



Eagle Environmental Consulting, LLC

April 01, 2025

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - Raymond V Sarchet Unit B2 Project Number - [none]

Attached are your analytical results for KMG - Raymond V Sarchet Unit B2 received by Origins Laboratory March 06, 2025. This project is associated with Origins project number E5C0228-01.

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 - Raymond V Sarchet Unit B2

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-B01@6'	E5C0228-01	Soil	March 6, 2025 9:40	03/06/2025 17:37
WH-RIS@4'	E5C0228-02	Soil	March 6, 2025 9:45	03/06/2025 17:37
WH-S01@5'	E5C0228-03	Soil	March 6, 2025 9:51	03/06/2025 17:37
WH-W01@5'	E5C0228-04	Soil	March 6, 2025 9:53	03/06/2025 17:37
SEP-RIS@4'	E5C0228-05	Soil	March 6, 2025 10:55	03/06/2025 17:37
WH-BG01@3'	E5C0228-06	Soil	March 6, 2025 11:36	03/06/2025 17:37
WH-BG01@6'	E5C0228-07	Soil	March 6, 2025 11:38	03/06/2025 17:37
WH-BG02@3'	E5C0228-08	Soil	March 6, 2025 11:40	03/06/2025 17:37
WH-BG02@6'	E5C0228-09	Soil	March 6, 2025 11:42	03/06/2025 17:37
WH-BG03@3'	E5C0228-10	Soil	March 6, 2025 11:44	03/06/2025 17:37
WH-BG03@6'	E5C0228-11	Soil	March 6, 2025 11:46	03/06/2025 17:37
WH-BG04@3'	E5C0228-12	Soil	March 6, 2025 11:48	03/06/2025 17:37
WH-BG04@6'	E5C0228-13	Soil	March 6, 2025 11:50	03/06/2025 17:37

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 - Raymond V Sarchet Unit B2

ORIGINS
LABORATORY

ESC0208

Page 1 of 2


Client: EMMA HEATHER-SOUDERS (ENV)
 Address: 1001 W 44th Ave, Wheat Ridge, CO 80033
 Telephone Number: 303-433-0979
 Email Address: coloccia@eagle-ec.com

Project Manager: D. Coloccia
 Project Name: Raymond V Sarchet Unit B2
 Project Number: [none]
 Collected By: CM
 Invoice Billing Info: Initial (ENV)
 Lab/Field: Lab

Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix Preservative	Analysis					Comments
					Asst	Table	SW	PAH	PCBs	
WH-801066	5-6-25	9:40	3	NOF	X					
WH-855094		9:45								
WH-501051		9:51								
WH-100051		9:53								
SEI-655094		10:55								
WH-8601031		11:38	2		X	X	X	X		
WH-8601066		11:38								
WH-8601031		11:40								
WH-8601066		11:42								
WH-8601031		11:44								

Temp Received: 19
 Received On Ice? Yes No
 Turnaround Time: SAME DAY 24 Hr Standard

Relinquished By: [Signature] Date: 5-6-25 Time: 11:51
 Received By: [Signature] Date: 3/6/25 Time: 17:37

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 - Raymond V Sarchet Unit B2


ORIGINS
 LABORATORY
F5C0228

Page 2 of 2

Client: State of Colorado (NY)
 Address: 1001 W 44th Ave, Wheat Ridge, CO 80033
 Project Manager: D. Coloccia
 Project Name: Raymond V Sarchet Unit B 2
 Project Number: 1
 Telephone Number: 303-433-1979
 Email Address: coloccia@eagle-ec.com
 Collected By: CM
 Invoice/Billing Info: Initial (NY)
 Project Number: 1
 Project Name: Raymond V Sarchet Unit B 2
 Project Manager: D. Coloccia
 Project Number: 1
 Project Name: Raymond V Sarchet Unit B 2
 Project Manager: D. Coloccia

Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix Preservative	Analysis					Comments
					CH	PC	SAR	Baron	Metals	
1	9-6-15	11:46	2	AMP	X	X	X	X	X	
2	11-18	11:50	1	AMP	X	X	X	X	X	
3	11-18	11:50	1	AMP	X	X	X	X	X	
4	11-18	11:50	1	AMP	X	X	X	X	X	
5	11-18	11:50	1	AMP	X	X	X	X	X	
6	11-18	11:50	1	AMP	X	X	X	X	X	
7	11-18	11:50	1	AMP	X	X	X	X	X	
8	11-18	11:50	1	AMP	X	X	X	X	X	
9	11-18	11:50	1	AMP	X	X	X	X	X	
10	11-18	11:50	1	AMP	X	X	X	X	X	
11	11-18	11:50	1	AMP	X	X	X	X	X	
12	11-18	11:50	1	AMP	X	X	X	X	X	
13	11-18	11:50	1	AMP	X	X	X	X	X	
14	11-18	11:50	1	AMP	X	X	X	X	X	
15	11-18	11:50	1	AMP	X	X	X	X	X	
16	11-18	11:50	1	AMP	X	X	X	X	X	
17	11-18	11:50	1	AMP	X	X	X	X	X	
18	11-18	11:50	1	AMP	X	X	X	X	X	
19	11-18	11:50	1	AMP	X	X	X	X	X	
20	11-18	11:50	1	AMP	X	X	X	X	X	
21	11-18	11:50	1	AMP	X	X	X	X	X	
22	11-18	11:50	1	AMP	X	X	X	X	X	
23	11-18	11:50	1	AMP	X	X	X	X	X	
24	11-18	11:50	1	AMP	X	X	X	X	X	
25	11-18	11:50	1	AMP	X	X	X	X	X	
26	11-18	11:50	1	AMP	X	X	X	X	X	
27	11-18	11:50	1	AMP	X	X	X	X	X	
28	11-18	11:50	1	AMP	X	X	X	X	X	
29	11-18	11:50	1	AMP	X	X	X	X	X	
30	11-18	11:50	1	AMP	X	X	X	X	X	

Temp Received: 19
 Received On Ice? Yes No
 Turnaround Time
 SAME DAY
 24 Hr
 48 Hr
 Standard
 72

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 - Raymond V Sarchet Unit B2

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: F5C0228

Client: Eagle

Client Project ID: Raymond V Sarchet Unit B

Checklist Completed by: NJ / sm

Shipped Via: HD

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 3/7/25

Airbill #: N/A

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

Cooler Number/Temperature: 1/19 °C (Describe)

Thermometer ID: T007

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"/>		
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"/>		
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 HNO ₃ , HCl, H ₂ SO ₄) / (pH > 10 for samples preserved with NaAc ⁺ /NaOH, SrAc ⁺ /NaOH)			<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 taken in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) [Signature]

3/10/25
Date/Time Reviewed

Origins Laboratory

[Signature]

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Raymond V Sarchet Unit B2

WH-B01@6'

