



Absaroka

January 24, 2025

Max Dahlgren

112 High St.

Buffalo

WY

82834

Project Name - KMG - Baldwin 12-11 Wellhead

Project Number - [none]

Attached are your analytical results for KMG - Baldwin 12-11 Wellhead received by Origins Laboratory December 19, 2024. This project is associated with Origins project number E4L0699-01.

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 - Baldwin 12-11 Wellhead

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-B01@7'	E4L0699-01	Soil	December 19, 2024 10:50	12/19/2024 13:27
FL-B01@4'	E4L0699-02	Soil	December 19, 2024 10:55	12/19/2024 13:27
BG01@3"	E4L0699-03	Soil	December 19, 2024 10:30	12/19/2024 13:27
BG01@3'	E4L0699-04	Soil	December 19, 2024 10:32	12/19/2024 13:27
BG01@6'	E4L0699-05	Soil	December 19, 2024 10:34	12/19/2024 13:27
BG02@3"	E4L0699-06	Soil	December 19, 2024 10:36	12/19/2024 13:27
BG02@3'	E4L0699-07	Soil	December 19, 2024 10:40	12/19/2024 13:27
BG02@6'	E4L0699-08	Soil	December 19, 2024 10:42	12/19/2024 13:27
BG03@3"	E4L0699-09	Soil	December 19, 2024 10:44	12/19/2024 13:27
BG03@3'	E4L0699-10	Soil	December 19, 2024 10:46	12/19/2024 13:27
BG03@6'	E4L0699-11	Soil	December 19, 2024 10:48	12/19/2024 13:27

Origins Laboratory



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Absaroka
 112 High St.
 Buffalo WY 82834

Max Dahlgren
 Project Number: [none]
 Project: KMG - Baldwin 12-11 Wellhead

ORIGINS
LABORATORY

EV10699

Page 1 of 2


Client: OXY / Absaroka
 Address: _____
 Project Manager: Max Dahlgren
 Project Name: Baldwin 12-11 Wellhead
 Project Number: _____
 Telephone Number: 970-481-6909
 Email Address: oxy.ca.ren@absarokasolutions.com
 Collected By: MA/SE
 Invoice/Billing Info: On File - Oxy
 GW=Groundwater
 SW=Surface Water
 WW=Waste Water

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

Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix Preservative	Analysis			Comments
					Full 915	Boron	PH, SAR, EC	
W1-B01@7'	12/19/14	1053	3	UNP	X			
PL-B01@4'						X	X	
B01@3"		1030	2			X	X	
B01@3"		1032	2					
B01@6'		1039	2					
B01@3"		1036	2					
B01@3"		1055	2					
B01@6'		1044	2					
B01@3"		1044	2					
B01@3"		1044	2					
B01@3"		1046	2					

Temp Received- 9.1 Received On Ice? Yes No

1725 Elk Place Denver, CO 80211 | # 303.433.1322 | info@originslab.com

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Absaroka
112 High St.
Buffalo

WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Baldwin 12-11 Wellhead

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: E4LO6AA Client: Absaroka
 Checklist Completed by: JHD/sem Client Project ID: Baldwin
 Date/time completed: 12/19/12 Shipped Via: HO
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Airbill #: N/A
 Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____
 Cooler Number/Temperature: 19.1 °C / _____ °C / _____ °C (Describe)
 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⁾ ?				SD
Is there ice present (document if blue ice is used)	/	/		
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		/		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		/		
Were all samples received intact ⁽¹⁾ ?	/			
Was adequate sample volume provided ⁽¹⁾ ?	/			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		/		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	/			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	/			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	/			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	/			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			/	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO3, HCl, H2SO4) / (pH >10 for samples preserved with NaAsO2+NaOH, ZnAc+NaOH)			/	
Additional Comments (if any):				

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

Reviewed by (Project Manager) JHD Date/Time Reviewed 12/19/12

Origins Laboratory

J. Bynon

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Absaroka
 112 High St.
 Buffalo WY 82834

Max Dahlgren
 Project Number: [none]
 Project: KMG - Baldwin 12-11 Wellhead

WH-B01@7'

12/19/2024 10:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E4L0699-01 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.0999	mg/L	1	B4L2010	12/20/2024	12/23/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4L1932	12/19/2024	12/19/2024	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	71.4 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4L1933	12/19/2024	12/19/2024	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	110 %		70-130			"	"	"	
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Origins Laboratory



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 Buffalo WY 82834

Max Dahlgren
 Project Number: [none]
 Project: KMG - Baldwin 12-11 Wellhead

WH-B01@7'

12/19/2024 10:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E4L0699-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	98.6 %		70-130			B4L19 33	12/19/2024	12/19/2024	
Surrogate: 4-Bromofluorobenzene	98.8 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.15		0.499	meq/L	10	[CALC]	12/20/2024	12/26/2024	
Magnesium	2.49		0.823	"	"	"	"	"	
Sodium	3.44		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	0.010		0.002	mg/kg	1	B4L1928	12/19/2024	12/21/2024	
2-Methylnaphthalene	0.010		0.002	"	"	"	"	"	
Acenaphthene	ND		0.020	"	"	"	"	"	U
Anthracene	ND		0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	U
Chrysene	ND		0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	U
Fluoranthene	ND		0.020	"	"	"	"	"	U

Origins Laboratory



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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Baldwin 12-11 Wellhead

WH-B01@7'

12/19/2024 10:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
E4L0699-01 (Soil)**

PAH by EPA 8270E extracted via 3580A

Fluorene	ND		0.020	mg/kg	1	B4L1928	12/19/2024	12/21/2024	U
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	U
Naphthalene	0.005		0.002	"	"	"	"	"	
Pyrene	ND		0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	103 %		60-130			"	"	"	
Surrogate: Anthracene-d10	95.1 %		60-130			"	"	"	
Surrogate: Pyrene-d10	102 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	101 %		60-130			"	"	"	

pH in Soil by 9045D

pH	8.49			pH Units	1	B4L2019	12/20/2024	12/24/2024	
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SAR by 20B Saturated Paste

SAR	2.55		0.0100	SAR	1	B4L2005	12/20/2024	12/26/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.01		0.00500	mmhos/cm	1	B4L2019	12/20/2024	12/24/2024	
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Table 915 metals by EPA 6020B

Origins Laboratory



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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Baldwin 12-11 Wellhead

WH-B01@7'

12/19/2024 10:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E4L0699-01 (Soil)

Table 915 metals by EPA 6020B

Arsenic	4.06		0.273	mg/kg	10	B4L1931	12/19/2024	12/20/2024	
Barium	71.1		9.42	"	"	"	"	"	
Cadmium	0.104		0.0942	"	"	"	"	"	
Copper	12.3		9.42	"	"	"	"	"	
Lead	9.05		0.942	"	"	"	"	"	
Nickel	9.39		0.942	"	"	"	"	"	
Selenium	ND		0.245	"	"	"	"	12/20/2024	
Silver	ND		0.0942	"	"	"	"	12/20/2024	
Zinc	ND		34.9	"	"	"	"	"	

