



Eagle Environmental Consulting, LLC

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

May 15, 2025

Project Name - KMG - 1415 Corp Gas Unit 2

Project Number - [none]

Attached are your analytical results for KMG - 1415 Corp Gas Unit 2 received by Origins Laboratory May 01, 2025. This project is associated with Origins project number E5E0095-01.

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 - 1415 Corp Gas Unit 2

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-B01@6'	E5E0095-01	Soil	May 1, 2025 15:30	05/01/2025 17:52
WH-RIS@4'	E5E0095-02	Soil	May 1, 2025 15:32	05/01/2025 17:52
WH-BG01@3'	E5E0095-03	Soil	May 1, 2025 15:00	05/01/2025 17:52
WH-BG01@6'	E5E0095-04	Soil	May 1, 2025 15:02	05/01/2025 17:52
WH-BG02@3'	E5E0095-05	Soil	May 1, 2025 15:04	05/01/2025 17:52
WH-BG02@6'	E5E0095-06	Soil	May 1, 2025 15:06	05/01/2025 17:52
WH-BG03@3'	E5E0095-07	Soil	May 1, 2025 15:08	05/01/2025 17:52
WH-BG03@6'	E5E0095-08	Soil	May 1, 2025 15:10	05/01/2025 17:52
WH-BG04@3'	E5E0095-09	Soil	May 1, 2025 15:12	05/01/2025 17:52
WH-BG04@6'	E5E0095-10	Soil	May 1, 2025 15:14	05/01/2025 17:52

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 - 1415 Corp Gas Unit 2

ESE0095

Page 1 of 1

ORIGINS LABORATORY

ORIGINS WORK ORDER

Client: Eagle Environmental Consulting
 Address: 8000 W 44th Ave
 Telephone Number: 303-444-0479
 Email Address: ORIGINS@EAGLE-ENV.COM

Project Manager: D. Coloccia
 Project Name: 1415 Corp Gas Unit 2
 Project Number:
 Collected By: SL
 Invoice/Billing info: Final (X)

Key:
 W=Water
 GW=Groundwater
 SW=Surface Water
 WW=Waste Water
 L=Liquid


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

#	Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix	Preservative	Analysis					Comments	
							PC	SP	TP	915	916		
1	WT-800006	5/11/25	1530	3	S	UNP	X						
2	WT-800007		1530	1			X						
3	WT-800008		1500	2			X	X	X				
4	WT-800009		1500				X	X	X				
5	WT-800010		1504				X	X	X				
6	WT-800011		1506				X	X	X				
7	WT-800012		1508				X	X	X				
8	WT-800013		1510				X	X	X				
9	WT-800014		1512				X	X	X				
10	WT-800015		1514				X	X	X				

Relinquished By: <u> </u>	Date: <u>5/11/25</u>	Time: <u>17:52</u>	Received By: <u>NO</u>	Date: <u>5/11/25</u>	Time: <u>17:52</u>
Relinquished By: <u> </u>	Date: <u> </u>	Time: <u> </u>	Received By: <u> </u>	Date: <u> </u>	Time: <u> </u>

Turnaround Time
 SAME DAY
 24 Hr
 48 Hr
 72
 Standard

Temp Received- 11.4°C Received On Ice? Yes No

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Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - 1415 Corp Gas Unit 2

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: ESE0095

Client: Eagle

Client Project ID: 1415 Corp Gas Unit 2

Checklist Completed by: JAB / smc

Shipped Via: HD

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

Date/time completed: 5/02/25

Airbill #: N/A

Matrix(s) Received: (Check all that apply): 9 Soil/Solid

Water

Other:

(Describe)

Cooler Number/Temperature: 1 / 11.4 °C

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"/>		SD
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 NaAsO ₂ +NaOH, ZnAc+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)

05/05/25
Date/Time Reviewed

Origins Laboratory



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Kayla Kenyon For Jordan A. Bynon, Project Manager



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

Dan Coloccia
 Project Number: [none]
 Project: KMG - 1415 Corp Gas Unit 2

WH-B01@6'
5/1/2025 3:30:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0095-01 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.249		0.0992	mg/L	1	B5E0255	05/02/2025	05/06/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E0657	05/06/2025	05/07/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	83.4 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E0264	05/02/2025	05/09/2025	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	91.3 %			70-130		"	"	"	
Surrogate: Toluene-d8	93.0 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %			70-130		"	"	"	

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WH-B01@6'

5/1/2025 3:30:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0095-01 (Soil)
 Origins Laboratory**

Metals by Saturated Paste by EPA 6010

Calcium	3.06		0.499	meq/L	10	[CALC]	05/08/2025	05/10/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.574		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND		0.002	mg/kg	1	B5E0833	05/08/2025	05/12/2025	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.020	"	"	"	"	"	U
Anthracene	ND		0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	U
Chrysene	ND		0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	U
Fluoranthene	ND		0.020	"	"	"	"	"	U
Fluorene	ND		0.020	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	U
Naphthalene	ND		0.002	"	"	"	"	"	U

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WH-B01@6'

