



Eagle Environmental Consulting, LLC

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

March 26, 2025

Project Name - KMG - Enderson 4 &6-11/Sarch Facility **Project Number - [none]**

Attached are your analytical results for KMG - Enderson 4 &6-11/Sarch Facility received by Origins Laboratory March 07, 2025. This project is associated with Origins project number E5C0261-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory
303.433.1322
projectmanager@originslab.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645



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

Dan Coloccia
Project Number: [none]
Project: KMG - Enderson 4 &6-11/Sarch Facility

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PW-B01@4'	E5C0261-01	Soil	March 7, 2025 12:00	03/07/2025 14:13
PW-W01@2'	E5C0261-02	Soil	March 7, 2025 12:10	03/07/2025 14:13
AST-B01@1'	E5C0261-03	Soil	March 7, 2025 12:14	03/07/2025 14:13
SEP-B01@2'	E5C0261-04	Soil	March 7, 2025 12:52	03/07/2025 14:13
SEP-B02@2'	E5C0261-05	Soil	March 7, 2025 12:56	03/07/2025 14:13
SEP-B03@2'	E5C0261-06	Soil	March 7, 2025 12:50	03/07/2025 14:13
SEP-B04@2'	E5C0261-07	Soil	March 7, 2025 12:54	03/07/2025 14:13
PW-BG01@3'	E5C0261-08	Soil	March 7, 2025 10:25	03/07/2025 14:13
PW-BG01@6'	E5C0261-09	Soil	March 7, 2025 10:30	03/07/2025 14:13
PW-BG02@3'	E5C0261-10	Soil	March 7, 2025 11:20	03/07/2025 14:13
PW-BG02@6'	E5C0261-11	Soil	March 7, 2025 11:25	03/07/2025 14:13
PW-BG03@3'	E5C0261-12	Soil	March 7, 2025 11:35	03/07/2025 14:13
PW-BG03@6'	E5C0261-13	Soil	March 7, 2025 11:40	03/07/2025 14:13
PW-BG04@3'	E5C0261-14	Soil	March 7, 2025 11:45	03/07/2025 14:13

Origins Laboratory

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 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PW-BG04@6'	E5C0261-15	Soil	March 7, 2025 11:50	03/07/2025 14:13

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

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ESCO261

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Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix Preservative	Analysis						Comments										
					Full Table 915-1	pH	EC	SAR	Boron	Metals											
PW-80164	3/7/15	1:00	3	WUP	X																
PW-80182		1:10																			
HT-80181		1:14																			
SEP-80182		1:22																			
SEP-80202		1:55																			
SEP-80202		1:59																			
SEP-80202		1:59																			
PW-80183		1:51	2			X	X	X	X	X											
PW-80185		1:50																			
PW-80183		1:59																			

Temp Received - 14
 Received On Ice? Yes No

Turnaround Time
 48 Hr 72
 SAME DAY 24 Hr

Relinquished By: *SH* Date: 3/7/15 Time: 4:13
 Received By: *M* Date: 3/10/15 Time: 4:13

Client: Eagle Environmental Consulting
 Address: 8000 W 44th Ave
 Telephone Number: 303-433-0714
 Email Address: admin@eagle-ec.com
 Project Manager: D. Coloccia
 Project Name: Enderson 4 & 6-11/Sarch Facility
 Project Number: ESCO261
 Collected By: JS
 Invoice/Billing Info: Initial OKY
 Site: Surface Water Non-Surface Water

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 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

ORIGINS
LABORATORY


ESCO261

Page 1 of 1

Client: Eagle Environmental Consulting
 Address: 8000 W 44th Ave
 Telephone Number: (303) 433-0474
 Email Address: dcoloccia@eagle-environmental.com
 Project Manager: D. Coloccia
 Project Name: Enderson 4 & 6-11 Sarch Facility
 Project Number: [none]
 Collected By: JS
 Invoice/Billing Info: LARIN
 Analysis: PH, EC, SAR, Boron, Metals
 Comments: [none]

Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix Preservative	Analysis					Comments
					PH	EC	SAR	Boron	Metals	
PW-680266	3/1/25	1:15	2	UVI	X	X	X	X	X	
PW-680383		1:40			X	X	X	X	X	
PW-680461		1:45			X	X	X	X	X	
PW-680500		1:50			X	X	X	X	X	

Temp Received: 14
 Received On Ice? Yes No
 Turnaround Time: 48 Hr 72 Hrs
 SAME DAY 24 Hr

Origins Laboratory


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ORIGINS LABORATORY

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

Dan Coloccia
Project Number: [none]
Project: KMG - Enderson 4 & 6-11/Sarch Facility

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

Sample Receipt Checklist

Origins Work Order: E500261 Client: Eagle

Checklist Completed by: NJ/JAR Client Project ID: Enderson 4 & 6-11/Sarch Fa

Date/time completed: 3/7/25 Shipped Via: HD
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

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


Cooler Number/Temperature: 1, 1.4.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⁾ ?	<input checked="" type="checkbox"/>			
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water — is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input checked="" type="checkbox"/>			
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH < 2 for samples preserved with HNO3, HCl, H2SO4) / (pH > 10 for samples preserved with NaOH, Na2CO3, NaAc, NaOAc)	<input checked="" type="checkbox"/>			
Additional Comments (if any):				

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

Reviewed by (Project Manager) AA Date/Time Reviewed 3/10/25

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

PW-B01@4'
3/7/2025 12:00:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0261-01 (Soil)									
GEL Laboratories, LLC									
PAH BY 8270E									
1-Methylnaphthalene	ND	0.00349	0.00349	mg/kg dry	1	2765870	03/15/2025	03/16/2025	U
2-Methylnaphthalene	ND	0.00349	0.00349	"	"	"	"	"	U
Acenaphthene	ND	0.00349	0.00349	"	"	"	"	"	U
Anthracene	ND	0.00349	0.00349	"	"	"	"	"	U
Benzo(a)anthracene	ND	0.00349	0.00349	"	"	"	"	"	U
Benzo(a)pyrene	ND	0.00349	0.00349	"	"	"	"	"	U
Benzo(b)fluoranthene	ND	0.00349	0.00349	"	"	"	"	"	U
Benzo(k)fluoranthene	ND	0.00349	0.00349	"	"	"	"	"	U
Chrysene	ND	0.00349	0.00349	"	"	"	"	"	U
Dibenzo(a,h)anthracene	ND	0.00349	0.00349	"	"	"	"	"	U
Fluoranthene	ND	0.00349	0.00349	"	"	"	"	"	U
Fluorene	ND	0.00349	0.00349	"	"	"	"	"	U
Indeno(1,2,3-cd)pyrene	ND	0.00349	0.00349	"	"	"	"	"	U
Naphthalene	ND	0.00349	0.00349	"	"	"	"	"	U
Pyrene	ND	0.00349	0.00349	"	"	"	"	"	U
Surrogate: 5-alpha-Androstane	76 %			22-135		"	"	"	
TOTAL METALS BY 7196A									
Hexavalent Chromium	ND	0.128	0.319	mg/kg dry	1	2766603	03/19/2025	03/20/2025	U

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Dan Coloccia
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PW-B01@4'
3/7/2025 12:00:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0261-01 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	ND		0.0995	mg/L	1	B5C1006	03/10/2025	03/11/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5C1129	03/11/2025	03/14/2025	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua
Surrogate: o-Terphenyl	107 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5C1149	03/11/2025	03/14/2025	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	107 %			70-130		"	"	"	
Surrogate: Toluene-d8	91.4 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	95.9 %			70-130		"	"	"	

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PW-B01@4'
3/7/2025 12:00:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0261-01 (Soil)
Origins Laboratory

Metals by Saturated Paste by EPA 6010

Calcium	1.39		0.499	meq/L	10	[CALC]	03/10/2025	03/13/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.470		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.25			pH Units	1	B5C1067	03/10/2025	03/13/2025	
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SAR by 20B Saturated Paste

SAR	0.506		0.0100	SAR	1	B5C1064	03/10/2025	03/13/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.219		0.00500	mmhos/cm	1	B5C1067	03/10/2025	03/13/2025	
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Table 915 metals by EPA 6020B

