



Eagle Environmental Consulting, LLC

August 21, 2025

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - McKinstry 28N 21N 7C 2N  
OSA

Project Number - [none]

Attached are your analytical results for KMG - McKinstry 28N 21N 7C 2N OSA received by Origins Laboratory August 08, 2025. This project is associated with Origins project number E5H0199-01.

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 - McKinstry 28N 21N 7C 2N OSA

### CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BG-11@2.5-5'	E5H0199-01	Soil	August 8, 2025 9:10	08/08/2025 13:01
BG-11@5-7.5'	E5H0199-02	Soil	August 8, 2025 9:15	08/08/2025 13:01
BG-11@7.5-10'	E5H0199-03	Soil	August 8, 2025 9:20	08/08/2025 13:01
BG-11@10-12.5'	E5H0199-04	Soil	August 8, 2025 9:25	08/08/2025 13:01
BG-11@12.5-15'	E5H0199-05	Soil	August 8, 2025 9:30	08/08/2025 13:01
BG-11@15-17.5'	E5H0199-06	Soil	August 8, 2025 9:35	08/08/2025 13:01
BG-11@17.5-20'	E5H0199-07	Soil	August 8, 2025 9:40	08/08/2025 13:01
BG-12@2.5-5'	E5H0199-08	Soil	August 8, 2025 10:00	08/08/2025 13:01
BG-12@5-7.5'	E5H0199-09	Soil	August 8, 2025 10:05	08/08/2025 13:01
BG-12@7.5-10'	E5H0199-10	Soil	August 8, 2025 10:10	08/08/2025 13:01
BG-12@10-12.5'	E5H0199-11	Soil	August 8, 2025 10:15	08/08/2025 13:01
BG-12@12.5-15'	E5H0199-12	Soil	August 8, 2025 10:20	08/08/2025 13:01
BG-12@15-17.5'	E5H0199-13	Soil	August 8, 2025 10:25	08/08/2025 13:01
BG-12@17.5-20'	E5H0199-14	Soil	August 8, 2025 10:30	08/08/2025 13:01

Origins Laboratory

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Dan Coloccia  
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Project: KMG - McKinstry 28N 21N 7C 2N OSA

### CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BG-13@2.5-5'	E5H0199-15	Soil	August 8, 2025 10:50	08/08/2025 13:01
BG-13@5-7.5'	E5H0199-16	Soil	August 8, 2025 10:55	08/08/2025 13:01
BG-13@7.5-10'	E5H0199-17	Soil	August 8, 2025 11:00	08/08/2025 13:01
BG-13@10-12.5'	E5H0199-18	Soil	August 8, 2025 11:05	08/08/2025 13:01
BG-13@12.5-15'	E5H0199-19	Soil	August 8, 2025 11:10	08/08/2025 13:01
BG-13@15-17.5'	E5H0199-20	Soil	August 8, 2025 11:15	08/08/2025 13:01
BG-13@17.5-20'	E5H0199-21	Soil	August 8, 2025 11:20	08/08/2025 13:01

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Dan Coloccia  
Project Number: [none]  
Project: KMG - McKinstry 28N 21N 7C 2N OSA

**ORIGINS**  
LABORATORY

**ESHU171**

Page 1 of 3

Client: Eagle Environmental Consulting  
Address: 8000 W 44th Ave, Wheat Ridge, CO 80033  
Telephone Number: (303) 433-0474  
Email Address: [admin@eagle-ec.com](mailto:admin@eagle-ec.com)

Project Manager: D. Coloccia  
Project Name: McKinstry 28N 21N 7C 2N OSA  
Project Number: -  
Collected By: JFL  
Invoice/Billing Info:  Monthly  Quarterly  Annually  
Liquor:  L-liquid  W-Water  M-Miscellaneous  S-Solids  G-Gases

Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix Preservative	Analysis				Comments
					PC	SRP	Boron	Metals	
BK-123 (0-1.5')	8/18/15	11:15	2	WAF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
BK-124 (0-1.5')		11:20			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
BK-124 (1.5-3')		11:25			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
BK-124 (3-6')		11:30			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
BK-124 (6-12')		11:35			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
BK-124 (12.5-20')		11:40			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
BK-124 (20-30')		11:45			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
BK-124 (30-40')		11:50			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
BK-124 (40-50')		11:55			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
BK-124 (50-60')		12:00			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
BK-124 (60-75')		12:05			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
BK-124 (75-100')		12:10			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
BK-124 (100-150')		12:15			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
BK-124 (150-200')		12:20			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
BK-124 (200-250')		12:25			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
BK-124 (250-300')		12:30			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
BK-124 (300-350')		12:35			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
BK-124 (350-400')		12:40			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
BK-124 (400-450')		12:45			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
BK-124 (450-500')		12:50			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
BK-124 (500-550')		12:55			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
BK-124 (550-600')		1:00			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
BK-124 (600-650')		1:05			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
BK-124 (650-700')		1:10			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
BK-124 (700-750')		1:15			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Temp Received: 4.6°C  
Received on ice?  Yes  No

Reinstated By: [Signature]  
Date: 8/18/15  
Time: 13:01  
Received By: NLE  
Date: 08/18/15  
Time: 13:01

Turnaround Time:  48 Hr  72 Hr  24 Hr  SAME DAY

Origins Laboratory  
[Signature]

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Dan Coloccia  
Project Number: [none]  
Project: KMG - McKinstry 28N 21N 7C 2N OSA

Origins Laboratory

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

### Sample Receipt Checklist

Origins Work Order: ES40199

Client: Eagle Env.

Client Project ID: McKinstry 28N 21N 7C 2N OSA

Checklist Completed by: NKM / NKM

Shipped Via: HD  
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 08 / 08 / 25

Airbill #: N/A

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

Cooler Number/Temperature: 1 / 4.6 °C (Describe)

Thermometer ID: T-007

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

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

Reviewed by (Project Manager)

08/12/25  
Date/Time Reviewed

Origins Laboratory

*EHO*

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 8000 W 44th Ave  
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Dan Coloccia  
 Project Number: [none]  
 Project: KMG - McKinstry 28N 21N 7C 2N OSA

**BG-11@2.5-5'**

**8/8/2025 9:10:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5H0199-01 (Soil)</b>									
<b>Enthalpy Analytical</b>									
<b>TOTAL METALS BY SW7199</b>									
Chromium, Hexavalent	0.10	0.08	0.20	mg/kg	1	BIH0663	08/13/2025	08/19/2025	J
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	2.81		0.0998	mg/L	1	B5H0843	08/08/2025	08/12/2025	
<b>Metals by Saturated Paste by EPA 6010</b>									
Calcium	16.8		0.499	meq/L	10	[CALC]	08/08/2025	08/12/2025	
Magnesium	36.8		0.823	"	"	"	"	"	
Sodium	12.8		0.435	"	"	"	"	"	
<b>pH in Soil by 9045D</b>									
pH	8.06			pH Units	1	B5H0840	08/08/2025	08/12/2025	
<b>SAR by 20B Saturated Paste</b>									
SAR	2.48		0.0100	SAR	1	B5H0837	08/08/2025	08/12/2025	
<b>Specific Conductance Mod. 9050A</b>									
Specific Conductance (EC)	4.20		0.00500	mmhos/cm	1	B5H0840	08/08/2025	08/12/2025	