3/6/2025 9:40:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0228-01 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.109		0.101	mg/L	1	B5C0748	03/07/2025	03/11/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5C1123	03/11/2025	03/13/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: <i>o</i> -Terphenyl	58.2 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5C1147	03/11/2025	03/14/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	108 %			70-130		"	"	"	
Surrogate: Toluene-d8	98.6 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	97.1 %			70-130		"	"	"	

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 Project: KMG - Raymond V Sarchet Unit B2

WH-B01@6'
3/6/2025 9:40:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0228-01 (Soil)
Origins Laboratory

Metals by Saturated Paste by EPA 6010

Calcium	2.28		0.499	meq/L	10	[CALC]	03/10/2025	03/13/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.900		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.19			pH Units	1	B5C1019	03/10/2025	03/12/2025	
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SAR by 20B Saturated Paste

SAR	0.737		0.0100	SAR	1	B5C1012	03/10/2025	03/13/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.438		0.00500	mmhos/cm	1	B5C1019	03/10/2025	03/12/2025	
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Table 915 metals by EPA 6020B

Arsenic	1.83		0.269	mg/kg	10	B5C0733	03/07/2025	03/10/2025	
Barium	80.1		9.28	"	"	"	"	"	
Cadmium	0.242		0.0928	"	"	"	"	"	
Copper	11.4		9.28	"	"	"	"	"	
Lead	30.9		0.928	"	"	"	"	"	
Nickel	6.55		0.928	"	"	"	"	"	
Selenium	ND		0.241	"	"	"	"	"	

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 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Raymond V Sarchet Unit B2

WH-B01@6'
3/6/2025 9:40:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0228-01 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Silver	ND		0.0928	mg/kg	10	B5C0733	03/07/2025	03/10/2025	
Zinc	55.3		34.3	"	"	"	"	"	

Waypoint Analytical, LLC.

PAH BY 8270D SIM

1-Methylnaphthalene	ND	0.00201	0.00201	mg/Kg	1	L805246	03/14/2025	03/17/2025	
2-Methylnaphthalene	ND	0.00201	0.00201	"	"	"	"	"	
Acenaphthene	ND	0.00067	0.00067	"	"	"	"	"	
Anthracene	ND	0.00067	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.00067	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.00067	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.00067	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.00067	0.00067	"	"	"	"	"	
Chrysene	ND	0.00067	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.00067	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.00067	0.00067	"	"	"	"	"	
Fluorene	ND	0.00067	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00067	0.00067	"	"	"	"	"	

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 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Raymond V Sarchet Unit B2

WH-B01@6'

3/6/2025 9:40:00AM

E5C0228-01 (Soil)

Waypoint Analytical, LLC.

PAH BY 8270D SIM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
Naphthalene	ND	0.00201	0.00201	mg/Kg	1	L805246	03/14/2025	03/17/2025	
Pyrene	ND	0.00067	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	47.4 %			33-115		"	"	"	
Surrogate: 4-Terphenyl-d14	56.8 %			33-122		"	"	"	
Surrogate: Nitrobenzene-d5	44.7 %			29-110		"	"	"	

TOTAL METALS BY 7196A

Chromium, Hexavalent	ND	0.5	0.5	mg/Kg	1	L805995	03/06/2025	03/18/2025	
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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Raymond V Sarchet Unit B2

WH-RIS@4'
3/6/2025 9:45:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0228-02 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	ND		0.101	mg/L	1	B5C0748	03/07/2025	03/11/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5C1123	03/11/2025	03/13/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	59.0 %								
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5C1147	03/11/2025	03/14/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	108 %								
Surrogate: Toluene-d8	97.2 %								
Surrogate: 4-Bromofluorobenzene	97.3 %								

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Raymond V Sarchet Unit B2

WH-RIS@4'
3/6/2025 9:45:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0228-02 (Soil)
Origins Laboratory

Metals by Saturated Paste by EPA 6010

Calcium	0.582		0.499	meq/L	10	[CALC]	03/10/2025	03/13/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.482		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.81			pH Units	1	B5C1019	03/10/2025	03/12/2025	
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SAR by 20B Saturated Paste

SAR	0.798		0.0100	SAR	1	B5C1012	03/10/2025	03/13/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.166		0.00500	mmhos/cm	1	B5C1019	03/10/2025	03/12/2025	
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Table 915 metals by EPA 6020B

Arsenic	1.72		0.250	mg/kg	10	B5C0733	03/07/2025	03/10/2025	
Barium	54.5		8.63	"	"	"	"	"	
Cadmium	0.109		0.0863	"	"	"	"	"	
Copper	ND		8.63	"	"	"	"	"	
Lead	7.37		0.863	"	"	"	"	"	
Nickel	6.05		0.863	"	"	"	"	"	
Selenium	ND		0.224	"	"	"	"	"	

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8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Raymond V Sarchet Unit B2

WH-RIS@4'
3/6/2025 9:45:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0228-02 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Silver	ND		0.0863	mg/kg	10	B5C0733	03/07/2025	03/10/2025	
Zinc	ND		31.9	"	"	"	"	"	

Waypoint Analytical, LLC.

PAH BY 8270D SIM

1-Methylnaphthalene	ND	0.00201	0.00201	mg/Kg	1	L805246	03/14/2025	03/17/2025	
2-Methylnaphthalene	ND	0.00201	0.00201	"	"	"	"	"	
Acenaphthene	ND	0.00067	0.00067	"	"	"	"	"	
Anthracene	ND	0.00067	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.00067	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.00067	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.00067	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.00067	0.00067	"	"	"	"	"	
Chrysene	ND	0.00067	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.00067	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.00067	0.00067	"	"	"	"	"	
Fluorene	ND	0.00067	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00067	0.00067	"	"	"	"	"	

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 - Raymond V Sarchet Unit B2

WH-RIS@4'
3/6/2025 9:45:00AM

Detection Reporting
 Limit Limit

Analyte Result Units Dilution Batch Prepared Analyzed Notes

E5C0228-02 (Soil)
Waypoint Analytical, LLC.

