

Absaroka

January 16, 2025

Max Dahlgren

112 High St.

Buffalo

WY

82834

Project Name - KMG - Miller 7-7 Wellhead

Project Number - [none]

Attached are your analytical results for KMG - Miller 7-7 Wellhead received by Origins Laboratory December 09, 2024. This project is associated with Origins project number E4L0307-01.

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



Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Miller 7-7 Wellhead

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-B01@7'	E4L0307-01	Soil	December 9, 2024 12:00	12/09/2024 16:30
FL-B01@4'	E4L0307-02	Soil	December 9, 2024 12:10	12/09/2024 16:30
BG01@3"	E4L0307-03	Soil	December 9, 2024 12:12	12/09/2024 16:30
BG01@3'	E4L0307-04	Soil	December 9, 2024 12:14	12/09/2024 16:30
BG01@6'	E4L0307-05	Soil	December 9, 2024 12:16	12/09/2024 16:30
BG02@3"	E4L0307-06	Soil	December 9, 2024 12:18	12/09/2024 16:30
BG02@3'	E4L0307-07	Soil	December 9, 2024 12:20	12/09/2024 16:30
BG02@6'	E4L0307-08	Soil	December 9, 2024 12:22	12/09/2024 16:30
BG03@3"	E4L0307-09	Soil	December 9, 2024 12:24	12/09/2024 16:30
BG03@3'	E4L0307-10	Soil	December 9, 2024 12:26	12/09/2024 16:30
BG03@6'	E4L0307-11	Soil	December 9, 2024 12:28	12/09/2024 16:30

Origins Laboratory



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

ORIGINS LABORATORY

On behalf of Enthelphy Analytical Amelia Jensen reissued report on 01.16.2025 12:58

Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Miller 7-7 Wellhead

ORIGINS

640307

Page 1 of 2

Client: ONY / Absaroka
Address: _____
Telephone Number: 970-481-6990
Email Address: ony.co.ene@absarokasolutions.com
Project Manager: Max Dahlgren
Project Name: Miller 7-7 Wellhead
Collected By: SE/CH
Invoice/Billing Info: On File - ONY
GMS/Computer: _____
SMS/Barcode/Media: _____
WMS/Mobile/Other: _____

Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix Preservative	Analysis			Comments
					915 Metals	EC SAN	PH	
WT-B0107'	12/19/24	12:00	3 S	ONY				
FL-B0104'	12/19/24	12:10	3 S	ONY				
B60103"			2		X	X	X	
B60103'			2		X	X	X	
B60106'			2					
B60205"			2					
B60203'			2					
B60206'			2					
B60303"			2					

Temp Received: 57 Received On Ice? Yes No

Requisitioned By: Shannon Edwards Date: 12/19/24 Time: 11:50
Received By: [Signature] Date: 12/19/24 Time: 1:30
Turnaround Time: 48 Hr 72
 X SAME DAY 24

Origins Laboratory
[Signature]

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ORIGINS LABORATORY

On behalf of Enthralpy Analytical Amelia Jensen reissued report on 01.16.2025 12:58

Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Miller 7-7 Wellhead

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

Sample Receipt Checklist

Origins Work Order: E4L0307 Client: Absaroka
Client Project ID: Miller 7-7

Checklist Completed by: AHJ mkr Shipped Via: HD
(UPS, FedEx, Hand Delivered, Pick-up, etc.)
Date/time completed: 12/19/24 Airbill #: N/A

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

Cooler Number/Temperature: 138 °C / _____ °C / _____ °C (Describe) _____ °C

Thermometer ID: 7007

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤6°C ^{(1)?}	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ^{(1)?}	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ^{(1)?}	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ^{(1)?}	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ^{(1)?}	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ^{(1)?}	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ^{(1)?}	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ^{(1)?}	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation and was it checked ^{(1)?} (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO3, HCL, H2SO4) / (pH >10 for samples preserved with NaAsO2-NaOH, ZnAc-NaOH)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Additional Comments (if any):				

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

Reviewed by (Project Manager) AHJ

Date/Time Reviewed 12/19/24

Origins Laboratory



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Jordan A. Bynon, Project Manager

Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Miller 7-7 Wellhead

WH-B01@7'

12/9/2024 12:00:00PM

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

E4L0307-01 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.100	mg/L	1	B4L1004	12/10/2024	12/13/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4L0935	12/09/2024	12/09/2024	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	70.4 %		50-150	"	"	"	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4L0948	12/09/2024	12/10/2024	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	98.3 %		70-130	"	"	"	"	"	"
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Origins Laboratory



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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Miller 7-7 Wellhead

WH-B01@7

12/9/2024 12:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E4L0307-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	104 %		70-130			B4L09 48	12/09/2024	12/10/2024	
Surrogate: 4-Bromofluorobenzene	117 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	0.988		0.499	meq/L	10	[CALC]	12/10/2024	12/13/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.882		0.435	"	"	"	"	"	

PAH by 8270E SIM

1-Methylnaphthalene	0.00489	0.00115	0.00349	mg/kg dry	1	2721902	12/17/2024	12/18/2024	
2-Methylnaphthalene	0.00699	0.00115	0.00349	"	"	"	"	"	
Acenaphthene	ND	0.00115	0.00349	"	"	"	"	"	U
Anthracene	ND	0.00115	0.00349	"	"	"	"	"	U
Benzo(a)anthracene	0.00175	0.00115	0.00349	"	"	"	"	"	J
Benzo(a)pyrene	ND	0.00115	0.00349	"	"	"	"	"	U
Benzo(b)fluoranthene	ND	0.00115	0.00349	"	"	"	"	"	U
Benzo(k)fluoranthene	ND	0.00115	0.00349	"	"	"	"	"	U
Chrysene	ND	0.00115	0.00349	"	"	"	"	"	U
Dibenzo(a,h)anthracene	ND	0.00115	0.00349	"	"	"	"	"	U
Fluoranthene	ND	0.00115	0.00349	"	"	"	"	"	U

Origins Laboratory



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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Miller 7-7 Wellhead

WH-B01@7

12/9/2024 12:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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GEL Laboratories, LLC

E4L0307-01 (Soil)

PAH by 8270E SIM

Fluorene	ND	0.00115	0.00349	mg/kg dry	1	2721902	12/17/2024	12/18/2024	U
Indeno(1,2,3-cd)pyrene	ND	0.00115	0.00349	"	"	"	"	"	U
Naphthalene	0.00210	0.00115	0.00349	"	"	"	"	"	J
Pyrene	ND	0.00115	0.00349	"	"	"	"	"	U