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**BG-11@2.5-5'**

**8/8/2025 9:10:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5H0199-01 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>Table 915 metals by EPA 6020B</b>									
Arsenic	6.52		0.243	mg/kg	10	B5H1117	08/11/2025	08/12/2025	
Barium	122		68.8	"	"	"	"	"	
Cadmium	ND		0.319	"	"	"	"	"	U
Copper	ND		38.6	"	"	"	"	"	U
Lead	ND		11.8	"	"	"	"	"	U
Nickel	ND		21.8	"	"	"	"	"	U
Selenium	0.267		0.218	"	"	"	"	"	
Silver	ND		0.672	"	"	"	"	"	U
Zinc	ND		311	"	"	"	"	"	U

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**BG-11@5-7.5'**

**8/8/2025 9:15:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5H0199-02 (Soil)</b>									
<b>Enthalpy Analytical</b>									
<b>TOTAL METALS BY SW7199</b>									
Chromium, Hexavalent	0.22	0.08	0.20	mg/kg	1	BIH0663	08/13/2025	08/19/2025	
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	3.24		0.100	mg/L	1	B5H0843	08/08/2025	08/12/2025	
<b>Metals by Saturated Paste by EPA 6010</b>									
Calcium	16.7		0.499	meq/L	10	[CALC]	08/08/2025	08/12/2025	
Magnesium	14.7		0.823	"	"	"	"	"	
Sodium	6.36		0.435	"	"	"	"	"	
<b>pH in Soil by 9045D</b>									
pH	7.95			pH Units	1	B5H0840	08/08/2025	08/12/2025	
<b>SAR by 20B Saturated Paste</b>									
SAR	1.61		0.0100	SAR	1	B5H0837	08/08/2025	08/12/2025	
<b>Specific Conductance Mod. 9050A</b>									
Specific Conductance (EC)	2.60		0.00500	mmhos/cm	1	B5H0840	08/08/2025	08/12/2025	

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**BG-11@5-7.5'**

**8/8/2025 9:15:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5H0199-02 (Soil)**  
**Origins Laboratory**

**Table 915 metals by EPA 6020B**

Arsenic	8.03		0.258	mg/kg	10	B5H1117	08/11/2025	08/12/2025	
Barium	167		73.0	"	"	"	"	"	
Cadmium	ND		0.338	"	"	"	"	"	U
Copper	ND		40.9	"	"	"	"	"	U
Lead	15.1		12.5	"	"	"	"	"	
Nickel	ND		23.1	"	"	"	"	"	U
Selenium	0.482		0.231	"	"	"	"	"	
Silver	ND		0.712	"	"	"	"	"	U
Zinc	ND		329	"	"	"	"	"	U

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**BG-11@7.5-10'**

**8/8/2025 9:20:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5H0199-03 (Soil)</b>									
<b>Enthalpy Analytical</b>									
<b>TOTAL METALS BY SW7199</b>									
Chromium, Hexavalent	ND	0.08	0.19	mg/kg	1	BIH0663	08/13/2025	08/19/2025	
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	0.701		0.100	mg/L	1	B5H0843	08/08/2025	08/12/2025	
<b>Metals by Saturated Paste by EPA 6010</b>									
Calcium	18.9		0.499	meq/L	10	[CALC]	08/08/2025	08/12/2025	
Magnesium	12.8		0.823	"	"	"	"	"	
Sodium	2.83		0.435	"	"	"	"	"	
<b>pH in Soil by 9045D</b>									
pH	7.71			pH Units	1	B5H0840	08/08/2025	08/12/2025	
<b>SAR by 20B Saturated Paste</b>									
SAR	0.711		0.0100	SAR	1	B5H0837	08/08/2025	08/12/2025	
<b>Specific Conductance Mod. 9050A</b>									
Specific Conductance (EC)	2.31		0.00500	mmhos/cm	1	B5H0840	08/08/2025	08/12/2025	

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**BG-11@7.5-10'**  
**8/8/2025 9:20:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5H0199-03 (Soil)**  
**Origins Laboratory**

**Table 915 metals by EPA 6020B**

Arsenic	45.6		0.263	mg/kg	10	B5H1117	08/11/2025	08/12/2025	
Barium	145		74.3	"	"	"	"	"	
Cadmium	ND		0.344	"	"	"	"	"	U
Copper	ND		41.7	"	"	"	"	"	U
Lead	ND		12.7	"	"	"	"	"	U
Nickel	ND		23.6	"	"	"	"	"	U
Selenium	1.24		0.236	"	"	"	"	"	
Silver	ND		0.725	"	"	"	"	"	U
Zinc	ND		335	"	"	"	"	"	U

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**BG-11@10-12.5'**

**8/8/2025 9:25:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5H0199-04 (Soil)</b>									
<b>Enthalpy Analytical</b>									
<b>TOTAL METALS BY SW7199</b>									
Chromium, Hexavalent	ND	0.08	0.19	mg/kg	1	BIH0663	08/13/2025	08/19/2025	
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	0.446		0.0995	mg/L	1	B5H0843	08/08/2025	08/12/2025	
<b>Metals by Saturated Paste by EPA 6010</b>									
Calcium	8.89		0.499	meq/L	10	[CALC]	08/08/2025	08/12/2025	
Magnesium	4.96		0.823	"	"	"	"	"	
Sodium	1.93		0.435	"	"	"	"	"	
<b>pH in Soil by 9045D</b>									
pH	8.02			pH Units	1	B5H0840	08/08/2025	08/12/2025	
<b>SAR by 20B Saturated Paste</b>									
SAR	0.733		0.0100	SAR	1	B5H0837	08/08/2025	08/12/2025	
<b>Specific Conductance Mod. 9050A</b>									
Specific Conductance (EC)	1.33		0.00500	mmhos/cm	1	B5H0840	08/08/2025	08/12/2025	

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**BG-11@10-12.5'**  
**8/8/2025 9:25:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5H0199-04 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>Table 915 metals by EPA 6020B</b>									
Arsenic	10.5		0.259	mg/kg	10	B5H1117	08/11/2025	08/12/2025	
Barium	ND		73.1	"	"	"	"	"	U
Cadmium	ND		0.339	"	"	"	"	"	U
Copper	ND		41.0	"	"	"	"	"	U
Lead	13.1		12.5	"	"	"	"	"	
Nickel	ND		23.2	"	"	"	"	"	U
Selenium	ND		0.232	"	"	"	"	"	U
Silver	ND		0.714	"	"	"	"	"	U
Zinc	ND		330	"	"	"	"	"	U

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**BG-11@12.5-15'**

**8/8/2025 9:30:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5H0199-05 (Soil)</b>									
<b>Enthalpy Analytical</b>									
<b>TOTAL METALS BY SW7199</b>									
Chromium, Hexavalent	0.13	0.08	0.20	mg/kg	1	BIH0663	08/13/2025	08/19/2025	J
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	1.02		0.100	mg/L	1	B5H0843	08/08/2025	08/12/2025	
<b>Metals by Saturated Paste by EPA 6010</b>									
Calcium	22.7		0.499	meq/L	10	[CALC]	08/08/2025	08/12/2025	
Magnesium	17.8		0.823	"	"	"	"	"	
Sodium	4.86		0.435	"	"	"	"	"	
<b>pH in Soil by 9045D</b>									
pH	7.89			pH Units	1	B5H0840	08/08/2025	08/12/2025	
<b>SAR by 20B Saturated Paste</b>									
SAR	1.08		0.0100	SAR	1	B5H0837	08/08/2025	08/12/2025	
<b>Specific Conductance Mod. 9050A</b>									
Specific Conductance (EC)	3.06		0.00500	mmhos/cm	1	B5H0840	08/08/2025	08/12/2025	