PAH BY 8270D SIM

Naphthalene	ND	0.00201	0.00201	mg/Kg	1	L805246	03/14/2025	03/17/2025
Pyrene	ND	0.00067	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	41.2 %			33-115		"	"	"
Surrogate: 4-Terphenyl-d14	52.7 %			33-122		"	"	"
Surrogate: Nitrobenzene-d5	39 %			29-110		"	"	"

TOTAL METALS BY 7196A

Chromium, Hexavalent	ND	0.509	0.509	mg/Kg	1	L805995	03/06/2025	03/18/2025	J
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Origins Laboratory

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



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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Raymond V Sarchet Unit B2

WH-S01@5'

3/6/2025 9:51:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0228-03 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.105		0.0994	mg/L	1	B5C0748	03/07/2025	03/11/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5C1123	03/11/2025	03/13/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: <i>o</i> -Terphenyl	58.6 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5C1147	03/11/2025	03/14/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	109 %			70-130		"	"	"	
Surrogate: Toluene-d8	96.2 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	95.7 %			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 - Raymond V Sarchet Unit B2

WH-S01@5'

3/6/2025 9:51:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0228-03 (Soil)

Origins Laboratory

Metals by Saturated Paste by EPA 6010

Calcium	1.10		0.499	meq/L	10	[CALC]	03/10/2025	03/13/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.559		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.80			pH Units	1	B5C1019	03/10/2025	03/12/2025	
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SAR by 20B Saturated Paste

SAR	0.667		0.0100	SAR	1	B5C1012	03/10/2025	03/13/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.338		0.00500	mmhos/cm	1	B5C1019	03/10/2025	03/12/2025	
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Table 915 metals by EPA 6020B

Arsenic	2.20		0.252	mg/kg	10	B5C0733	03/07/2025	03/10/2025	
Barium	87.7		8.68	"	"	"	"	"	
Cadmium	0.157		0.0868	"	"	"	"	"	
Copper	8.94		8.68	"	"	"	"	"	
Lead	12.5		0.868	"	"	"	"	"	
Nickel	7.82		0.868	"	"	"	"	"	
Selenium	ND		0.226	"	"	"	"	"	

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 - Raymond V Sarchet Unit B2

WH-S01@5'
3/6/2025 9:51:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0228-03 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Silver	ND		0.0868	mg/kg	10	B5C0733	03/07/2025	03/10/2025	
Zinc	44.5		32.1	"	"	"	"	"	

Waypoint Analytical, LLC.

PAH BY 8270D SIM

1-Methylnaphthalene	0.00138	0.00201	0.00201	mg/Kg	1	L805246	03/14/2025	03/17/2025	J
2-Methylnaphthalene	0.00196	0.00201	0.00201	"	"	"	"	"	J
Acenaphthene	ND	0.00067	0.00067	"	"	"	"	"	
Anthracene	ND	0.00067	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.00067	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.00067	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.00067	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.00067	0.00067	"	"	"	"	"	
Chrysene	ND	0.00067	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.00067	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.00067	0.00067	"	"	"	"	"	
Fluorene	0.000576	0.00067	0.00067	"	"	"	"	"	J
Indeno(1,2,3-cd)pyrene	ND	0.00067	0.00067	"	"	"	"	"	
Naphthalene	ND	0.00201	0.00201	"	"	"	"	"	

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 - Raymond V Sarchet Unit B2

WH-S01@5'

3/6/2025 9:51:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0228-03 (Soil)

Waypoint Analytical, LLC.

PAH BY 8270D SIM

Pyrene	ND	0.00067	0.00067	mg/Kg	1	L805246	03/14/2025	03/17/2025	
Surrogate: 2-Fluorobiphenyl	45 %			33-115		"	"	"	
Surrogate: 4-Terphenyl-d14	50.8 %			33-122		"	"	"	
Surrogate: Nitrobenzene-d5	39.8 %			29-110		"	"	"	

TOTAL METALS BY 7196A

Chromium, Hexavalent	ND	0.5	0.5	mg/Kg	1	L805995	03/06/2025	03/18/2025	
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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 - Raymond V Sarchet Unit B2

WH-W01@5'
3/6/2025 9:53:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0228-04 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.134		0.101	mg/L	1	B5C0748	03/07/2025	03/11/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	130		25.0	mg/kg	1	B5C1123	03/11/2025	03/13/2025	
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
<i>Surrogate: o-Terphenyl</i>	56.7 %				50-150	"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5C1147	03/11/2025	03/14/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	2.18		0.200	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	110 %				70-130	"	"	"	
<i>Surrogate: Toluene-d8</i>	92.9 %				70-130	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	94.6 %				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 - Raymond V Sarchet Unit B2

WH-W01@5'

3/6/2025 9:53:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0228-04 (Soil)

Origins Laboratory

Metals by Saturated Paste by EPA 6010

Calcium	0.866		0.499	meq/L	10	[CALC]	03/10/2025	03/13/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.74			pH Units	1	B5C1019	03/10/2025	03/12/2025	
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SAR by 20B Saturated Paste

SAR	0.544		0.0100	SAR	1	B5C1012	03/10/2025	03/13/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.239		0.00500	mmhos/cm	1	B5C1019	03/10/2025	03/12/2025	
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Table 915 metals by EPA 6020B

Arsenic	2.31		0.273	mg/kg	10	B5C0733	03/07/2025	03/10/2025	
Barium	83.3		9.41	"	"	"	"	"	
Cadmium	0.0988		0.0941	"	"	"	"	"	
Copper	ND		9.41	"	"	"	"	"	
Lead	7.95		0.941	"	"	"	"	"	
Nickel	8.58		0.941	"	"	"	"	"	
Selenium	ND		0.245	"	"	"	"	"	

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 - Raymond V Sarchet Unit B2

WH-W01@5'
3/6/2025 9:53:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0228-04 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Silver	ND		0.0941	mg/kg	10	B5C0733	03/07/2025	03/10/2025	
Zinc	37.9		34.8	"	"	"	"	"	

Waypoint Analytical, LLC.

PAH BY 8270D SIM

1-Methylnaphthalene	0.188	0.00201	0.00201	mg/Kg	1	L805246	03/14/2025	03/17/2025	
2-Methylnaphthalene	0.365	0.00201	0.00201	"	"	"	"	"	
Acenaphthene	0.0282	0.00067	0.00067	"	"	"	"	"	
Anthracene	ND	0.00067	0.00067	"	"	"	"	"	
Benzo(a)anthracene	0.00235	0.00067	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.00067	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.00067	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.00067	0.00067	"	"	"	"	"	
Chrysene	0.0128	0.00067	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.00067	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.00067	0.00067	"	"	"	"	"	
Fluorene	0.0598	0.00067	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00067	0.00067	"	"	"	"	"	
Naphthalene	0.0203	0.00201	0.00201	"	"	"	"	"	
Pyrene	0.00679	0.00067	0.00067	"	"	"	"	"	

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 - Raymond V Sarchet Unit B2

WH-W01@5'

3/6/2025 9:53:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0228-04 (Soil)

Waypoint Analytical, LLC.