Total Metals by SW7196

Chromium, Hexavalent	ND	0.20	0.20	mg/kg	1	BIA0235	01/08/2025	01/08/2025	
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Origins Laboratory



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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Baldwin 12-11 Wellhead

FL-B01@4'

12/19/2024 10:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E4L0699-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.190		0.0990	mg/L	1	B4L2010	12/20/2024	12/23/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4L1932	12/19/2024	12/19/2024	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	91.1 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4L1933	12/19/2024	12/19/2024	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	111 %		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 - Baldwin 12-11 Wellhead

FL-B01@4'

12/19/2024 10:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
 E4L0699-02 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	97.9 %		70-130			B4L19 33	12/19/2024	12/19/2024	
Surrogate: 4-Bromofluorobenzene	96.7 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.45		0.499	meq/L	10	[CALC]	12/20/2024	12/26/2024	
Magnesium	1.71		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND		0.002	mg/kg	1	B4L1928	12/19/2024	12/21/2024	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.020	"	"	"	"	"	U
Anthracene	ND		0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	U
Chrysene	ND		0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	U
Fluoranthene	ND		0.020	"	"	"	"	"	U

Origins Laboratory



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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Baldwin 12-11 Wellhead

FL-B01@4'

12/19/2024 10:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E4L0699-02 (Soil)

PAH by EPA 8270E extracted via 3580A

Fluorene	ND		0.020	mg/kg	1	B4L1928	12/19/2024	12/21/2024	U
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	U
Naphthalene	ND		0.002	"	"	"	"	"	U
Pyrene	ND		0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	102 %		60-130			"	"	"	
Surrogate: Anthracene-d10	94.0 %		60-130			"	"	"	
Surrogate: Pyrene-d10	102 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	100 %		60-130			"	"	"	

pH in Soil by 9045D

pH	8.28			pH Units	1	B4L2019	12/20/2024	12/24/2024	
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SAR by 20B Saturated Paste

SAR	0.227		0.0100	SAR	1	B4L2005	12/20/2024	12/26/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.392		0.00500	mmhos/cm	1	B4L2019	12/20/2024	12/24/2024	
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Table 915 metals by EPA 6020B

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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Baldwin 12-11 Wellhead

FL-B01@4'

12/19/2024 10:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E4L0699-02 (Soil)

Table 915 metals by EPA 6020B

Arsenic	2.43		0.277	mg/kg	10	B4L1931	12/19/2024	12/20/2024	
Barium	45.2		9.55	"	"	"	"	"	
Cadmium	ND		0.0955	"	"	"	"	"	
Copper	ND		9.55	"	"	"	"	"	
Lead	4.58		0.955	"	"	"	"	"	
Nickel	3.88		0.955	"	"	"	"	"	
Selenium	ND		0.248	"	"	"	"	12/20/2024	
Silver	ND		0.0955	"	"	"	"	12/20/2024	
Zinc	ND		35.3	"	"	"	"	"	

Total Metals by SW7196

Chromium, Hexavalent	0.28	0.20	0.20	mg/kg	1	BIA0235	01/08/2025	01/08/2025	
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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Baldwin 12-11 Wellhead

BG01@3"

12/19/2024 10:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
E4L0699-03 (Soil)**

Boron (DTPA Sorbitol)

Boron	ND		0.0991	mg/L	1	B4L2010	12/20/2024	12/23/2024	
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Metals by Saturated Paste by EPA 6010

Calcium	0.638		0.499	meq/L	10	[CALC]	12/20/2024	12/26/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	6.29			pH Units	1	B4L2019	12/20/2024	12/24/2024	
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SAR by 20B Saturated Paste

SAR	ND		0.0100	SAR	1	B4L2005	12/20/2024	12/26/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.258		0.00500	mmhos/cm	1	B4L2019	12/20/2024	12/24/2024	
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Table 915 metals by EPA 6020B

Arsenic	1.77		0.284	mg/kg	10	B4L1931	12/19/2024	12/20/2024	
Barium	39.4		9.80	"	"	"	"	"	
Cadmium	0.119		0.0980	"	"	"	"	"	

Origins Laboratory



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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Baldwin 12-11 Wellhead

BG01@3"

12/19/2024 10:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E4L0699-03 (Soil)

Table 915 metals by EPA 6020B

Copper	ND		9.80	mg/kg	10	B4L1931	12/19/2024	12/20/2024	
Lead	6.62		0.980	"	"	"	"	"	
Nickel	4.85		0.980	"	"	"	"	"	
Selenium	ND		0.255	"	"	"	"	12/20/2024	
Silver	ND		0.0980	"	"	"	"	12/20/2024	
Zinc	ND		36.3	"	"	"	"	"	

Total Metals by SW7196

Chromium, Hexavalent	ND	0.19	0.19	mg/kg	1	BIA0235	01/08/2025	01/08/2025	
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Origins Laboratory



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Absaroka
 112 High St.
 Buffalo WY 82834

Max Dahlgren
 Project Number: [none]
 Project: KMG - Baldwin 12-11 Wellhead

BG01@3'

12/19/2024 10:32:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E4L0699-04 (Soil)

Boron (DTPA Sorbitol)

Boron	0.858		0.0988	mg/L	1	B4L2010	12/20/2024	12/23/2024	
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Metals by Saturated Paste by EPA 6010

Calcium	1.30		0.499	meq/L	10	[CALC]	12/20/2024	12/26/2024	
Magnesium	1.63		0.823	"	"	"	"	"	
Sodium	7.47		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.41			pH Units	1	B4L2019	12/20/2024	12/24/2024	
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SAR by 20B Saturated Paste

SAR	6.18		0.0100	SAR	1	B4L2005	12/20/2024	12/26/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.14		0.00500	mmhos/cm	1	B4L2019	12/20/2024	12/24/2024	
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Table 915 metals by EPA 6020B

Arsenic	3.49		0.277	mg/kg	10	B4L1931	12/19/2024	12/20/2024	
Barium	123		9.53	"	"	"	"	"	
Cadmium	0.0963		0.0953	"	"	"	"	"	
Copper	ND		9.53	"	"	"	"	"	

Origins Laboratory



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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Baldwin 12-11 Wellhead

BG01@3'

12/19/2024 10:32:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
E4L0699-04 (Soil)**

