-01 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.284		0.0989	mg/L	1	B4G3108	07/31/2024	08/01/2024	
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4G3048	07/30/2024	07/30/2024	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: <i>o</i> -Terphenyl	90.6 %		50-150			"	"	"	
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4G3049	07/30/2024	07/30/2024	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	0.302		0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	105 %		70-130			"	"	"	
Surrogate: Toluene-d8	103 %		70-130			"	"	"	

Origins Laboratory



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 Wheat Ridge CO 80033

Dan Coloccia  
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 Project: KMG - Miller 11-31

**WH-B01@6'**  
**7/30/2024 3:10:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
**Y407815-01 (Soil)**

**GBTEX+TMBs by 8260D**

Surrogate: 4-Bromofluorobenzene	109 %	70-130		B4G30 49	07/30/2024	07/30/2024
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**Metals by Saturated Paste by EPA 6010**

Calcium	14.4	0.499	meq/L	10	[CALC]	07/31/2024	08/01/2024
Magnesium	ND	0.823	"	"	"	"	"
Sodium	3.75	0.435	"	"	"	"	"

**PAH by EPA 8270E**

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4G3046	07/30/2024	07/30/2024	Ua
2-Methylnaphthalene	ND	0.002	"	"	"	"	"	Ua
Acenaphthene	ND	0.020	"	"	"	"	"	Ua
Anthracene	ND	0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	<b>0.010</b>	0.005	"	"	"	"	"	
Benzo (a) pyrene	ND	0.020	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND	0.020	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND	0.020	"	"	"	"	"	Ua
Chrysene	ND	0.020	"	"	"	"	"	Ua
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	Ua
Fluoranthene	<b>0.025</b>	0.020	"	"	"	"	"	
Fluorene	ND	0.020	"	"	"	"	"	Ua

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 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: [none]  
 Project: KMG - Miller 11-31

**WH-B01@6'**

**7/30/2024 3:10:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
**Y407815-01 (Soil)**

**PAH by EPA 8270E**

Indeno (1,2,3-cd) pyrene	ND		0.020	mg/kg	1	B4G3046	07/30/2024	07/30/2024	Ua
Naphthalene	ND		0.002	"	"	"	"	"	Ua
Pyrene	<b>0.020</b>		0.020	"	"	"	"	"	

Surrogate: Fluorene-d10	93.8 %		60-130			"	"	"	
Surrogate: Anthracene-d10	101 %		60-130			"	"	"	
Surrogate: Pyrene-d10	126 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	100 %		60-130			"	"	"	

**pH in Soil by 9045D**

pH	12.0			pH Units	1	B4G3119	07/31/2024	08/01/2024	
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**SAR by 20B Saturated Paste**

SAR	1.39		0.0100	SAR	1	B4G3113	07/31/2024	08/01/2024	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	2.73		0.00500	mmhos/cm	1	B4G3119	07/31/2024	08/01/2024	
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**Table 915 metals by EPA 6020B**

Arsenic	2.66		0.271	mg/kg	10	B4G3045	07/30/2024	07/31/2024	
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Wheat Ridge CO 80033

Dan Coloccia  
Project Number: [none]  
Project: KMG - Miller 11-31

**WH-B01@6'**

**7/30/2024 3:10:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
Y407815-01 (Soil)**

**Table 915 metals by EPA 6020B**

Barium	98.4		9.34	mg/kg	10	B4G3045	07/30/2024	07/31/2024	
Cadmium	0.127		0.0934	"	"	"	"	"	
Copper	ND		9.34	"	"	"	"	"	Ua
Lead	12.6		0.934	"	"	"	"	"	
Nickel	7.51		0.934	"	"	"	"	"	
Selenium	ND		0.243	"	"	"	"	"	Ua
Silver	ND		0.0934	"	"	"	"	"	Ua
Zinc	38.4		34.6	"	"	"	"	"	

**Total Metals by 7196A**

Hexavalent Chromium	ND	0.118	0.296	mg/kg dry	1	2663594	08/28/2024	09/03/2024	U
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Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

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8000 W 44th Ave  
Wheat Ridge CO 80033

Dan Coloccia  
Project Number: [none]  
Project: KMG - Miller 11-31

**FL-B01@4'**

**7/30/2024 3:14:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
Y407815-02 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.157		0.100	mg/L	1	B4G3108	07/31/2024	08/01/2024	
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4G3048	07/30/2024	07/30/2024	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	82.8 %		50-150			"	"	"	
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4G3049	07/30/2024	07/30/2024	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4	106 %		70-130			"	"	"	
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8000 W 44th Ave  
Wheat Ridge CO 80033

Dan Coloccia  
Project Number: [none]  
Project: KMG - Miller 11-31

FL-B01@4'

7/30/2024 3:14:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
Y407815-02 (Soil)

**GBTEX+TMBs by 8260D**

Surrogate: Toluene-d8	105 %		70-130			B4G30 49	07/30/2024	07/30/2024	
Surrogate: 4-Bromofluorobenzene	107 %		70-130			"	"	"	

**Metals by Saturated Paste by EPA 6010**

Calcium	1.28		0.499	meq/L	10	[CALC]	07/31/2024	08/01/2024	
Magnesium	0.955		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

**PAH by EPA 8270E**

1-Methylnaphthalene	ND		0.002	mg/kg	1	B4G3046	07/30/2024	07/30/2024	Ua
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	Ua
Acenaphthene	ND		0.020	"	"	"	"	"	Ua
Anthracene	ND		0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Chrysene	ND		0.020	"	"	"	"	"	Ua
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	Ua
Fluoranthene	ND		0.020	"	"	"	"	"	Ua

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8000 W 44th Ave  
Wheat Ridge CO 80033

Dan Coloccia  
Project Number: [none]  
Project: KMG - Miller 11-31

**FL-B01@4'**

**7/30/2024 3:14:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
**Y407815-02 (Soil)**

**PAH by EPA 8270E**

Fluorene	ND		0.020	mg/kg	1	B4G3046	07/30/2024	07/30/2024	Ua
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	Ua
Naphthalene	ND		0.002	"	"	"	"	"	Ua
Pyrene	ND		0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	92.3 %		60-130			"	"	"	
Surrogate: Anthracene-d10	96.1 %		60-130			"	"	"	
Surrogate: Pyrene-d10	116 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	94.1 %		60-130			"	"	"	

**pH in Soil by 9045D**

pH	8.83			pH Units	1	B4G3119	07/31/2024	08/01/2024	
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**SAR by 20B Saturated Paste**

SAR	0.280		0.0100	SAR	1	B4G3113	07/31/2024	08/01/2024	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.301		0.00500	mmhos/cm	1	B4G3119	07/31/2024	08/01/2024	
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**Table 915 metals by EPA 6020B**

Origins Laboratory



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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 - Miller 11-31

FL-B01@4'

7/30/2024 3:14:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
 Y407815-02 (Soil)