Surrogate: 5-alpha-Androstane

94 % 22-135 " " "

pH in Soil by 9045D

pH 9.96 pH Units 1 B4L1024 12/10/2024 12/12/2024

SAR by 20B Saturated Paste

SAR 1.20 0.0100 SAR 1 B4L1015 12/10/2024 12/13/2024

Specific Conductance Mod. 9050A

Specific Conductance (EC) 0.283 0.00500 mmhos/cm 1 B4L1024 12/10/2024 12/12/2024

Table 915 metals by EPA 6020B

Arsenic	0.543	0.256	mg/kg	10	B4L0945	12/09/2024	12/10/2024
Barium	14.0	8.84	"	"	"	"	"
Cadmium	ND	0.0884	"	"	"	"	"

Origins Laboratory



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Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Miller 7-7 Wellhead

WH-B01@7

12/9/2024 12:00:00PM

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


E4L0307-01 (Soil)

Table 915 metals by EPA 6020B

Copper	ND		8.84	mg/kg	10	B4L0945	12/09/2024	12/10/2024	
Lead	7.35		0.884	"	"	"	"	"	
Nickel	1.23		0.884	"	"	"	"	"	
Selenium	ND		0.230	"	"	"	"	"	
Silver	ND		0.0884	"	"	"	"	"	
Zinc	ND		32.7	"	"	"	"	"	

Total Metals by 7196A

Hexavalent Chromium	ND	0.163	0.408	mg/kg dry	1	2730002	01/08/2025	01/15/2025	U
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Origins Laboratory


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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Miller 7-7 Wellhead

FL-B01@4'
12/9/2024 12:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E4L0307-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.268	0.101	mg/L	1	B4L1004	12/10/2024	12/13/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4L0935	12/09/2024	12/09/2024	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	75.8 %	50-150	"	"	"	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4L0948	12/09/2024	12/10/2024	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	98.6 %	70-130	"	"	"	"	"	"
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Origins Laboratory



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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Miller 7-7 Wellhead

FL-B01@4'

12/9/2024 12:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E4L0307-02 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	92.8 %		70-130			B4L09 48	12/09/2024	12/10/2024	
Surrogate: 4-Bromofluorobenzene	116 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.86		0.499	meq/L	10	[CALC]	12/10/2024	12/13/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	2.29		0.435	"	"	"	"	"	

PAH by 8270E SIM

1-Methylnaphthalene	ND	0.00130	0.00395	mg/kg dry	1	2721902	12/17/2024	12/18/2024	U
2-Methylnaphthalene	ND	0.00130	0.00395	"	"	"	"	"	U
Acenaphthene	ND	0.00130	0.00395	"	"	"	"	"	U
Anthracene	ND	0.00130	0.00395	"	"	"	"	"	U
Benzo(a)anthracene	ND	0.00130	0.00395	"	"	"	"	"	U
Benzo(a)pyrene	0.00237	0.00130	0.00395	"	"	"	"	"	J
Benzo(b)fluoranthene	0.00316	0.00130	0.00395	"	"	"	"	"	J
Benzo(k)fluoranthene	ND	0.00130	0.00395	"	"	"	"	"	U
Chrysene	0.00514	0.00130	0.00395	"	"	"	"	"	J
Dibenzo(a,h)anthracene	ND	0.00130	0.00395	"	"	"	"	"	U
Fluoranthene	0.00277	0.00130	0.00395	"	"	"	"	"	J
Fluorene	ND	0.00130	0.00395	"	"	"	"	"	U

Origins Laboratory



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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Miller 7-7 Wellhead

FL-B01@4'

12/9/2024 12:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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GEL Laboratories, LLC

E4L0307-02 (Soil)

PAH by 8270E SIM

Indeno(1,2,3-cd)pyrene	ND	0.00130	0.00395	mg/kg dry	1	2721902	12/17/2024	12/18/2024	U
Naphthalene	ND	0.00130	0.00395	"	"	"	"	"	U
Pyrene	0.00395	0.00130	0.00395	"	"	"	"	"	

Surrogate: 5-alpha-Androstane 89 % 22-135 " " "

pH in Soil by 9045D

pH 7.86 pH Units 1 B4L1024 12/10/2024 12/12/2024

SAR by 20B Saturated Paste

SAR 2.11 0.0100 SAR 1 B4L1015 12/10/2024 12/13/2024

Specific Conductance Mod. 9050A

Specific Conductance (EC) 0.570 0.00500 mmhos/cm 1 B4L1024 12/10/2024 12/12/2024

Table 915 metals by EPA 6020B

Arsenic	3.36	0.276	mg/kg	10	B4L0945	12/09/2024	12/10/2024
Barium	181	9.52	"	"	"	"	"
Cadmium	0.301	0.0952	"	"	"	"	"
Copper	19.1	9.52	"	"	"	"	"

Origins Laboratory



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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Miller 7-7 Wellhead

FL-B01@4'
12/9/2024 12:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E4L0307-02 (Soil)

Table 915 metals by EPA 6020B

Lead	28.0	0.952	0.952	mg/kg	10	B4L0945	12/09/2024	12/10/2024	
Nickel	12.0	0.952	0.952	"	"	"	"	"	
Selenium	ND	0.248	0.248	"	"	"	"	"	
Silver	0.116	0.0952	0.0952	"	"	"	"	"	
Zinc	79.2	35.2	35.2	"	"	"	"	"	

Total Metals by 7196A

Hexavalent Chromium	ND	0.165	0.413	mg/kg dry	1	2730002	01/08/2025	01/15/2025	U
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Origins Laboratory


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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Miller 7-7 Wellhead

BG01@3"

12/9/2024 12:12:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
E4L0307-03 (Soil)**

Boron (DTPA Sorbitol)

Boron	0.566	0.101	mg/L	1	B4L1004	12/10/2024	12/13/2024	
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Metals by Saturated Paste by EPA 6010

Calcium	3.11	0.499	meq/L	10	[CALC]	12/10/2024	12/13/2024	
Magnesium	1.13	0.823	"	"	"	"	"	
Sodium	4.39	0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.65		pH Units	1	B4L1024	12/10/2024	12/12/2024	
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SAR by 20B Saturated Paste

SAR	3.01	0.0100	SAR	1	B4L1015	12/10/2024	12/13/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.09	0.00500	mmhos/cm	1	B4L1024	12/10/2024	12/12/2024	
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Table 915 metals by EPA 6020B

Arsenic	4.24	0.265	mg/kg	10	B4L0945	12/09/2024	12/10/2024	
Barium	129	9.14	"	"	"	"	"	
Cadmium	0.938	0.0914	"	"	"	"	"	
Copper	28.2	9.14	"	"	"	"	"	

Origins Laboratory



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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Miller 7-7 Wellhead

BG01@3"

12/9/2024 12:12:00PM

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

E4L0307-03 (Soil)

Table 915 metals by EPA 6020B

Lead	44.9		0.914	mg/kg	10	B4L0945	12/09/2024	12/10/2024	
Nickel	10.8		0.914	"	"	"	"	"	
Selenium	0.355		0.238	"	"	"	"	"	
Silver	0.474		0.0914	"	"	"	"	"	
Zinc	113		33.8	"	"	"	"	"	

Total Metals by 7196A

Hexavalent Chromium	ND	0.183	0.457	mg/kg dry	1	2730002	01/08/2025	01/15/2025	U
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Origins Laboratory



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.

Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Miller 7-7 Wellhead

BG01@3'

12/9/2024 12:14:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E4L0307-04 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.0999	mg/L	1	B4L1004	12/10/2024	12/13/2024
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Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]	12/10/2024	12/13/2024
Magnesium	ND	0.823	"	"	"	"	"
Sodium	1.35	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	7.84		pH Units	1	B4L1024	12/10/2024	12/12/2024
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SAR by 20B Saturated Paste

SAR	2.97	0.0100	SAR	1	B4L1015	12/10/2024	12/13/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.239	0.00500	mmhos/cm	1	B4L1024	12/10/2024	12/12/2024
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Table 915 metals by EPA 6020B

Arsenic	2.23	0.280	mg/kg	10	B4L0945	12/09/2024	12/10/2024
Barium	22.5	9.66	"	"	"	"	"
Cadmium	ND	0.0966	"	"	"	"	"

Origins Laboratory



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.

Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Miller 7-7 Wellhead

BG01@3'

12/9/2024 12:14:00PM

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


E4L0307-04 (Soil)

Table 915 metals by EPA 6020B

Copper	ND		9.66	mg/kg	10	B4L0945	12/09/2024	12/10/2024	
Lead	4.39		0.966	"	"	"	"	"	
Nickel	2.75		0.966	"	"	"	"	"	
Selenium	ND		0.251	"	"	"	"	"	
Silver	ND		0.0966	"	"	"	"	"	
Zinc	ND		35.7	"	"	"	"	"	

Total Metals by 7196A

Hexavalent Chromium	ND	0.119	0.297	mg/kg dry	1	2730002	01/08/2025	01/15/2025	U
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Origins Laboratory


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.

Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Miller 7-7 Wellhead

BG01@6'

12/9/2024 12:16:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E4L0307-05 (Soil)

Boron (DTPA Sorbitol)

Boron	0.113	0.0998	mg/L	1	B4L1004	12/10/2024	12/13/2024
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Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]	12/10/2024	12/13/2024
Magnesium	ND	0.823	"	"	"	"	"
Sodium	1.23	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	7.91		pH Units	1	B4L1024	12/10/2024	12/12/2024
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SAR by 20B Saturated Paste

SAR	2.67	0.0100	SAR	1	B4L1015	12/10/2024	12/13/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.222	0.00500	mmhos/cm	1	B4L1024	12/10/2024	12/12/2024
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Table 915 metals by EPA 6020B

Arsenic	1.23	0.276	mg/kg	10	B4L0945	12/09/2024	12/10/2024
Barium	19.4	9.53	"	"	"	"	"
Cadmium	ND	0.0953	"	"	"	"	"

Origins Laboratory



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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Miller 7-7 Wellhead

BG01@6'

12/9/2024 12:16:00PM

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


E4L0307-05 (Soil)

Table 915 metals by EPA 6020B

Copper	ND		9.53	mg/kg	10	B4L0945	12/09/2024	12/10/2024	
Lead	3.34		0.953	"	"	"	"	"	
Nickel	2.37		0.953	"	"	"	"	"	
Selenium	ND		0.248	"	"	"	"	"	
Silver	ND		0.0953	"	"	"	"	"	
Zinc	ND		35.3	"	"	"	"	"	

Total Metals by 7196A

Hexavalent Chromium	ND	0.158	0.396	mg/kg dry	1	2730002	01/08/2025	01/15/2025	U
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Origins Laboratory


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.

Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Miller 7-7 Wellhead

BG02@3"

12/9/2024 12:18:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
E4L0307-06 (Soil)**

Boron (DTPA Sorbitol)

Boron	0.515	0.0988	mg/L	1	B4L1004	12/10/2024	12/13/2024	
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Metals by Saturated Paste by EPA 6010

Calcium	2.53	0.499	meq/L	10	[CALC]	12/10/2024	12/13/2024	
Magnesium	0.929	0.823	"	"	"	"	"	
Sodium	3.83	0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.43		pH Units	1	B4L1024	12/10/2024	12/12/2024	
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SAR by 20B Saturated Paste

SAR	2.91	0.0100	SAR	1	B4L1015	12/10/2024	12/13/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.863	0.00500	mmhos/cm	1	B4L1024	12/10/2024	12/12/2024	
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Table 915 metals by EPA 6020B

Arsenic	4.41	0.275	mg/kg	10	B4L0945	12/09/2024	12/10/2024	
Barium	130	9.47	"	"	"	"	"	
Cadmium	1.06	0.0947	"	"	"	"	"	
Copper	30.8	9.47	"	"	"	"	"	

Origins Laboratory



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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Miller 7-7 Wellhead

BG02@3"

12/9/2024 12:18:00PM

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


E4L0307-06 (Soil)

Table 915 metals by EPA 6020B

Lead	46.3	0.947	0.947	mg/kg	10	B4L0945	12/09/2024	12/10/2024	
Nickel	11.0	0.947	0.947	"	"	"	"	"	
Selenium	0.414	0.246	0.246	"	"	"	"	"	
Silver	0.563	0.0947	0.0947	"	"	"	"	"	
Zinc	124	35.0	35.0	"	"	"	"	"	

Total Metals by 7196A

Hexavalent Chromium	ND	0.150	0.375	mg/kg dry	1	2730002	01/08/2025	01/15/2025	U
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Origins Laboratory


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.

Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Miller 7-7 Wellhead

BG02@3'

12/9/2024 12:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
E4L0307-07 (Soil)**

Boron (DTPA Sorbitol)

Boron	0.622	0.0994	mg/L	1	B4L1004	12/10/2024	12/13/2024
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Metals by Saturated Paste by EPA 6010

Calcium	2.72	0.499	meq/L	10	[CALC]	12/10/2024	12/13/2024
Magnesium	ND	0.823	"	"	"	"	"
Sodium	4.17	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	7.83		pH Units	1	B4L1024	12/10/2024	12/12/2024
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SAR by 20B Saturated Paste

SAR	3.17	0.0100	SAR	1	B4L1015	12/10/2024	12/13/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.877	0.00500	mmhos/cm	1	B4L1024	12/10/2024	12/12/2024
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Table 915 metals by EPA 6020B

Arsenic	3.36	0.262	mg/kg	10	B4L0945	12/09/2024	12/10/2024
Barium	173	9.03	"	"	"	"	"
Cadmium	0.295	0.0903	"	"	"	"	"
Copper	21.0	9.03	"	"	"	"	"

Origins Laboratory



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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Miller 7-7 Wellhead

BG02@3'

12/9/2024 12:20:00PM

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


E4L0307-07 (Soil)

Table 915 metals by EPA 6020B

Lead	16.3		0.903	mg/kg	10	B4L0945	12/09/2024	12/10/2024	
Nickel	14.6		0.903	"	"	"	"	"	
Selenium	ND		0.235	"	"	"	"	"	
Silver	0.0912		0.0903	"	"	"	"	"	
Zinc	88.0		33.4	"	"	"	"	"	

Total Metals by 7196A

Hexavalent Chromium	ND	0.203	0.509	mg/kg dry	1	2730002	01/08/2025	01/15/2025	U
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Origins Laboratory


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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Miller 7-7 Wellhead

BG02@6'

12/9/2024 12:22:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E4L0307-08 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.0980	mg/L	1	B4L1004	12/10/2024	12/13/2024	
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Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]	12/10/2024	12/13/2024	
Magnesium	ND	0.823	"	"	"	"	"	
Sodium	0.585	0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.38		pH Units	1	B4L1024	12/10/2024	12/12/2024	
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SAR by 20B Saturated Paste

SAR	1.60	0.0100	SAR	1	B4L1015	12/10/2024	12/13/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.122	0.00500	mmhos/cm	1	B4L1024	12/10/2024	12/12/2024	
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Table 915 metals by EPA 6020B

Arsenic	0.688	0.250	mg/kg	10	B4L0945	12/09/2024	12/10/2024	
Barium	23.8	8.63	"	"	"	"	"	
Cadmium	ND	0.0863	"	"	"	"	"	

Origins Laboratory



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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Miller 7-7 Wellhead

BG02@6'

12/9/2024 12:22:00PM

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


E4L0307-08 (Soil)

Table 915 metals by EPA 6020B

Copper	ND		8.63	mg/kg	10	B4L0945	12/09/2024	12/10/2024	
Lead	3.30		0.863	"	"	"	"	"	
Nickel	1.61		0.863	"	"	"	"	"	
Selenium	ND		0.224	"	"	"	"	"	
Silver	ND		0.0863	"	"	"	"	"	
Zinc	ND		31.9	"	"	"	"	"	

Total Metals by 7196A

Hexavalent Chromium	ND	0.156	0.391	mg/kg dry	1	2730002	01/08/2025	01/15/2025	U
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Origins Laboratory


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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Miller 7-7 Wellhead

BG03@3"

12/9/2024 12:24:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
E4L0307-09 (Soil)**

Boron (DTPA Sorbitol)

Boron	0.633	0.0988	mg/L	1	B4L1004	12/10/2024	12/13/2024
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Metals by Saturated Paste by EPA 6010

Calcium	4.93	0.499	meq/L	10	[CALC]	12/10/2024	12/13/2024
Magnesium	1.94	0.823	"	"	"	"	"
Sodium	1.87	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	6.48		pH Units	1	B4L1024	12/10/2024	12/12/2024
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SAR by 20B Saturated Paste


SAR	1.01	0.0100	SAR	1	B4L1015	12/10/2024	12/13/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.21	0.00500	mmhos/cm	1	B4L1024	12/10/2024	12/12/2024
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Table 915 metals by EPA 6020B

Arsenic	3.41	0.282	mg/kg	10	B4L0945	12/09/2024	12/10/2024
Barium	105	9.74	"	"	"	"	"
Cadmium	0.795	0.0974	"	"	"	"	"
Copper	21.8	9.74	"	"	"	"	"

Origins Laboratory


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.

Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Miller 7-7 Wellhead

BG03@3"

12/9/2024 12:24:00PM

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


E4L0307-09 (Soil)

Table 915 metals by EPA 6020B

Lead	32.6		0.974	mg/kg	10	B4L0945	12/09/2024	12/10/2024	
Nickel	8.16		0.974	"	"	"	"	"	
Selenium	0.255		0.253	"	"	"	"	"	
Silver	0.393		0.0974	"	"	"	"	"	
Zinc	98.2		36.0	"	"	"	"	"	

Total Metals by 7196A

Hexavalent Chromium	ND	0.176	0.440	mg/kg dry	1	2730002	01/08/2025	01/15/2025	U
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Origins Laboratory


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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Miller 7-7 Wellhead

BG03@3'

12/9/2024 12:26:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E4L0307-10 (Soil)

Boron (DTPA Sorbitol)

Boron	0.153	0.0994	mg/L	1	B4L1004	12/10/2024	12/13/2024	
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Metals by Saturated Paste by EPA 6010

Calcium	2.36	0.499	meq/L	10	[CALC]	12/10/2024	12/13/2024	
Magnesium	0.842	0.823	"	"	"	"	"	
Sodium	5.86	0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.59		pH Units	1	B4L1024	12/10/2024	12/12/2024	
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SAR by 20B Saturated Paste

SAR	4.63	0.0100	SAR	1	B4L1015	12/10/2024	12/13/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.14	0.00500	mmhos/cm	1	B4L1024	12/10/2024	12/12/2024	
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Table 915 metals by EPA 6020B

Arsenic	1.07	0.268	mg/kg	10	B4L0945	12/09/2024	12/10/2024	
Barium	40.1	9.23	"	"	"	"	"	
Cadmium	ND	0.0923	"	"	"	"	"	
Copper	ND	9.23	"	"	"	"	"	

Origins Laboratory



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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Miller 7-7 Wellhead

BG03@3'

12/9/2024 12:26:00PM

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


E4L0307-10 (Soil)

Table 915 metals by EPA 6020B

Lead	3.76	0.923	0.923	mg/kg	10	B4L0945	12/09/2024	12/10/2024	
Nickel	2.80	0.923	0.923	"	"	"	"	"	
Selenium	ND	0.240	0.240	"	"	"	"	"	
Silver	ND	0.0923	0.0923	"	"	"	"	"	
Zinc	ND	34.1	34.1	"	"	"	"	"	

Total Metals by 7196A

Hexavalent Chromium	ND	0.155	0.387	mg/kg dry	1	2730005	01/08/2025	01/15/2025	U
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Origins Laboratory


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.

Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Miller 7-7 Wellhead

BG03@6'

12/9/2024 12:28:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E4L0307-11 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.0990	mg/L	1	B4L1004	12/10/2024	12/13/2024
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Metals by Saturated Paste by EPA 6010

Calcium	0.605	0.499	meq/L	10	[CALC]	12/10/2024	12/12/2024
Magnesium	ND	0.823	"	"	"	"	"
Sodium	1.92	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	7.39		pH Units	1	B4L1025	12/10/2024	12/11/2024
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SAR by 20B Saturated Paste

SAR	2.95	0.0100	SAR	1	B4L1016	12/10/2024	12/12/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.327	0.00500	mmhos/cm	1	B4L1025	12/10/2024	12/11/2024
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Table 915 metals by EPA 6020B

Arsenic	0.595	0.278	mg/kg	10	B4L0945	12/09/2024	12/10/2024
Barium	25.2	9.58	"	"	"	"	"
Cadmium	ND	0.0958	"	"	"	"	"

Origins Laboratory



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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Miller 7-7 Wellhead

BG03@6'

12/9/2024 12:28:00PM

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


E4L0307-11 (Soil)

Table 915 metals by EPA 6020B

Copper	ND		9.58	mg/kg	10	B4L0945	12/09/2024	12/10/2024	
Lead	2.76		0.958	"	"	"	"	"	
Nickel	1.69		0.958	"	"	"	"	"	
Selenium	ND		0.249	"	"	"	"	"	
Silver	ND		0.0958	"	"	"	"	"	
Zinc	ND		35.5	"	"	"	"	"	

Total Metals by 7196A

Hexavalent Chromium	ND	0.145	0.363	mg/kg dry	1	2730005	01/08/2025	01/15/2025	U
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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Miller 7-7 Wellhead

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
Batch B4L0935 - EPA 3550B										
Blank (B4L0935-BLK1)										
					Prepared: 12/09/2024 Analyzed: 12/10/2024					
Diesel (C10-C28)	ND	25.0	mg/kg							Ua
Residual Range Organics (C28-C40)	ND	100	"							Ua
Surrogate: o-Terphenyl	23		"	24.9		92.6	50-150			

Origins Laboratory

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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Miller 7-7 Wellhead

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
Batch B4L0935 - EPA 3550B										
LCS (B4L0935-BS1)										
					Prepared: 12/09/2024 Analyzed: 12/10/2024					
Diesel (C10-C28)	1050	50.0	mg/kg	1000		105	70-130			
Residual Range Organics (C28-C40)	1080	200	"	1000		108	70-130			
Surrogate: o-Terphenyl	54		"	49.8		108	50-150			

Origins Laboratory


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Absaroka
 112 High St.
 Buffalo WY 82834

Max Dahlgren
 Project Number: [none]
 Project: KMG - Miller 7-7 Wellhead

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
Batch B4L0935 - EPA 3550B										
Matrix Spike (B4L0935-MS1)			Source: E4L0255-01			Prepared: 12/09/2024 Analyzed: 12/10/2024				
Diesel (C10-C28)	1130	50.0	mg/kg	1000	58.5	108	70-130			
Residual Range Organics (C28-C40)	1400	200	"	1000	445	95.2	70-130			QM-07
Surrogate: o-Terphenyl	52		"	49.8		104	50-150			

Origins Laboratory


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Absaroka

112 High St.

Buffalo WY 82834

Max Dahlgren

Project Number: [none]

Project: KMG - Miller 7-7 Wellhead

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
Batch B4L0935 - EPA 3550B										
Matrix Spike Dup (B4L0935-MSD1)			Source: E4L0255-01			Prepared: 12/09/2024 Analyzed: 12/10/2024				
Diesel (C10-C28)	1120	50.0	mg/kg	1000	58.5	106	70-130	1.63	35	
Residual Range Organics (C28-C40)	1450	200	"	1000	445	100	70-130	3.67	35	QM-07
Surrogate: o-Terphenyl	50		"	49.8		101	50-150			

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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Miller 7-7 Wellhead

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 B4L0948 - EPA 5030 (soil)

Blank (B4L0948-BLK1)

Prepared: 12/09/2024 Analyzed: 12/09/2024

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	0.12		"	0.125		98.8	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		100	70-130			
Surrogate: 4-Bromofluorobenzene	0.15		"	0.125		117	70-130			

Origins Laboratory

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.

Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Miller 7-7 Wellhead

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 B4L0948 - EPA 5030 (soil)

LCS (B4L0948-BS1)

Prepared: 12/09/2024 Analyzed: 12/09/2024

1,2,4-Trimethylbenzene	0.109	0.00200	mg/kg	0.100		109	70-130			
1,3,5-Trimethylbenzene	0.111	0.00200	"	0.100		111	70-130			
Benzene	0.101	0.00200	"	0.100		101	70-130			
Ethylbenzene	0.106	0.00200	"	0.100		106	70-130			
Naphthalene	0.117	0.00380	"	0.100		117	70-130			
Toluene	0.0962	0.00200	"	0.100		96.2	70-130			
o-Xylene	0.104	0.00200	"	0.100		104	70-130			
m,p-Xylene	0.207	0.00400	"	0.200		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		94.5	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		93.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		94.7	70-130			

Origins Laboratory



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.

Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Miller 7-7 Wellhead

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 B4L0948 - EPA 5030 (soil)

Matrix Spike (B4L0948-MS1)

Source: E4L0301-01

Prepared: 12/09/2024 Analyzed: 12/09/2024

1,2,4-Trimethylbenzene	0.116	0.00200	mg/kg	0.100	0.0189	97.3	70-130			
1,3,5-Trimethylbenzene	0.0872	0.00200	"	0.100	0.00480	82.4	70-130			
Benzene	0.0973	0.00200	"	0.100	0.00358	93.7	70-130			
Ethylbenzene	0.120	0.00200	"	0.100	0.00844	112	70-130			
Naphthalene	0.115	0.00380	"	0.100	0.0157	99.8	70-130			
Toluene	0.0984	0.00200	"	0.100	0.0123	86.1	70-130			
o-Xylene	0.116	0.00200	"	0.100	0.0126	103	70-130			
m,p-Xylene	0.228	0.00400	"	0.200	0.0232	103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		94.8	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		93.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		106	70-130			