Table 915 metals by EPA 6020B

Lead	7.42		0.953	mg/kg	10	B4L1931	12/19/2024	12/20/2024	
Nickel	7.86		0.953	"	"	"	"	"	
Selenium	ND		0.248	"	"	"	"	12/20/2024	
Silver	ND		0.0953	"	"	"	"	12/20/2024	
Zinc	35.9		35.3	"	"	"	"	"	

Total Metals by SW7196

Chromium, Hexavalent	0.48	0.20	0.20	mg/kg	1	BIA0235	01/08/2025	01/08/2025	
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Origins Laboratory



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Absaroka
 112 High St.
 Buffalo WY 82834

Max Dahlgren
 Project Number: [none]
 Project: KMG - Baldwin 12-11 Wellhead

BG01@6'

12/19/2024 10:34:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E4L0699-05 (Soil)

Boron (DTPA Sorbitol)

Boron	1.06		0.0997	mg/L	1	B4L2010	12/20/2024	12/23/2024	
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Metals by Saturated Paste by EPA 6010

Calcium	4.79		0.499	meq/L	10	[CALC]	12/20/2024	12/26/2024	
Magnesium	7.55		0.823	"	"	"	"	"	
Sodium	22.0		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.13			pH Units	1	B4L2019	12/20/2024	12/24/2024	
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SAR by 20B Saturated Paste

SAR	8.87		0.0100	SAR	1	B4L2005	12/20/2024	12/26/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	3.16		0.00500	mmhos/cm	1	B4L2019	12/20/2024	12/24/2024	
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Table 915 metals by EPA 6020B

Arsenic	3.29		0.273	mg/kg	10	B4L1931	12/19/2024	12/20/2024	
Barium	47.2		9.41	"	"	"	"	"	
Cadmium	ND		0.0941	"	"	"	"	"	
Copper	ND		9.41	"	"	"	"	"	

Origins Laboratory



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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Baldwin 12-11 Wellhead

BG01@6'

12/19/2024 10:34:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
E4L0699-05 (Soil)**

Table 915 metals by EPA 6020B

Lead	5.77		0.941	mg/kg	10	B4L1931	12/19/2024	12/20/2024	
Nickel	4.91		0.941	"	"	"	"	"	
Selenium	ND		0.245	"	"	"	"	12/20/2024	
Silver	ND		0.0941	"	"	"	"	12/20/2024	
Zinc	ND		34.8	"	"	"	"	"	

Total Metals by SW7196

Chromium, Hexavalent	0.72	0.20	0.20	mg/kg	1	BIA0235	01/08/2025	01/08/2025	
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Origins Laboratory



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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Baldwin 12-11 Wellhead

BG02@3"

12/19/2024 10:36:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
E4L0699-06 (Soil)**

Boron (DTPA Sorbitol)

Boron	0.286		0.101	mg/L	1	B4L2010	12/20/2024	12/23/2024	
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Metals by Saturated Paste by EPA 6010

Calcium	5.30		0.499	meq/L	10	[CALC]	12/20/2024	12/26/2024	
Magnesium	2.42		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	6.80			pH Units	1	B4L2019	12/20/2024	12/24/2024	
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SAR by 20B Saturated Paste

SAR	0.0540		0.0100	SAR	1	B4L2005	12/20/2024	12/26/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.21		0.00500	mmhos/cm	1	B4L2019	12/20/2024	12/24/2024	
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Table 915 metals by EPA 6020B

Arsenic	2.66		0.268	mg/kg	10	B4L1931	12/19/2024	12/20/2024	
Barium	59.5		9.24	"	"	"	"	"	
Cadmium	0.162		0.0924	"	"	"	"	"	
Copper	14.1		9.24	"	"	"	"	"	

Origins Laboratory



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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Baldwin 12-11 Wellhead

BG02@3"

12/19/2024 10:36:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E4L0699-06 (Soil)

Table 915 metals by EPA 6020B

Lead	10.5		0.924	mg/kg	10	B4L1931	12/19/2024	12/20/2024	
Nickel	4.69		0.924	"	"	"	"	"	
Selenium	ND		0.240	"	"	"	"	12/20/2024	
Silver	ND		0.0924	"	"	"	"	12/20/2024	
Zinc	ND		34.2	"	"	"	"	"	

Total Metals by SW7196

Chromium, Hexavalent	ND	0.20	0.20	mg/kg	1	BIA0235	01/08/2025	01/08/2025	
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Origins Laboratory



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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Baldwin 12-11 Wellhead

BG02@3'

12/19/2024 10:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
E4L0699-07 (Soil)**

Boron (DTPA Sorbitol)

Boron	0.182		0.100	mg/L	1	B4L2011	12/20/2024	12/23/2024	
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Metals by Saturated Paste by EPA 6010

Calcium	4.01		0.499	meq/L	10	[CALC]	12/20/2024	12/26/2024	
Magnesium	2.32		0.823	"	"	"	"	"	
Sodium	3.49		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.94			pH Units	1	B4L2020	12/20/2024	12/24/2024	
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SAR by 20B Saturated Paste

SAR	1.96		0.0100	SAR	1	B4L2006	12/20/2024	12/26/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.19		0.00500	mmhos/cm	1	B4L2020	12/20/2024	12/24/2024	
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Table 915 metals by EPA 6020B

Arsenic	3.25		0.283	mg/kg	10	B4L1934	12/19/2024	12/20/2024	
Barium	61.2		9.77	"	"	"	"	"	
Cadmium	ND		0.0977	"	"	"	"	"	
Copper	ND		9.77	"	"	"	"	"	

Origins Laboratory



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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Baldwin 12-11 Wellhead

BG02@3'

12/19/2024 10:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E4L0699-07 (Soil)

Table 915 metals by EPA 6020B

Lead	5.90		0.977	mg/kg	10	B4L1934	12/19/2024	12/20/2024	
Nickel	5.63		0.977	"	"	"	"	"	
Selenium	ND		0.254	"	"	"	"	"	
Silver	ND		0.0977	"	"	"	"	"	
Zinc	ND		36.2	"	"	"	"	"	

Total Metals by SW7196

Chromium, Hexavalent	0.28	0.20	0.20	mg/kg	1	BIA0235	01/08/2025	01/08/2025	
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Origins Laboratory



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Absaroka
 112 High St.
 Buffalo WY 82834

Max Dahlgren
 Project Number: [none]
 Project: KMG - Baldwin 12-11 Wellhead

BG02@6'

12/19/2024 10:42:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E4L0699-08 (Soil)

Boron (DTPA Sorbitol)

Boron	0.947	0.101	mg/L	1	B4L2011	12/20/2024	12/23/2024
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Metals by Saturated Paste by EPA 6010

Calcium	21.2	0.499	meq/L	10	[CALC]	12/20/2024	12/26/2024
Magnesium	16.5	0.823	"	"	"	"	"
Sodium	16.6	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	7.82		pH Units	1	B4L2020	12/20/2024	12/24/2024
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SAR by 20B Saturated Paste