Arsenic	4.66		0.268	mg/kg	10	B5C1029	03/10/2025	03/11/2025	
Barium	103		9.23	"	"	"	"	"	
Cadmium	ND		0.0923	"	"	"	"	"	
Copper	ND		9.23	"	"	"	"	"	
Lead	5.64		0.923	"	"	"	"	"	
Nickel	5.90		0.923	"	"	"	"	"	
Selenium	ND		0.240	"	"	"	"	"	

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 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

PW-B01@4'

3/7/2025 12:00:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0261-01 (Soil)									
Origins Laboratory									
Table 915 metals by EPA 6020B									
Silver	ND		0.0923	mg/kg	10	B5C1029	03/10/2025	03/11/2025	
Zinc	ND		34.1	"	"	"	"	"	

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Eagle Environmental Consulting, LLC
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Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

PW-W01@2'
3/7/2025 12:10:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0261-02 (Soil)									
GEL Laboratories, LLC									
PAH BY 8270E									
1-Methylnaphthalene	ND	0.00369	0.00369	mg/kg dry	1	2765870	03/15/2025	03/16/2025	U
2-Methylnaphthalene	ND	0.00369	0.00369	"	"	"	"	"	U
Acenaphthene	ND	0.00369	0.00369	"	"	"	"	"	U
Anthracene	ND	0.00369	0.00369	"	"	"	"	"	U
Benzo(a)anthracene	ND	0.00369	0.00369	"	"	"	"	"	U
Benzo(a)pyrene	ND	0.00369	0.00369	"	"	"	"	"	U
Benzo(b)fluoranthene	ND	0.00369	0.00369	"	"	"	"	"	U
Benzo(k)fluoranthene	ND	0.00369	0.00369	"	"	"	"	"	U
Chrysene	ND	0.00369	0.00369	"	"	"	"	"	U
Dibenzo(a,h)anthracene	ND	0.00369	0.00369	"	"	"	"	"	U
Fluoranthene	ND	0.00369	0.00369	"	"	"	"	"	U
Fluorene	ND	0.00369	0.00369	"	"	"	"	"	U
Indeno(1,2,3-cd)pyrene	ND	0.00369	0.00369	"	"	"	"	"	U
Naphthalene	ND	0.00369	0.00369	"	"	"	"	"	U
Pyrene	ND	0.00369	0.00369	"	"	"	"	"	U
Surrogate: 5-alpha-Androstane	61 %			22-135		"	"	"	
TOTAL METALS BY 7196A									
Hexavalent Chromium	ND	0.111	0.279	mg/kg dry	1	2766603	03/19/2025	03/20/2025	U

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 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

PW-W01@2'
3/7/2025 12:10:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0261-02 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.115		0.100	mg/L	1	B5C1006	03/10/2025	03/11/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5C1129	03/11/2025	03/14/2025	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua
Surrogate: o-Terphenyl	88.3 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5C1149	03/11/2025	03/14/2025	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua
Surrogate: 1,2-Dichloroethane-d4	106 %			70-130		"	"	"	
Surrogate: Toluene-d8	91.2 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	97.1 %			70-130		"	"	"	

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 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

PW-W01@2'
3/7/2025 12:10:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0261-02 (Soil)
Origins Laboratory

Metals by Saturated Paste by EPA 6010

Calcium	1.42		0.499	meq/L	10	[CALC]	03/10/2025	03/13/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.676		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.25			pH Units	1	B5C1067	03/10/2025	03/13/2025	
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SAR by 20B Saturated Paste

SAR	0.729		0.0100	SAR	1	B5C1064	03/10/2025	03/13/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.227		0.00500	mmhos/cm	1	B5C1067	03/10/2025	03/13/2025	
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Table 915 metals by EPA 6020B

Arsenic	2.72		0.273	mg/kg	10	B5C1029	03/10/2025	03/11/2025	
Barium	74.1		9.40	"	"	"	"	"	
Cadmium	0.101		0.0940	"	"	"	"	"	
Copper	ND		9.40	"	"	"	"	"	
Lead	7.53		0.940	"	"	"	"	"	
Nickel	7.82		0.940	"	"	"	"	"	
Selenium	ND		0.244	"	"	"	"	"	

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

PW-W01@2'
3/7/2025 12:10:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0261-02 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Silver	ND		0.0940	mg/kg	10	B5C1029	03/10/2025	03/11/2025	
Zinc	ND		34.8	"	"	"	"	"	

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Eagle Environmental Consulting, LLC
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Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

AST-B01@1'
3/7/2025 12:14:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0261-03 (Soil)									
GEL Laboratories, LLC									
PAH BY 8270E									
1-Methylnaphthalene	ND	0.00347	0.00347	mg/kg dry	1	2765870	03/15/2025	03/17/2025	U
2-Methylnaphthalene	ND	0.00347	0.00347	"	"	"	"	"	U
Acenaphthene	ND	0.00347	0.00347	"	"	"	"	"	U
Anthracene	ND	0.00347	0.00347	"	"	"	"	"	U
Benzo(a)anthracene	ND	0.00347	0.00347	"	"	"	"	"	U
Benzo(a)pyrene	ND	0.00347	0.00347	"	"	"	"	"	U
Benzo(b)fluoranthene	ND	0.00347	0.00347	"	"	"	"	"	U
Benzo(k)fluoranthene	ND	0.00347	0.00347	"	"	"	"	"	U
Chrysene	ND	0.00347	0.00347	"	"	"	"	"	U
Dibenzo(a,h)anthracene	ND	0.00347	0.00347	"	"	"	"	"	U
Fluoranthene	ND	0.00347	0.00347	"	"	"	"	"	U
Fluorene	ND	0.00347	0.00347	"	"	"	"	"	U
Indeno(1,2,3-cd)pyrene	ND	0.00347	0.00347	"	"	"	"	"	U
Naphthalene	ND	0.00347	0.00347	"	"	"	"	"	U
Pyrene	ND	0.00347	0.00347	"	"	"	"	"	U
Surrogate: 5-alpha-Androstane	111 %				22-135	"	"	"	
TOTAL METALS BY 7196A									
Hexavalent Chromium	ND	0.151	0.377	mg/kg dry	1	2766603	03/19/2025	03/20/2025	U

Origins Laboratory

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ORIGINS LABORATORY

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

Dan Coloccia
Project Number: [none]
Project: KMG - Enderson 4 & 6-11/Sarch Facility

AST-B01@1'
3/7/2025 12:14:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0261-03 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.168		0.0996	mg/L	1	B5C1006	03/10/2025	03/11/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5C1129	03/11/2025	03/14/2025	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua
Surrogate: o-Terphenyl	94.9 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5C1149	03/11/2025	03/14/2025	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua
Surrogate: 1,2-Dichloroethane-d4	106 %			70-130		"	"	"	
Surrogate: Toluene-d8	91.5 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	98.0 %			70-130		"	"	"	

Origins Laboratory



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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

AST-B01@1'
3/7/2025 12:14:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0261-03 (Soil)
Origins Laboratory

Metals by Saturated Paste by EPA 6010

Calcium	13.1		0.499	meq/L	10	[CALC]	03/10/2025	03/13/2025	
Magnesium	4.41		0.823	"	"	"	"	"	
Sodium	0.677		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.56			pH Units	1	B5C1067	03/10/2025	03/13/2025	
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SAR by 20B Saturated Paste

SAR	0.229		0.0100	SAR	1	B5C1064	03/10/2025	03/13/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.85		0.00500	mmhos/cm	1	B5C1067	03/10/2025	03/13/2025	
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Table 915 metals by EPA 6020B

Arsenic	1.80		0.258	mg/kg	10	B5C1029	03/10/2025	03/11/2025	
Barium	42.2		8.90	"	"	"	"	"	
Cadmium	ND		0.0890	"	"	"	"	"	
Copper	ND		8.90	"	"	"	"	"	
Lead	4.23		0.890	"	"	"	"	"	
Nickel	4.58		0.890	"	"	"	"	"	
Selenium	ND		0.231	"	"	"	"	"	

Origins Laboratory

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

AST-B01@1'
3/7/2025 12:14:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0261-03 (Soil)									
Origins Laboratory									
Table 915 metals by EPA 6020B									
Silver	ND		0.0890	mg/kg	10	B5C1029	03/10/2025	03/11/2025	
Zinc	ND		32.9	"	"	"	"	"	