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**BG-11@12.5-15'**

**8/8/2025 9:30:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5H0199-05 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>Table 915 metals by EPA 6020B</b>									
Arsenic	7.89		0.244	mg/kg	10	B5H1117	08/11/2025	08/12/2025	
Barium	98.7		69.0	"	"	"	"	"	
Cadmium	ND		0.320	"	"	"	"	"	U
Copper	ND		38.7	"	"	"	"	"	U
Lead	ND		11.8	"	"	"	"	"	U
Nickel	ND		21.9	"	"	"	"	"	U
Selenium	0.274		0.219	"	"	"	"	"	
Silver	ND		0.673	"	"	"	"	"	U
Zinc	ND		311	"	"	"	"	"	U

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**BG-11@15-17.5'**

**8/8/2025 9:35:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5H0199-06 (Soil)</b>									
<b>Enthalpy Analytical</b>									
<b>TOTAL METALS BY SW7199</b>									
Chromium, Hexavalent	0.13	0.08	0.20	mg/kg	1	BIH0663	08/13/2025	08/19/2025	J
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	0.905		0.101	mg/L	1	B5H0843	08/08/2025	08/12/2025	
<b>Metals by Saturated Paste by EPA 6010</b>									
Calcium	15.8		0.499	meq/L	10	[CALC]	08/08/2025	08/12/2025	
Magnesium	12.5		0.823	"	"	"	"	"	
Sodium	3.92		0.435	"	"	"	"	"	
<b>pH in Soil by 9045D</b>									
pH	7.90			pH Units	1	B5H0840	08/08/2025	08/12/2025	
<b>SAR by 20B Saturated Paste</b>									
SAR	1.04		0.0100	SAR	1	B5H0837	08/08/2025	08/12/2025	
<b>Specific Conductance Mod. 9050A</b>									
Specific Conductance (EC)	2.27		0.00500	mmhos/cm	1	B5H0840	08/08/2025	08/12/2025	

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**BG-11@15-17.5'**  
**8/8/2025 9:35:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5H0199-06 (Soil)**  
**Origins Laboratory**

**Table 915 metals by EPA 6020B**

Arsenic	7.61		0.251	mg/kg	10	B5H1117	08/11/2025	08/12/2025	
Barium	76.8		71.0	"	"	"	"	"	
Cadmium	ND		0.329	"	"	"	"	"	U
Copper	ND		39.9	"	"	"	"	"	U
Lead	ND		12.1	"	"	"	"	"	U
Nickel	ND		22.5	"	"	"	"	"	U
Selenium	ND		0.225	"	"	"	"	"	U
Silver	ND		0.693	"	"	"	"	"	U
Zinc	ND		321	"	"	"	"	"	U

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**BG-11@17.5-20'**

**8/8/2025 9:40:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5H0199-07 (Soil)</b>									
<b>Enthalpy Analytical</b>									
<b>TOTAL METALS BY SW7199</b>									
Chromium, Hexavalent	0.17	0.08	0.20	mg/kg	1	BIH0663	08/13/2025	08/19/2025	J
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	0.841		0.100	mg/L	1	B5H0843	08/08/2025	08/12/2025	
<b>Metals by Saturated Paste by EPA 6010</b>									
Calcium	13.7		0.499	meq/L	10	[CALC]	08/08/2025	08/12/2025	
Magnesium	10.6		0.823	"	"	"	"	"	
Sodium	3.47		0.435	"	"	"	"	"	
<b>pH in Soil by 9045D</b>									
pH	7.91			pH Units	1	B5H0840	08/08/2025	08/12/2025	
<b>SAR by 20B Saturated Paste</b>									
SAR	0.994		0.0100	SAR	1	B5H0837	08/08/2025	08/12/2025	
<b>Specific Conductance Mod. 9050A</b>									
Specific Conductance (EC)	2.06		0.00500	mmhos/cm	1	B5H0840	08/08/2025	08/12/2025	

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**BG-11@17.5-20'**

**8/8/2025 9:40:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5H0199-07 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>Table 915 metals by EPA 6020B</b>									
Arsenic	10.3		0.251	mg/kg	10	B5H1117	08/11/2025	08/12/2025	
Barium	ND		70.8	"	"	"	"	"	U
Cadmium	ND		0.328	"	"	"	"	"	U
Copper	ND		39.7	"	"	"	"	"	U
Lead	ND		12.1	"	"	"	"	"	U
Nickel	ND		22.5	"	"	"	"	"	U
Selenium	0.330		0.225	"	"	"	"	"	
Silver	ND		0.691	"	"	"	"	"	U
Zinc	ND		320	"	"	"	"	"	U

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**BG-12@2.5-5'**

**8/8/2025 10:00:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5H0199-08 (Soil)</b>									
<b>Enthalpy Analytical</b>									
<b>TOTAL METALS BY SW7199</b>									
Chromium, Hexavalent	0.10	0.08	0.20	mg/kg	1	BIH0663	08/13/2025	08/19/2025	J
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	2.58		0.0997	mg/L	1	B5H0843	08/08/2025	08/12/2025	
<b>Metals by Saturated Paste by EPA 6010</b>									
Calcium	12.5		0.499	meq/L	10	[CALC]	08/08/2025	08/12/2025	
Magnesium	24.9		0.823	"	"	"	"	"	
Sodium	11.0		0.435	"	"	"	"	"	
<b>pH in Soil by 9045D</b>									
pH	8.07			pH Units	1	B5H0840	08/08/2025	08/12/2025	
<b>SAR by 20B Saturated Paste</b>									
SAR	2.55		0.0100	SAR	1	B5H0837	08/08/2025	08/12/2025	
<b>Specific Conductance Mod. 9050A</b>									
Specific Conductance (EC)	3.34		0.00500	mmhos/cm	1	B5H0840	08/08/2025	08/12/2025	

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**BG-12@2.5-5'**  
**8/8/2025 10:00:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5H0199-08 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>Table 915 metals by EPA 6020B</b>									
Arsenic	9.68		0.264	mg/kg	10	B5H1117	08/11/2025	08/12/2025	
Barium	700		74.6	"	"	"	"	"	
Cadmium	ND		0.346	"	"	"	"	"	U
Copper	ND		41.8	"	"	"	"	"	U
Lead	12.9		12.7	"	"	"	"	"	
Nickel	ND		23.6	"	"	"	"	"	U
Selenium	0.313		0.236	"	"	"	"	"	
Silver	ND		0.727	"	"	"	"	"	U
Zinc	ND		336	"	"	"	"	"	U

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**BG-12@5-7.5'**

**8/8/2025 10:05:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5H0199-09 (Soil)</b>									
<b>Enthalpy Analytical</b>									
<b>TOTAL METALS BY SW7199</b>									
Chromium, Hexavalent	ND	0.08	0.21	mg/kg	1	BIH0663	08/13/2025	08/19/2025	
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	1.23		0.0999	mg/L	1	B5H0843	08/08/2025	08/12/2025	
<b>Metals by Saturated Paste by EPA 6010</b>									
Calcium	18.2		0.499	meq/L	10	[CALC]	08/08/2025	08/12/2025	
Magnesium	15.3		0.823	"	"	"	"	"	
Sodium	4.22		0.435	"	"	"	"	"	
<b>pH in Soil by 9045D</b>									
pH	7.98			pH Units	1	B5H0840	08/08/2025	08/12/2025	
<b>SAR by 20B Saturated Paste</b>									
SAR	1.03		0.0100	SAR	1	B5H0837	08/08/2025	08/12/2025	
<b>Specific Conductance Mod. 9050A</b>									
Specific Conductance (EC)	2.52		0.00500	mmhos/cm	1	B5H0840	08/08/2025	08/12/2025	