**Table 915 metals by EPA 6020B**

Arsenic	2.85		0.260	mg/kg	10	B4G3045	07/30/2024	07/31/2024	
Barium	92.7		8.97	"	"	"	"	"	
Cadmium	0.181		0.0897	"	"	"	"	"	
Copper	ND		8.97	"	"	"	"	"	Ua
Lead	7.32		0.897	"	"	"	"	"	
Nickel	7.03		0.897	"	"	"	"	"	
Selenium	ND		0.233	"	"	"	"	"	Ua
Silver	ND		0.0897	"	"	"	"	"	Ua
Zinc	ND		33.2	"	"	"	"	"	Ua

**Total Metals by 7196A**

Hexavalent Chromium	ND	0.122	0.306	mg/kg dry	1	2663594	08/28/2024	09/03/2024	U
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Origins Laboratory



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 - Miller 11-31

**WH-BG01@3'**  
**7/30/2024 3:34:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
**Y407815-03 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.440		0.0998	mg/L	1	B4G3108	07/31/2024	08/01/2024	
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**Metals by Saturated Paste by EPA 6010**

Calcium	0.824		0.499	meq/L	10	[CALC]	07/31/2024	08/01/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	8.00		0.435	"	"	"	"	"	

**pH in Soil by 9045D**

pH	8.69			pH Units	1	B4G3119	07/31/2024	08/01/2024	
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**SAR by 20B Saturated Paste**

SAR	9.46		0.0100	SAR	1	B4G3113	07/31/2024	08/01/2024	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.935		0.00500	mmhos/cm	1	B4G3119	07/31/2024	08/01/2024	
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**Table 915 metals by EPA 6020B**

Arsenic	3.17		0.271	mg/kg	10	B4G3045	07/30/2024	07/31/2024	
Barium	108		9.35	"	"	"	"	"	
Cadmium	0.143		0.0935	"	"	"	"	"	
Copper	ND		9.35	"	"	"	"	"	Ua

Origins Laboratory



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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 - Miller 11-31

**WH-BG01@3'**

**7/30/2024 3:34:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
**Y407815-03 (Soil)**

**Table 915 metals by EPA 6020B**

Lead	8.56		0.935	mg/kg	10	B4G3045	07/30/2024	07/31/2024	
Nickel	8.91		0.935	"	"	"	"	"	
Selenium	ND		0.243	"	"	"	"	"	Ua
Silver	ND		0.0935	"	"	"	"	"	Ua
Zinc	35.7		34.6	"	"	"	"	"	

**Total Metals by 7196A**

Hexavalent Chromium	ND	0.127	0.317	mg/kg dry	1	2663594	08/28/2024	09/03/2024	U
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Origins Laboratory



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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 - Miller 11-31

**WH-BG01@6'**

**7/30/2024 3:36:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
Y407815-04 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.295		0.0985	mg/L	1	B4G3108	07/31/2024	08/01/2024	
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**Metals by Saturated Paste by EPA 6010**

Calcium	19.0		0.499	meq/L	10	[CALC]	07/31/2024	08/01/2024	
Magnesium	7.81		0.823	"	"	"	"	"	
Sodium	17.0		0.435	"	"	"	"	"	

**pH in Soil by 9045D**

pH	8.23			pH Units	1	B4G3119	07/31/2024	08/01/2024	
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**SAR by 20B Saturated Paste**

SAR	4.63		0.0100	SAR	1	B4G3113	07/31/2024	08/01/2024	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	3.21		0.00500	mmhos/cm	1	B4G3119	07/31/2024	08/01/2024	
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**Table 915 metals by EPA 6020B**

Arsenic	2.46		0.257	mg/kg	10	B4G3045	07/30/2024	07/31/2024	
Barium	77.8		8.85	"	"	"	"	"	
Cadmium	0.101		0.0885	"	"	"	"	"	
Copper	ND		8.85	"	"	"	"	"	Ua

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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 - Miller 11-31

**WH-BG01@6'**

**7/30/2024 3:36:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
**Y407815-04 (Soil)**

**Table 915 metals by EPA 6020B**

Lead	8.38		0.885	mg/kg	10	B4G3045	07/30/2024	07/31/2024	
Nickel	6.58		0.885	"	"	"	"	"	
Selenium	ND		0.230	"	"	"	"	"	Ua
Silver	ND		0.0885	"	"	"	"	"	Ua
Zinc	ND		32.8	"	"	"	"	"	Ua

**Total Metals by 7196A**

Hexavalent Chromium	ND	0.123	0.309	mg/kg dry	1	2663594	08/28/2024	09/03/2024	U
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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 - Miller 11-31

**WH-BG02@3'**

**7/30/2024 3:38:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
Y407815-05 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.154		0.0989	mg/L	1	B4G3108	07/31/2024	08/01/2024	
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**Metals by Saturated Paste by EPA 6010**

Calcium	2.20		0.499	meq/L	10	[CALC]	07/31/2024	08/01/2024	
Magnesium	0.842		0.823	"	"	"	"	"	
Sodium	2.06		0.435	"	"	"	"	"	

**pH in Soil by 9045D**

pH	8.38			pH Units	1	B4G3120	07/31/2024	08/01/2024	
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**SAR by 20B Saturated Paste**

SAR	1.67		0.0100	SAR	1	B4G3114	07/31/2024	08/01/2024	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.468		0.00500	mmhos/cm	1	B4G3120	07/31/2024	08/01/2024	
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**Table 915 metals by EPA 6020B**

Arsenic	2.17		0.245	mg/kg	10	B4G3045	07/30/2024	07/31/2024	
Barium	63.6		8.44	"	"	"	"	"	
Cadmium	0.153		0.0844	"	"	"	"	"	
Copper	ND		8.44	"	"	"	"	"	Ua

Origins Laboratory



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 - Miller 11-31

**WH-BG02@3'**

**7/30/2024 3:38:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
 Y407815-05 (Soil)**

**Table 915 metals by EPA 6020B**

Lead	8.79		0.844	mg/kg	10	B4G3045	07/30/2024	07/31/2024	
Nickel	5.30		0.844	"	"	"	"	"	
Selenium	ND		0.219	"	"	"	"	"	Ua
Silver	ND		0.0844	"	"	"	"	"	Ua
Zinc	ND		31.2	"	"	"	"	"	Ua

**Total Metals by 7196A**

Hexavalent Chromium	ND	0.110	0.275	mg/kg dry	1	2663594	08/28/2024	09/03/2024	U
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Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

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 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: [none]  
 Project: KMG - Miller 11-31

**WH-BG02@6'**

**7/30/2024 3:40:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
**Y407815-06 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.784	0.0997	mg/L	1	B4G3108	07/31/2024	08/01/2024
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**Metals by Saturated Paste by EPA 6010**