SAR	3.83	0.0100	SAR	1	B4L2006	12/20/2024	12/26/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	4.22	0.00500	mmhos/cm	1	B4L2020	12/20/2024	12/24/2024
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Table 915 metals by EPA 6020B

Arsenic	3.53	0.271	mg/kg	10	B4L1934	12/19/2024	12/20/2024
Barium	67.5	9.35	"	"	"	"	"
Cadmium	0.0935	0.0935	"	"	"	"	"
Copper	ND	9.35	"	"	"	"	"

Origins Laboratory



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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Baldwin 12-11 Wellhead

BG02@6'

12/19/2024 10:42:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E4L0699-08 (Soil)

Table 915 metals by EPA 6020B

Lead	7.42		0.935	mg/kg	10	B4L1934	12/19/2024	12/20/2024	
Nickel	7.20		0.935	"	"	"	"	"	
Selenium	ND		0.243	"	"	"	"	"	
Silver	ND		0.0935	"	"	"	"	"	
Zinc	ND		34.6	"	"	"	"	"	

Total Metals by SW7199

Chromium, Hexavalent	ND	0.19	0.19	mg/kg	1	BIA0216	01/08/2025	01/08/2025	
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Origins Laboratory



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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Baldwin 12-11 Wellhead

BG03@3"

12/19/2024 10:44:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
E4L0699-09 (Soil)**

Boron (DTPA Sorbitol)

Boron	0.151		0.101	mg/L	1	B4L2011	12/20/2024	12/23/2024	
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Metals by Saturated Paste by EPA 6010

Calcium	1.16		0.499	meq/L	10	[CALC]	12/20/2024	12/26/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	6.56			pH Units	1	B4L2020	12/20/2024	12/24/2024	
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SAR by 20B Saturated Paste

SAR	0.0930		0.0100	SAR	1	B4L2006	12/20/2024	12/26/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.454		0.00500	mmhos/cm	1	B4L2020	12/20/2024	12/24/2024	
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Table 915 metals by EPA 6020B

Arsenic	2.38		0.282	mg/kg	10	B4L1934	12/19/2024	12/20/2024	
Barium	56.0		9.71	"	"	"	"	"	
Cadmium	0.172		0.0971	"	"	"	"	"	
Copper	ND		9.71	"	"	"	"	"	

Origins Laboratory



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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Baldwin 12-11 Wellhead

BG03@3"

12/19/2024 10:44:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E4L0699-09 (Soil)

Table 915 metals by EPA 6020B

Lead	8.63		0.971	mg/kg	10	B4L1934	12/19/2024	12/20/2024	
Nickel	5.70		0.971	"	"	"	"	"	
Selenium	ND		0.252	"	"	"	"	"	
Silver	ND		0.0971	"	"	"	"	"	
Zinc	ND		35.9	"	"	"	"	"	

Total Metals by SW7196

Chromium, Hexavalent	ND	0.20	0.20	mg/kg	1	BIA0235	01/08/2025	01/08/2025	
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Origins Laboratory



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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Baldwin 12-11 Wellhead

BG03@3'

12/19/2024 10:46:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
E4L0699-10 (Soil)**

Boron (DTPA Sorbitol)

Boron	4.01		0.0987	mg/L	1	B4L2011	12/20/2024	12/23/2024	
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Metals by Saturated Paste by EPA 6010

Calcium	6.51		0.499	meq/L	10	[CALC]	12/20/2024	12/26/2024	
Magnesium	14.0		0.823	"	"	"	"	"	
Sodium	45.1		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.20			pH Units	1	B4L2020	12/20/2024	12/24/2024	
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SAR by 20B Saturated Paste

SAR	14.1		0.0100	SAR	1	B4L2006	12/20/2024	12/26/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	5.92		0.00500	mmhos/cm	1	B4L2020	12/20/2024	12/24/2024	
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Table 915 metals by EPA 6020B

Arsenic	5.64		0.262	mg/kg	10	B4L1934	12/19/2024	12/20/2024	
Barium	210		9.05	"	"	"	"	"	
Cadmium	0.165		0.0905	"	"	"	"	"	
Copper	13.9		9.05	"	"	"	"	"	

Origins Laboratory



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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Baldwin 12-11 Wellhead

BG03@3'

12/19/2024 10:46:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E4L0699-10 (Soil)

Table 915 metals by EPA 6020B

Lead	11.2		0.905	mg/kg	10	B4L1934	12/19/2024	12/20/2024	
Nickel	14.2		0.905	"	"	"	"	"	
Selenium	0.300		0.235	"	"	"	"	"	
Silver	ND		0.0905	"	"	"	"	"	
Zinc	57.9		33.5	"	"	"	"	"	

Total Metals by SW7196

Chromium, Hexavalent	ND	0.20	0.20	mg/kg	1	BIA0236	01/08/2025	01/08/2025	
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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 - Baldwin 12-11 Wellhead

BG03@6'

12/19/2024 10:48:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E4L0699-11 (Soil)

Boron (DTPA Sorbitol)

Boron	4.29		0.100	mg/L	1	B4L2011	12/20/2024	12/23/2024	
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Metals by Saturated Paste by EPA 6010

Calcium	20.4		0.499	meq/L	10	[CALC]	12/20/2024	12/26/2024	
Magnesium	32.3		0.823	"	"	"	"	"	
Sodium	98.6		4.35	"	100	"	"	"	

pH in Soil by 9045D

pH	8.01			pH Units	1	B4L2020	12/20/2024	12/24/2024	
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SAR by 20B Saturated Paste

SAR	19.2		0.0100	SAR	1	B4L2006	12/20/2024	12/26/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	11.4		0.00500	mmhos/cm	1	B4L2020	12/20/2024	12/24/2024	
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Table 915 metals by EPA 6020B

Arsenic	5.25		0.271	mg/kg	10	B4L1934	12/19/2024	12/20/2024	
Barium	130		9.34	"	"	"	"	"	
Cadmium	0.100		0.0934	"	"	"	"	"	
Copper	13.6		9.34	"	"	"	"	"	

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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Baldwin 12-11 Wellhead

BG03@6'

12/19/2024 10:48:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E4L0699-11 (Soil)

Table 915 metals by EPA 6020B

Lead	11.1		0.934	mg/kg	10	B4L1934	12/19/2024	12/20/2024	
Nickel	12.3		0.934	"	"	"	"	"	
Selenium	ND		0.243	"	"	"	"	"	
Silver	ND		0.0934	"	"	"	"	"	
Zinc	54.1		34.6	"	"	"	"	"	