PAH BY 8270D SIM

Surrogate: 2-Fluorobiphenyl	43.6 %			33-115		L805246	03/14/2025	03/17/2025	
Surrogate: 4-Terphenyl-d14	53.4 %			33-122		"	"	"	
Surrogate: Nitrobenzene-d5	42.1 %			29-110		"	"	"	

TOTAL METALS BY 7196A

Chromium, Hexavalent	ND	0.505	0.505	mg/Kg	1	L805995	03/06/2025	03/18/2025	J
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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 - Raymond V Sarchet Unit B2

SEP-RIS@4'
3/6/2025 10:55:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0228-05 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	ND		0.0999	mg/L	1	B5C0748	03/07/2025	03/11/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5C1123	03/11/2025	03/13/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: <i>o</i> -Terphenyl	67.4 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5C1147	03/11/2025	03/14/2025	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	105 %			70-130		"	"	"	
Surrogate: Toluene-d8	98.3 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	97.7 %			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 - Raymond V Sarchet Unit B2

SEP-RIS@4'
3/6/2025 10:55:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0228-05 (Soil)
Origins Laboratory

Metals by Saturated Paste by EPA 6010

Calcium	0.835		0.499	meq/L	10	[CALC]	03/10/2025	03/13/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.465		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.29			pH Units	1	B5C1019	03/10/2025	03/12/2025	
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SAR by 20B Saturated Paste

SAR	0.621		0.0100	SAR	1	B5C1012	03/10/2025	03/13/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.167		0.00500	mmhos/cm	1	B5C1019	03/10/2025	03/12/2025	
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Table 915 metals by EPA 6020B

Arsenic	2.89		0.253	mg/kg	10	B5C0733	03/07/2025	03/10/2025	
Barium	41.7		8.73	"	"	"	"	"	
Cadmium	0.149		0.0873	"	"	"	"	"	
Copper	ND		8.73	"	"	"	"	"	
Lead	8.20		0.873	"	"	"	"	"	
Nickel	4.45		0.873	"	"	"	"	"	
Selenium	ND		0.227	"	"	"	"	"	

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 - Raymond V Sarchet Unit B2

SEP-RIS@4'
3/6/2025 10:55:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0228-05 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Silver	ND		0.0873	mg/kg	10	B5C0733	03/07/2025	03/10/2025	
Zinc	ND		32.3	"	"	"	"	"	

Waypoint Analytical, LLC.

PAH BY 8270D SIM

1-Methylnaphthalene	ND	0.00201	0.00201	mg/Kg	1	L805246	03/14/2025	03/17/2025	
2-Methylnaphthalene	ND	0.00201	0.00201	"	"	"	"	"	
Acenaphthene	ND	0.00067	0.00067	"	"	"	"	"	
Anthracene	ND	0.00067	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.00067	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.00067	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.00067	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.00067	0.00067	"	"	"	"	"	
Chrysene	ND	0.00067	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.00067	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.00067	0.00067	"	"	"	"	"	
Fluorene	ND	0.00067	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00067	0.00067	"	"	"	"	"	

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 - Raymond V Sarchet Unit B2

SEP-RIS@4'
3/6/2025 10:55:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5C0228-05 (Soil)									
Waypoint Analytical, LLC.									
PAH BY 8270D SIM									
Naphthalene	ND	0.00201	0.00201	mg/Kg	1	L805246	03/14/2025	03/17/2025	
Pyrene	ND	0.00067	0.00067	"	"	"	"	"	
Surrogate: 2-Fluorobiphenyl	37.4 %				33-115	"	"	"	
Surrogate: 4-Terphenyl-d14	45.3 %				33-122	"	"	"	
Surrogate: Nitrobenzene-d5	39.2 %				29-110	"	"	"	
TOTAL METALS BY 7196A									
Chromium, Hexavalent	0.256	0.504	0.504	mg/Kg	1	L805995	03/06/2025	03/18/2025	J

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 - Raymond V Sarchet Unit B2

WH-BG01@3'
3/6/2025 11:36:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0228-06 (Soil)
Origins Laboratory

Boron (DTPA Sorbitol)

Boron	0.794		0.100	mg/L	1	B5C0748	03/07/2025	03/11/2025	
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Metals by Saturated Paste by EPA 6010

Calcium	1.47		0.499	meq/L	10	[CALC]	03/10/2025	03/13/2025	
Magnesium	1.45		0.823	"	"	"	"	"	
Sodium	2.14		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.18			pH Units	1	B5C1019	03/10/2025	03/12/2025	
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SAR by 20B Saturated Paste

SAR	1.77		0.0100	SAR	1	B5C1012	03/10/2025	03/13/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.547		0.00500	mmhos/cm	1	B5C1019	03/10/2025	03/12/2025	
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Table 915 metals by EPA 6020B

Arsenic	2.17		0.253	mg/kg	10	B5C0733	03/07/2025	03/10/2025	
Barium	69.6		8.72	"	"	"	"	"	
Cadmium	0.0959		0.0872	"	"	"	"	"	
Copper	ND		8.72	"	"	"	"	"	

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 - Raymond V Sarchet Unit B2

WH-BG01@3'

3/6/2025 11:36:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0228-06 (Soil)

Origins Laboratory

Table 915 metals by EPA 6020B

Lead	6.56		0.872	mg/kg	10	B5C0733	03/07/2025	03/10/2025	
Nickel	7.66		0.872	"	"	"	"	"	"
Selenium	ND		0.227	"	"	"	"	"	"
Silver	ND		0.0872	"	"	"	"	"	"
Zinc	ND		32.3	"	"	"	"	"	"

Waypoint Analytical, LLC.

TOTAL METALS BY 7196A

Chromium, Hexavalent	ND	0.502	0.502	mg/Kg	1	L805995	03/06/2025	03/18/2025	
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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 - Raymond V Sarchet Unit B2

WH-BG01@6'
3/6/2025 11:38:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0228-07 (Soil)
Origins Laboratory

Boron (DTPA Sorbitol)

Boron	0.162		0.101	mg/L	1	B5C0748	03/07/2025	03/11/2025	
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Metals by Saturated Paste by EPA 6010

Calcium	1.21		0.499	meq/L	10	[CALC]	03/10/2025	03/13/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	2.07		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.58			pH Units	1	B5C1019	03/10/2025	03/12/2025	
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SAR by 20B Saturated Paste

SAR	2.16		0.0100	SAR	1	B5C1012	03/10/2025	03/13/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.420		0.00500	mmhos/cm	1	B5C1019	03/10/2025	03/12/2025	
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Table 915 metals by EPA 6020B

Arsenic	1.78		0.272	mg/kg	10	B5C0733	03/07/2025	03/10/2025	
Barium	51.8		9.37	"	"	"	"	"	
Cadmium	ND		0.0937	"	"	"	"	"	

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 - Raymond V Sarchet Unit B2

WH-BG01@6'
3/6/2025 11:38:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0228-07 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Copper	ND		9.37	mg/kg	10	B5C0733	03/07/2025	03/10/2025	
Lead	4.65		0.937	"	"	"	"	"	"
Nickel	5.61		0.937	"	"	"	"	"	"
Selenium	ND		0.244	"	"	"	"	"	"
Silver	ND		0.0937	"	"	"	"	"	"
Zinc	ND		34.7	"	"	"	"	"	"

Waypoint Analytical, LLC.