Calcium	24.7	0.499	meq/L	10	[CALC]	07/31/2024	08/01/2024
Magnesium	8.58	0.823	"	"	"	"	"
Sodium	20.6	0.435	"	"	"	"	"

**pH in Soil by 9045D**

pH	8.10		pH Units	1	B4G3120	07/31/2024	08/01/2024
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**SAR by 20B Saturated Paste**

SAR	5.06	0.0100	SAR	1	B4G3114	07/31/2024	08/01/2024
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	3.80	0.00500	mmhos/cm	1	B4G3120	07/31/2024	08/01/2024
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**Table 915 metals by EPA 6020B**

Arsenic	3.52	0.284	mg/kg	10	B4G3045	07/30/2024	07/31/2024	
Barium	96.3	9.81	"	"	"	"	"	
Cadmium	0.145	0.0981	"	"	"	"	"	
Copper	ND	9.81	"	"	"	"	"	Ua

Origins Laboratory



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 - Miller 11-31

**WH-BG02@6'**

**7/30/2024 3:40:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
**Y407815-06 (Soil)**

**Table 915 metals by EPA 6020B**

Lead	9.94		0.981	mg/kg	10	B4G3045	07/30/2024	07/31/2024	
Nickel	9.04		0.981	"	"	"	"	"	
Selenium	0.262		0.255	"	"	"	"	"	
Silver	ND		0.0981	"	"	"	"	"	Ua
Zinc	51.0		36.3	"	"	"	"	"	

**Total Metals by 7196A**

Hexavalent Chromium	ND	0.195	0.487	mg/kg dry	1	2663594	08/28/2024	09/03/2024	U
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Origins Laboratory



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 - Miller 11-31

**WH-BG03@3'**

**7/30/2024 3:42:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
Y407815-07 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.185		0.101	mg/L	1	B4G3108	07/31/2024	08/01/2024	
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**Metals by Saturated Paste by EPA 6010**

Calcium	2.03		0.499	meq/L	10	[CALC]	07/31/2024	08/01/2024	
Magnesium	0.848		0.823	"	"	"	"	"	
Sodium	0.687		0.435	"	"	"	"	"	

**pH in Soil by 9045D**

pH	8.52			pH Units	1	B4G3120	07/31/2024	08/01/2024	
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**SAR by 20B Saturated Paste**

SAR	0.573		0.0100	SAR	1	B4G3114	07/31/2024	08/01/2024	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.362		0.00500	mmhos/cm	1	B4G3120	07/31/2024	08/01/2024	
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**Table 915 metals by EPA 6020B**

Arsenic	2.36		0.281	mg/kg	10	B4G3045	07/30/2024	07/31/2024	
Barium	84.8		9.67	"	"	"	"	"	
Cadmium	ND		0.0967	"	"	"	"	"	Ua
Copper	ND		9.67	"	"	"	"	"	Ua

Origins Laboratory



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 - Miller 11-31

**WH-BG03@3'**

**7/30/2024 3:42:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
 Y407815-07 (Soil)**

**Table 915 metals by EPA 6020B**

Lead	6.47		0.967	mg/kg	10	B4G3045	07/30/2024	07/31/2024	
Nickel	6.33		0.967	"	"	"	"	"	
Selenium	ND		0.252	"	"	"	"	"	Ua
Silver	ND		0.0967	"	"	"	"	"	Ua
Zinc	ND		35.8	"	"	"	"	"	Ua

**Total Metals by 7196A**

Hexavalent Chromium	ND	0.127	0.318	mg/kg dry	1	2663594	08/28/2024	09/03/2024	U
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Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

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 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: [none]  
 Project: KMG - Miller 11-31

**WH-BG03@6'**

**7/30/2024 3:44:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
**Y407815-08 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.279	0.0997	mg/L	1	B4G3108	07/31/2024	08/01/2024
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**Metals by Saturated Paste by EPA 6010**

Calcium	1.45	0.499	meq/L	10	[CALC]	07/31/2024	08/01/2024
Magnesium	1.26	0.823	"	"	"	"	"
Sodium	4.31	0.435	"	"	"	"	"

**pH in Soil by 9045D**

pH	8.49		pH Units	1	B4G3120	07/31/2024	08/01/2024
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**SAR by 20B Saturated Paste**

SAR	3.70	0.0100	SAR	1	B4G3114	07/31/2024	08/01/2024
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.734	0.00500	mmhos/cm	1	B4G3120	07/31/2024	08/01/2024
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**Table 915 metals by EPA 6020B**

Arsenic	2.46	0.270	mg/kg	10	B4G3045	07/30/2024	07/31/2024
Barium	86.2	9.29	"	"	"	"	"
Cadmium	0.101	0.0929	"	"	"	"	"
Copper	ND	9.29	"	"	"	"	"

Origins Laboratory



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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 - Miller 11-31

**WH-BG03@6'**

**7/30/2024 3:44:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
 Y407815-08 (Soil)**

**Table 915 metals by EPA 6020B**

Lead	6.47		0.929	mg/kg	10	B4G3045	07/30/2024	07/31/2024	
Nickel	6.69		0.929	"	"	"	"	"	
Selenium	ND		0.242	"	"	"	"	"	Ua
Silver	ND		0.0929	"	"	"	"	"	Ua
Zinc	ND		34.4	"	"	"	"	"	Ua

**Total Metals by 7196A**

Hexavalent Chromium	ND	0.176	0.439	mg/kg dry	1	2663594	08/28/2024	09/03/2024	U
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Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

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 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: [none]  
 Project: KMG - Miller 11-31

**WH-BG04@3'**

**7/30/2024 3:46:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
 Y407815-09 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.140		0.101	mg/L	1	B4G3108	07/31/2024	08/01/2024	
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**Metals by Saturated Paste by EPA 6010**

Calcium	1.37		0.499	meq/L	10	[CALC]	07/31/2024	08/01/2024	
Magnesium	0.850		0.823	"	"	"	"	"	
Sodium	0.555		0.435	"	"	"	"	"	

**pH in Soil by 9045D**

pH	8.53			pH Units	1	B4G3120	07/31/2024	08/01/2024	
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**SAR by 20B Saturated Paste**

SAR	0.526		0.0100	SAR	1	B4G3114	07/31/2024	08/01/2024	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.281		0.00500	mmhos/cm	1	B4G3120	07/31/2024	08/01/2024	
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**Table 915 metals by EPA 6020B**

Arsenic	2.23		0.269	mg/kg	10	B4G3045	07/30/2024	07/31/2024	
Barium	91.3		9.29	"	"	"	"	"	
Cadmium	0.0966		0.0929	"	"	"	"	"	
Copper	ND		9.29	"	"	"	"	"	Ua

Origins Laboratory



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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 - Miller 11-31