Origins Laboratory

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

SEP-B01@2'
3/7/2025 12:52:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0261-04 (Soil)									
GEL Laboratories, LLC									
PAH BY 8270E									
1-Methylnaphthalene	ND	0.00356	0.00356	mg/kg dry	1	2765870	03/15/2025	03/16/2025	U
2-Methylnaphthalene	ND	0.00356	0.00356	"	"	"	"	"	U
Acenaphthene	0.00463	0.00356	0.00356	"	"	"	"	"	
Anthracene	0.0253	0.00356	0.00356	"	"	"	"	"	
Benzo(a)anthracene	0.402	0.00356	0.00356	"	"	"	"	"	
Benzo(a)pyrene	0.409	0.00356	0.00356	"	"	"	"	"	
Benzo(b)fluoranthene	0.570	0.00356	0.00356	"	"	"	"	"	
Benzo(k)fluoranthene	0.191	0.00356	0.00356	"	"	"	"	"	
Chrysene	0.454	0.00356	0.00356	"	"	"	"	"	
Dibenzo(a,h)anthracene	0.0716	0.00356	0.00356	"	"	"	"	"	
Fluoranthene	0.433	0.00356	0.00356	"	"	"	"	"	
Fluorene	0.00570	0.00356	0.00356	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	0.251	0.00356	0.00356	"	"	"	"	"	
Naphthalene	ND	0.00356	0.00356	"	"	"	"	"	U
Pyrene	0.616	0.00356	0.00356	"	"	"	"	"	
Surrogate: 5-alpha-Androstane	83 %			22-135		"	"	"	
TOTAL METALS BY 7196A									
Hexavalent Chromium	ND	0.108	0.270	mg/kg dry	1	2766603	03/19/2025	03/20/2025	U

Origins Laboratory

Origins Laboratory

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ORIGINS LABORATORY

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

Dan Coloccia
Project Number: [none]
Project: KMG - Enderson 4 & 6-11/Sarch Facility

SEP-B01@2'
3/7/2025 12:52:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0261-04 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.142		0.102	mg/L	1	B5C1006	03/10/2025	03/11/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5C1129	03/11/2025	03/14/2025	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua
Surrogate: <i>o</i> -Terphenyl	101 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5C1149	03/11/2025	03/14/2025	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua
Surrogate: 1,2-Dichloroethane-d4	106 %			70-130		"	"	"	
Surrogate: Toluene-d8	91.2 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	97.0 %			70-130		"	"	"	

Origins Laboratory



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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

SEP-B01@2'
3/7/2025 12:52:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0261-04 (Soil)
Origins Laboratory

Metals by Saturated Paste by EPA 6010

Calcium	1.20		0.499	meq/L	10	[CALC]	03/10/2025	03/13/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	1.17		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.25			pH Units	1	B5C1067	03/10/2025	03/13/2025	
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SAR by 20B Saturated Paste

SAR	1.34		0.0100	SAR	1	B5C1064	03/10/2025	03/13/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.268		0.00500	mmhos/cm	1	B5C1067	03/10/2025	03/13/2025	
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Table 915 metals by EPA 6020B

Arsenic	2.21		0.250	mg/kg	10	B5C1029	03/10/2025	03/11/2025	
Barium	48.1		8.61	"	"	"	"	"	
Cadmium	0.119		0.0861	"	"	"	"	"	
Copper	ND		8.61	"	"	"	"	"	
Lead	5.80		0.861	"	"	"	"	"	
Nickel	4.78		0.861	"	"	"	"	"	
Selenium	ND		0.224	"	"	"	"	"	

Origins Laboratory

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 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

SEP-B01@2'
3/7/2025 12:52:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0261-04 (Soil)									
Origins Laboratory									
Table 915 metals by EPA 6020B									
Silver	ND		0.0861	mg/kg	10	B5C1029	03/10/2025	03/11/2025	
Zinc	ND		31.9	"	"	"	"	"	

Origins Laboratory

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

SEP-B02@2'
3/7/2025 12:56:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0261-05 (Soil)									
GEL Laboratories, LLC									
PAH BY 8270E									
1-Methylnaphthalene	ND	0.00351	0.00351	mg/kg dry	1	2765870	03/15/2025	03/17/2025	U
2-Methylnaphthalene	ND	0.00351	0.00351	"	"	"	"	"	U
Acenaphthene	ND	0.00351	0.00351	"	"	"	"	"	U
Anthracene	0.0102	0.00351	0.00351	"	"	"	"	"	
Benzo(a)anthracene	0.152	0.00351	0.00351	"	"	"	"	"	
Benzo(a)pyrene	0.117	0.00351	0.00351	"	"	"	"	"	
Benzo(b)fluoranthene	0.160	0.00351	0.00351	"	"	"	"	"	
Benzo(k)fluoranthene	0.0536	0.00351	0.00351	"	"	"	"	"	
Chrysene	0.160	0.00351	0.00351	"	"	"	"	"	
Dibenzo(a,h)anthracene	0.0172	0.00351	0.00351	"	"	"	"	"	
Fluoranthene	0.244	0.00351	0.00351	"	"	"	"	"	
Fluorene	ND	0.00351	0.00351	"	"	"	"	"	U
Indeno(1,2,3-cd)pyrene	0.0652	0.00351	0.00351	"	"	"	"	"	
Naphthalene	ND	0.00351	0.00351	"	"	"	"	"	U
Pyrene	0.257	0.00351	0.00351	"	"	"	"	"	
Surrogate: 5-alpha-Androstane	117 %			22-135		"	"	"	
TOTAL METALS BY 7196A									
Hexavalent Chromium	ND	0.137	0.343	mg/kg dry	1	2766603	03/19/2025	03/20/2025	U

Origins Laboratory

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

SEP-B02@2'
3/7/2025 12:56:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0261-05 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.129		0.0990	mg/L	1	B5C1006	03/10/2025	03/11/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5C1129	03/11/2025	03/14/2025	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua
Surrogate: <i>o</i> -Terphenyl	88.2 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5C1149	03/11/2025	03/14/2025	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	107 %			70-130		"	"	"	
Surrogate: Toluene-d8	93.5 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	95.4 %			70-130		"	"	"	

Origins Laboratory

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

SEP-B02@2'
3/7/2025 12:56:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0261-05 (Soil)
Origins Laboratory

Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	03/10/2025	03/13/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	1.17		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.23			pH Units	1	B5C1067	03/10/2025	03/13/2025	
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SAR by 20B Saturated Paste

SAR	2.16		0.0100	SAR	1	B5C1064	03/10/2025	03/13/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.169		0.00500	mmhos/cm	1	B5C1067	03/10/2025	03/13/2025	
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Table 915 metals by EPA 6020B

Arsenic	1.61		0.276	mg/kg	10	B5C1029	03/10/2025	03/11/2025	
Barium	46.4		9.53	"	"	"	"	"	
Cadmium	0.111		0.0953	"	"	"	"	"	
Copper	ND		9.53	"	"	"	"	"	
Lead	6.16		0.953	"	"	"	"	"	
Nickel	5.24		0.953	"	"	"	"	"	
Selenium	ND		0.248	"	"	"	"	"	

Origins Laboratory

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

SEP-B02@2'
3/7/2025 12:56:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0261-05 (Soil)									
Origins Laboratory									
Table 915 metals by EPA 6020B									
Silver	ND		0.0953	mg/kg	10	B5C1029	03/10/2025	03/11/2025	
Zinc	ND		35.2	"	"	"	"	"	