TOTAL METALS BY 7196A

Chromium, Hexavalent	ND	0.511	0.511	mg/Kg	1	L805995	03/06/2025	03/18/2025	J
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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 - Raymond V Sarchet Unit B2

WH-BG02@3'
3/6/2025 11:40:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0228-08 (Soil)
Origins Laboratory

Boron (DTPA Sorbitol)

Boron	0.172		0.0993	mg/L	1	B5C0748	03/07/2025	03/11/2025	
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Metals by Saturated Paste by EPA 6010

Calcium	1.03		0.499	meq/L	10	[CALC]	03/10/2025	03/13/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.845		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.14			pH Units	1	B5C1019	03/10/2025	03/12/2025	
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SAR by 20B Saturated Paste

SAR	0.933		0.0100	SAR	1	B5C1012	03/10/2025	03/13/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.276		0.00500	mmhos/cm	1	B5C1019	03/10/2025	03/12/2025	
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Table 915 metals by EPA 6020B

Arsenic	2.13		0.249	mg/kg	10	B5C0733	03/07/2025	03/10/2025	
Barium	74.8		8.57	"	"	"	"	"	
Cadmium	0.0969		0.0857	"	"	"	"	"	
Copper	ND		8.57	"	"	"	"	"	

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 - Raymond V Sarchet Unit B2

WH-BG02@3'
3/6/2025 11:40:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0228-08 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Lead	6.37		0.857	mg/kg	10	B5C0733	03/07/2025	03/10/2025	
Nickel	7.06		0.857	"	"	"	"	"	"
Selenium	ND		0.223	"	"	"	"	"	"
Silver	ND		0.0857	"	"	"	"	"	"
Zinc	ND		31.7	"	"	"	"	"	"

Waypoint Analytical, LLC.

TOTAL METALS BY 7196A

Chromium, Hexavalent	ND	0.504	0.504	mg/Kg	1	L805995	03/06/2025	03/18/2025	J
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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 - Raymond V Sarchet Unit B2

WH-BG02@6'
3/6/2025 11:42:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0228-09 (Soil)
Origins Laboratory

Boron (DTPA Sorbitol)

Boron	ND		0.101	mg/L	1	B5C0748	03/07/2025	03/11/2025	
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Metals by Saturated Paste by EPA 6010

Calcium	1.15		0.499	meq/L	10	[CALC]	03/10/2025	03/13/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.765		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.27			pH Units	1	B5C1019	03/10/2025	03/12/2025	
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SAR by 20B Saturated Paste

SAR	0.852		0.0100	SAR	1	B5C1012	03/10/2025	03/13/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.265		0.00500	mmhos/cm	1	B5C1019	03/10/2025	03/12/2025	
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Table 915 metals by EPA 6020B

Arsenic	1.36		0.280	mg/kg	10	B5C0733	03/07/2025	03/10/2025	
Barium	43.5		9.66	"	"	"	"	"	
Cadmium	ND		0.0966	"	"	"	"	"	

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 - Raymond V Sarchet Unit B2

WH-BG02@6'
3/6/2025 11:42:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0228-09 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Copper	ND		9.66	mg/kg	10	B5C0733	03/07/2025	03/10/2025	
Lead	4.13		0.966	"	"	"	"	"	"
Nickel	5.76		0.966	"	"	"	"	"	"
Selenium	ND		0.251	"	"	"	"	"	"
Silver	ND		0.0966	"	"	"	"	"	"
Zinc	ND		35.7	"	"	"	"	"	"

Waypoint Analytical, LLC.

TOTAL METALS BY 7196A

Chromium, Hexavalent	ND	0.503	0.503	mg/Kg	1	L805995	03/06/2025	03/18/2025	J
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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 - Raymond V Sarchet Unit B2

WH-BG03@3'
3/6/2025 11:44:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0228-10 (Soil)
Origins Laboratory

Boron (DTPA Sorbitol)

Boron	0.106		0.101	mg/L	1	B5C0748	03/07/2025	03/11/2025	
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Metals by Saturated Paste by EPA 6010

Calcium	0.751		0.499	meq/L	10	[CALC]	03/10/2025	03/13/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.637		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.94			pH Units	1	B5C1019	03/10/2025	03/12/2025	
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SAR by 20B Saturated Paste

SAR	0.876		0.0100	SAR	1	B5C1012	03/10/2025	03/13/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.209		0.00500	mmhos/cm	1	B5C1019	03/10/2025	03/12/2025	
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Table 915 metals by EPA 6020B

Arsenic	1.92		0.254	mg/kg	10	B5C0733	03/07/2025	03/10/2025	
Barium	59.3		8.76	"	"	"	"	"	
Cadmium	ND		0.0876	"	"	"	"	"	

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 - Raymond V Sarchet Unit B2

WH-BG03@3'

3/6/2025 11:44:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0228-10 (Soil)

Origins Laboratory

Table 915 metals by EPA 6020B

Copper	ND		8.76	mg/kg	10	B5C0733	03/07/2025	03/10/2025	
Lead	5.59		0.876	"	"	"	"	"	"
Nickel	6.68		0.876	"	"	"	"	"	"
Selenium	ND		0.228	"	"	"	"	"	"
Silver	ND		0.0876	"	"	"	"	"	"
Zinc	ND		32.4	"	"	"	"	"	"

Waypoint Analytical, LLC.

TOTAL METALS BY 7196A

Chromium, Hexavalent	ND	0.5	0.5	mg/Kg	1	L806444	03/06/2025	03/20/2025	
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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 - Raymond V Sarchet Unit B2

WH-BG03@6'
3/6/2025 11:46:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0228-11 (Soil)
Origins Laboratory

Boron (DTPA Sorbitol)

Boron	ND		0.100	mg/L	1	B5C0748	03/07/2025	03/11/2025	
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Metals by Saturated Paste by EPA 6010

Calcium	0.904		0.499	meq/L	10	[CALC]	03/10/2025	03/13/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.647		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.93			pH Units	1	B5C1019	03/10/2025	03/12/2025	
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SAR by 20B Saturated Paste

SAR	0.832		0.0100	SAR	1	B5C1012	03/10/2025	03/13/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.232		0.00500	mmhos/cm	1	B5C1019	03/10/2025	03/12/2025	
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Table 915 metals by EPA 6020B

Arsenic	1.71		0.249	mg/kg	10	B5C0733	03/07/2025	03/10/2025	
Barium	53.7		8.57	"	"	"	"	"	
Cadmium	0.102		0.0857	"	"	"	"	"	

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 - Raymond V Sarchet Unit B2

WH-BG03@6'
3/6/2025 11:46:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0228-11 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Copper	ND		8.57	mg/kg	10	B5C0733	03/07/2025	03/10/2025	
Lead	5.94		0.857	"	"	"	"	"	"
Nickel	5.23		0.857	"	"	"	"	"	"
Selenium	ND		0.223	"	"	"	"	"	"
Silver	ND		0.0857	"	"	"	"	"	"
Zinc	ND		31.7	"	"	"	"	"	"

Waypoint Analytical, LLC.