**WH-BG04@3'**

**7/30/2024 3:46:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
 Y407815-09 (Soil)**

**Table 915 metals by EPA 6020B**

Lead	6.08		0.929	mg/kg	10	B4G3045	07/30/2024	07/31/2024	
Nickel	6.38		0.929	"	"	"	"	"	
Selenium	ND		0.242	"	"	"	"	"	Ua
Silver	ND		0.0929	"	"	"	"	"	Ua
Zinc	ND		34.4	"	"	"	"	"	Ua

**Total Metals by 7196A**

Hexavalent Chromium	ND	0.0999	0.250	mg/kg dry	1	2663594	08/28/2024	09/03/2024	U
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Origins Laboratory



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 - Miller 11-31

**WH-BG04@6'**

**7/30/2024 3:48:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
**Y407815-10 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.194	0.0998	mg/L	1	B4G3108	07/31/2024	08/01/2024
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**Metals by Saturated Paste by EPA 6010**

Calcium	1.12	0.499	meq/L	10	[CALC]	07/31/2024	08/01/2024
Magnesium	0.848	0.823	"	"	"	"	"
Sodium	2.79	0.435	"	"	"	"	"

**pH in Soil by 9045D**

pH	8.52		pH Units	1	B4G3120	07/31/2024	08/01/2024
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**SAR by 20B Saturated Paste**

SAR	2.82	0.0100	SAR	1	B4G3114	07/31/2024	08/01/2024
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.506	0.00500	mmhos/cm	1	B4G3120	07/31/2024	08/01/2024
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**Table 915 metals by EPA 6020B**

Arsenic	2.20	0.285	mg/kg	10	B4G3045	07/30/2024	07/31/2024
Barium	66.5	9.82	"	"	"	"	"
Cadmium	ND	0.0982	"	"	"	"	" Ua
Copper	ND	9.82	"	"	"	"	" Ua

Origins Laboratory



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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 - Miller 11-31

**WH-BG04@6'**

**7/30/2024 3:48:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
Y407815-10 (Soil)**

**Table 915 metals by EPA 6020B**

Lead	5.29		0.982	mg/kg	10	B4G3045	07/30/2024	07/31/2024	
Nickel	5.75		0.982	"	"	"	"	"	
Selenium	ND		0.255	"	"	"	"	"	Ua
Silver	ND		0.0982	"	"	"	"	"	Ua
Zinc	ND		36.3	"	"	"	"	"	Ua

**Total Metals by 7196A**

Hexavalent Chromium	ND	0.105	0.263	mg/kg dry	1	2663594	08/28/2024	09/03/2024	U
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Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

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 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: [none]  
 Project: KMG - Miller 11-31

**WH-BG05@3'**

**7/30/2024 3:50:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
 Y407815-11 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.132		0.0991	mg/L	1	B4G3108	07/31/2024	08/01/2024	
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**Metals by Saturated Paste by EPA 6010**

Calcium	0.948		0.499	meq/L	10	[CALC]	07/31/2024	08/01/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.920		0.435	"	"	"	"	"	

**pH in Soil by 9045D**

pH	8.44			pH Units	1	B4G3120	07/31/2024	08/01/2024	
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**SAR by 20B Saturated Paste**

SAR	0.988		0.0100	SAR	1	B4G3114	07/31/2024	08/01/2024	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.276		0.00500	mmhos/cm	1	B4G3120	07/31/2024	08/01/2024	
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**Table 915 metals by EPA 6020B**

Arsenic	2.66		0.252	mg/kg	10	B4G3045	07/30/2024	07/31/2024	
Barium	91.1		8.70	"	"	"	"	"	
Cadmium	0.109		0.0870	"	"	"	"	"	
Copper	ND		8.70	"	"	"	"	"	Ua

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

Dan Coloccia  
 Project Number: [none]  
 Project: KMG - Miller 11-31

**WH-BG05@3'**

**7/30/2024 3:50:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
**Y407815-11 (Soil)**

**Table 915 metals by EPA 6020B**

Lead	7.15		0.870	mg/kg	10	B4G3045	07/30/2024	07/31/2024	
Nickel	7.33		0.870	"	"	"	"	"	
Selenium	ND		0.226	"	"	"	"	"	Ua
Silver	ND		0.0870	"	"	"	"	"	Ua
Zinc	ND		32.2	"	"	"	"	"	Ua

**Total Metals by 7196A**

Hexavalent Chromium	ND	0.139	0.348	mg/kg dry	1	2663594	08/28/2024	09/03/2024	U
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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 - Miller 11-31

**WH-BG05@6'**

**7/30/2024 3:52:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
Y407815-12 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.123		0.0995	mg/L	1	B4G3108	07/31/2024	08/01/2024	
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**Metals by Saturated Paste by EPA 6010**

Calcium	1.27		0.499	meq/L	10	[CALC]	07/31/2024	08/01/2024	
Magnesium	1.16		0.823	"	"	"	"	"	
Sodium	1.26		0.435	"	"	"	"	"	

**pH in Soil by 9045D**

pH	8.45			pH Units	1	B4G3120	07/31/2024	08/01/2024	
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**SAR by 20B Saturated Paste**

SAR	1.14		0.0100	SAR	1	B4G3114	07/31/2024	08/01/2024	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.359		0.00500	mmhos/cm	1	B4G3120	07/31/2024	08/01/2024	
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**Table 915 metals by EPA 6020B**

Arsenic	2.37		0.248	mg/kg	10	B4G3045	07/30/2024	07/31/2024	
Barium	83.4		8.56	"	"	"	"	"	
Cadmium	0.0899		0.0856	"	"	"	"	"	
Copper	ND		8.56	"	"	"	"	"	Ua

Origins Laboratory



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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 - Miller 11-31

**WH-BG05@6'**

**7/30/2024 3:52:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
 Y407815-12 (Soil)**

**Table 915 metals by EPA 6020B**

Lead	6.19		0.856	mg/kg	10	B4G3045	07/30/2024	07/31/2024	
Nickel	6.33		0.856	"	"	"	"	"	
Selenium	ND		0.223	"	"	"	"	"	Ua
Silver	ND		0.0856	"	"	"	"	"	Ua
Zinc	ND		31.7	"	"	"	"	"	Ua

**Total Metals by 7196A**

Hexavalent Chromium	ND	0.0994	0.249	mg/kg dry	1	2663594	08/28/2024	09/03/2024	U
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Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

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 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: [none]  
 Project: KMG - Miller 11-31

**WH-BG06@3'**

**7/30/2024 3:54:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
 Y407815-13 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.112		0.100	mg/L	1	B4G3108	07/31/2024	08/01/2024	
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**Metals by Saturated Paste by EPA 6010**

Calcium	1.61		0.499	meq/L	10	[CALC]	07/31/2024	08/01/2024	
Magnesium	1.53		0.823	"	"	"	"	"	
Sodium	0.737		0.435	"	"	"	"	"	

**pH in Soil by 9045D**

pH	8.50			pH Units	1	B4G3120	07/31/2024	08/01/2024	
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**SAR by 20B Saturated Paste**