Origins Laboratory


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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Miller 7-7 Wellhead

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 B4L0948 - EPA 5030 (soil)

Matrix Spike Dup (B4L0948-MSD1)

Source: E4L0301-01

Prepared: 12/09/2024 Analyzed: 12/09/2024

1,2,4-Trimethylbenzene	0.131	0.00200	mg/kg	0.100	0.0189	112	70-130	12.2	20	
1,3,5-Trimethylbenzene	0.106	0.00200	"	0.100	0.00480	102	70-130	19.9	20	
Benzene	0.104	0.00200	"	0.100	0.00358	100	70-130	6.56	20	
Ethylbenzene	0.113	0.00200	"	0.100	0.00844	105	70-130	5.81	20	
Naphthalene	0.138	0.00380	"	0.100	0.0157	122	70-130	17.9	20	
Toluene	0.110	0.00200	"	0.100	0.0123	97.7	70-130	11.1	20	
o-Xylene	0.110	0.00200	"	0.100	0.0126	97.3	70-130	5.33	20	
m,p-Xylene	0.218	0.00400	"	0.200	0.0232	97.5	70-130	4.53	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		95.0	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		95.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		92.1	70-130			

Origins Laboratory


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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Miller 7-7 Wellhead

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 B4L0945 - EPA 3050B

Blank (B4L0945-BLK1)

Prepared: 12/09/2024 Analyzed: 12/10/2024

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

LCS (B4L0945-BS1)

Prepared: 12/09/2024 Analyzed: 12/10/2024

Arsenic	5.17	0.290	mg/kg	5.00		103	80-120			
Barium	539	10.0	"	500		108	80-120			
Cadmium	5.44	0.100	"	5.00		109	80-120			
Copper	54.8	10.0	"	50.0		110	80-120			
Lead	5.32	1.00	"	5.00		106	80-120			
Nickel	5.20	1.00	"	5.00		104	80-120			
Selenium	5.85	0.260	"	5.00		117	80-120			
Silver	5.68	0.100	"	5.00		114	80-120			
Zinc	52.6	37.0	"	50.0		105	80-120			

Matrix Spike (B4L0945-MS1)

Source: E4L0302-05

Prepared: 12/09/2024 Analyzed: 12/10/2024

Origins Laboratory

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Jordan A. Bynon, Project Manager

Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Miller 7-7 Wellhead

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 B4L0945 - EPA 3050B

Matrix Spike (B4L0945-MS1)

Source: E4L0302-05

Prepared: 12/09/2024 Analyzed: 12/10/2024

Arsenic	7.76	0.259	mg/kg	4.47	2.61	115	75-125			
Barium	594	8.95	"	447	53.1	121	75-125			
Cadmium	5.54	0.0895	"	4.47	0.191	120	75-125			
Copper	68.9	8.95	"	44.7	6.17	140	75-125			QM-07
Lead	14.6	0.895	"	4.47	9.01	125	75-125			
Nickel	11.3	0.895	"	4.47	5.39	133	75-125			QM-07
Selenium	5.52	0.233	"	4.47	0.203	119	75-125			
Silver	5.62	0.0895	"	4.47	0.0303	125	75-125			
Zinc	80.1	33.1	"	44.7	26.2	120	75-125			

Matrix Spike Dup (B4L0945-MSD1)

Source: E4L0302-05

Prepared: 12/09/2024 Analyzed: 12/10/2024

Arsenic	6.94	0.263	mg/kg	4.53	2.61	95.7	75-125	11.1	20	
Barium	556	9.06	"	453	53.1	111	75-125	6.60	20	
Cadmium	5.04	0.0906	"	4.53	0.191	107	75-125	9.41	20	
Copper	54.3	9.06	"	45.3	6.17	106	75-125	23.7	20	QM-07
Lead	13.7	0.906	"	4.53	9.01	104	75-125	6.38	20	
Nickel	9.80	0.906	"	4.53	5.39	97.4	75-125	14.5	20	
Selenium	4.88	0.236	"	4.53	0.203	103	75-125	12.3	20	
Silver	5.12	0.0906	"	4.53	0.0303	112	75-125	9.38	20	
Zinc	71.5	33.5	"	45.3	26.2	99.9	75-125	11.4	20	

Origins Laboratory



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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Miller 7-7 Wellhead

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 B4L1004 - DTPA Sorbitol Preparation

Blank (B4L1004-BLK1)

Prepared: 12/10/2024 Analyzed: 12/13/2024

Boron ND 0.100 mg/L

Duplicate (B4L1004-DUP1)

Source: E4L0301-01

Prepared: 12/10/2024 Analyzed: 12/13/2024

Boron 0.335 0.101 mg/L 0.190 55.3 50 QR-DUP

Batch B4L1015 - Saturated Paste Metals

Blank (B4L1015-BLK1)

Prepared: 12/10/2024 Analyzed: 12/13/2024

SAR ND 0.0100 SAR

Calcium PPM ND 10.0 mg/L

Magnesium PPM ND 10.0 "

Sodium PPM ND 10.0 "

Duplicate (B4L1015-DUP1)

Source: E4L0302-02

Prepared: 12/10/2024 Analyzed: 12/13/2024

SAR ND 0.0100 SAR ND 200

Calcium PPM 11.5 10.0 mg/L 12.5 8.34 50

Magnesium PPM 4.83 10.0 " 3.38 35.3 50

Sodium PPM 112 10.0 " 130 14.6 50

Batch B4L1016 - Saturated Paste Metals

Blank (B4L1016-BLK1)

Prepared: 12/10/2024 Analyzed: 12/12/2024

Calcium PPM ND 10.0 mg/L

SAR ND 0.0100 SAR

Magnesium PPM ND 10.0 mg/L

Sodium PPM ND 10.0 "

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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Miller 7-7 Wellhead

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 B4L1016 - Saturated Paste Metals

Duplicate (B4L1016-DUP1)

Source: E4L0307-11

Prepared: 12/10/2024 Analyzed: 12/12/2024

Calcium PPM	19.0	10.0	mg/L		12.1			44.4	50	
SAR	ND	0.0100	SAR		2.95				200	
Magnesium PPM	4.63	10.0	mg/L		2.98			43.4	50	
Sodium PPM	70.0	10.0	"		44.1			45.3	50	

Origins Laboratory



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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Miller 7-7 Wellhead

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 B4L1024 - Saturated Paste pH/EC

Prepared: 12/10/2024 Analyzed: 12/12/2024

Blank (B4L1024-BLK1)

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B4L1024-DUP1)