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**BG-12@5-7.5'**

**8/8/2025 10:05:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5H0199-09 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>Table 915 metals by EPA 6020B</b>									
Arsenic	8.28		0.251	mg/kg	10	B5H1117	08/11/2025	08/12/2025	
Barium	130		71.1	"	"	"	"	"	
Cadmium	ND		0.329	"	"	"	"	"	U
Copper	ND		39.9	"	"	"	"	"	U
Lead	ND		12.1	"	"	"	"	"	U
Nickel	ND		22.5	"	"	"	"	"	U
Selenium	0.410		0.225	"	"	"	"	"	
Silver	ND		0.693	"	"	"	"	"	U
Zinc	ND		321	"	"	"	"	"	U

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**BG-12@7.5-10'**

**8/8/2025 10:10:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5H0199-10 (Soil)</b>									
<b>Enthalpy Analytical</b>									
<b>TOTAL METALS BY SW7199</b>									
Chromium, Hexavalent	ND	0.08	0.19	mg/kg	1	BIH0663	08/13/2025	08/19/2025	
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	0.413		0.0995	mg/L	1	B5H0843	08/08/2025	08/12/2025	
<b>Metals by Saturated Paste by EPA 6010</b>									
Calcium	9.19		0.499	meq/L	10	[CALC]	08/08/2025	08/12/2025	
Magnesium	7.42		0.823	"	"	"	"	"	
Sodium	1.93		0.435	"	"	"	"	"	
<b>pH in Soil by 9045D</b>									
pH	7.95			pH Units	1	B5H0841	08/08/2025	08/12/2025	
<b>SAR by 20B Saturated Paste</b>									
SAR	0.669		0.0100	SAR	1	B5H0838	08/08/2025	08/12/2025	
<b>Specific Conductance Mod. 9050A</b>									
Specific Conductance (EC)	1.42		0.00500	mmhos/cm	1	B5H0841	08/08/2025	08/12/2025	

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**BG-12@7.5-10'**  
**8/8/2025 10:10:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5H0199-10 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>Table 915 metals by EPA 6020B</b>									
Arsenic	4.46		0.257	mg/kg	10	B5H1117	08/11/2025	08/12/2025	
Barium	208		72.5	"	"	"	"	"	
Cadmium	ND		0.336	"	"	"	"	"	U
Copper	ND		40.7	"	"	"	"	"	U
Lead	ND		12.4	"	"	"	"	"	U
Nickel	ND		23.0	"	"	"	"	"	U
Selenium	ND		0.230	"	"	"	"	"	U
Silver	ND		0.708	"	"	"	"	"	U
Zinc	ND		327	"	"	"	"	"	U

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**BG-12@10-12.5'**

**8/8/2025 10:15:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5H0199-11 (Soil)</b>									
<b>Enthalpy Analytical</b>									
<b>TOTAL METALS BY SW7199</b>									
Chromium, Hexavalent	ND	0.08	0.19	mg/kg	1	BIH0663	08/13/2025	08/19/2025	
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	0.355		0.100	mg/L	1	B5H0843	08/08/2025	08/12/2025	
<b>Metals by Saturated Paste by EPA 6010</b>									
Calcium	26.9		0.499	meq/L	10	[CALC]	08/08/2025	08/12/2025	
Magnesium	9.84		0.823	"	"	"	"	"	
Sodium	1.23		0.435	"	"	"	"	"	
<b>pH in Soil by 9045D</b>									
pH	7.91			pH Units	1	B5H0841	08/08/2025	08/12/2025	
<b>SAR by 20B Saturated Paste</b>									
SAR	0.287		0.0100	SAR	1	B5H0838	08/08/2025	08/12/2025	
<b>Specific Conductance Mod. 9050A</b>									
Specific Conductance (EC)	2.48		0.00500	mmhos/cm	1	B5H0841	08/08/2025	08/12/2025	

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**BG-12@10-12.5'**

**8/8/2025 10:15:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5H0199-11 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>Table 915 metals by EPA 6020B</b>									
Arsenic	8.65		0.281	mg/kg	10	B5H1117	08/11/2025	08/12/2025	
Barium	ND		79.6	"	"	"	"	"	U
Cadmium	ND		0.369	"	"	"	"	"	U
Copper	ND		44.7	"	"	"	"	"	U
Lead	ND		13.6	"	"	"	"	"	U
Nickel	ND		25.2	"	"	"	"	"	U
Selenium	ND		0.252	"	"	"	"	"	U
Silver	ND		0.777	"	"	"	"	"	U
Zinc	ND		359	"	"	"	"	"	U

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**BG-12@12.5-15'**  
**8/8/2025 10:20:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5H0199-12 (Soil)</b>									
<b>Enthalpy Analytical</b>									
<b>TOTAL METALS BY SW7199</b>									
Chromium, Hexavalent	0.15	0.08	0.20	mg/kg	1	BIH0663	08/13/2025	08/19/2025	J
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	0.831		0.0994	mg/L	1	B5H0843	08/08/2025	08/12/2025	
<b>Metals by Saturated Paste by EPA 6010</b>									
Calcium	23.1		0.499	meq/L	10	[CALC]	08/08/2025	08/12/2025	
Magnesium	14.7		0.823	"	"	"	"	"	
Sodium	3.88		0.435	"	"	"	"	"	
<b>pH in Soil by 9045D</b>									
pH	7.88			pH Units	1	B5H0841	08/08/2025	08/12/2025	
<b>SAR by 20B Saturated Paste</b>									
SAR	0.894		0.0100	SAR	1	B5H0838	08/08/2025	08/12/2025	
<b>Specific Conductance Mod. 9050A</b>									
Specific Conductance (EC)	2.83		0.00500	mmhos/cm	1	B5H0841	08/08/2025	08/12/2025	

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 Project: KMG - McKinstry 28N 21N 7C 2N OSA

**BG-12@12.5-15'**  
**8/8/2025 10:20:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5H0199-12 (Soil)**  
**Origins Laboratory**

**Table 915 metals by EPA 6020B**

Arsenic	9.48		0.286	mg/kg	10	B5H1117	08/11/2025	08/12/2025	
Barium	ND		80.8	"	"	"	"	"	U
Cadmium	ND		0.375	"	"	"	"	"	U
Copper	ND		45.3	"	"	"	"	"	U
Lead	ND		13.8	"	"	"	"	"	U
Nickel	ND		25.6	"	"	"	"	"	U
Selenium	0.281		0.256	"	"	"	"	"	
Silver	ND		0.789	"	"	"	"	"	U
Zinc	ND		365	"	"	"	"	"	U

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**BG-12@15-17.5'**  
**8/8/2025 10:25:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5H0199-13 (Soil)</b>									
<b>Enthalpy Analytical</b>									
<b>TOTAL METALS BY SW7199</b>									
Chromium, Hexavalent	0.12	0.08	0.20	mg/kg	1	BIH0743	08/14/2025	08/19/2025	J
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	0.555		0.0998	mg/L	1	B5H0843	08/08/2025	08/12/2025	
<b>Metals by Saturated Paste by EPA 6010</b>									
Calcium	17.3		0.499	meq/L	10	[CALC]	08/08/2025	08/12/2025	
Magnesium	12.3		0.823	"	"	"	"	"	
Sodium	3.55		0.435	"	"	"	"	"	
<b>pH in Soil by 9045D</b>									
pH	7.67			pH Units	1	B5H0841	08/08/2025	08/12/2025	
<b>SAR by 20B Saturated Paste</b>									
SAR	0.922		0.0100	SAR	1	B5H0838	08/08/2025	08/12/2025	
<b>Specific Conductance Mod. 9050A</b>									
Specific Conductance (EC)	2.34		0.00500	mmhos/cm	1	B5H0841	08/08/2025	08/12/2025	