Total Metals by SW7196

Chromium, Hexavalent	0.57	0.20	0.20	mg/kg	1	BIA0236	01/08/2025	01/08/2025	
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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Baldwin 12-11 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 B4L1932 - EPA 3550B										
Blank (B4L1932-BLK1)										
					Prepared: 12/19/2024 Analyzed: 12/19/2024					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	21		"	24.9		82.5	50-150			

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Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Baldwin 12-11 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 B4L1932 - EPA 3550B										
LCS (B4L1932-BS1)										
					Prepared: 12/19/2024 Analyzed: 12/19/2024					
Diesel (C10-C28)	950	50.0	mg/kg	1000		95.0	70-130			
Residual Range Organics (C28-C40)	993	200	"	1000		99.3	70-130			
Surrogate: o-Terphenyl	55		"	49.8		111	50-150			

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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Baldwin 12-11 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 B4L1932 - EPA 3550B

Matrix Spike (B4L1932-MS1)	Source: E4L0699-01				Prepared: 12/19/2024 Analyzed: 12/19/2024					
Diesel (C10-C28)	908	50.0	mg/kg	1000	ND	90.8	70-130			
Residual Range Organics (C28-C40)	945	200	"	1000	ND	94.5	70-130			
Surrogate: o-Terphenyl	46		"	49.8		93.2	50-150			

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Project Number: [none]
Project: KMG - Baldwin 12-11 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 B4L1932 - EPA 3550B

Matrix Spike Dup (B4L1932-MSD1)	Source: E4L0699-01		Prepared: 12/19/2024 Analyzed: 12/19/2024							
Diesel (C10-C28)	892	50.0	mg/kg	1000	ND	89.2	70-130	1.82	35	
Residual Range Organics (C28-C40)	928	200	"	1000	ND	92.8	70-130	1.73	35	
Surrogate: o-Terphenyl	46		"	49.8		92.7	50-150			

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Max Dahlgren
 Project Number: [none]
 Project: KMG - Baldwin 12-11 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 B4L1933 - EPA 5030 (soil)

Blank (B4L1933-BLK1)

Prepared: 12/19/2024 Analyzed: 12/19/2024

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125	105		70-130			
Surrogate: Toluene-d8	0.12		"	0.125	99.4		70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125	98.1		70-130			

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Jordan A. Bynon, Project Manager

Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Baldwin 12-11 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 B4L1933 - EPA 5030 (soil)

LCS (B4L1933-BS1)

Prepared: 12/19/2024 Analyzed: 12/19/2024

1,2,4-Trimethylbenzene	0.115	0.00200	mg/kg	0.100		115	70-130			
1,3,5-Trimethylbenzene	0.117	0.00200	"	0.100		117	70-130			
Benzene	0.110	0.00200	"	0.100		110	70-130			
Ethylbenzene	0.109	0.00200	"	0.100		109	70-130			
Naphthalene	0.108	0.00380	"	0.100		108	70-130			
Toluene	0.108	0.00200	"	0.100		108	70-130			
o-Xylene	0.116	0.00200	"	0.100		116	70-130			
m,p-Xylene	0.216	0.00400	"	0.200		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		105	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		97.4	70-130			

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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Baldwin 12-11 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 B4L1933 - EPA 5030 (soil)

Matrix Spike (B4L1933-MS1)	Source: E4L0699-01			Prepared: 12/19/2024 Analyzed: 12/19/2024						
1,2,4-Trimethylbenzene	0.103	0.00200	mg/kg	0.100	ND	103	70-130			
1,3,5-Trimethylbenzene	0.105	0.00200	"	0.100	ND	105	70-130			
Benzene	0.0977	0.00200	"	0.100	ND	97.7	70-130			
Ethylbenzene	0.0971	0.00200	"	0.100	ND	97.1	70-130			
Naphthalene	0.103	0.00380	"	0.100	ND	103	70-130			
Toluene	0.0960	0.00200	"	0.100	ND	96.0	70-130			
o-Xylene	0.106	0.00200	"	0.100	ND	106	70-130			
m,p-Xylene	0.195	0.00400	"	0.200	ND	97.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		110	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		100	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.0	70-130			

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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Baldwin 12-11 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 B4L1933 - EPA 5030 (soil)

Matrix Spike Dup (B4L1933-MSD1)	Source: E4L0699-01			Prepared: 12/19/2024 Analyzed: 12/19/2024						
1,2,4-Trimethylbenzene	0.103	0.00200	mg/kg	0.100	ND	103	70-130	0.816	20	
1,3,5-Trimethylbenzene	0.103	0.00200	"	0.100	ND	103	70-130	1.27	20	
Benzene	0.0964	0.00200	"	0.100	ND	96.4	70-130	1.38	20	
Ethylbenzene	0.0974	0.00200	"	0.100	ND	97.4	70-130	0.267	20	
Naphthalene	0.106	0.00380	"	0.100	ND	106	70-130	2.36	20	
Toluene	0.0944	0.00200	"	0.100	ND	94.4	70-130	1.64	20	
o-Xylene	0.106	0.00200	"	0.100	ND	106	70-130	0.114	20	
m,p-Xylene	0.193	0.00400	"	0.200	ND	96.7	70-130	0.619	20	
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		111	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		100	70-130			

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Absaroka
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 Buffalo WY 82834

Max Dahlgren
 Project Number: [none]
 Project: KMG - Baldwin 12-11 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 B4L1931 - EPA 3050B

Blank (B4L1931-BLK1)

Prepared: 12/19/2024 Analyzed: 12/20/2024

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 (B4L1931-BS1)

Prepared: 12/19/2024 Analyzed: 12/20/2024

Arsenic	4.68	0.290	mg/kg	5.00	93.7	80-120
Barium	447	10.0	"	500	89.5	80-120
Cadmium	4.72	0.100	"	5.00	94.5	80-120
Copper	48.9	10.0	"	50.0	97.8	80-120
Lead	4.38	1.00	"	5.00	87.7	80-120
Nickel	4.87	1.00	"	5.00	97.4	80-120
Selenium	5.08	0.260	"	5.00	102	80-120
Silver	4.92	0.100	"	5.00	98.4	80-120
Zinc	46.3	37.0	"	50.0	92.5	80-120

Matrix Spike (B4L1931-MS1)

Source: E4L0699-02

Prepared: 12/19/2024 Analyzed: 12/21/2024

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Absaroka
 112 High St.
 Buffalo WY 82834

Max Dahlgren
 Project Number: [none]
 Project: KMG - Baldwin 12-11 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 B4L1931 - EPA 3050B