TOTAL METALS BY 7196A

Chromium, Hexavalent	ND	0.5	0.5	mg/Kg	1	L806444	03/06/2025	03/20/2025	
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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 - Raymond V Sarchet Unit B2

WH-BG04@3'
3/6/2025 11:48:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0228-12 (Soil)
Origins Laboratory

Boron (DTPA Sorbitol)

Boron	0.155		0.0999	mg/L	1	B5C0748	03/07/2025	03/11/2025	
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Metals by Saturated Paste by EPA 6010

Calcium	0.577		0.499	meq/L	10	[CALC]	03/10/2025	03/13/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.723		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.61			pH Units	1	B5C1019	03/10/2025	03/12/2025	
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SAR by 20B Saturated Paste

SAR	1.14		0.0100	SAR	1	B5C1012	03/10/2025	03/13/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.222		0.00500	mmhos/cm	1	B5C1019	03/10/2025	03/12/2025	
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Table 915 metals by EPA 6020B

Arsenic	2.04		0.244	mg/kg	10	B5C0733	03/07/2025	03/10/2025	
Barium	64.7		8.41	"	"	"	"	"	
Cadmium	ND		0.0841	"	"	"	"	"	

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 - Raymond V Sarchet Unit B2

WH-BG04@3'

3/6/2025 11:48:00AM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0228-12 (Soil)

Origins Laboratory

Table 915 metals by EPA 6020B

Copper	ND		8.41	mg/kg	10	B5C0733	03/07/2025	03/10/2025	
Lead	6.59		0.841	"	"	"	"	"	"
Nickel	6.65		0.841	"	"	"	"	"	"
Selenium	ND		0.219	"	"	"	"	"	"
Silver	ND		0.0841	"	"	"	"	"	"
Zinc	ND		31.1	"	"	"	"	"	"

Waypoint Analytical, LLC.

TOTAL METALS BY 7196A

Chromium, Hexavalent	ND	0.5	0.5	mg/Kg	1	L806444	03/06/2025	03/20/2025	
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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 - Raymond V Sarchet Unit B2

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

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0228-13 (Soil)
Origins Laboratory

Boron (DTPA Sorbitol)

Boron	ND		0.0997	mg/L	1	B5C0748	03/07/2025	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	0.478		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.60			pH Units	1	B5C1019	03/10/2025	03/12/2025	
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SAR by 20B Saturated Paste

SAR	1.12		0.0100	SAR	1	B5C1012	03/10/2025	03/13/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.139		0.00500	mmhos/cm	1	B5C1019	03/10/2025	03/12/2025	
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Table 915 metals by EPA 6020B

Arsenic	1.83		0.272	mg/kg	10	B5C0733	03/07/2025	03/10/2025	
Barium	55.6		9.37	"	"	"	"	"	
Cadmium	ND		0.0937	"	"	"	"	"	

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 - Raymond V Sarchet Unit B2

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

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5C0228-13 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Copper	ND		9.37	mg/kg	10	B5C0733	03/07/2025	03/10/2025	
Lead	4.87		0.937	"	"	"	"	"	"
Nickel	7.25		0.937	"	"	"	"	"	"
Selenium	ND		0.243	"	"	"	"	"	"
Silver	ND		0.0937	"	"	"	"	"	"
Zinc	ND		34.7	"	"	"	"	"	"

Waypoint Analytical, LLC.

TOTAL METALS BY 7196A

Chromium, Hexavalent	ND	0.5	0.5	mg/Kg	1	L806444	03/06/2025	03/20/2025	
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Dan Coloccia
 Project Number: [none]
 Project: KMG - Raymond V Sarchet Unit B2

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 B5C0748 - DTPA Sorbitol Preparation

Blank (B5C0748-BLK1)

Prepared: 03/07/2025 Analyzed: 03/11/2025

Boron ND 0.100 mg/L

Duplicate (B5C0748-DUP1)

Source: E5C0228-01

Prepared: 03/07/2025 Analyzed: 03/11/2025

Boron 0.127 0.0999 mg/L 0.109 15.2 50

Batch B5C1012 - Saturated Paste Metals

Blank (B5C1012-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 (B5C1012-DUP1)

Source: E5C0215-01

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

SAR ND 0.0100 SAR 1.68 200

Calcium PPM 40.6 10.0 mg/L 42.4 4.39 50

Magnesium PPM 21.6 10.0 " 22.5 4.13 50

Sodium PPM 51.4 10.0 " 54.2 5.49 50

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Dan Coloccia
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 Project: KMG - Raymond V Sarchet Unit B2

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 B5C1123 - EPA 3550B

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

Blank (B5C1123-BLK1)

Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	16		"	24.9		63.0	50-150			

LCS (B5C1123-BS1)

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

Diesel (C10-C28)	994	50.0	mg/kg	1000		99.4	70-130			
Residual Range Organics (C28-C40)	1020	200	"	1000		102	70-130			
Surrogate: o-Terphenyl	47		"	49.8		94.4	50-150			

Matrix Spike (B5C1123-MS1)

Source: E5C0208-02

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

Diesel (C10-C28)	1030	50.0	mg/kg	1000	ND	103	70-130			
Residual Range Organics (C28-C40)	1110	200	"	1000	73.2	104	70-130			
Surrogate: o-Terphenyl	45		"	49.8		90.4	50-150			

Matrix Spike Dup (B5C1123-MSD1)

Source: E5C0208-02

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

Diesel (C10-C28)	1010	50.0	mg/kg	1000	ND	101	70-130	2.46	35	
Residual Range Organics (C28-C40)	1100	200	"	1000	73.2	103	70-130	0.619	35	
Surrogate: o-Terphenyl	44		"	49.8		89.1	50-150			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5C0733 - EPA 3050B

Blank (B5C0733-BLK1)

Prepared: 03/07/2025 Analyzed: 03/10/2025

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 (B5C0733-BS1)

Prepared: 03/07/2025 Analyzed: 03/10/2025

Arsenic	4.85	0.290	mg/kg	5.00		96.9	80-120			
Barium	518	10.0	"	500		104	80-120			
Cadmium	4.98	0.100	"	5.00		99.5	80-120			
Copper	49.9	10.0	"	50.0		99.8	80-120			
Lead	4.86	1.00	"	5.00		97.2	80-120			
Nickel	5.02	1.00	"	5.00		100	80-120			
Selenium	5.39	0.260	"	5.00		108	80-120			
Silver	5.30	0.100	"	5.00		106	80-120			
Zinc	50.1	37.0	"	50.0		100	80-120			

Matrix Spike (B5C0733-MS1)

Source: E5C0221-09

Prepared: 03/07/2025 Analyzed: 03/12/2025

Arsenic	7.45	0.252	mg/kg	4.35	4.91	58.2	75-125			QM-07
Barium	475	8.71	"	435	41.5	99.5	75-125			
Cadmium	4.42	0.0871	"	4.35	0.144	98.3	75-125			
Copper	47.0	8.71	"	43.5	5.43	95.5	75-125			
Lead	9.00	0.871	"	4.35	6.08	67.1	75-125			QM-07