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**BG-12@15-17.5'**  
**8/8/2025 10:25:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5H0199-13 (Soil)**  
**Origins Laboratory**

**Table 915 metals by EPA 6020B**

Arsenic	5.96		0.268	mg/kg	10	B5H1117	08/11/2025	08/12/2025	
Barium	ND		75.9	"	"	"	"	"	U
Cadmium	ND		0.352	"	"	"	"	"	U
Copper	ND		42.6	"	"	"	"	"	U
Lead	ND		13.0	"	"	"	"	"	U
Nickel	ND		24.1	"	"	"	"	"	U
Selenium	ND		0.241	"	"	"	"	"	U
Silver	ND		0.741	"	"	"	"	"	U
Zinc	ND		343	"	"	"	"	"	U

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**BG-12@17.5-20'**  
**8/8/2025 10:30:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5H0199-14 (Soil)</b>									
<b>Enthalpy Analytical</b>									
<b>TOTAL METALS BY SW7199</b>									
Chromium, Hexavalent	0.14	0.08	0.19	mg/kg	1	BIH0743	08/14/2025	08/19/2025	J
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	0.481		0.0997	mg/L	1	B5H0843	08/08/2025	08/12/2025	
<b>Metals by Saturated Paste by EPA 6010</b>									
Calcium	8.33		0.499	meq/L	10	[CALC]	08/08/2025	08/12/2025	
Magnesium	6.68		0.823	"	"	"	"	"	
Sodium	2.75		0.435	"	"	"	"	"	
<b>pH in Soil by 9045D</b>									
pH	7.99			pH Units	1	B5H0841	08/08/2025	08/12/2025	
<b>SAR by 20B Saturated Paste</b>									
SAR	1.01		0.0100	SAR	1	B5H0838	08/08/2025	08/12/2025	
<b>Specific Conductance Mod. 9050A</b>									
Specific Conductance (EC)	1.51		0.00500	mmhos/cm	1	B5H0841	08/08/2025	08/12/2025	

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**BG-12@17.5-20'**  
**8/8/2025 10:30:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5H0199-14 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>Table 915 metals by EPA 6020B</b>									
Arsenic	6.67		0.283	mg/kg	10	B5H1117	08/11/2025	08/12/2025	
Barium	ND		79.9	"	"	"	"	"	U
Cadmium	ND		0.370	"	"	"	"	"	U
Copper	ND		44.8	"	"	"	"	"	U
Lead	ND		13.6	"	"	"	"	"	U
Nickel	ND		25.3	"	"	"	"	"	U
Selenium	ND		0.253	"	"	"	"	"	U
Silver	ND		0.780	"	"	"	"	"	U
Zinc	ND		361	"	"	"	"	"	U

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**BG-13@2.5-5'**

**8/8/2025 10:50:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5H0199-15 (Soil)</b>									
<b>Enthalpy Analytical</b>									
<b>TOTAL METALS BY SW7199</b>									
Chromium, Hexavalent	0.16	0.08	0.19	mg/kg	1	BIH0743	08/14/2025	08/19/2025	J
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	0.457		0.0998	mg/L	1	B5H0843	08/08/2025	08/12/2025	
<b>Metals by Saturated Paste by EPA 6010</b>									
Calcium	11.2		0.499	meq/L	10	[CALC]	08/08/2025	08/12/2025	
Magnesium	10.2		0.823	"	"	"	"	"	
Sodium	5.93		0.435	"	"	"	"	"	
<b>pH in Soil by 9045D</b>									
pH	7.98			pH Units	1	B5H0841	08/08/2025	08/12/2025	
<b>SAR by 20B Saturated Paste</b>									
SAR	1.82		0.0100	SAR	1	B5H0838	08/08/2025	08/12/2025	
<b>Specific Conductance Mod. 9050A</b>									
Specific Conductance (EC)	2.05		0.00500	mmhos/cm	1	B5H0841	08/08/2025	08/12/2025	

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**BG-13@2.5-5'**

**8/8/2025 10:50:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5H0199-15 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>Table 915 metals by EPA 6020B</b>									
Arsenic	8.12		0.259	mg/kg	10	B5H1117	08/11/2025	08/12/2025	
Barium	182		73.2	"	"	"	"	"	
Cadmium	ND		0.339	"	"	"	"	"	U
Copper	ND		41.1	"	"	"	"	"	U
Lead	15.8		12.5	"	"	"	"	"	
Nickel	ND		23.2	"	"	"	"	"	U
Selenium	0.417		0.232	"	"	"	"	"	
Silver	ND		0.714	"	"	"	"	"	U
Zinc	ND		330	"	"	"	"	"	U

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**BG-13@5-7.5'**

**8/8/2025 10:55:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5H0199-16 (Soil)</b>									
<b>Enthalpy Analytical</b>									
<b>TOTAL METALS BY SW7199</b>									
Chromium, Hexavalent	ND	0.08	0.20	mg/kg	1	BIH0743	08/14/2025	08/19/2025	
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	0.681		0.0997	mg/L	1	B5H0844	08/08/2025	08/12/2025	
<b>Metals by Saturated Paste by EPA 6010</b>									
Calcium	15.0		0.499	meq/L	10	[CALC]	08/08/2025	08/12/2025	
Magnesium	10.4		0.823	"	"	"	"	"	
Sodium	2.51		0.435	"	"	"	"	"	
<b>pH in Soil by 9045D</b>									
pH	7.82			pH Units	1	B5H0841	08/08/2025	08/12/2025	
<b>SAR by 20B Saturated Paste</b>									
SAR	0.703		0.0100	SAR	1	B5H0838	08/08/2025	08/12/2025	
<b>Specific Conductance Mod. 9050A</b>									
Specific Conductance (EC)	1.97		0.00500	mmhos/cm	1	B5H0841	08/08/2025	08/12/2025	

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**BG-13@5-7.5'**

**8/8/2025 10:55:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5H0199-16 (Soil)**  
**Origins Laboratory**

**Table 915 metals by EPA 6020B**

Arsenic	5.76		0.250	mg/kg	10	B5H1117	08/11/2025	08/12/2025	
Barium	126		70.7	"	"	"	"	"	
Cadmium	ND		0.328	"	"	"	"	"	U
Copper	ND		39.6	"	"	"	"	"	U
Lead	ND		12.1	"	"	"	"	"	U
Nickel	ND		22.4	"	"	"	"	"	U
Selenium	ND		0.224	"	"	"	"	"	U
Silver	ND		0.690	"	"	"	"	"	U
Zinc	ND		319	"	"	"	"	"	U

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**BG-13@7.5-10'**

**8/8/2025 11:00:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5H0199-17 (Soil)</b>									
<b>Enthalpy Analytical</b>									
<b>TOTAL METALS BY SW7199</b>									
Chromium, Hexavalent	ND	0.08	0.20	mg/kg	1	BIH0743	08/14/2025	08/19/2025	
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	0.431		0.100	mg/L	1	B5H0844	08/08/2025	08/12/2025	
<b>Metals by Saturated Paste by EPA 6010</b>									
Calcium	2.57		0.499	meq/L	10	[CALC]	08/08/2025	08/12/2025	
Magnesium	2.36		0.823	"	"	"	"	"	
Sodium	1.15		0.435	"	"	"	"	"	
<b>pH in Soil by 9045D</b>									
pH	8.13			pH Units	1	B5H0841	08/08/2025	08/12/2025	
<b>SAR by 20B Saturated Paste</b>									
SAR	0.731		0.0100	SAR	1	B5H0838	08/08/2025	08/12/2025	
<b>Specific Conductance Mod. 9050A</b>									
Specific Conductance (EC)	0.564		0.00500	mmhos/cm	1	B5H0841	08/08/2025	08/12/2025	