Matrix Spike (B4L1931-MS1)	Source: E4L0699-02				Prepared: 12/19/2024 Analyzed: 12/21/2024					
Arsenic	7.47	0.269	mg/kg	4.65	2.43	109	75-125			
Barium	529	9.29	"	465	45.2	104	75-125			
Cadmium	4.90	0.0929	"	4.65	0.0401	105	75-125			
Copper	54.4	9.29	"	46.5	3.67	109	75-125			
Lead	9.90	0.929	"	4.65	4.58	114	75-125			
Nickel	9.45	0.929	"	4.65	3.88	120	75-125			
Selenium	5.13	0.242	"	4.65	0.0659	109	75-125			
Silver	5.19	0.0929	"	4.65	ND	112	75-125			
Zinc	69.5	34.4	"	46.5	16.1	115	75-125			

Matrix Spike Dup (B4L1931-MSD1)	Source: E4L0699-02				Prepared: 12/19/2024 Analyzed: 12/21/2024					
Arsenic	7.80	0.285	mg/kg	4.91	2.43	109	75-125	4.22	20	
Barium	555	9.82	"	491	45.2	104	75-125	4.80	20	
Cadmium	5.04	0.0982	"	4.91	0.0401	102	75-125	2.83	20	
Copper	57.6	9.82	"	49.1	3.67	110	75-125	5.72	20	
Lead	10.3	0.982	"	4.91	4.58	117	75-125	4.32	20	
Nickel	9.71	0.982	"	4.91	3.88	119	75-125	2.74	20	
Selenium	4.58	0.255	"	4.91	0.0659	92.0	75-125	11.2	20	
Silver	5.34	0.0982	"	4.91	ND	109	75-125	2.69	20	
Zinc	71.6	36.3	"	49.1	16.1	113	75-125	3.03	20	

Batch B4L1934 - EPA 3050B

Blank (B4L1934-BLK1)	Prepared: 12/19/2024 Analyzed: 12/20/2024									
Arsenic	ND	0.290	mg/kg							
Barium	ND	10.0	"							
Cadmium	ND	0.100	"							

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Absaroka
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Max Dahlgren
 Project Number: [none]
 Project: KMG - Baldwin 12-11 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 B4L1934 - EPA 3050B

Blank (B4L1934-BLK1)

Prepared: 12/19/2024 Analyzed: 12/20/2024

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

LCS (B4L1934-BS1)

Prepared: 12/19/2024 Analyzed: 12/20/2024

Arsenic	5.46	0.290	mg/kg	5.00		109	80-120
Barium	544	10.0	"	500		109	80-120
Cadmium	5.69	0.100	"	5.00		114	80-120
Copper	58.9	10.0	"	50.0		118	80-120
Lead	5.38	1.00	"	5.00		108	80-120
Nickel	5.76	1.00	"	5.00		115	80-120
Selenium	5.29	0.260	"	5.00		106	80-120
Silver	5.94	0.100	"	5.00		119	80-120
Zinc	53.5	37.0	"	50.0		107	80-120

Matrix Spike (B4L1934-MS1)

Source: E4L0699-07

Prepared: 12/19/2024 Analyzed: 12/20/2024

Arsenic	7.55	0.281	mg/kg	4.85	3.25	88.7	75-125
Barium	579	9.70	"	485	61.2	107	75-125
Cadmium	5.50	0.0970	"	4.85	0.0762	112	75-125
Copper	59.5	9.70	"	48.5	5.59	111	75-125
Lead	10.4	0.970	"	4.85	5.90	93.9	75-125
Nickel	9.98	0.970	"	4.85	5.63	89.8	75-125
Selenium	4.98	0.252	"	4.85	0.136	100	75-125
Silver	5.64	0.0970	"	4.85	0.0186	116	75-125

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Max Dahlgren
Project Number: [none]
Project: KMG - Baldwin 12-11 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 B4L1934 - EPA 3050B

Matrix Spike (B4L1934-MS1)

Source: E4L0699-07

Prepared: 12/19/2024 Analyzed: 12/20/2024

Zinc	71.0	35.9	mg/kg	48.5	22.6	99.8	75-125			
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Matrix Spike Dup (B4L1934-MSD1)

Source: E4L0699-07

Prepared: 12/19/2024 Analyzed: 12/20/2024

Arsenic	7.65	0.281	mg/kg	4.84	3.25	90.8	75-125	1.28	20	
Barium	571	9.69	"	484	61.2	105	75-125	1.45	20	
Cadmium	5.31	0.0969	"	4.84	0.0762	108	75-125	3.52	20	
Copper	58.4	9.69	"	48.4	5.59	109	75-125	1.81	20	
Lead	11.2	0.969	"	4.84	5.90	110	75-125	7.28	20	
Nickel	10.8	0.969	"	4.84	5.63	107	75-125	8.07	20	
Selenium	4.87	0.252	"	4.84	0.136	97.8	75-125	2.26	20	
Silver	5.44	0.0969	"	4.84	0.0186	112	75-125	3.63	20	
Zinc	72.0	35.8	"	48.4	22.6	102	75-125	1.37	20	

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Absaroka
 112 High St.
 Buffalo WY 82834

Max Dahlgren
 Project Number: [none]
 Project: KMG - Baldwin 12-11 Wellhead

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 B4L1928 - EPA 3580

Blank (B4L1928-BLK1)

Prepared: 12/19/2024 Analyzed: 12/20/2024

1-Methylnaphthalene	ND	0.002	mg/kg							U
2-Methylnaphthalene	ND	0.002	"							U
Acenaphthene	ND	0.020	"							U
Anthracene	ND	0.020	"							U
Benzo (a) anthracene	ND	0.005	"							U
Benzo (a) pyrene	ND	0.020	"							U
Benzo (b) fluoranthene	ND	0.020	"							U
Benzo (g,h,i) perylene	ND	0.020	"							U
Benzo (k) fluoranthene	ND	0.020	"							U
Chrysene	ND	0.020	"							U
Dibenz (a,h) anthracene	ND	0.020	"							U
Fluoranthene	ND	0.020	"							U
Fluorene	ND	0.020	"							U
Indeno (1,2,3-cd) pyrene	ND	0.020	"							U
Naphthalene	ND	0.002	"							U
Phenanthrene	ND	0.020	"							U
Pyrene	ND	0.020	"							U

Surrogate: Fluorene-d10	200		ug/kg	200	102	60-130
Surrogate: Anthracene-d10	190		"	200	96.3	60-130
Surrogate: Pyrene-d10	210		"	200	103	60-130
Surrogate: Benzo (a) pyrene-d12	200		"	200	99.0	60-130

LCS (B4L1928-BS1)

Prepared: 12/19/2024 Analyzed: 12/20/2024

1-Methylnaphthalene	0.179	0.002	mg/kg	0.200	89.5	70-130
2-Methylnaphthalene	0.173	0.002	"	0.200	86.6	70-130
Acenaphthene	0.182	0.020	"	0.200	90.9	70-130
Anthracene	0.165	0.020	"	0.200	82.3	70-130