SAR	0.588		0.0100	SAR	1	B4G3114	07/31/2024	08/01/2024	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.394		0.00500	mmhos/cm	1	B4G3120	07/31/2024	08/01/2024	
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**Table 915 metals by EPA 6020B**

Arsenic	2.43		0.248	mg/kg	10	B4G3045	07/30/2024	07/31/2024	
Barium	76.9		8.55	"	"	"	"	"	
Cadmium	0.0889		0.0855	"	"	"	"	"	
Copper	ND		8.55	"	"	"	"	"	Ua

Origins Laboratory



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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 - Miller 11-31

**WH-BG06@3'**

**7/30/2024 3:54:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
**Y407815-13 (Soil)**

**Table 915 metals by EPA 6020B**

Lead	6.16		0.855	mg/kg	10	B4G3045	07/30/2024	07/31/2024	
Nickel	6.49		0.855	"	"	"	"	"	
Selenium	ND		0.222	"	"	"	"	"	Ua
Silver	ND		0.0855	"	"	"	"	"	Ua
Zinc	ND		31.6	"	"	"	"	"	Ua

**Total Metals by 7196A**

Hexavalent Chromium	ND	0.119	0.297	mg/kg dry	1	2663594	08/28/2024	09/03/2024	U
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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 - Miller 11-31

**WH-BG06@6'**

**7/30/2024 3:56:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory**  
**Y407815-14 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.243	0.0993	mg/L	1	B4G3108	07/31/2024	08/01/2024
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**Metals by Saturated Paste by EPA 6010**

Calcium	1.11	0.499	meq/L	10	[CALC]	07/31/2024	08/01/2024
Magnesium	1.29	0.823	"	"	"	"	"
Sodium	4.91	0.435	"	"	"	"	"

**pH in Soil by 9045D**

pH	8.48	pH Units	1	B4G3120	07/31/2024	08/01/2024
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**SAR by 20B Saturated Paste**

SAR	4.48	0.0100	SAR	1	B4G3114	07/31/2024	08/01/2024
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.684	0.00500	mmhos/cm	1	B4G3120	07/31/2024	08/01/2024
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**Table 915 metals by EPA 6020B**

Arsenic	2.71	0.266	mg/kg	10	B4G3045	07/30/2024	07/31/2024	
Barium	73.5	9.18	"	"	"	"	"	
Cadmium	0.109	0.0918	"	"	"	"	"	
Copper	ND	9.18	"	"	"	"	"	Ua

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

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 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: [none]  
 Project: KMG - Miller 11-31

**WH-BG06@6'**

**7/30/2024 3:56:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory  
 Y407815-14 (Soil)**

**Table 915 metals by EPA 6020B**

Lead	8.03		0.918	mg/kg	10	B4G3045	07/30/2024	07/31/2024	
Nickel	6.89		0.918	"	"	"	"	"	
Selenium	ND		0.239	"	"	"	"	"	Ua
Silver	ND		0.0918	"	"	"	"	"	Ua
Zinc	ND		34.0	"	"	"	"	"	Ua

**Total Metals by 7196A**

Hexavalent Chromium	ND	0.115	0.288	mg/kg dry	1	2663594	08/28/2024	09/03/2024	U
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Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

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 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: [none]  
 Project: KMG - Miller 11-31

**Extractable Petroleum Hydrocarbons by 8015D - Quality Control**  
**Origins Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B4G3048 - EPA 3550B</b>										
<b>Blank (B4G3048-BLK1)</b>										
					Prepared: 07/30/2024 Analyzed: 07/30/2024					
Diesel (C10-C28)	ND	25.0	mg/kg							Ua
Residual Range Organics (C28-C40)	ND	100	"							Ua
Surrogate: o-Terphenyl	21		"	24.9		85.3	50-150			

Origins Laboratory



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 - Miller 11-31

**Extractable Petroleum Hydrocarbons by 8015D - Quality Control**  
**Origins Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B4G3048 - EPA 3550B**

**LCS (B4G3048-BS1)**

Prepared: 07/30/2024 Analyzed: 07/30/2024

Diesel (C10-C28)	1080	50.0	mg/kg	1000		108	70-130			
Residual Range Organics (C28-C40)	1150	200	"	1000		115	70-130			
Surrogate: o-Terphenyl	58		"	49.8		116	50-150			

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

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 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: [none]  
 Project: KMG - Miller 11-31

**Extractable Petroleum Hydrocarbons by 8015D - Quality Control**  
**Origins Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B4G3048 - EPA 3550B**

<b>Matrix Spike (B4G3048-MS1)</b>	<b>Source: Y407813-01</b>			Prepared: 07/30/2024 Analyzed: 07/30/2024						
Diesel (C10-C28)	978	50.0	mg/kg	1000	ND	97.8	70-130			
Residual Range Organics (C28-C40)	1070	200	"	1000	ND	107	70-130			
Surrogate: o-Terphenyl	51		"	49.8		102	50-150			

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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 - Miller 11-31

**Extractable Petroleum Hydrocarbons by 8015D - Quality Control**  
**Origins Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B4G3048 - EPA 3550B</b>										
<b>Matrix Spike Dup (B4G3048-MSD1)</b>					<b>Source: Y407813-01</b>					Prepared: 07/30/2024 Analyzed: 07/30/2024
Diesel (C10-C28)	1080	50.0	mg/kg	1000	ND	108	70-130	9.98	35	
Residual Range Organics (C28-C40)	1170	200	"	1000	ND	117	70-130	9.33	35	
Surrogate: o-Terphenyl	55		"	49.8		110	50-150			

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

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 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: [none]  
 Project: KMG - Miller 11-31

**Extractable Petroleum Hydrocarbons by 8015D - Quality Control**  
**Origins Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B4G3049 - EPA 5030 (soil)**

**Blank (B4G3049-BLK1)**

Prepared: 07/30/2024 Analyzed: 07/30/2024

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							Ua
1,3,5-Trimethylbenzene	ND	0.00200	"							Ua
Benzene	ND	0.00200	"							Ua
Ethylbenzene	ND	0.00200	"							Ua
Naphthalene	ND	0.00380	"							Ua
Toluene	ND	0.00200	"							Ua
Xylenes, total	ND	0.00200	"							Ua
Gasoline Range Hydrocarbons	ND	0.200	"							Ua
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125	106		70-130			
Surrogate: Toluene-d8	0.13		"	0.125	108		70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125	114		70-130			

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

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Wheat Ridge CO 80033

Dan Coloccia  
Project Number: [none]  
Project: KMG - Miller 11-31

## Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4G3049 - EPA 5030 (soil)