Origins Laboratory

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

SEP-B03@2'
3/7/2025 12:50:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0261-06 (Soil)									
GEL Laboratories, LLC									
PAH BY 8270E									
1-Methylnaphthalene	ND	0.00352	0.00352	mg/kg dry	1	2765870	03/15/2025	03/16/2025	U
2-Methylnaphthalene	ND	0.00352	0.00352	"	"	"	"	"	U
Acenaphthene	ND	0.00352	0.00352	"	"	"	"	"	U
Anthracene	ND	0.00352	0.00352	"	"	"	"	"	U
Benzo(a)anthracene	ND	0.00352	0.00352	"	"	"	"	"	U
Benzo(a)pyrene	ND	0.00352	0.00352	"	"	"	"	"	U
Benzo(b)fluoranthene	0.00352	0.00352	0.00352	"	"	"	"	"	U
Benzo(k)fluoranthene	ND	0.00352	0.00352	"	"	"	"	"	U
Chrysene	ND	0.00352	0.00352	"	"	"	"	"	U
Dibenzo(a,h)anthracene	ND	0.00352	0.00352	"	"	"	"	"	U
Fluoranthene	0.00492	0.00352	0.00352	"	"	"	"	"	U
Fluorene	ND	0.00352	0.00352	"	"	"	"	"	U
Indeno(1,2,3-cd)pyrene	ND	0.00352	0.00352	"	"	"	"	"	U
Naphthalene	ND	0.00352	0.00352	"	"	"	"	"	U
Pyrene	0.00457	0.00352	0.00352	"	"	"	"	"	U
Surrogate: 5-alpha-Androstane	100 %			22-135		"	"	"	
TOTAL METALS BY 7196A									
Hexavalent Chromium	ND	0.113	0.282	mg/kg dry	1	2766603	03/19/2025	03/20/2025	U

Origins Laboratory

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

SEP-B03@2'
3/7/2025 12:50:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0261-06 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	ND		0.101	mg/L	1	B5C1006	03/10/2025	03/11/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5C1129	03/11/2025	03/14/2025	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua
Surrogate: <i>o</i> -Terphenyl	89.8 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5C1149	03/11/2025	03/14/2025	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua
Surrogate: 1,2-Dichloroethane-d4	106 %			70-130		"	"	"	
Surrogate: Toluene-d8	93.4 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	96.3 %			70-130		"	"	"	

Origins Laboratory

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

SEP-B03@2'
3/7/2025 12:50:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0261-06 (Soil)									
Origins Laboratory									
Metals by Saturated Paste by EPA 6010									
Calcium	0.994		0.499	meq/L	10	[CALC]	03/10/2025	03/13/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.552		0.435	"	"	"	"	"	
pH in Soil by 9045D									
pH	8.28			pH Units	1	B5C1067	03/10/2025	03/13/2025	
SAR by 20B Saturated Paste									
SAR	0.684		0.0100	SAR	1	B5C1064	03/10/2025	03/13/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	0.197		0.00500	mmhos/cm	1	B5C1067	03/10/2025	03/13/2025	
Table 915 metals by EPA 6020B									
Arsenic	1.95		0.275	mg/kg	10	B5C1029	03/10/2025	03/11/2025	
Barium	46.8		9.49	"	"	"	"	"	
Cadmium	ND		0.0949	"	"	"	"	"	
Copper	ND		9.49	"	"	"	"	"	
Lead	5.56		0.949	"	"	"	"	"	
Nickel	5.52		0.949	"	"	"	"	"	
Selenium	ND		0.247	"	"	"	"	"	

Origins Laboratory

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

SEP-B03@2'
3/7/2025 12:50:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0261-06 (Soil)									
Origins Laboratory									
Table 915 metals by EPA 6020B									
Silver	ND		0.0949	mg/kg	10	B5C1029	03/10/2025	03/11/2025	
Zinc	ND		35.1	"	"	"	"	"	

Origins Laboratory

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Eagle Environmental Consulting, LLC
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Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

SEP-B04@2'
3/7/2025 12:54:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0261-07 (Soil)									
GEL Laboratories, LLC									
PAH BY 8270E									
1-Methylnaphthalene	ND	0.00341	0.00341	mg/kg dry	1	2765870	03/15/2025	03/16/2025	U
2-Methylnaphthalene	ND	0.00341	0.00341	"	"	"	"	"	U
Acenaphthene	ND	0.00341	0.00341	"	"	"	"	"	U
Anthracene	ND	0.00341	0.00341	"	"	"	"	"	U
Benzo(a)anthracene	ND	0.00341	0.00341	"	"	"	"	"	U
Benzo(a)pyrene	ND	0.00341	0.00341	"	"	"	"	"	U
Benzo(b)fluoranthene	0.00375	0.00341	0.00341	"	"	"	"	"	U
Benzo(k)fluoranthene	ND	0.00341	0.00341	"	"	"	"	"	U
Chrysene	ND	0.00341	0.00341	"	"	"	"	"	U
Dibenzo(a,h)anthracene	ND	0.00341	0.00341	"	"	"	"	"	U
Fluoranthene	0.00341	0.00341	0.00341	"	"	"	"	"	U
Fluorene	ND	0.00341	0.00341	"	"	"	"	"	U
Indeno(1,2,3-cd)pyrene	ND	0.00341	0.00341	"	"	"	"	"	U
Naphthalene	ND	0.00341	0.00341	"	"	"	"	"	U
Pyrene	0.00341	0.00341	0.00341	"	"	"	"	"	U
Surrogate: 5-alpha-Androstane	98 %			22-135		"	"	"	
TOTAL METALS BY 7196A									
Hexavalent Chromium	ND	0.103	0.257	mg/kg dry	1	2766603	03/19/2025	03/20/2025	U

Origins Laboratory

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

SEP-B04@2'
3/7/2025 12:54:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0261-07 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.147		0.101	mg/L	1	B5C1006	03/10/2025	03/11/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5C1129	03/11/2025	03/14/2025	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua
Surrogate: <i>o</i> -Terphenyl	89.3 %								
				50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5C1149	03/11/2025	03/14/2025	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua
Surrogate: 1,2-Dichloroethane-d4	106 %								
Surrogate: Toluene-d8	93.0 %								
Surrogate: 4-Bromofluorobenzene	95.8 %								

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

Dan Coloccia
Project Number: [none]
Project: KMG - Enderson 4 & 6-11/Sarch Facility

SEP-B04@2'
3/7/2025 12:54:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0261-07 (Soil)									
Origins Laboratory									
Metals by Saturated Paste by EPA 6010									
Calcium	0.856		0.499	meq/L	10	[CALC]	03/10/2025	03/13/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.614		0.435	"	"	"	"	"	
pH in Soil by 9045D									
pH	8.27			pH Units	1	B5C1067	03/10/2025	03/13/2025	
SAR by 20B Saturated Paste									
SAR	0.795		0.0100	SAR	1	B5C1064	03/10/2025	03/13/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	0.196		0.00500	mmhos/cm	1	B5C1067	03/10/2025	03/13/2025	
Table 915 metals by EPA 6020B									
Arsenic	1.86		0.269	mg/kg	10	B5C1029	03/10/2025	03/11/2025	
Barium	57.7		9.27	"	"	"	"	"	
Cadmium	0.133		0.0927	"	"	"	"	"	
Copper	ND		9.27	"	"	"	"	"	
Lead	8.53		0.927	"	"	"	"	"	
Nickel	4.60		0.927	"	"	"	"	"	
Selenium	ND		0.241	"	"	"	"	"	

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

SEP-B04@2'
3/7/2025 12:54:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0261-07 (Soil)									
Origins Laboratory									
Table 915 metals by EPA 6020B									
Silver	ND		0.0927	mg/kg	10	B5C1029	03/10/2025	03/11/2025	
Zinc	ND		34.3	"	"	"	"	"	

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

PW-BG01@3'
3/7/2025 10:25:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0261-08 (Soil)									
GEL Laboratories, LLC									
TOTAL METALS BY 7196A									
Hexavalent Chromium	ND	0.111	0.278	mg/kg dry	1	2766603	03/19/2025	03/20/2025	U
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	ND		0.0994	mg/L	1	B5C1006	03/10/2025	03/11/2025	
Metals by Saturated Paste by EPA 6010									
Calcium	ND		0.499	meq/L	10	[CALC]	03/10/2025	03/13/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.535		0.435	"	"	"	"	"	
pH in Soil by 9045D									
pH	7.29			pH Units	1	B5C1067	03/10/2025	03/13/2025	
SAR by 20B Saturated Paste									
SAR	1.41		0.0100	SAR	1	B5C1064	03/10/2025	03/13/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	0.0937		0.00500	mmhos/cm	1	B5C1067	03/10/2025	03/13/2025	

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

PW-BG01@3'

3/7/2025 10:25:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0261-08 (Soil)

Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	1.94		0.259	mg/kg	10	B5C1029	03/10/2025	03/11/2025	
Barium	51.4		8.93	"	"	"	"	"	
Cadmium	ND		0.0893	"	"	"	"	"	
Copper	ND		8.93	"	"	"	"	"	
Lead	5.32		0.893	"	"	"	"	"	
Nickel	6.62		0.893	"	"	"	"	"	
Selenium	ND		0.232	"	"	"	"	"	
Silver	ND		0.0893	"	"	"	"	"	
Zinc	ND		33.0	"	"	"	"	"	

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

PW-BG01@6'
3/7/2025 10:30:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0261-09 (Soil)
GEL Laboratories, LLC

TOTAL METALS BY 7196A

Hexavalent Chromium	ND	0.143	0.357	mg/kg dry	1	2766603	03/19/2025	03/20/2025	U
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Origins Laboratory

Boron (DTPA Sorbitol)

Boron	0.125		0.102	mg/L	1	B5C1006	03/10/2025	03/11/2025	
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Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	03/10/2025	03/13/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.665		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.22			pH Units	1	B5C1068	03/10/2025	03/13/2025	
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SAR by 20B Saturated Paste

SAR	1.53		0.0100	SAR	1	B5C1065	03/10/2025	03/13/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.122		0.00500	mmhos/cm	1	B5C1068	03/10/2025	03/13/2025	
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Origins Laboratory

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 8000 W 44th Ave
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Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

PW-BG01@6'

3/7/2025 10:30:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0261-09 (Soil)

Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	2.06		0.276	mg/kg	10	B5C1029	03/10/2025	03/11/2025	
Barium	56.5		9.52	"	"	"	"	"	
Cadmium	ND		0.0952	"	"	"	"	"	
Copper	ND		9.52	"	"	"	"	"	
Lead	5.55		0.952	"	"	"	"	"	
Nickel	7.08		0.952	"	"	"	"	"	
Selenium	ND		0.248	"	"	"	"	"	
Silver	ND		0.0952	"	"	"	"	"	
Zinc	ND		35.2	"	"	"	"	"	

Origins Laboratory

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

PW-BG02@3'
3/7/2025 11:20:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0261-10 (Soil)
GEL Laboratories, LLC

TOTAL METALS BY 7196A

Hexavalent Chromium	ND	0.122	0.304	mg/kg dry	1	2766603	03/19/2025	03/20/2025	U
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Origins Laboratory

Boron (DTPA Sorbitol)

Boron	0.170		0.0983	mg/L	1	B5C1006	03/10/2025	03/11/2025	
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Metals by Saturated Paste by EPA 6010

Calcium	0.659		0.499	meq/L	10	[CALC]	03/10/2025	03/13/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	1.16		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.40			pH Units	1	B5C1068	03/10/2025	03/13/2025	
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SAR by 20B Saturated Paste

SAR	1.64		0.0100	SAR	1	B5C1065	03/10/2025	03/13/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.226		0.00500	mmhos/cm	1	B5C1068	03/10/2025	03/13/2025	
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Origins Laboratory

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 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

PW-BG02@3'

3/7/2025 11:20:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0261-10 (Soil)

Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	3.69		0.253	mg/kg	10	B5C1029	03/10/2025	03/11/2025	
Barium	120		8.73	"	"	"	"	"	
Cadmium	0.120		0.0873	"	"	"	"	"	
Copper	9.84		8.73	"	"	"	"	"	
Lead	10.2		0.873	"	"	"	"	"	
Nickel	10.2		0.873	"	"	"	"	"	
Selenium	ND		0.227	"	"	"	"	"	
Silver	ND		0.0873	"	"	"	"	"	
Zinc	54.5		32.3	"	"	"	"	"	

Origins Laboratory

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 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

PW-BG02@6'
3/7/2025 11:25:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0261-11 (Soil)									
GEL Laboratories, LLC									
TOTAL METALS BY 7196A									
Hexavalent Chromium	ND	0.127	0.317	mg/kg dry	1	2766603	03/19/2025	03/20/2025	U
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	ND		0.101	mg/L	1	B5C1006	03/10/2025	03/11/2025	
Metals by Saturated Paste by EPA 6010									
Calcium	ND		0.499	meq/L	10	[CALC]	03/10/2025	03/13/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.732		0.435	"	"	"	"	"	
pH in Soil by 9045D									
pH	7.39			pH Units	1	B5C1068	03/10/2025	03/13/2025	
SAR by 20B Saturated Paste									
SAR	1.34		0.0100	SAR	1	B5C1065	03/10/2025	03/13/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	0.147		0.00500	mmhos/cm	1	B5C1068	03/10/2025	03/13/2025	

Origins Laboratory

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

PW-BG02@6'

3/7/2025 11:25:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0261-11 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	1.97		0.254	mg/kg	10	B5C1029	03/10/2025	03/11/2025	
Barium	60.3		8.75	"	"	"	"	"	
Cadmium	ND		0.0875	"	"	"	"	"	
Copper	ND		8.75	"	"	"	"	"	
Lead	5.26		0.875	"	"	"	"	"	
Nickel	6.80		0.875	"	"	"	"	"	
Selenium	ND		0.228	"	"	"	"	"	
Silver	ND		0.0875	"	"	"	"	"	
Zinc	ND		32.4	"	"	"	"	"	

Origins Laboratory

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

PW-BG03@3'
3/7/2025 11:35:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0261-12 (Soil)									
GEL Laboratories, LLC									
TOTAL METALS BY 7196A									
Hexavalent Chromium	ND	0.0979	0.245	mg/kg dry	1	2766603	03/19/2025	03/20/2025	U
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.528		0.0993	mg/L	1	B5C1007	03/10/2025	03/11/2025	
Metals by Saturated Paste by EPA 6010									
Calcium	ND		0.499	meq/L	10	[CALC]	03/10/2025	03/13/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	4.57		0.435	"	"	"	"	"	
pH in Soil by 9045D									
pH	8.66			pH Units	1	B5C1068	03/10/2025	03/13/2025	
SAR by 20B Saturated Paste									
SAR	9.73		0.0100	SAR	1	B5C1065	03/10/2025	03/13/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	0.536		0.00500	mmhos/cm	1	B5C1068	03/10/2025	03/13/2025	

Origins Laboratory

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

PW-BG03@3'

3/7/2025 11:35:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0261-12 (Soil)

Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	3.17		0.276	mg/kg	10	B5C1029	03/10/2025	03/11/2025	
Barium	78.5		9.50	"	"	"	"	"	"
Cadmium	0.101		0.0950	"	"	"	"	"	"
Copper	ND		9.50	"	"	"	"	"	"
Lead	9.18		0.950	"	"	"	"	"	"
Nickel	10.3		0.950	"	"	"	"	"	"
Selenium	ND		0.247	"	"	"	"	"	"
Silver	ND		0.0950	"	"	"	"	"	"
Zinc	ND		35.2	"	"	"	"	"	"

Origins Laboratory

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 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

PW-BG03@6'
3/7/2025 11:40:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0261-13 (Soil)
GEL Laboratories, LLC

TOTAL METALS BY 7196A

Hexavalent Chromium	ND	0.0923	0.231	mg/kg dry	1	2766603	03/19/2025	03/20/2025	U
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Origins Laboratory

Boron (DTPA Sorbitol)

Boron	0.175		0.101	mg/L	1	B5C1007	03/10/2025	03/11/2025	
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Metals by Saturated Paste by EPA 6010

Calcium	1.37		0.499	meq/L	10	[CALC]	03/10/2025	03/13/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	1.16		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.29			pH Units	1	B5C1068	03/10/2025	03/13/2025	
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SAR by 20B Saturated Paste

SAR	1.19		0.0100	SAR	1	B5C1065	03/10/2025	03/13/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.325		0.00500	mmhos/cm	1	B5C1068	03/10/2025	03/13/2025	
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Origins Laboratory

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

PW-BG03@6'

3/7/2025 11:40:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0261-13 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	2.75		0.249	mg/kg	10	B5C1029	03/10/2025	03/11/2025	
Barium	115		8.60	"	"	"	"	"	"
Cadmium	0.108		0.0860	"	"	"	"	"	"
Copper	ND		8.60	"	"	"	"	"	"
Lead	7.02		0.860	"	"	"	"	"	"
Nickel	8.51		0.860	"	"	"	"	"	"
Selenium	ND		0.224	"	"	"	"	"	"
Silver	ND		0.0860	"	"	"	"	"	"
Zinc	ND		31.8	"	"	"	"	"	"