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 Project: KMG - Raymond V Sarchet Unit B2

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 B5C0733 - EPA 3050B

Matrix Spike (B5C0733-MS1)

Source: E5C0221-09

Prepared: 03/07/2025 Analyzed: 03/12/2025

Nickel	8.86	0.871	mg/kg	4.35	4.86	91.8	75-125			
Selenium	4.33	0.226	"	4.35	0.103	97.1	75-125			
Silver	4.45	0.0871	"	4.35	0.0137	102	75-125			
Zinc	62.6	32.2	"	43.5	16.9	105	75-125			

Matrix Spike Dup (B5C0733-MSD1)

Source: E5C0221-09

Prepared: 03/07/2025 Analyzed: 03/12/2025

Arsenic	39.6	0.267	mg/kg	4.60	4.91	753	75-125	137	20	QM-07, QR-DUP
Barium	543	9.20	"	460	41.5	109	75-125	13.3	20	
Cadmium	5.08	0.0920	"	4.60	0.144	107	75-125	13.8	20	
Copper	54.0	9.20	"	46.0	5.43	106	75-125	13.9	20	
Lead	12.1	0.920	"	4.60	6.08	131	75-125	29.4	20	QM-07, QR-DUP
Nickel	13.1	0.920	"	4.60	4.86	180	75-125	38.7	20	QM-07, QR-DUP
Selenium	5.39	0.239	"	4.60	0.103	115	75-125	21.8	20	QR-02
Silver	4.99	0.0920	"	4.60	0.0137	108	75-125	11.5	20	
Zinc	84.8	34.0	"	46.0	16.9	148	75-125	30.2	20	QM-07, QR-DUP

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Saturated Paste - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5C1019 - Saturated Paste pH/EC

Blank (B5C1019-BLK1)

Prepared: 03/10/2025 Analyzed: 03/12/2025

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B5C1019-DUP1)

Source: E5C0215-01

Prepared: 03/10/2025 Analyzed: 03/12/2025

Specific Conductance (EC)	0.633	0.00500	mmhos/cm		0.648			2.37	25	
pH	8.24		pH Units		8.24			0.00	25	

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 Project: KMG - Raymond V Sarchet Unit B2

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 B5C1147 - EPA 5030 (soil)

Blank (B5C1147-BLK1)

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

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

Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125	98.1	70-130
Surrogate: Toluene-d8	0.13		"	0.125	100	70-130
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125	101	70-130

LCS (B5C1147-BS1)

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

1,2,4-Trimethylbenzene	0.106	0.00200	mg/kg	0.100	106	70-130
1,3,5-Trimethylbenzene	0.105	0.00200	"	0.100	105	70-130
Benzene	0.0930	0.00200	"	0.100	93.0	70-130
Ethylbenzene	0.104	0.00200	"	0.100	104	70-130
Toluene	0.0972	0.00200	"	0.100	97.2	70-130
o-Xylene	0.103	0.00200	"	0.100	103	70-130
m,p-Xylene	0.210	0.00400	"	0.200	105	70-130
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125	97.5	70-130
Surrogate: Toluene-d8	0.13		"	0.125	100	70-130
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125	92.6	70-130

Matrix Spike (B5C1147-MS1)

Source: E5C0202-01

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

1,2,4-Trimethylbenzene	0.102	0.00200	mg/kg	0.100	ND	102	70-130
1,3,5-Trimethylbenzene	0.101	0.00200	"	0.100	ND	101	70-130
Benzene	0.0959	0.00200	"	0.100	ND	95.9	70-130

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Dan Coloccia
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 Project: KMG - Raymond V Sarchet Unit B2

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 B5C1147 - EPA 5030 (soil)

Matrix Spike (B5C1147-MS1)

Source: E5C0202-01

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

Ethylbenzene	0.101	0.00200	mg/kg	0.100	ND	101	70-130			
Toluene	0.0966	0.00200	"	0.100	ND	96.6	70-130			
o-Xylene	0.100	0.00200	"	0.100	ND	100	70-130			
m,p-Xylene	0.206	0.00400	"	0.200	ND	103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		97.1	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		94.0	70-130			

Matrix Spike Dup (B5C1147-MSD1)

Source: E5C0202-01

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

1,2,4-Trimethylbenzene	0.0999	0.00200	mg/kg	0.100	ND	99.9	70-130	2.24	20	
1,3,5-Trimethylbenzene	0.0978	0.00200	"	0.100	ND	97.8	70-130	3.24	20	
Benzene	0.0948	0.00200	"	0.100	ND	94.8	70-130	1.20	20	
Ethylbenzene	0.100	0.00200	"	0.100	ND	100	70-130	1.49	20	
Toluene	0.0956	0.00200	"	0.100	ND	95.6	70-130	1.10	20	
o-Xylene	0.0993	0.00200	"	0.100	ND	99.3	70-130	0.962	20	
m,p-Xylene	0.202	0.00400	"	0.200	ND	101	70-130	2.16	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		98.9	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		94.4	70-130			

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 Project Number: [none]
 Project: KMG - Raymond V Sarchet Unit B2

PAH BY 8270D SIM - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L805246 - 3550B

MSD (L 92161-MSD-L805246)

Source: E5C0228-01

Prepared: 03/14/2025 Analyzed: 03/17/2025

Anthracene	0.0758	0.00067	mg/Kg	0.166	<0.000334	45.6	30-130	14.8	30	
Benzo(k)fluoranthene	0.0957	0.00067	"	0.166	<0.000437	57.6	30-130	11.2	30	
Naphthalene	0.0679	0.00201	"	0.166	<0.00145	40.9	30-130	0.7	30	
Indeno(1,2,3-cd)pyrene	0.107	0.00067	"	0.166	<0.000627	64.4	30-130	9.1	30	
Fluorene	0.0796	0.00067	"	0.166	<0.000286	47.9	30-130	12.6	30	
Fluoranthene	0.0911	0.00067	"	0.166	<0.000394	54.8	30-130	14.3	30	
Dibenz(a,h)anthracene	0.106	0.00067	"	0.166	<0.000614	63.8	30-130	7.8	30	
Chrysene	0.0811	0.00067	"	0.166	<0.000624	48.8	30-130	12.8	30	
Pyrene	0.0925	0.00067	"	0.166	<0.000643	55.7	30-130	15.3	30	
Benzo(a)pyrene	0.0985	0.00067	"	0.166	<0.000468	59.3	30-130	10.5	30	
1-Methylnaphthalene	0.0848	0.00201	"	0.166	<0.00109	51	30-130	6.9	30	
Benzo(b)fluoranthene	0.097	0.00067	"	0.166	<0.000585	58.4	30-130	13.5	30	
2-Methylnaphthalene	0.0828	0.00201	"	0.166	<0.00194	49.8	30-130	0.8	30	
Acenaphthene	0.0723	0.00067	"	0.166	<0.000304	43.5	30-130	12	30	
Benzo(a)anthracene	0.0958	0.00067	"	0.166	<0.000493	57.7	30-130	11.8	30	