### LCS (B4G3049-BS1)

Prepared: 07/30/2024 Analyzed: 07/30/2024

1,2,4-Trimethylbenzene	0.0919	0.00200	mg/kg	0.100		91.9	70-130			
1,3,5-Trimethylbenzene	0.0904	0.00200	"	0.100		90.4	70-130			
Benzene	0.0879	0.00200	"	0.100		87.9	70-130			
Ethylbenzene	0.0849	0.00200	"	0.100		84.9	70-130			
Naphthalene	0.0983	0.00380	"	0.100		98.3	70-130			
Toluene	0.0909	0.00200	"	0.100		90.9	70-130			
o-Xylene	0.0864	0.00200	"	0.100		86.4	70-130			
m,p-Xylene	0.172	0.00400	"	0.200		85.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		103	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		107	70-130			

Origins Laboratory



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Eagle Environmental Consulting, LLC  
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 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: [none]  
 Project: KMG - Miller 11-31

**Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control**  
**Origins Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4G3049 - EPA 5030 (soil)

Matrix Spike (B4G3049-MS1)	Source: Y407813-01			Prepared: 07/30/2024 Analyzed: 07/30/2024						
1,2,4-Trimethylbenzene	0.0898	0.00200	mg/kg	0.100	ND	89.8	70-130			
1,3,5-Trimethylbenzene	0.0879	0.00200	"	0.100	ND	87.9	70-130			
Benzene	0.0865	0.00200	"	0.100	ND	86.5	70-130			
Ethylbenzene	0.0862	0.00200	"	0.100	ND	86.2	70-130			
Naphthalene	0.0903	0.00380	"	0.100	ND	90.3	70-130			
Toluene	0.0894	0.00200	"	0.100	ND	89.4	70-130			
o-Xylene	0.0852	0.00200	"	0.100	ND	85.2	70-130			
m,p-Xylene	0.173	0.00400	"	0.200	ND	86.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		105	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		110	70-130			

Origins Laboratory



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Eagle Environmental Consulting, LLC  
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Dan Coloccia  
 Project Number: [none]  
 Project: KMG - Miller 11-31

**Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control**  
**Origins Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4G3049 - EPA 5030 (soil)

Matrix Spike Dup (B4G3049-MSD1)	Source: Y407813-01			Prepared: 07/30/2024 Analyzed: 07/30/2024						
1,2,4-Trimethylbenzene	0.0852	0.00200	mg/kg	0.100	ND	85.2	70-130	5.23	20	
1,3,5-Trimethylbenzene	0.0831	0.00200	"	0.100	ND	83.1	70-130	5.66	20	
Benzene	0.0824	0.00200	"	0.100	ND	82.4	70-130	4.90	20	
Ethylbenzene	0.0792	0.00200	"	0.100	ND	79.2	70-130	8.54	20	
Naphthalene	0.0915	0.00380	"	0.100	ND	91.5	70-130	1.23	20	
Toluene	0.0859	0.00200	"	0.100	ND	85.9	70-130	3.97	20	
o-Xylene	0.0798	0.00200	"	0.100	ND	79.8	70-130	6.60	20	
m,p-Xylene	0.160	0.00400	"	0.200	ND	80.2	70-130	7.50	20	
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		110	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		100	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		109	70-130			

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

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Dan Coloccia  
 Project Number: [none]  
 Project: KMG - Miller 11-31

**Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control**  
**Origins Laboratory**

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**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B4G3045 - EPA 3050B**

**Blank (B4G3045-BLK1)**

Prepared: 07/30/2024 Analyzed: 07/31/2024

Arsenic	ND	0.290	mg/kg							Ua
Barium	ND	10.0	"							Ua
Cadmium	ND	0.100	"							Ua
Copper	ND	10.0	"							Ua
Lead	ND	1.00	"							Ua
Nickel	ND	1.00	"							Ua
Selenium	ND	0.260	"							Ua
Silver	ND	0.100	"							Ua
Zinc	ND	37.0	"							Ua

**LCS (B4G3045-BS1)**

Prepared: 07/30/2024 Analyzed: 07/31/2024

Arsenic	5.12	0.290	mg/kg	5.00		102	80-120			
Barium	530	10.0	"	500		106	80-120			
Cadmium	5.43	0.100	"	5.00		109	80-120			
Copper	50.9	10.0	"	50.0		102	80-120			
Lead	5.35	1.00	"	5.00		107	80-120			
Nickel	5.26	1.00	"	5.00		105	80-120			
Selenium	5.43	0.260	"	5.00		109	80-120			
Silver	5.32	0.100	"	5.00		106	80-120			
Zinc	52.3	37.0	"	50.0		105	80-120			

**Matrix Spike (B4G3045-MS1)**

**Source: Y407812-01**

Prepared: 07/30/2024 Analyzed: 07/31/2024

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Jen Pellegrini For Jordan A. Bynon, Project Manager

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 Project: KMG - Miller 11-31

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B4G3045 - EPA 3050B**

<b>Matrix Spike (B4G3045-MS1)</b>	<b>Source: Y407812-01</b>			<b>Prepared: 07/30/2024 Analyzed: 07/31/2024</b>						
Arsenic	6.76	0.259	mg/kg	4.46	1.86	110	75-125			
Barium	571	8.92	"	446	30.0	121	75-125			
Cadmium	4.85	0.0892	"	4.46	0.0389	108	75-125			
Copper	49.4	8.92	"	44.6	2.38	105	75-125			
Lead	12.1	0.892	"	4.46	3.51	192	75-125			QM-07
Nickel	10.7	0.892	"	4.46	3.03	171	75-125			QM-07
Selenium	4.47	0.232	"	4.46	0.0646	98.9	75-125			
Silver	4.72	0.0892	"	4.46	ND	106	75-125			
Zinc	73.2	33.0	"	44.6	17.8	124	75-125			

<b>Matrix Spike Dup (B4G3045-MSD1)</b>	<b>Source: Y407812-01</b>			<b>Prepared: 07/30/2024 Analyzed: 07/31/2024</b>						
Arsenic	6.76	0.264	mg/kg	4.56	1.86	108	75-125	0.0480	20	
Barium	592	9.12	"	456	30.0	123	75-125	3.62	20	
Cadmium	4.94	0.0912	"	4.56	0.0389	107	75-125	1.65	20	
Copper	50.1	9.12	"	45.6	2.38	105	75-125	1.27	20	
Lead	12.6	0.912	"	4.56	3.51	199	75-125	4.28	20	QM-07
Nickel	11.0	0.912	"	4.56	3.03	174	75-125	2.69	20	QM-07
Selenium	4.79	0.237	"	4.56	0.0646	104	75-125	6.89	20	
Silver	4.81	0.0912	"	4.56	ND	105	75-125	1.75	20	
Zinc	75.1	33.7	"	45.6	17.8	126	75-125	2.65	20	QM-07

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Jen Pellegrini For Jordan A. Bynon, Project Manager

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Dan Coloccia  
 Project Number: [none]  
 Project: KMG - Miller 11-31

**EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control**  
**Origins Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B4G3046 - EPA 3580**