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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Baldwin 12-11 Wellhead

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 B4L1928 - EPA 3580

LCS (B4L1928-BS1)

Prepared: 12/19/2024 Analyzed: 12/20/2024

Benzo (a) anthracene	0.172	0.005	mg/kg	0.200		86.0	70-130			
Benzo (a) pyrene	0.195	0.020	"	0.200		97.3	70-130			
Benzo (b) fluoranthene	0.194	0.020	"	0.200		97.0	70-130			
Benzo (g,h,i) perylene	0.182	0.020	"	0.200		91.1	70-130			
Benzo (k) fluoranthene	0.203	0.020	"	0.200		102	70-130			
Chrysene	0.185	0.020	"	0.200		92.3	70-130			
Dibenz (a,h) anthracene	0.199	0.020	"	0.200		99.6	70-130			
Fluoranthene	0.183	0.020	"	0.200		91.6	70-130			
Fluorene	0.187	0.020	"	0.200		93.7	70-130			
Indeno (1,2,3-cd) pyrene	0.195	0.020	"	0.200		97.7	70-130			
Naphthalene	0.181	0.002	"	0.200		90.3	70-130			
Phenanthrene	0.180	0.020	"	0.200		90.2	70-130			
Pyrene	0.184	0.020	"	0.200		92.0	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		102	60-130			
Surrogate: Anthracene-d10	190		"	200		97.1	60-130			
Surrogate: Pyrene-d10	200		"	200		102	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		103	60-130			

Matrix Spike (B4L1928-MS1)

Source: E4L0682-01

Prepared: 12/19/2024 Analyzed: 12/20/2024

1-Methylnaphthalene	0.196	0.002	mg/kg	0.200	0.026	85.0	70-130			
2-Methylnaphthalene	0.202	0.002	"	0.200	0.043	79.7	70-130			
Acenaphthene	0.191	0.020	"	0.200	ND	95.6	70-130			
Anthracene	0.159	0.020	"	0.200	0.002	78.6	70-130			
Benzo (a) anthracene	0.185	0.005	"	0.200	0.008	88.7	70-130			
Benzo (a) pyrene	0.199	0.020	"	0.200	0.011	93.7	70-130			
Benzo (b) fluoranthene	0.206	0.020	"	0.200	0.015	96.0	70-130			
Benzo (g,h,i) perylene	0.182	0.020	"	0.200	0.012	85.0	70-130			

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Absaroka
112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Baldwin 12-11 Wellhead

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 B4L1928 - EPA 3580

Matrix Spike (B4L1928-MS1)	Source: E4L0682-01			Prepared: 12/19/2024 Analyzed: 12/20/2024						
Benzo (k) fluoranthene	0.211	0.020	mg/kg	0.200	0.007	102	70-130			
Chrysene	0.198	0.020	"	0.200	0.017	90.3	70-130			
Dibenz (a,h) anthracene	0.201	0.020	"	0.200	0.002	99.5	70-130			
Fluoranthene	0.202	0.020	"	0.200	0.024	89.2	70-130			
Fluorene	0.202	0.020	"	0.200	0.011	95.1	70-130			
Indeno (1,2,3-cd) pyrene	0.242	0.020	"	0.200	0.011	115	70-130			
Naphthalene	0.181	0.002	"	0.200	0.003	88.7	70-130			
Phenanthrene	0.197	0.020	"	0.200	0.019	89.3	70-130			
Pyrene	0.208	0.020	"	0.200	0.029	89.5	70-130			
Surrogate: Fluorene-d10	210		ug/kg	200		104	60-130			
Surrogate: Anthracene-d10	190		"	200		96.0	60-130			
Surrogate: Pyrene-d10	200		"	200		102	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		105	60-130			

Matrix Spike Dup (B4L1928-MSD1)	Source: E4L0682-01			Prepared: 12/19/2024 Analyzed: 12/21/2024						
1-Methylnaphthalene	0.197	0.002	mg/kg	0.200	0.026	85.9	70-130	0.899	20	
2-Methylnaphthalene	0.200	0.002	"	0.200	0.043	78.6	70-130	1.17	20	
Acenaphthene	0.192	0.020	"	0.200	ND	95.8	70-130	0.146	20	
Anthracene	0.172	0.020	"	0.200	0.002	84.8	70-130	7.47	20	
Benzo (a) anthracene	0.198	0.005	"	0.200	0.008	95.3	70-130	6.91	20	
Benzo (a) pyrene	0.208	0.020	"	0.200	0.011	98.3	70-130	4.52	20	
Benzo (b) fluoranthene	0.210	0.020	"	0.200	0.015	97.7	70-130	1.68	20	
Benzo (g,h,i) perylene	0.196	0.020	"	0.200	0.012	91.9	70-130	7.37	20	
Benzo (k) fluoranthene	0.203	0.020	"	0.200	0.007	98.0	70-130	3.58	20	
Chrysene	0.199	0.020	"	0.200	0.017	91.2	70-130	0.851	20	
Dibenz (a,h) anthracene	0.203	0.020	"	0.200	0.002	101	70-130	1.02	20	
Fluoranthene	0.203	0.020	"	0.200	0.024	89.7	70-130	0.501	20	

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Max Dahlgren
Project Number: [none]
Project: KMG - Baldwin 12-11 Wellhead

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 B4L1928 - EPA 3580

Matrix Spike Dup (B4L1928-MSD1)	Source: E4L0682-01			Prepared: 12/19/2024 Analyzed: 12/21/2024						
Fluorene	0.199	0.020	mg/kg	0.200	0.011	93.8	70-130	1.35	20	
Indeno (1,2,3-cd) pyrene	0.206	0.020	"	0.200	0.011	97.4	70-130	16.0	20	
Naphthalene	0.187	0.002	"	0.200	0.003	92.0	70-130	3.56	20	
Phenanthrene	0.196	0.020	"	0.200	0.019	89.0	70-130	0.362	20	
Pyrene	0.206	0.020	"	0.200	0.029	88.7	70-130	0.753	20	
Surrogate: Fluorene-d10	210		ug/kg	200		103	60-130			
Surrogate: Anthracene-d10	190		"	200		94.4	60-130			
Surrogate: Pyrene-d10	210		"	200		103	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		104	60-130			

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Project: KMG - Baldwin 12-11 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 B4L2005 - Saturated Paste Metals

Blank (B4L2005-BLK1)

Prepared: 12/20/2024 Analyzed: 12/26/2024

SAR	ND	0.0100	SAR							
Calcium PPM	ND	10.0	mg/L							
Magnesium PPM	ND	10.0	"							
Sodium PPM	ND	10.0	"							

Duplicate (B4L2005-DUP1)