Source: E4L0302-02

Prepared: 12/10/2024 Analyzed: 12/12/2024

Specific Conductance (EC) 0.572 0.00500 mmhos/cm 0.616 7.39 25

pH 8.21 pH Units 8.23 0.243 25

Batch B4L1025 - Saturated Paste pH/EC

Prepared: 12/10/2024 Analyzed: 12/11/2024

Blank (B4L1025-BLK1)

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B4L1025-DUP1)

Source: E4L0307-11

Prepared: 12/10/2024 Analyzed: 12/11/2024

pH 7.52 pH Units 7.39 1.74 25

Specific Conductance (EC) 0.520 0.00500 mmhos/cm 0.327 45.5 25 QR-DUP

Origins Laboratory

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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Miller 7-7 Wellhead

PAH by 8270E SIM - Quality Control
GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2721902 - SW846 3541

BLANK (1205952043-BLK)

Prepared: 12/17/2024 Analyzed: 12/18/2024

Indeno(1,2,3-cd)pyrene	ND	0.00325	mg/kg	-	-	-	-	-	-	U
Benzo(k)fluoranthene	ND	0.00325	"	-	-	-	-	-	-	U
Naphthalene	ND	0.00325	"	-	-	-	-	-	-	U
Fluorene	ND	0.00325	"	-	-	-	-	-	-	U
Fluoranthene	ND	0.00325	"	-	-	-	-	-	-	U
Dibenzo(a,h)anthracene	ND	0.00325	"	-	-	-	-	-	-	U
Chrysene	ND	0.00325	"	-	-	-	-	-	-	U
2-Methylnaphthalene	ND	0.00325	"	-	-	-	-	-	-	U
Benzo(a)pyrene	ND	0.00325	"	-	-	-	-	-	-	U
Benzo(a)anthracene	ND	0.00325	"	-	-	-	-	-	-	U
Anthracene	ND	0.00325	"	-	-	-	-	-	-	U
Acenaphthene	ND	0.00325	"	-	-	-	-	-	-	U
1-Methylnaphthalene	ND	0.00325	"	-	-	-	-	-	-	U
Pyrene	ND	0.00325	"	-	-	-	-	-	-	U
Benzo(b)fluoranthene	ND	0.00325	"	-	-	-	-	-	-	U
Surrogate: 5-alpha-Androstane	0.145		"	0.163		89	22-135			

LCS (1205952044-BKS)

Prepared: 12/17/2024 Analyzed: 12/18/2024

Dibenzo(a,h)anthracene	0.301	0.00332	mg/kg	0.332		90	38-132			
Fluoranthene	0.288	0.00332	"	0.332		87	39-119			
Fluorene	0.259	0.00332	"	0.332		78	37-115			
Indeno(1,2,3-cd)pyrene	0.295	0.00332	"	0.332		89	38-133			
Pyrene	0.284	0.00332	"	0.332		85	38-117			
Benzo(b)fluoranthene	0.295	0.00332	"	0.332		89	39-123			
Naphthalene	0.240	0.00332	"	0.332		72	38-109			
1-Methylnaphthalene	0.246	0.00332	"	0.332		74	39-109			
Benzo(a)pyrene	0.311	0.00332	"	0.332		93	39-127			

Origins Laboratory



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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Miller 7-7 Wellhead

PAH by 8270E SIM - Quality Control
GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2721902 - SW846 3541

LCS (1205952044-BKS)

Prepared: 12/17/2024 Analyzed: 12/18/2024

Benzo(a)anthracene	0.300	0.00332	mg/kg	0.332		90	42-120			
Anthracene	0.282	0.00332	"	0.332		85	41-117			
Acenaphthene	0.254	0.00332	"	0.332		76	41-112			
2-Methylnaphthalene	0.259	0.00332	"	0.332		78	39-110			
Benzo(k)fluoranthene	0.275	0.00332	"	0.332		83	40-122			
Chrysene	0.293	0.00332	"	0.332		88	42-117			
Surrogate: 5-alpha-Androstane	0.164		"	0.166		99	22-135			

LCSD (1205952045-BKSD)

Prepared: 12/17/2024 Analyzed: 12/18/2024

Chrysene	0.279	0.00329	mg/kg	0.329		85	42-117	5	30	
Benzo(k)fluoranthene	0.258	0.00329	"	0.329		79	40-122	6	30	
Fluoranthene	0.274	0.00329	"	0.329		83	39-119	5	30	
Fluorene	0.239	0.00329	"	0.329		73	37-115	8	30	
Indeno(1,2,3-cd)pyrene	0.284	0.00329	"	0.329		86	38-133	4	30	
Pyrene	0.269	0.00329	"	0.329		82	38-117	5	30	
Naphthalene	0.225	0.00329	"	0.329		68	38-109	6	30	
1-Methylnaphthalene	0.233	0.00329	"	0.329		71	39-109	5	30	
Dibenzo(a,h)anthracene	0.285	0.00329	"	0.329		87	38-132	5	30	
2-Methylnaphthalene	0.242	0.00329	"	0.329		74	39-110	7	30	
Acenaphthene	0.235	0.00329	"	0.329		72	41-112	8	30	
Anthracene	0.266	0.00329	"	0.329		81	41-117	6	30	
Benzo(a)anthracene	0.286	0.00329	"	0.329		87	42-120	5	30	
Benzo(a)pyrene	0.290	0.00329	"	0.329		88	39-127	7	30	
Benzo(b)fluoranthene	0.268	0.00329	"	0.329		82	39-123	9	30	
Surrogate: 5-alpha-Androstane	0.158		"	0.164		96	22-135			

MS (1205952046 S)

Source: 699900001

Prepared: 12/17/2024 Analyzed: 12/18/2024

Origins Laboratory



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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Miller 7-7 Wellhead

PAH by 8270E SIM - Quality Control
GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2721902 - SW846 3541

MS (1205952046 S)