**Blank (B4G3046-BLK1)**

Prepared: 07/30/2024 Analyzed: 07/30/2024

1-Methylnaphthalene	ND	0.002	mg/kg							Ua
2-Methylnaphthalene	ND	0.002	"							Ua
Acenaphthene	ND	0.020	"							Ua
Anthracene	ND	0.020	"							Ua
Benzo (a) anthracene	ND	0.005	"							Ua
Benzo (a) pyrene	ND	0.020	"							Ua
Benzo (b) fluoranthene	ND	0.020	"							Ua
Benzo (g,h,i) perylene	ND	0.020	"							Ua
Benzo (k) fluoranthene	ND	0.020	"							Ua
Chrysene	ND	0.020	"							Ua
Dibenz (a,h) anthracene	ND	0.020	"							Ua
Fluoranthene	ND	0.020	"							Ua
Fluorene	ND	0.020	"							Ua
Indeno (1,2,3-cd) pyrene	ND	0.020	"							Ua
Naphthalene	ND	0.002	"							Ua
Phenanthrene	ND	0.020	"							Ua
Pyrene	ND	0.020	"							Ua
Surrogate: Fluorene-d10	200		ug/kg	200		98.9	60-130			
Surrogate: Anthracene-d10	180		"	200		88.5	60-130			
Surrogate: Pyrene-d10	200		"	200		99.3	60-130			
Surrogate: Benzo (a) pyrene-d12	220		"	200		110	60-130			

**LCS (B4G3046-BS1)**

Prepared: 07/30/2024 Analyzed: 07/30/2024

1-Methylnaphthalene	0.171	0.002	mg/kg	0.200		85.5	70-130			
2-Methylnaphthalene	0.174	0.002	"	0.200		87.2	70-130			
Acenaphthene	0.191	0.020	"	0.200		95.4	70-130			
Anthracene	0.187	0.020	"	0.200		93.5	70-130			

Origins Laboratory

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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 - Miller 11-31

**EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control**  
**Origins Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B4G3046 - EPA 3580**

**LCS (B4G3046-BS1)**

Prepared: 07/30/2024 Analyzed: 07/30/2024

Benzo (a) anthracene	0.181	0.005	mg/kg	0.200		90.4	70-130			
Benzo (a) pyrene	0.185	0.020	"	0.200		92.3	70-130			
Benzo (b) fluoranthene	0.210	0.020	"	0.200		105	70-130			
Benzo (g,h,i) perylene	0.186	0.020	"	0.200		93.0	70-130			
Benzo (k) fluoranthene	0.212	0.020	"	0.200		106	70-130			
Chrysene	0.182	0.020	"	0.200		90.8	70-130			
Dibenz (a,h) anthracene	0.183	0.020	"	0.200		91.5	70-130			
Fluoranthene	0.204	0.020	"	0.200		102	70-130			
Fluorene	0.203	0.020	"	0.200		102	70-130			
Indeno (1,2,3-cd) pyrene	0.228	0.020	"	0.200		114	70-130			
Naphthalene	0.183	0.002	"	0.200		91.7	70-130			
Phenanthrene	0.187	0.020	"	0.200		93.3	70-130			
Pyrene	0.190	0.020	"	0.200		95.0	70-130			
Surrogate: Fluorene-d10	210		ug/kg	200		106	60-130			
Surrogate: Anthracene-d10	190		"	200		96.2	60-130			
Surrogate: Pyrene-d10	190		"	200		97.2	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		100	60-130			

**Matrix Spike (B4G3046-MS1)**

Source: Y407814-01

Prepared: 07/30/2024 Analyzed: 07/30/2024

1-Methylnaphthalene	0.179	0.002	mg/kg	0.200	ND	89.4	70-130			
2-Methylnaphthalene	0.182	0.002	"	0.200	ND	90.8	70-130			
Acenaphthene	0.194	0.020	"	0.200	ND	97.2	70-130			
Anthracene	0.199	0.020	"	0.200	ND	99.5	70-130			
Benzo (a) anthracene	0.199	0.005	"	0.200	0.002	98.5	70-130			
Benzo (a) pyrene	0.234	0.020	"	0.200	0.005	114	70-130			
Benzo (b) fluoranthene	0.261	0.020	"	0.200	0.005	128	70-130			
Benzo (g,h,i) perylene	0.203	0.020	"	0.200	0.011	96.3	70-130			

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

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Dan Coloccia  
 Project Number: [none]  
 Project: KMG - Miller 11-31

## EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B4G3046 - EPA 3580**

Matrix Spike (B4G3046-MS1)	Source: Y407814-01			Prepared: 07/30/2024 Analyzed: 07/30/2024						
Benzo (k) fluoranthene	0.247	0.020	mg/kg	0.200	0.006	120	70-130			
Chrysene	0.208	0.020	"	0.200	0.004	102	70-130			
Dibenz (a,h) anthracene	0.182	0.020	"	0.200	0.010	86.2	70-130			
Fluoranthene	0.252	0.020	"	0.200	0.001	126	70-130			
Fluorene	0.213	0.020	"	0.200	0.0003	106	70-130			
Indeno (1,2,3-cd) pyrene	0.200	0.020	"	0.200	0.010	94.9	70-130			
Naphthalene	0.192	0.002	"	0.200	ND	95.9	70-130			
Phenanthrene	0.204	0.020	"	0.200	0.0003	102	70-130			
Pyrene	0.256	0.020	"	0.200	0.001	127	70-130			
Surrogate: Fluorene-d10	210		ug/kg	200		103	60-130			
Surrogate: Anthracene-d10	200		"	200		100	60-130			
Surrogate: Pyrene-d10	230		"	200		116	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		99.2	60-130			

Matrix Spike Dup (B4G3046-MSD1)	Source: Y407814-01			Prepared: 07/30/2024 Analyzed: 07/30/2024						
1-Methylnaphthalene	0.192	0.002	mg/kg	0.200	ND	96.1	70-130	7.30	20	
2-Methylnaphthalene	0.194	0.002	"	0.200	ND	97.2	70-130	6.79	20	
Acenaphthene	0.201	0.020	"	0.200	ND	100	70-130	3.24	20	
Anthracene	0.197	0.020	"	0.200	ND	98.4	70-130	1.13	20	
Benzo (a) anthracene	0.216	0.005	"	0.200	0.002	107	70-130	7.89	20	
Benzo (a) pyrene	0.221	0.020	"	0.200	0.005	108	70-130	5.33	20	
Benzo (b) fluoranthene	0.253	0.020	"	0.200	0.005	124	70-130	3.17	20	
Benzo (g,h,i) perylene	0.223	0.020	"	0.200	0.011	106	70-130	9.16	20	
Benzo (k) fluoranthene	0.241	0.020	"	0.200	0.006	117	70-130	2.64	20	
Chrysene	0.212	0.020	"	0.200	0.004	104	70-130	2.16	20	
Dibenz (a,h) anthracene	0.205	0.020	"	0.200	0.010	97.6	70-130	11.8	20	
Fluoranthene	0.243	0.020	"	0.200	0.001	121	70-130	3.74	20	