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

PW-BG04@3'
3/7/2025 11:45:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0261-14 (Soil)
GEL Laboratories, LLC

TOTAL METALS BY 7196A

Hexavalent Chromium	ND	0.0922	0.230	mg/kg dry	1	2766603	03/19/2025	03/20/2025	U
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Origins Laboratory

Boron (DTPA Sorbitol)

Boron	0.210		0.0996	mg/L	1	B5C1007	03/10/2025	03/11/2025	
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Metals by Saturated Paste by EPA 6010

Calcium	0.824		0.499	meq/L	10	[CALC]	03/10/2025	03/13/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	1.23		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.56			pH Units	1	B5C1068	03/10/2025	03/13/2025	
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SAR by 20B Saturated Paste

SAR	1.59		0.0100	SAR	1	B5C1065	03/10/2025	03/13/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.251		0.00500	mmhos/cm	1	B5C1068	03/10/2025	03/13/2025	
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Origins Laboratory

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

PW-BG04@3'

3/7/2025 11:45:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0261-14 (Soil)

Origins Laboratory

Table 915 metals by EPA 6020B

Arsenic	2.26		0.272	mg/kg	10	B5C1029	03/10/2025	03/11/2025	
Barium	63.0		9.37	"	"	"	"	"	"
Cadmium	0.106		0.0937	"	"	"	"	"	"
Copper	ND		9.37	"	"	"	"	"	"
Lead	6.53		0.937	"	"	"	"	"	"
Nickel	6.69		0.937	"	"	"	"	"	"
Selenium	ND		0.244	"	"	"	"	"	"
Silver	ND		0.0937	"	"	"	"	"	"
Zinc	ND		34.7	"	"	"	"	"	"

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

PW-BG04@6'
3/7/2025 11:50:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0261-15 (Soil)
Origins Laboratory

Boron (DTPA Sorbitol)

Boron	0.505		0.102	mg/L	1	B5C1007	03/10/2025	03/11/2025	
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Metals by Saturated Paste by EPA 6010

Calcium	1.69		0.499	meq/L	10	[CALC]	03/10/2025	03/13/2025	
Magnesium	1.26		0.823	"	"	"	"	"	
Sodium	2.01		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.28			pH Units	1	B5C1068	03/10/2025	03/13/2025	
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SAR by 20B Saturated Paste

SAR	1.66		0.0100	SAR	1	B5C1065	03/10/2025	03/13/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.528		0.00500	mmhos/cm	1	B5C1068	03/10/2025	03/13/2025	
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Table 915 metals by EPA 6020B

Arsenic	5.95		0.271	mg/kg	10	B5C1029	03/10/2025	03/11/2025	
Barium	293		9.35	"	"	"	"	"	
Cadmium	0.277		0.0935	"	"	"	"	"	
Copper	18.6		9.35	"	"	"	"	"	

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

PW-BG04@6'

3/7/2025 11:50:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0261-15 (Soil)

Origins Laboratory

Table 915 metals by EPA 6020B

Lead	14.3		0.935	mg/kg	10	B5C1029	03/10/2025	03/11/2025	
Nickel	22.3		0.935	"	"	"	"	"	"
Selenium	ND		0.243	"	"	"	"	"	"
Silver	ND		0.0935	"	"	"	"	"	"
Zinc	70.6		34.6	"	"	"	"	"	"

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 Project: KMG - Enderson 4 &6-11/Sarch Facility

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 B5C1006 - DTPA Sorbitol Preparation

Blank (B5C1006-BLK1)

Prepared: 03/10/2025 Analyzed: 03/11/2025

Boron ND 0.100 mg/L

Duplicate (B5C1006-DUP1)

Source: E5C0257-05

Prepared: 03/10/2025 Analyzed: 03/11/2025

Boron 0.207 0.101 mg/L 0.177 15.7 50

Batch B5C1007 - DTPA Sorbitol Preparation

Blank (B5C1007-BLK1)

Prepared: 03/10/2025 Analyzed: 03/11/2025

Boron ND 0.100 mg/L

Duplicate (B5C1007-DUP1)

Source: E5C0261-12

Prepared: 03/10/2025 Analyzed: 03/11/2025

Boron 0.532 0.0995 mg/L 0.528 0.691 50

Batch B5C1064 - Saturated Paste Metals

Blank (B5C1064-BLK1)

Prepared: 03/10/2025 Analyzed: 03/13/2025

SAR ND 0.0100 SAR

Calcium PPM ND 10.0 mg/L

Magnesium PPM ND 10.0 "

Sodium PPM ND 10.0 "

Duplicate (B5C1064-DUP1)

Source: E5C0257-01

Prepared: 03/10/2025 Analyzed: 03/13/2025

SAR ND 0.0100 SAR 2.56 200

Calcium PPM 9.19 10.0 mg/L 9.25 0.651 50

Magnesium PPM 4.40 10.0 " 4.26 3.23 50

Sodium PPM 38.7 10.0 " 37.5 3.10 50

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

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 B5C1065 - Saturated Paste Metals

Blank (B5C1065-BLK1)

Prepared: 03/10/2025 Analyzed: 03/13/2025

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

Duplicate (B5C1065-DUP1)

Source: E5C0261-09

Prepared: 03/10/2025 Analyzed: 03/13/2025

Calcium PPM	3.87	10.0	mg/L		4.25			9.36	50	
SAR	ND	0.0100	SAR		1.53				200	
Magnesium PPM	1.27	10.0	mg/L		2.01			45.1	50	
Sodium PPM	13.6	10.0	"		15.3			11.8	50	

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 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

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 B5C1129 - EPA 3550B

Blank (B5C1129-BLK1)

Prepared: 03/11/2025 Analyzed: 03/14/2025

Diesel (C10-C28)	ND	25.0	mg/kg							Ua
Residual Range Organics (C28-C40)	ND	100	"							Ua
Surrogate: o-Terphenyl	25		"	24.9		99.7	50-150			

LCS (B5C1129-BS1)

Prepared: 03/11/2025 Analyzed: 03/14/2025

Diesel (C10-C28)	907	50.0	mg/kg	1000		90.7	70-130			
Residual Range Organics (C28-C40)	890	200	"	1000		89.0	70-130			
Surrogate: o-Terphenyl	50		"	49.8		101	50-150			

Matrix Spike (B5C1129-MS1)

Source: E5C0261-01

Prepared: 03/11/2025 Analyzed: 03/14/2025

Diesel (C10-C28)	973	50.0	mg/kg	1000	ND	97.3	70-130			
Residual Range Organics (C28-C40)	993	200	"	1000	ND	99.3	70-130			
Surrogate: o-Terphenyl	51		"	49.8		102	50-150			

Matrix Spike Dup (B5C1129-MSD1)

Source: E5C0261-01

Prepared: 03/11/2025 Analyzed: 03/14/2025

Diesel (C10-C28)	995	50.0	mg/kg	1000	ND	99.5	70-130	2.27	35	
Residual Range Organics (C28-C40)	998	200	"	1000	ND	99.8	70-130	0.493	35	
Surrogate: o-Terphenyl	51		"	49.8		103	50-150			

Origins Laboratory

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

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 B5C1029 - EPA 3050B

Blank (B5C1029-BLK1)

Prepared: 03/10/2025 Analyzed: 03/11/2025

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 (B5C1029-BS1)

Prepared: 03/10/2025 Analyzed: 03/11/2025

Arsenic	5.09	0.290	mg/kg	5.00		102	80-120			
Barium	520	10.0	"	500		104	80-120			
Cadmium	5.64	0.100	"	5.00		113	80-120			
Copper	53.0	10.0	"	50.0		106	80-120			
Lead	5.15	1.00	"	5.00		103	80-120			
Nickel	4.94	1.00	"	5.00		98.7	80-120			
Selenium	5.39	0.260	"	5.00		108	80-120			
Silver	5.44	0.100	"	5.00		109	80-120			
Zinc	53.4	37.0	"	50.0		107	80-120			

Matrix Spike (B5C1029-MS1)

Source: E5C0261-04

Prepared: 03/10/2025 Analyzed: 03/11/2025

Arsenic	6.43	0.271	mg/kg	4.68	2.21	90.2	75-125			
Barium	517	9.36	"	468	48.1	100	75-125			
Cadmium	4.93	0.0936	"	4.68	0.119	103	75-125			
Copper	53.1	9.36	"	46.8	5.18	102	75-125			
Lead	10.7	0.936	"	4.68	5.80	105	75-125			