Source: 699900001

Prepared: 12/17/2024 Analyzed: 12/18/2024

Benzo(b)fluoranthene	0.244	0.00406	mg/kg dry	0.406	<0.00134	60	14-136			
Dibenzo(a,h)anthracene	0.251	0.00406	"	0.406	<0.00134	62	11-134			
Pyrene	0.233	0.00406	"	0.406	<0.00134	57	12-139			
Naphthalene	0.185	0.00406	"	0.406	<0.00134	46	16-126			
Indeno(1,2,3-cd)pyrene	0.249	0.00406	"	0.406	<0.00134	61	13-134			
Fluorene	0.200	0.00406	"	0.406	<0.00134	49	16-134			
Fluoranthene	0.236	0.00406	"	0.406	<0.00134	58	14-136			
Benzo(a)pyrene	0.253	0.00406	"	0.406	<0.00134	63	16-133			
Benzo(a)anthracene	0.245	0.00406	"	0.406	<0.00134	60	20-132			
Anthracene	0.220	0.00406	"	0.406	<0.00134	54	18-136			
Acenaphthene	0.191	0.00406	"	0.406	<0.00134	47	17-129			
Benzo(k)fluoranthene	0.228	0.00406	"	0.406	<0.00134	56	18-138			
Chrysene	0.240	0.00406	"	0.406	<0.00134	59	19-129			
2-Methylnaphthalene	0.201	0.00406	"	0.406	<0.00134	49	15-132			
1-Methylnaphthalene	0.192	0.00406	"	0.406	<0.00134	47	15-129			
Surrogate: 5-alpha-Androstane	0.124		"	0.203	0.125	61	22-135			

MSD (1205952047 SD)

Source: 699900001

Prepared: 12/17/2024 Analyzed: 12/18/2024

Dibenzo(a,h)anthracene	0.225	0.00397	mg/kg dry	0.397	<0.00131	57	11-134	11	30	
Fluoranthene	0.208	0.00397	"	0.397	<0.00131	52	14-136	13	30	
Fluorene	0.180	0.00397	"	0.397	<0.00131	45	16-134	11	30	
Indeno(1,2,3-cd)pyrene	0.218	0.00397	"	0.397	<0.00131	55	13-134	13	30	
Pyrene	0.204	0.00397	"	0.397	<0.00131	51	12-139	13	30	
Chrysene	0.211	0.00397	"	0.397	<0.00131	53	19-129	13	30	
Naphthalene	0.165	0.00397	"	0.397	<0.00131	41	16-126	11	30	
Benzo(b)fluoranthene	0.214	0.00397	"	0.397	<0.00131	54	14-136	13	30	
Benzo(a)pyrene	0.225	0.00397	"	0.397	<0.00131	57	16-133	12	30	

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Absaroka
 112 High St.
 Buffalo WY 82834

Max Dahlgren
 Project Number: [none]
 Project: KMG - Miller 7-7 Wellhead

PAH by 8270E SIM - Quality Control
GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2721902 - SW846 3541

MSD (1205952047 SD)

Source: 699900001

Prepared: 12/17/2024 Analyzed: 12/18/2024

Benzo(a)anthracene	0.220	0.00397	mg/kg dry	0.397	<0.00131	55	20-132	11	30	
Acenaphthene	0.173	0.00397	"	0.397	<0.00131	44	17-129	10	30	
2-Methylnaphthalene	0.179	0.00397	"	0.397	<0.00131	45	15-132	12	30	
1-Methylnaphthalene	0.172	0.00397	"	0.397	<0.00131	43	15-129	11	30	
Benzo(k)fluoranthene	0.199	0.00397	"	0.397	<0.00131	50	18-138	13	30	
Anthracene	0.192	0.00397	"	0.397	<0.00131	48	18-136	13	30	
Surrogate: 5-alpha-Androstane	0.113		"	0.199	0.125	57	22-135			

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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Miller 7-7 Wellhead

**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
Batch 2730005 - SW846 3060A										
BLANK (1205969006-BLK)										
					Prepared: 01/08/2025 Analyzed: 01/15/2025					
Hexavalent Chromium	ND	0.351	mg/kg							U
LCS (1205969007-BKS)										
					Prepared: 01/08/2025 Analyzed: 01/15/2025					
Hexavalent Chromium	3.26	0.325	mg/kg	3.25		100	80-120			
DUP (1205969008 D)										
					Source: 699866001					
					Prepared: 01/08/2025 Analyzed: 01/15/2025					
Hexavalent Chromium	ND	0.507	mg/kg dry		<0.203		0-50	N/A	50	U
MS (1205969009 S)										
					Source: 699866001					
					Prepared: 01/08/2025 Analyzed: 01/15/2025					
Hexavalent Chromium	3.41	0.507	mg/kg dry	5.07	<0.203	65.2	75-125			
DUP (1205969010 D)										
					Source: 699866002					
					Prepared: 01/08/2025 Analyzed: 01/15/2025					
Hexavalent Chromium	ND	0.483	mg/kg dry		<0.193		0-50	N/A	50	U
MS (1205969011 S)										
					Source: 699866002					
					Prepared: 01/08/2025 Analyzed: 01/15/2025					
Hexavalent Chromium	1.62	0.398	mg/kg dry	3.98	<0.159	39.6	75-125			
ILCS (1205969012-ILCS)										
					Prepared: 01/08/2025 Analyzed: 01/15/2025					
Hexavalent Chromium	7.56	0.348	mg/kg	7.08		107	80-120			

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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Miller 7-7 Wellhead

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
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Batch 2730002 - SW846 3060A

BLANK (1205968999-BLK)

Prepared: 01/08/2025 Analyzed: 01/15/2025

Hexavalent Chromium ND 0.367 mg/kg - U

LCS (1205969000-BKS)

Prepared: 01/08/2025 Analyzed: 01/15/2025

Hexavalent Chromium 3.65 0.364 mg/kg 3.64 100 80-120
DUP (1205969001 D)
Source: 699926047
Prepared: 01/08/2025 Analyzed: 01/15/2025

Hexavalent Chromium ND 0.386 mg/kg dry <0.155 0-50 N/A 50 U
MS (1205969002 S)
Source: 699926047
Prepared: 01/08/2025 Analyzed: 01/15/2025

Hexavalent Chromium 1.74 0.427 mg/kg dry 4.27 <0.171 40.7 75-125
DUP (1205969003 D)
Source: 699926048
Prepared: 01/08/2025 Analyzed: 01/15/2025

Hexavalent Chromium ND 0.401 mg/kg dry <0.160 0-50 N/A 50 U
MS (1205969004 S)
Source: 699926048
Prepared: 01/08/2025 Analyzed: 01/15/2025

Hexavalent Chromium 2.67 0.379 mg/kg dry 3.79 <0.151 69.5 75-125
ILCS (1205969005-ILCS)
Prepared: 01/08/2025 Analyzed: 01/15/2025

Hexavalent Chromium 8.26 0.370 mg/kg 7.51 110 80-120

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Absaroka

112 High St.

Buffalo

WY

82834

Max Dahlgren

Project Number: [none]

Project: KMG - Miller 7-7 Wellhead

Notes and Definitions

Ua Sample is Non-Detect.

U Result not detected above the detection limit

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

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

J Greater than the detection limit but less than the reporting limit

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

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