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Jen Pellegrini For Jordan A. Bynon, Project Manager

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Dan Coloccia  
 Project Number: [none]  
 Project: KMG - Miller 11-31

**EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control**  
**Origins Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B4G3046 - EPA 3580**

Matrix Spike Dup (B4G3046-MSD1)	Source: Y407814-01			Prepared: 07/30/2024 Analyzed: 07/30/2024						
Fluorene	0.200	0.020	mg/kg	0.200	0.0003	99.9	70-130	6.06	20	
Indeno (1,2,3-cd) pyrene	0.264	0.020	"	0.200	0.010	127	70-130	27.8	20	QR-02
Naphthalene	0.203	0.002	"	0.200	ND	102	70-130	5.80	20	
Phenanthrene	0.204	0.020	"	0.200	0.0003	102	70-130	0.0971	20	
Pyrene	0.245	0.020	"	0.200	0.001	122	70-130	4.42	20	
Surrogate: Fluorene-d10	190		ug/kg	200		94.6	60-130			
Surrogate: Anthracene-d10	190		"	200		97.2	60-130			
Surrogate: Pyrene-d10	230		"	200		117	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		107	60-130			

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 Project: KMG - Miller 11-31

**Classical Chemistry Parameters - Quality Control**  
**Origins Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B4G3108 - DTPA Sorbitol Preparation</b>										
<b>Blank (B4G3108-BLK1)</b>					Prepared: 07/31/2024 Analyzed: 08/01/2024					
Boron	ND	0.100	mg/L							Ua
<b>Duplicate (B4G3108-DUP1)</b>		<b>Source: Y407814-05</b>			Prepared: 07/31/2024 Analyzed: 08/01/2024					
Boron	0.879	0.0987	mg/L		0.932			5.92	50	
<b>Batch B4G3113 - Saturated Paste Metals</b>										
<b>Blank (B4G3113-BLK1)</b>					Prepared: 07/31/2024 Analyzed: 08/01/2024					
Calcium PPM	ND	10.0	mg/L							Ua
SAR	ND	0.0100	SAR							Ua
Magnesium PPM	ND	10.0	mg/L							Ua
Sodium PPM	ND	10.0	"							Ua
<b>Duplicate (B4G3113-DUP1)</b>		<b>Source: Y407809-06</b>			Prepared: 07/31/2024 Analyzed: 08/01/2024					
SAR	ND	0.0100	SAR		5.82				200	Ua
Calcium PPM	59.4	10.0	mg/L		36.6			47.4	50	
Magnesium PPM	15.6	10.0	"		9.70			46.5	50	
Sodium PPM	177	10.0	"		153			14.3	50	
<b>Batch B4G3114 - Saturated Paste Metals</b>										
<b>Blank (B4G3114-BLK1)</b>					Prepared: 07/31/2024 Analyzed: 08/01/2024					
Calcium PPM	ND	10.0	mg/L							Ua
SAR	ND	0.0100	SAR							Ua
Magnesium PPM	ND	10.0	mg/L							Ua
Sodium PPM	ND	10.0	"							Ua

Origins Laboratory



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 - Miller 11-31

**Classical Chemistry Parameters - Quality Control**  
**Origins Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B4G3114 - Saturated Paste Metals**

Duplicate (B4G3114-DUP1)	Source: Y407676-17			Prepared: 07/31/2024 Analyzed: 08/01/2024						
Calcium PPM	7.98	10.0	mg/L		9.58			18.2	50	Ua
SAR	ND	0.0100	SAR		9.72				200	Ua
Magnesium PPM	3.88	10.0	mg/L		4.71			19.3	50	Ua
Sodium PPM	127	10.0	"		147			14.4	50	

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**Saturated Paste - Quality Control  
 Origins Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B4G3119 - Saturated Paste pH/EC**

**Blank (B4G3119-BLK1)**

Prepared: 07/31/2024 Analyzed: 08/01/2024

Specific Conductance (EC)	ND	0.00500	mmhos/cm							Ua
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**Duplicate (B4G3119-DUP1)**

**Source: Y407809-06**

Prepared: 07/31/2024 Analyzed: 08/01/2024

pH	8.34		pH Units		8.42			0.955	25	
Specific Conductance (EC)	1.15	0.00500	mmhos/cm		0.942			19.5	25	

**Batch B4G3120 - Saturated Paste pH/EC**

**Blank (B4G3120-BLK1)**

Prepared: 07/31/2024 Analyzed: 08/01/2024

Specific Conductance (EC)	ND	0.00500	mmhos/cm							Ua
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**Duplicate (B4G3120-DUP1)**

**Source: Y407676-17**

Prepared: 07/31/2024 Analyzed: 08/01/2024

pH	8.70		pH Units		8.68			0.230	25	
Specific Conductance (EC)	0.645	0.00500	mmhos/cm		0.714			10.2	25	

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 Project: KMG - Miller 11-31

**Total Metals by 7196A - Quality Control**  
**GEL Laboratories, LLC**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 2663594 - SW846 3060A</b>										
<b>BLANK (1205836724-BLK)</b>					Prepared: 08/28/2024 Analyzed: 09/03/2024					
Hexavalent Chromium	ND	0.241	mg/kg				-			U
<b>LCS (1205836725-BKS)</b>					Prepared: 08/28/2024 Analyzed: 09/03/2024					
Hexavalent Chromium	3.57	0.365	mg/kg	3.65		97.9	80-120			
<b>DUP (1205836726 D)</b>					Source: Y407815-01 Prepared: 08/28/2024 Analyzed: 09/03/2024					
Hexavalent Chromium	ND	0.297	mg/kg dry		<0.119		0-50	N/A	50	U
<b>MS (1205836727 S)</b>					Source: Y407815-01 Prepared: 08/28/2024 Analyzed: 09/03/2024					
Hexavalent Chromium	1.44	0.297	mg/kg dry	2.97	<0.119	47.1	75-125			
<b>DUP (1205836728 D)</b>					Source: Y407815-02 Prepared: 08/28/2024 Analyzed: 09/03/2024					
Hexavalent Chromium	ND	0.306	mg/kg dry		<0.122		0-50	N/A	50	U
<b>MS (1205836729 S)</b>					Source: Y407815-02 Prepared: 08/28/2024 Analyzed: 09/03/2024					
Hexavalent Chromium	1.28	0.306	mg/kg dry	3.06	<0.122	40.5	75-125			
<b>ILCS (1205836730-ILCS)</b>					Prepared: 08/28/2024 Analyzed: 09/03/2024					
Hexavalent Chromium	7.85	0.368	mg/kg	7.59		103	80-120			

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Dan Coloccia  
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Project: KMG - Miller 11-31

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### Notes and Definitions

Ua Sample is Non-Detect.

U Result not detected above the detection limit

QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

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 on a wet weight basis.

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

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