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 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

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 B5C1029 - EPA 3050B

Matrix Spike (B5C1029-MS1)

Source: E5C0261-04

Prepared: 03/10/2025 Analyzed: 03/11/2025

Nickel	9.39	0.936	mg/kg	4.68	4.78	98.4	75-125			
Selenium	4.92	0.243	"	4.68	0.149	102	75-125			
Silver	4.66	0.0936	"	4.68	0.0129	99.4	75-125			
Zinc	69.8	34.6	"	46.8	22.6	101	75-125			

Matrix Spike Dup (B5C1029-MSD1)

Source: E5C0261-04

Prepared: 03/10/2025 Analyzed: 03/11/2025

Arsenic	6.72	0.276	mg/kg	4.76	2.21	94.7	75-125	4.41	20	
Barium	573	9.53	"	476	48.1	110	75-125	10.2	20	
Cadmium	5.36	0.0953	"	4.76	0.119	110	75-125	8.36	20	
Copper	60.2	9.53	"	47.6	5.18	116	75-125	12.6	20	
Lead	11.0	0.953	"	4.76	5.80	109	75-125	2.59	20	
Nickel	9.79	0.953	"	4.76	4.78	105	75-125	4.20	20	
Selenium	5.53	0.248	"	4.76	0.149	113	75-125	11.5	20	
Silver	5.06	0.0953	"	4.76	0.0129	106	75-125	8.17	20	
Zinc	76.8	35.3	"	47.6	22.6	114	75-125	9.56	20	

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

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 B5C1067 - Saturated Paste pH/EC

Blank (B5C1067-BLK1)

Prepared: 03/10/2025 Analyzed: 03/13/2025

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B5C1067-DUP1)

Source: E5C0257-01

Prepared: 03/10/2025 Analyzed: 03/13/2025

pH 8.51 pH Units 8.57 0.703 25

Specific Conductance (EC) 0.276 0.00500 mmhos/cm 0.273 1.17 25

Batch B5C1068 - Saturated Paste pH/EC

Blank (B5C1068-BLK1)

Prepared: 03/10/2025 Analyzed: 03/13/2025

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B5C1068-DUP1)

Source: E5C0261-09

Prepared: 03/10/2025 Analyzed: 03/13/2025

pH 7.24 pH Units 7.22 0.277 25

Specific Conductance (EC) 0.122 0.00500 mmhos/cm 0.122 0.246 25

Origins Laboratory

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 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

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 B5C1149 - EPA 5030 (soil)

Blank (B5C1149-BLK1)

Prepared: 03/11/2025 Analyzed: 03/13/2025

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
Toluene	ND	0.00200	"							Ua
Xylenes, total	ND	0.00200	"							Ua
Gasoline Range Hydrocarbons	ND	0.200	"							Ua

Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125	107	70-130				
Surrogate: Toluene-d8	0.13		"	0.125	105	70-130				
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125	100	70-130				

LCS (B5C1149-BS1)

Prepared: 03/11/2025 Analyzed: 03/13/2025

1,2,4-Trimethylbenzene	0.101	0.00200	mg/kg	0.100	101	70-130				
1,3,5-Trimethylbenzene	0.102	0.00200	"	0.100	102	70-130				
Benzene	0.0864	0.00200	"	0.100	86.4	70-130				
Ethylbenzene	0.0983	0.00200	"	0.100	98.3	70-130				
Toluene	0.0920	0.00200	"	0.100	92.0	70-130				
o-Xylene	0.0994	0.00200	"	0.100	99.4	70-130				
m,p-Xylene	0.201	0.00400	"	0.200	100	70-130				

Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125	103	70-130				
Surrogate: Toluene-d8	0.13		"	0.125	106	70-130				
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125	102	70-130				

Matrix Spike (B5C1149-MS1)

Source: E5C0240-01

Prepared: 03/11/2025 Analyzed: 03/14/2025

1,2,4-Trimethylbenzene	0.0640	0.00200	mg/kg	0.100	0.000620	63.4	70-130			QM-07
1,3,5-Trimethylbenzene	0.0652	0.00200	"	0.100	0.00114	64.1	70-130			QM-07
Benzene	0.0666	0.00200	"	0.100	ND	66.6	70-130			QM-07

Origins Laboratory

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

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 B5C1149 - EPA 5030 (soil)

Matrix Spike (B5C1149-MS1)

Source: E5C0240-01

Prepared: 03/11/2025 Analyzed: 03/14/2025

Ethylbenzene	0.0719	0.00200	mg/kg	0.100	ND	71.9	70-130			
Toluene	0.0684	0.00200	"	0.100	ND	68.4	70-130			QM-07
o-Xylene	0.0748	0.00200	"	0.100	ND	74.8	70-130			
m,p-Xylene	0.146	0.00400	"	0.200	ND	73.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		111	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		107	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		109	70-130			

Matrix Spike Dup (B5C1149-MSD1)

Source: E5C0240-01

Prepared: 03/11/2025 Analyzed: 03/14/2025

1,2,4-Trimethylbenzene	0.0355	0.00200	mg/kg	0.100	0.000620	34.9	70-130	57.3	20	QM-07
1,3,5-Trimethylbenzene	0.0352	0.00200	"	0.100	0.00114	34.1	70-130	59.7	20	QM-07
Benzene	0.0616	0.00200	"	0.100	ND	61.6	70-130	7.77	20	QM-07
Ethylbenzene	0.0506	0.00200	"	0.100	ND	50.6	70-130	34.8	20	QM-07
Toluene	0.0581	0.00200	"	0.100	ND	58.1	70-130	16.3	20	QM-07
o-Xylene	0.0528	0.00200	"	0.100	ND	52.8	70-130	34.5	20	QM-07
m,p-Xylene	0.100	0.00400	"	0.200	ND	50.1	70-130	37.2	20	QM-07
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		112	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		106	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		110	70-130			

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

PAH BY 8270E - 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 2765870 - SW846 3541

BLANK (1206037794-BLK)

Prepared: 03/15/2025 Analyzed: 03/16/2025

Fluorene	ND	0.00332	mg/kg	-	-	-	-	-	-	U
Benzo(k)fluoranthene	ND	0.00332	"	-	-	-	-	-	-	U
Pyrene	ND	0.00332	"	-	-	-	-	-	-	U
Indeno(1,2,3-cd)pyrene	ND	0.00332	"	-	-	-	-	-	-	U
Fluoranthene	ND	0.00332	"	-	-	-	-	-	-	U
Dibenzo(a,h)anthracene	ND	0.00332	"	-	-	-	-	-	-	U
Chrysene	ND	0.00332	"	-	-	-	-	-	-	U
2-Methylnaphthalene	ND	0.00332	"	-	-	-	-	-	-	U
Benzo(a)pyrene	ND	0.00332	"	-	-	-	-	-	-	U
Benzo(a)anthracene	ND	0.00332	"	-	-	-	-	-	-	U
Anthracene	ND	0.00332	"	-	-	-	-	-	-	U
Acenaphthene	ND	0.00332	"	-	-	-	-	-	-	U
1-Methylnaphthalene	ND	0.00332	"	-	-	-	-	-	-	U
Benzo(b)fluoranthene	ND	0.00332	"	-	-	-	-	-	-	U
Naphthalene	ND	0.00332	"	-	-	-	-	-	-	U

Surrogate: 5-alpha-Androstane

0.148

"

0.166

89

22-135

LCS (1206037795-BKS)

Prepared: 03/15/2025 Analyzed: 03/16/2025

Chrysene	0.247	0.00328	mg/kg	0.328	75	42-117
Dibenzo(a,h)anthracene	0.245	0.00328	"	0.328	75	38-132
Fluoranthene	0.218	0.00328	"	0.328	66	39-119
Fluorene	0.199	0.00328	"	0.328	61	37-115
Indeno(1,2,3-cd)pyrene	0.239	0.00328	"	0.328	73	38-133
Pyrene	0.220	0.00328	"	0.328	67	38-117
Benzo(a)pyrene	0.243	0.00328	"	0.328	74	39-127
Naphthalene	0.190	0.00328	"	0.328	58	38-109
Benzo(a)anthracene	0.239	0.00328	"	0.328	73	42-120