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**BG-13@7.5-10'**  
**8/8/2025 11:00:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5H0199-17 (Soil)**  
**Origins Laboratory**

**Table 915 metals by EPA 6020B**

Arsenic	5.22		0.262	mg/kg	10	B5H1117	08/11/2025	08/12/2025	
Barium	114		74.2	"	"	"	"	"	
Cadmium	ND		0.344	"	"	"	"	"	U
Copper	ND		41.6	"	"	"	"	"	U
Lead	ND		12.7	"	"	"	"	"	U
Nickel	ND		23.5	"	"	"	"	"	U
Selenium	ND		0.235	"	"	"	"	"	U
Silver	ND		0.724	"	"	"	"	"	U
Zinc	ND		335	"	"	"	"	"	U

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**BG-13@10-12.5'**

**8/8/2025 11:05:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5H0199-18 (Soil)</b>									
<b>Enthalpy Analytical</b>									
<b>TOTAL METALS BY SW7199</b>									
Chromium, Hexavalent	ND	0.08	0.20	mg/kg	1	BIH0743	08/14/2025	08/19/2025	
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	0.476		0.100	mg/L	1	B5H0844	08/08/2025	08/12/2025	
<b>Metals by Saturated Paste by EPA 6010</b>									
Calcium	1.14		0.499	meq/L	10	[CALC]	08/08/2025	08/12/2025	
Magnesium	1.21		0.823	"	"	"	"	"	
Sodium	0.915		0.435	"	"	"	"	"	
<b>pH in Soil by 9045D</b>									
pH	8.40			pH Units	1	B5H0841	08/08/2025	08/12/2025	
<b>SAR by 20B Saturated Paste</b>									
SAR	0.844		0.0100	SAR	1	B5H0838	08/08/2025	08/12/2025	
<b>Specific Conductance Mod. 9050A</b>									
Specific Conductance (EC)	0.338		0.00500	mmhos/cm	1	B5H0841	08/08/2025	08/12/2025	

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**BG-13@10-12.5'**  
**8/8/2025 11:05:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5H0199-18 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>Table 915 metals by EPA 6020B</b>									
Arsenic	8.01		0.265	mg/kg	10	B5H1117	08/11/2025	08/12/2025	
Barium	ND		75.1	"	"	"	"	"	U
Cadmium	ND		0.348	"	"	"	"	"	U
Copper	ND		42.1	"	"	"	"	"	U
Lead	ND		12.8	"	"	"	"	"	U
Nickel	ND		23.8	"	"	"	"	"	U
Selenium	ND		0.238	"	"	"	"	"	U
Silver	ND		0.732	"	"	"	"	"	U
Zinc	ND		339	"	"	"	"	"	U

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**BG-13@12.5-15'**

**8/8/2025 11:10:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5H0199-19 (Soil)</b>									
<b>Enthalpy Analytical</b>									
<b>TOTAL METALS BY SW7199</b>									
Chromium, Hexavalent	0.10	0.08	0.20	mg/kg	1	BIH0743	08/14/2025	08/19/2025	J
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	0.897		0.0998	mg/L	1	B5H0844	08/08/2025	08/12/2025	
<b>Metals by Saturated Paste by EPA 6010</b>									
Calcium	6.83		0.499	meq/L	10	[CALC]	08/08/2025	08/12/2025	
Magnesium	6.88		0.823	"	"	"	"	"	
Sodium	3.14		0.435	"	"	"	"	"	
<b>pH in Soil by 9045D</b>									
pH	8.13			pH Units	1	B5H0841	08/08/2025	08/12/2025	
<b>SAR by 20B Saturated Paste</b>									
SAR	1.20		0.0100	SAR	1	B5H0838	08/08/2025	08/12/2025	
<b>Specific Conductance Mod. 9050A</b>									
Specific Conductance (EC)	1.45		0.00500	mmhos/cm	1	B5H0841	08/08/2025	08/12/2025	

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**BG-13@12.5-15'**  
**8/8/2025 11:10:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5H0199-19 (Soil)**  
**Origins Laboratory**

**Table 915 metals by EPA 6020B**

Arsenic	7.51		0.265	mg/kg	10	B5H1117	08/11/2025	08/12/2025	
Barium	108		74.9	"	"	"	"	"	
Cadmium	ND		0.347	"	"	"	"	"	U
Copper	ND		42.0	"	"	"	"	"	U
Lead	ND		12.8	"	"	"	"	"	U
Nickel	ND		23.8	"	"	"	"	"	U
Selenium	ND		0.238	"	"	"	"	"	U
Silver	ND		0.731	"	"	"	"	"	U
Zinc	ND		338	"	"	"	"	"	U

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**BG-13@15-17.5'**

**8/8/2025 11:15:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5H0199-20 (Soil)</b>									
<b>Enthalpy Analytical</b>									
<b>TOTAL METALS BY SW7199</b>									
Chromium, Hexavalent	0.10	0.08	0.20	mg/kg	1	BIH0743	08/14/2025	08/19/2025	J
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	0.656		0.100	mg/L	1	B5H0844	08/08/2025	08/12/2025	
<b>Metals by Saturated Paste by EPA 6010</b>									
Calcium	5.51		0.499	meq/L	10	[CALC]	08/08/2025	08/12/2025	
Magnesium	5.43		0.823	"	"	"	"	"	
Sodium	2.76		0.435	"	"	"	"	"	
<b>pH in Soil by 9045D</b>									
pH	8.17			pH Units	1	B5H0841	08/08/2025	08/12/2025	
<b>SAR by 20B Saturated Paste</b>									
SAR	1.18		0.0100	SAR	1	B5H0838	08/08/2025	08/12/2025	
<b>Specific Conductance Mod. 9050A</b>									
Specific Conductance (EC)	1.18		0.00500	mmhos/cm	1	B5H0841	08/08/2025	08/12/2025	

Origins Laboratory

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 8000 W 44th Ave  
 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: [none]  
 Project: KMG - McKinstry 28N 21N 7C 2N OSA

**BG-13@15-17.5'**  
**8/8/2025 11:15:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5H0199-20 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>Table 915 metals by EPA 6020B</b>									
Arsenic	7.09		0.284	mg/kg	10	B5H1117	08/11/2025	08/12/2025	
Barium	ND		80.4	"	"	"	"	"	U
Cadmium	ND		0.373	"	"	"	"	"	U
Copper	ND		45.1	"	"	"	"	"	U
Lead	ND		13.7	"	"	"	"	"	U
Nickel	ND		25.5	"	"	"	"	"	U
Selenium	ND		0.255	"	"	"	"	"	U
Silver	ND		0.784	"	"	"	"	"	U
Zinc	ND		363	"	"	"	"	"	U

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Dan Coloccia  
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 Project: KMG - McKinstry 28N 21N 7C 2N OSA

**BG-13@17.5-20'**

**8/8/2025 11:20:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5H0199-21 (Soil)</b>									
<b>Enthalpy Analytical</b>									
<b>TOTAL METALS BY SW7199</b>									
Chromium, Hexavalent	0.14	0.08	0.20	mg/kg	1	BIH0743	08/14/2025	08/19/2025	J
<b>Origins Laboratory</b>									
<b>Boron (DTPA Sorbitol)</b>									
Boron	0.562		0.100	mg/L	1	B5H0844	08/08/2025	08/12/2025	
<b>Metals by Saturated Paste by EPA 6010</b>									
Calcium	3.21		0.499	meq/L	10	[CALC]	08/08/2025	08/12/2025	
Magnesium	3.24		0.823	"	"	"	"	"	
Sodium	2.04		0.435	"	"	"	"	"	
<b>pH in Soil by 9045D</b>									
pH	8.26			pH Units	1	B5H0841	08/08/2025	08/12/2025	
<b>SAR by 20B Saturated Paste</b>									
SAR	1.13		0.0100	SAR	1	B5H0838	08/08/2025	08/12/2025	
<b>Specific Conductance Mod. 9050A</b>									
Specific Conductance (EC)	0.820		0.00500	mmhos/cm	1	B5H0841	08/08/2025	08/12/2025	