Surrogate: Nitrobenzene-d5	64		"	0.331	148	64	29-110			
Surrogate: 2-Fluorobiphenyl	70		"	0.331	157	70	33-115			
Surrogate: 4-Terphenyl-d14	63.4		"	0.331	188	63.4	33-122			

MS (L 92161-MS-L805246)

Source: E5C0228-01

Prepared: 03/14/2025 Analyzed: 03/17/2025

Fluorene	0.0701	0.00067	mg/Kg	0.163	<0.000286	43	30-130			
Benzo(b)fluoranthene	0.0847	0.00067	"	0.163	<0.000585	51.9	30-130			
Indeno(1,2,3-cd)pyrene	0.0976	0.00067	"	0.163	<0.000627	59.8	30-130			
Pyrene	0.0793	0.00067	"	0.163	<0.000643	48.6	30-130			
Fluoranthene	0.0789	0.00067	"	0.163	<0.000394	48.4	30-130			
Dibenz(a,h)anthracene	0.098	0.00067	"	0.163	<0.000614	60.1	30-130			
Chrysene	0.0713	0.00067	"	0.163	<0.000624	43.7	30-130			

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Raymond V Sarchet Unit B2

PAH BY 8270D SIM - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L805246 - 3550B

MS (L 92161-MS-L805246)

Source: E5C0228-01

Prepared: 03/14/2025 Analyzed: 03/17/2025

Benzo(k)fluoranthene	0.0855	0.00067	mg/Kg	0.163	<0.000437	52.4	30-130			
Benzo(a)anthracene	0.0851	0.00067	"	0.163	<0.000493	52.2	30-130			
Anthracene	0.0653	0.00067	"	0.163	<0.000334	40	30-130			
Acenaphthene	0.0641	0.00067	"	0.163	<0.000304	39.3	30-130			
2-Methylnaphthalene	0.0821	0.00201	"	0.163	<0.00194	50.3	30-130			
1-Methylnaphthalene	0.0791	0.00201	"	0.163	<0.00109	48.5	30-130			
Benzo(a)pyrene	0.0886	0.00067	"	0.163	<0.000468	54.3	30-130			
Naphthalene	0.0674	0.00201	"	0.163	<0.00145	41.3	30-130			

Surrogate: Nitrobenzene-d5	62.3		"	0.327	148	62.3	29-110			
Surrogate: 4-Terphenyl-d14	57.7		"	0.327	188	57.7	33-122			
Surrogate: 2-Fluorobiphenyl	61.1		"	0.327	157	61.1	33-115			

LCS (LCS-L805246)

Prepared: 03/14/2025 Analyzed: 03/17/2025

Benzo(a)pyrene	0.0987	0.00067	mg/Kg	0.167		59.1	30-130			
Benzo(b)fluoranthene	0.0988	0.00067	"	0.167		59.1	30-130			
Benzo(k)fluoranthene	0.0981	0.00067	"	0.167		58.7	30-130			
Dibenz(a,h)anthracene	0.107	0.00067	"	0.167		64	30-130			
Fluorene	0.0721	0.00067	"	0.167		43.1	30-130			
Benzo(a)anthracene	0.0912	0.00067	"	0.167		54.6	30-130			
Naphthalene	0.0688	0.00201	"	0.167		41.1	30-130			
Chrysene	0.0784	0.00067	"	0.167		46.9	30-130			
Pyrene	0.0852	0.00067	"	0.167		51	30-130			
Indeno(1,2,3-cd)pyrene	0.108	0.00067	"	0.167		64.6	30-130			
Acenaphthene	0.0672	0.00067	"	0.167		40.2	30-130			
2-Methylnaphthalene	0.0788	0.00201	"	0.167		47.1	30-130			
1-Methylnaphthalene	0.0793	0.00201	"	0.167		47.4	30-130			
Fluoranthene	0.0858	0.00067	"	0.167		51.3	30-130			

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Raymond V Sarchet Unit B2

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Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L805246 - 3550B

LCS (LCS-L805246)

Prepared: 03/14/2025 Analyzed: 03/17/2025

Anthracene	0.0695	0.00067	mg/Kg	0.167		41.6	30-130			
Surrogate: Nitrobenzene-d5	68.4		"	0.333		68.4	29-110			
Surrogate: 4-Terphenyl-d14	69		"	0.333		69	33-122			
Surrogate: 2-Fluorobiphenyl	65.7		"	0.333		65.7	33-115			

LRB (LRB-L805246)

Prepared: 03/14/2025 Analyzed: 03/17/2025

Fluorene	ND	0.00067	mg/Kg				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00201	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Naphthalene	ND	0.00201	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
Pyrene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00201	"				-			
Surrogate: Nitrobenzene-d5	52.8		"	0.333		52.8	29-110			
Surrogate: 4-Terphenyl-d14	76.8		"	0.333		76.8	33-122			
Surrogate: 2-Fluorobiphenyl	54.9		"	0.333		54.9	33-115			

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Raymond V Sarchet Unit B2

TOTAL METALS BY 7196A - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L806444 -

DUP (L 92170-DUP)

Source: E5C0228-10

Prepared: Analyzed: 03/20/2025

Chromium, Hexavalent	ND	0.5	mg/Kg		<0.500	-	0	20		
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MS (L 92170-MS)

Source: E5C0228-10

Prepared: Analyzed: 03/20/2025

Chromium, Hexavalent	31.8	2.5	mg/Kg	38.8	< 0.244	82	75-125			
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LCS (LCS)

Prepared: Analyzed: 03/20/2025

Chromium, Hexavalent	6.65	0.5	mg/Kg	8		83	75-125			
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LRB (LRB)

Prepared: Analyzed: 03/20/2025

Chromium, Hexavalent	ND	0.5	mg/Kg			-				
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 8000 W 44th Ave
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Dan Coloccia
 Project Number: [none]
 Project: KMG - Raymond V Sarchet Unit B2

TOTAL METALS BY 7196A - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L805995 -

DUP (L 92138-DUP)

Source: 92138

Prepared: Analyzed: 03/18/2025

Chromium, Hexavalent	ND	0.5	mg/Kg		<0.500	-	1.1	20		
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MS (L 92138-MS)

Source: 92138

Prepared: Analyzed: 03/18/2025

Chromium, Hexavalent	29.3	2.5	mg/Kg	38.3	< 0.246	77	75-125			
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LCS (LCS)

Prepared: Analyzed: 03/18/2025

Chromium, Hexavalent	6.56	0.5	mg/Kg	8		82	75-125			
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LRB (LRB)

Prepared: Analyzed: 03/18/2025

Chromium, Hexavalent	ND	0.5	mg/Kg			-				
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8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Raymond V Sarchet Unit B2

Notes and Definitions

U Sample is Non-Detect.

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

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

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

J Estimated Value. Analyte below reported quantitation limit.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

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