Origins Laboratory

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 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 &6-11/Sarch Facility

PAH BY 8270E - 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 2765870 - SW846 3541

LCS (1206037795-BKS)

Prepared: 03/15/2025 Analyzed: 03/16/2025

Anthracene	0.218	0.00328	mg/kg	0.328		66	41-117			
Acenaphthene	0.198	0.00328	"	0.328		60	41-112			
2-Methylnaphthalene	0.188	0.00328	"	0.328		57	39-110			
1-Methylnaphthalene	0.184	0.00328	"	0.328		56	39-109			
Benzo(b)fluoranthene	0.236	0.00328	"	0.328		72	39-123			
Benzo(k)fluoranthene	0.223	0.00328	"	0.328		68	40-122			

Surrogate: 5-*alpha*-Androstane

0.131

"

0.164

80

22-135

LCS D (1206037796-BKSD)

Prepared: 03/15/2025 Analyzed: 03/16/2025

Chrysene	0.243	0.00329	mg/kg	0.329		74	42-117	2	30	
Dibenzo(a,h)anthracene	0.234	0.00329	"	0.329		71	38-132	5	30	
Pyrene	0.215	0.00329	"	0.329		65	38-117	2	30	
Fluoranthene	0.214	0.00329	"	0.329		65	39-119	2	30	
Acenaphthene	0.204	0.00329	"	0.329		62	41-112	3	30	
Fluorene	0.206	0.00329	"	0.329		62	37-115	3	30	
Naphthalene	0.197	0.00329	"	0.329		60	38-109	3	30	
Indeno(1,2,3-cd)pyrene	0.230	0.00329	"	0.329		70	38-133	4	30	
Benzo(a)anthracene	0.234	0.00329	"	0.329		71	42-120	2	30	
Benzo(k)fluoranthene	0.220	0.00329	"	0.329		67	40-122	1	30	
1-Methylnaphthalene	0.191	0.00329	"	0.329		58	39-109	4	30	
2-Methylnaphthalene	0.194	0.00329	"	0.329		59	39-110	3	30	
Anthracene	0.220	0.00329	"	0.329		67	41-117	1	30	
Benzo(a)pyrene	0.238	0.00329	"	0.329		72	39-127	2	30	
Benzo(b)fluoranthene	0.230	0.00329	"	0.329		70	39-123	3	30	

Surrogate: 5-*alpha*-Androstane

0.127

"

0.165

77

22-135

MS (1206037797 S)

Source: E5C0261-01

Prepared: 03/15/2025 Analyzed: 03/16/2025

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

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GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2765870 - SW846 3541

MS (1206037797 S)

Source: E5C0261-01

Prepared: 03/15/2025 Analyzed: 03/16/2025

Naphthalene	0.143	0.00349	mg/kg dry	0.349	<0.00115	41	16-126			
Benzo(k)fluoranthene	0.170	0.00349	"	0.349	<0.00115	49	18-138			
Indeno(1,2,3-cd)pyrene	0.179	0.00349	"	0.349	<0.00115	51	13-134			
Fluorene	0.153	0.00349	"	0.349	<0.00115	44	16-134			
Fluoranthene	0.175	0.00349	"	0.349	<0.00115	50	14-136			
Dibenzo(a,h)anthracene	0.187	0.00349	"	0.349	<0.00115	54	11-134			
Chrysene	0.189	0.00349	"	0.349	<0.00115	54	19-129			
Pyrene	0.176	0.00349	"	0.349	<0.00115	51	12-139			
1-Methylnaphthalene	0.141	0.00349	"	0.349	<0.00115	40	15-129			
Benzo(a)pyrene	0.187	0.00349	"	0.349	<0.00115	54	16-133			
Benzo(a)anthracene	0.183	0.00349	"	0.349	<0.00115	52	20-132			
Anthracene	0.168	0.00349	"	0.349	<0.00115	48	18-136			
Acenaphthene	0.151	0.00349	"	0.349	<0.00115	43	17-129			
2-Methylnaphthalene	0.144	0.00349	"	0.349	<0.00115	41	15-132			
Benzo(b)fluoranthene	0.182	0.00349	"	0.349	<0.00115	52	14-136			

Surrogate: 5-alpha-Androstane

0.105

"

0.174

0.132

60

22-135

MSD (1206037798 SD)

Source: E5C0261-01

Prepared: 03/15/2025 Analyzed: 03/16/2025

Dibenzo(a,h)anthracene	0.258	0.00348	mg/kg dry	0.348	<0.00115	74	11-134	32	30	
Fluoranthene	0.248	0.00348	"	0.348	<0.00115	71	14-136	35	30	
Fluorene	0.197	0.00348	"	0.348	<0.00115	57	16-134	25	30	
Indeno(1,2,3-cd)pyrene	0.251	0.00348	"	0.348	<0.00115	72	13-134	34	30	
Chrysene	0.265	0.00348	"	0.348	<0.00115	76	19-129	34	30	
Pyrene	0.247	0.00348	"	0.348	<0.00115	71	12-139	34	30	
Benzo(a)pyrene	0.257	0.00348	"	0.348	<0.00115	74	16-133	32	30	
Naphthalene	0.173	0.00348	"	0.348	<0.00115	50	16-126	19	30	
1-Methylnaphthalene	0.173	0.00348	"	0.348	<0.00115	50	15-129	20	30	

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

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GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2765870 - SW846 3541

MSD (1206037798 SD)

Source: E5C0261-01

Prepared: 03/15/2025 Analyzed: 03/16/2025

Benzo(b)fluoranthene	0.253	0.00348	mg/kg dry	0.348	<0.00115	73	14-136	33	30	
Benzo(a)anthracene	0.256	0.00348	"	0.348	<0.00115	74	20-132	33	30	
Anthracene	0.241	0.00348	"	0.348	<0.00115	69	18-136	36	30	
Acenaphthene	0.187	0.00348	"	0.348	<0.00115	54	17-129	21	30	
2-Methylnaphthalene	0.174	0.00348	"	0.348	<0.00115	50	15-132	19	30	
Benzo(k)fluoranthene	0.240	0.00348	"	0.348	<0.00115	69	18-138	34	30	
Surrogate: 5-alpha-Androstane	0.154		"	0.174	0.132	89	22-135			

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Eagle Environmental Consulting, LLC
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Dan Coloccia
 Project Number: [none]
 Project: KMG - Enderson 4 & 6-11/Sarch Facility

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 2766603 - SW846 3060A

BLANK (1206039250-BLK)

Prepared: 03/19/2025 Analyzed: 03/20/2025

Hexavalent Chromium	ND	0.376	mg/kg				-			U
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LCS (1206039251-BKS)

Prepared: 03/19/2025 Analyzed: 03/20/2025

Hexavalent Chromium	3.22	0.318	mg/kg	3.18		101	80-120			
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DUP (1206039252 D)

Source: E5C0261-01

Prepared: 03/19/2025 Analyzed: 03/20/2025

Hexavalent Chromium	ND	0.321	mg/kg dry		<0.128		0-50	N/A	50	U
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MS (1206039253 S)

Source: E5C0261-01

Prepared: 03/19/2025 Analyzed: 03/20/2025

Hexavalent Chromium	3.05	0.321	mg/kg dry	3.21	<0.129	94.5	75-125			
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DUP (1206039254 D)

Source: E5C0261-02

Prepared: 03/19/2025 Analyzed: 03/20/2025

Hexavalent Chromium	ND	0.280	mg/kg dry		<0.112		0-50	N/A	50	U
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MS (1206039255 S)

Source: E5C0261-02

Prepared: 03/19/2025 Analyzed: 03/20/2025

Hexavalent Chromium	2.50	0.280	mg/kg dry	2.80	<0.112	89	75-125			
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ILCS (1206039256-ILCS)

Prepared: 03/19/2025 Analyzed: 03/20/2025

Hexavalent Chromium	8.27	0.385	mg/kg	7.98		104	80-120			
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8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Enderson 4 & 6-11/Sarch Facility

Notes and Definitions

- Ua Sample is Non-Detect.
 - U Result not detected above the detection limit
 - QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
 - ND Analyte NOT DETECTED at or above the reporting limit
 - RPD Relative Percent Difference
- All soil results are reported on a wet weight basis.

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