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 Project Number: [none]  
 Project: KMG - McKinstry 28N 21N 7C 2N OSA

**BG-13@17.5-20'**  
**8/8/2025 11:20:00AM**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
<b>E5H0199-21 (Soil)</b>									
<b>Origins Laboratory</b>									
<b>Table 915 metals by EPA 6020B</b>									
Arsenic	7.17		0.262	mg/kg	10	B5H1114	08/11/2025	08/12/2025	
Barium	ND		74.1	"	"	"	"	"	U
Cadmium	ND		0.343	"	"	"	"	"	U
Copper	ND		41.6	"	"	"	"	"	U
Lead	ND		12.7	"	"	"	"	"	U
Nickel	ND		23.5	"	"	"	"	"	U
Selenium	ND		0.235	"	"	"	"	"	U
Silver	ND		0.723	"	"	"	"	"	U
Zinc	ND		334	"	"	"	"	"	U

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Dan Coloccia  
 Project Number: [none]  
 Project: KMG - McKinstry 28N 21N 7C 2N OSA

**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 B5H0837 - Saturated Paste Metals**

**Blank (B5H0837-BLK1)**

Prepared: 08/08/2025 Analyzed: 08/12/2025

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

**Duplicate (B5H0837-DUP1)**

Source: E5H0179-01

Prepared: 08/08/2025 Analyzed: 08/12/2025

Calcium PPM	5.28	10.0	mg/L		6.56			21.6	50	U
SAR	ND	0.0100	SAR		6.57				200	U
Magnesium PPM	0.960	10.0	mg/L		1.11			14.5	50	U
Sodium PPM	64.6	10.0	"		69.1			6.73	50	

**Batch B5H0838 - Saturated Paste Metals**

**Blank (B5H0838-BLK1)**

Prepared: 08/08/2025 Analyzed: 08/12/2025

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

**Duplicate (B5H0838-DUP1)**

Source: E5H0194-01

Prepared: 08/08/2025 Analyzed: 08/12/2025

SAR	ND	0.0100	SAR		5.03				200	U
Calcium PPM	48.7	10.0	mg/L		31.9			41.8	50	
Magnesium PPM	10.7	10.0	"		5.16			69.9	50	QR-DUP
Sodium PPM	133	10.0	"		116			13.7	50	

**Batch B5H0843 - DTPA Sorbitol Preparation**

**Blank (B5H0843-BLK1)**

Prepared: 08/08/2025 Analyzed: 08/12/2025

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Dan Coloccia  
 Project Number: [none]  
 Project: KMG - McKinstry 28N 21N 7C 2N OSA

**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 B5H0843 - DTPA Sorbitol Preparation**

**Blank (B5H0843-BLK1)**

Prepared: 08/08/2025 Analyzed: 08/12/2025

Boron ND 0.100 mg/L U

**Duplicate (B5H0843-DUP1)**

Source: E5H0198-01

Prepared: 08/08/2025 Analyzed: 08/12/2025

Boron 0.0224 0.0999 mg/L 0.0267 17.8 50 U

**Batch B5H0844 - DTPA Sorbitol Preparation**

**Blank (B5H0844-BLK1)**

Prepared: 08/08/2025 Analyzed: 08/12/2025

Boron ND 0.100 mg/L U

**Duplicate (B5H0844-DUP1)**

Source: E5H0197-01

Prepared: 08/08/2025 Analyzed: 08/12/2025

Boron 1.10 0.0999 mg/L 1.07 2.01 50

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Dan Coloccia  
 Project Number: [none]  
 Project: KMG - McKinstry 28N 21N 7C 2N OSA

**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 B5H1114 - EPA 3050B**

Prepared: 08/11/2025 Analyzed: 08/12/2025

**Blank (B5H1114-BLK1)**

Arsenic	ND	0.266	mg/kg							U
Barium	ND	75.1	"							U
Cadmium	ND	0.348	"							U
Copper	ND	42.1	"							U
Lead	ND	12.8	"							U
Nickel	ND	23.8	"							U
Selenium	ND	0.238	"							U
Silver	ND	0.733	"							U
Zinc	ND	339	"							U

**LCS (B5H1114-BS1)**

Prepared: 08/11/2025 Analyzed: 08/12/2025

Arsenic	5.22	0.275	mg/kg	4.73		110	80-120			
Barium	489	77.6	"	473		103	80-120			
Cadmium	5.34	0.360	"	4.73		113	80-120			
Copper	50.0	43.5	"	47.3		106	80-120			
Lead	4.79	13.3	"	4.73		101	80-120			U
Nickel	5.24	24.6	"	4.73		111	80-120			U
Selenium	5.25	0.246	"	4.73		111	80-120			
Silver	5.24	0.757	"	4.73		111	80-120			
Zinc	52.1	350	"	47.3		110	80-120			U

**Matrix Spike (B5H1114-MS1)**

Source: E5H0178-01

Prepared: 08/11/2025 Analyzed: 08/13/2025

Arsenic	9.15	0.251	mg/kg	4.33	5.25	90.2	75-125			
Barium	538	71.0	"	433	126	95.1	75-125			
Cadmium	4.99	0.329	"	4.33	0.251	110	75-125			
Copper	55.1	39.8	"	43.3	11.9	99.9	75-125			
Lead	15.1	12.1	"	4.33	11.1	93.8	75-125			

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 Project Number: [none]  
 Project: KMG - McKinstry 28N 21N 7C 2N OSA

**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 B5H1114 - EPA 3050B**

**Matrix Spike (B5H1114-MS1)**

Source: E5H0178-01

Prepared: 08/11/2025 Analyzed: 08/13/2025

Nickel	16.7	22.5	mg/kg	4.33	12.7	92.2	75-125			U
Selenium	4.75	0.225	"	4.33	0.194	105	75-125			
Silver	4.50	0.692	"	4.33	0.0377	103	75-125			
Zinc	95.8	320	"	43.3	53.7	97.3	75-125			U

**Matrix Spike Dup (B5H1114-MSD1)**

Source: E5H0178-01

Prepared: 08/11/2025 Analyzed: 08/13/2025

Arsenic	9.38	0.249	mg/kg	4.29	5.25	96.3	75-125	2.45	20	
Barium	538	70.4	"	429	126	95.9	75-125	0.0276	20	
Cadmium	5.04	0.326	"	4.29	0.251	112	75-125	0.890	20	
Copper	59.3	39.5	"	42.9	11.9	111	75-125	7.36	20	
Lead	14.9	12.0	"	4.29	11.1	90.3	75-125	1.23	20	
Nickel	17.3	22.3	"	4.29	12.7	105	75-125	3.10	20	U
Selenium	4.73	0.223	"	4.29	0.194	106	75-125	0.280	20	
Silver	4.47	0.686	"	4.29	0.0377	103	75-125	0.554	20	
Zinc	98.7	317	"	42.9	53.7	105	75-125	3.07	20	U

**Batch B5H1117 - EPA 3050B**

**Blank (B5H1117-BLK1)**

Prepared: 08/11/2025 Analyzed: 08/12/2025

Arsenic	ND	0.268	mg/kg							U
Barium	ND	75.7	"							U
Cadmium	ND	0.351	"							U
Copper	ND	42.5	"							U
Lead	ND	12.9	"							U
Nickel	ND	24.0	"							U
Selenium	ND	0.240	"							U
Silver	ND	0.739	"							U