Source: E4L0698-01

Prepared: 12/20/2024 Analyzed: 12/26/2024

SAR	ND	0.0100	SAR	6.60				200		
Calcium PPM	12.1	10.0	mg/L	5.48			75.2	50	QR-DUP	
Magnesium PPM	3.34	10.0	"	1.68			66.1	50	QR-DUP	
Sodium PPM	57.4	10.0	"	68.9			18.2	50		

Batch B4L2006 - Saturated Paste Metals

Blank (B4L2006-BLK1)

Prepared: 12/20/2024 Analyzed: 12/26/2024

SAR	ND	0.0100	SAR							
Calcium PPM	ND	10.0	mg/L							
Magnesium PPM	ND	10.0	"							
Sodium PPM	ND	10.0	"							

Duplicate (B4L2006-DUP1)

Source: E4L0699-07

Prepared: 12/20/2024 Analyzed: 12/26/2024

SAR	ND	0.0100	SAR	1.96				200		
Calcium PPM	75.9	10.0	mg/L	80.3			5.62	50		
Magnesium PPM	31.6	10.0	"	28.2			11.6	50		
Sodium PPM	133	10.0	"	80.3			49.4	50		

Batch B4L2010 - DTPA Sorbitol Preparation

Blank (B4L2010-BLK1)

Prepared: 12/20/2024 Analyzed: 12/23/2024

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Absaroka
112 High St.
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Max Dahlgren
Project Number: [none]
Project: KMG - Baldwin 12-11 Wellhead

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4L2010 - DTPA Sorbitol Preparation										
Blank (B4L2010-BLK1)					Prepared: 12/20/2024 Analyzed: 12/23/2024					
Boron	ND	0.100	mg/L							
Duplicate (B4L2010-DUP1)					Source: E4L0698-01 Prepared: 12/20/2024 Analyzed: 12/23/2024					
Boron	0.166	0.101	mg/L		0.178			6.96	50	
Batch B4L2011 - DTPA Sorbitol Preparation										
Blank (B4L2011-BLK1)					Prepared: 12/20/2024 Analyzed: 12/23/2024					
Boron	ND	0.100	mg/L							
Duplicate (B4L2011-DUP1)					Source: E4L0699-07 Prepared: 12/20/2024 Analyzed: 12/23/2024					
Boron	0.327	0.0999	mg/L		0.182			57.3	50	QR-DUP

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Project: KMG - Baldwin 12-11 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 B4L2019 - Saturated Paste pH/EC

Blank (B4L2019-BLK1)

Prepared: 12/20/2024 Analyzed: 12/24/2024

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B4L2019-DUP1)

Source: E4L0698-01

Prepared: 12/20/2024 Analyzed: 12/24/2024

pH 9.17 pH Units 9.28 1.19 25

Specific Conductance (EC) 0.466 0.00500 mmhos/cm 0.441 5.56 25

Batch B4L2020 - Saturated Paste pH/EC

Blank (B4L2020-BLK1)

Prepared: 12/20/2024 Analyzed: 12/24/2024

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B4L2020-DUP1)

Source: E4L0699-07

Prepared: 12/20/2024 Analyzed: 12/24/2024

Specific Conductance (EC) 1.45 0.00500 mmhos/cm 1.19 19.1 25

pH 8.09 pH Units 7.94 1.87 25

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Max Dahlgren
 Project Number: [none]
 Project: KMG - Baldwin 12-11 Wellhead

Total Metals by SW7196 - Quality Control
Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BIA0236 - No Prep Wet Chem										
Blank (BIA0236-BLK1)										
					Prepared: 01/08/2025 Analyzed: 01/08/2025					
Chromium, Hexavalent	ND	0.005	mg/kg				-			
LCS (BIA0236-BS1)										
					Prepared: 01/08/2025 Analyzed: 01/08/2025					
Chromium, Hexavalent	0.05		mg/kg	0.0500		94.0	80-120			
Matrix Spike (BIA0236-MS1)										
			Source: E4L0699-10			Prepared: 01/08/2025 Analyzed: 01/08/2025				
Chromium, Hexavalent	0.04	0.005	mg/kg	0.0500	ND	86.0	75-125			
Matrix Spike Dup (BIA0236-MSD1)										
			Source: E4L0699-10			Prepared: 01/08/2025 Analyzed: 01/08/2025				
Chromium, Hexavalent	0.04	0.005	mg/kg	0.0500	ND	88.0	75-125		20	

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Max Dahlgren
 Project Number: [none]
 Project: KMG - Baldwin 12-11 Wellhead

Total Metals by SW7196 - Quality Control
Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BIA0235 - No Prep Wet Chem										
Blank (BIA0235-BLK1)					Prepared: 01/08/2025 Analyzed: 01/08/2025					
Chromium, Hexavalent	ND	0.005	mg/kg				-			
LCS (BIA0235-BS1)					Prepared: 01/08/2025 Analyzed: 01/08/2025					
Chromium, Hexavalent	0.05		mg/kg	0.0500		102	80-120			
Matrix Spike (BIA0235-MS1)		Source: 24L1336-01			Prepared: 01/08/2025 Analyzed: 01/08/2025					
Chromium, Hexavalent	2.21	0.20	mg/kg	1.97	ND	112	75-125			
Matrix Spike Dup (BIA0235-MSD1)		Source: 24L1336-01			Prepared: 01/08/2025 Analyzed: 01/08/2025					
Chromium, Hexavalent	1.90	0.19	mg/kg	1.94	ND	98.0	75-125	15.0	20	

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Max Dahlgren
 Project Number: [none]
 Project: KMG - Baldwin 12-11 Wellhead

Total Metals by SW7199 - Quality Control
Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BIA0216 - No Prep IC-WET										
Blank (BIA0216-BLK1)										
					Prepared: 01/08/2025 Analyzed: 01/08/2025					
Chromium, Hexavalent	ND	0.005	mg/kg				-			
LCS (BIA0216-BS1)										
					Prepared: 01/08/2025 Analyzed: 01/08/2025					
Chromium, Hexavalent	0.05	0.005	mg/kg	0.0500		93.3	80-120			
Matrix Spike (BIA0216-MS1)										
					Source: 24L1448-05 Prepared: 01/08/2025 Analyzed: 01/08/2025					
Chromium, Hexavalent	2.17	0.20	mg/kg	2.02	ND	107	75-125			
Matrix Spike Dup (BIA0216-MSD1)										
					Source: 24L1448-05 Prepared: 01/08/2025 Analyzed: 01/08/2025					
Chromium, Hexavalent	2.11	0.20	mg/kg	2.02	ND	104	75-125	2.81	20	

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112 High St.
Buffalo WY 82834

Max Dahlgren
Project Number: [none]
Project: KMG - Baldwin 12-11 Wellhead

Notes and Definitions

U Sample is Non-Detect.

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

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

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