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 Wheat Ridge CO 80033

Dan Coloccia  
 Project Number: [none]  
 Project: KMG - McKinstry 28N 21N 7C 2N OSA

**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 B5H1117 - EPA 3050B**

**Blank (B5H1117-BLK1)**

Prepared: 08/11/2025 Analyzed: 08/12/2025

Zinc	ND	342	mg/kg							U
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**LCS (B5H1117-BS1)**

Prepared: 08/11/2025 Analyzed: 08/12/2025

Arsenic	5.41	0.272	mg/kg	4.69		115	80-120			
Barium	504	76.9	"	469		108	80-120			
Cadmium	5.52	0.357	"	4.69		118	80-120			
Copper	53.3	43.2	"	46.9		114	80-120			
Lead	5.30	13.1	"	4.69		113	80-120			U
Nickel	5.62	24.4	"	4.69		120	80-120			U
Selenium	5.62	0.244	"	4.69		120	80-120			
Silver	5.47	0.751	"	4.69		117	80-120			
Zinc	54.2	347	"	46.9		116	80-120			U

**Matrix Spike (B5H1117-MS1)**

**Source: E5H0199-01**

Prepared: 08/11/2025 Analyzed: 08/12/2025

Arsenic	12.2	0.283	mg/kg	4.88	6.52	117	75-125			
Barium	727	80.0	"	488	122	124	75-125			
Cadmium	6.02	0.371	"	4.88	0.162	120	75-125			
Copper	60.3	44.9	"	48.8	9.21	105	75-125			
Lead	14.6	13.7	"	4.88	8.72	120	75-125			
Nickel	18.2	25.4	"	4.88	12.0	128	75-125			QM-07, U
Selenium	5.70	0.254	"	4.88	0.267	111	75-125			
Silver	5.73	0.781	"	4.88	0.0243	117	75-125			
Zinc	98.2	361	"	48.8	42.7	114	75-125			U

**Matrix Spike Dup (B5H1117-MSD1)**

**Source: E5H0199-01**

Prepared: 08/11/2025 Analyzed: 08/12/2025

Arsenic	11.9	0.283	mg/kg	4.87	6.52	111	75-125	2.44	20	
Barium	704	79.9	"	487	122	119	75-125	3.24	20	

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Dan Coloccia  
 Project Number: [none]  
 Project: KMG - McKinstry 28N 21N 7C 2N OSA

**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 B5H1117 - EPA 3050B

Matrix Spike Dup (B5H1117-MSD1)

Source: E5H0199-01

Prepared: 08/11/2025 Analyzed: 08/12/2025

Cadmium	5.72	0.370	mg/kg	4.87	0.162	114	75-125	5.09	20	
Copper	59.7	44.8	"	48.7	9.21	104	75-125	1.13	20	
Lead	13.7	13.6	"	4.87	8.72	103	75-125	5.87	20	
Nickel	17.5	25.3	"	4.87	12.0	114	75-125	3.89	20	U
Selenium	5.18	0.253	"	4.87	0.267	101	75-125	9.58	20	
Silver	5.43	0.779	"	4.87	0.0243	111	75-125	5.29	20	
Zinc	94.6	360	"	48.7	42.7	107	75-125	3.69	20	U

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 Project: KMG - McKinstry 28N 21N 7C 2N OSA

**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 B5H0840 - Saturated Paste pH/EC**

**Blank (B5H0840-BLK1)**

Prepared: 08/08/2025 Analyzed: 08/12/2025

Specific Conductance (EC) ND 0.00500 mmhos/cm U

**Duplicate (B5H0840-DUP1)**

**Source: E5H0179-01**

Prepared: 08/08/2025 Analyzed: 08/12/2025

Specific Conductance (EC) 0.336 0.00500 mmhos/cm 0.345 2.82 25

pH 8.76 pH Units 8.73 0.343 25

**Batch B5H0841 - Saturated Paste pH/EC**

**Blank (B5H0841-BLK1)**

Prepared: 08/08/2025 Analyzed: 08/12/2025

Specific Conductance (EC) ND 0.00500 mmhos/cm U

**Duplicate (B5H0841-DUP1)**

**Source: E5H0194-01**

Prepared: 08/08/2025 Analyzed: 08/12/2025

pH 8.62 pH Units 9.10 5.42 25

Specific Conductance (EC) 1.12 0.00500 mmhos/cm 0.993 12.0 25

Origins Laboratory

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Dan Coloccia  
 Project Number: [none]  
 Project: KMG - McKinstry 28N 21N 7C 2N OSA

**TOTAL METALS BY SW7199 - Quality Control**  
**Enthalpy Analytical**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch BIH0743 - No Prep IC-WET**

**Blank (BIH0743-BLK1)**

Prepared: 08/14/2025 Analyzed: 08/19/2025

Chromium, Hexavalent

ND 0.005 mg/kg

**LCS (BIH0743-BS1)**

Prepared: 08/14/2025 Analyzed: 08/19/2025

Chromium, Hexavalent

0.05 0.005 mg/kg 0.0500

108 80-120

**LCS (BIH0743-BS2)**

Prepared: 08/14/2025 Analyzed: 08/19/2025

Chromium, Hexavalent

8.41 1.00 mg/kg 8.56

98.3 80-120

**Matrix Spike (BIH0743-MS1)**

**Source: 25H0900-04**

Prepared: 08/14/2025 Analyzed: 08/20/2025

Chromium, Hexavalent

2.27 0.20 mg/kg 2.03

ND 112 75-125

**Matrix Spike Dup (BIH0743-MSD1)**

**Source: 25H0900-04**

Prepared: 08/14/2025 Analyzed: 08/20/2025

Chromium, Hexavalent

2.23 0.20 mg/kg 2.02

ND 110 75-125 2.10 20

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 8000 W 44th Ave  
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Dan Coloccia  
 Project Number: [none]  
 Project: KMG - McKinstry 28N 21N 7C 2N OSA

**TOTAL METALS BY SW7199 - Quality Control**  
**Enthalpy Analytical**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch BIH0663 - No Prep IC-WET**

**Blank (BIH0663-BLK1)**

Prepared: 08/13/2025 Analyzed: 08/19/2025

Chromium, Hexavalent

ND 0.005 mg/kg

**LCS (BIH0663-BS1)**

Prepared: 08/13/2025 Analyzed: 08/19/2025

Chromium, Hexavalent

0.05 0.005 mg/kg 0.0500

102 80-120

**LCS (BIH0663-BS2)**

Prepared: 08/13/2025 Analyzed: 08/19/2025

Chromium, Hexavalent

8.80 1.00 mg/kg 8.40

105 80-120

**Matrix Spike (BIH0663-MS1)**

Source: 25H0884-06

Prepared: 08/13/2025 Analyzed: 08/19/2025

Chromium, Hexavalent

2.16 0.20 mg/kg 1.99

ND 109 75-125

**Matrix Spike Dup (BIH0663-MSD1)**

Source: 25H0884-06

Prepared: 08/13/2025 Analyzed: 08/19/2025

Chromium, Hexavalent

2.13 0.20 mg/kg 2.01

ND 106 75-125 1.30 20

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Wheat Ridge CO 80033

Dan Coloccia  
Project Number: [none]  
Project: KMG - McKinstry 28N 21N 7C 2N OSA

**Notes and Definitions**

U Sample is Non-Detect.

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

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

J The reported result is an estimated value.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

Origins Laboratory

*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.*