5/1/2025 3:30:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0095-01 (Soil)
 Origins Laboratory**

PAH by EPA 8270E extracted via 3580A

Pyrene	ND		0.020	mg/kg	1	B5E0833	05/08/2025	05/12/2025	U
Surrogate: Fluorene-d10	102 %			60-130		"	"	"	
Surrogate: Anthracene-d10	99.9 %			60-130		"	"	"	
Surrogate: Pyrene-d10	98.8 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	99.9 %			60-130		"	"	"	

pH in Soil by 9045D

pH	10.3			pH Units	1	B5E0817	05/08/2025	05/09/2025	
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SAR by 20B Saturated Paste

SAR	0.465		0.0100	SAR	1	B5E0812	05/08/2025	05/10/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.442		0.00500	mmhos/cm	1	B5E0817	05/08/2025	05/09/2025	
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Table 915 metals by EPA 6020B

Arsenic	2.41		0.277	mg/kg	10	B5E0565	05/05/2025	05/06/2025	
Barium	ND		78.3	"	"	"	"	"	U
Cadmium	ND		0.363	"	"	"	"	"	U
Copper	ND		43.9	"	"	"	"	"	U

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WH-B01@6'
5/1/2025 3:30:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0095-01 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Lead	ND		13.4	mg/kg	10	B5E0565	05/05/2025	05/06/2025	U
Nickel	ND		24.8	"	"	"	"	"	U
Selenium	ND		0.248	"	"	"	"	"	U
Silver	ND		0.764	"	"	"	"	"	U
Zinc	ND		353	"	"	"	"	"	U

Waypoint Analytical, LLC.

Total Metals 7196A

Chromium, Hexavalent	ND	0.5	0.5	mg/Kg	1	A102592	05/01/2025	05/09/2025	
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 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - 1415 Corp Gas Unit 2

WH-RIS@4'
5/1/2025 3:32:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0095-02 (Soil)									
Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.155		0.101	mg/L	1	B5E0255	05/02/2025	05/06/2025	
DRO/ORO by EPA 8015D									
Diesel (C10-C28)	ND		25.0	mg/kg	1	B5E0657	05/06/2025	05/07/2025	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U
Surrogate: o-Terphenyl	85.1 %			50-150		"	"	"	
GBTEX+TMBs by 8260D									
1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B5E0264	05/02/2025	05/09/2025	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	98.3 %			70-130		"	"	"	
Surrogate: Toluene-d8	93.3 %			70-130		"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %			70-130		"	"	"	

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 Project Number: [none]
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WH-RIS@4'
5/1/2025 3:32:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0095-02 (Soil)
Origins Laboratory

Metals by Saturated Paste by EPA 6010

Calcium	1.27		0.499	meq/L	10	[CALC]	05/08/2025	05/10/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

PAH by EPA 8270E extracted via 3580A

1-Methylnaphthalene	ND		0.002	mg/kg	1	B5E0833	05/08/2025	05/12/2025	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.020	"	"	"	"	"	U
Anthracene	ND		0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	U
Chrysene	ND		0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	U
Fluoranthene	ND		0.020	"	"	"	"	"	U
Fluorene	ND		0.020	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	U
Naphthalene	ND		0.002	"	"	"	"	"	U

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Dan Coloccia
 Project Number: [none]
 Project: KMG - 1415 Corp Gas Unit 2

WH-RIS@4'

5/1/2025 3:32:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0095-02 (Soil)
 Origins Laboratory**

PAH by EPA 8270E extracted via 3580A

Pyrene	ND		0.020	mg/kg	1	B5E0833	05/08/2025	05/12/2025	U
Surrogate: Fluorene-d10	102 %			60-130		"	"	"	
Surrogate: Anthracene-d10	100 %			60-130		"	"	"	
Surrogate: Pyrene-d10	98.7 %			60-130		"	"	"	
Surrogate: Benzo (a) pyrene-d12	97.8 %			60-130		"	"	"	

pH in Soil by 9045D

pH	8.31			pH Units	1	B5E0817	05/08/2025	05/09/2025	
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SAR by 20B Saturated Paste

SAR	0.0707		0.0100	SAR	1	B5E0812	05/08/2025	05/10/2025	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.237		0.00500	mmhos/cm	1	B5E0817	05/08/2025	05/09/2025	
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Table 915 metals by EPA 6020B

Arsenic	2.12		0.248	mg/kg	10	B5E0565	05/05/2025	05/06/2025	
Barium	ND		70.2	"	"	"	"	"	U
Cadmium	ND		0.325	"	"	"	"	"	U
Copper	ND		39.4	"	"	"	"	"	U

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Dan Coloccia
 Project Number: [none]
 Project: KMG - 1415 Corp Gas Unit 2

WH-RIS@4'
5/1/2025 3:32:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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E5E0095-02 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

Lead	ND		12.0	mg/kg	10	B5E0565	05/05/2025	05/06/2025	U
Nickel	ND		22.3	"	"	"	"	"	U
Selenium	ND		0.223	"	"	"	"	"	U
Silver	ND		0.685	"	"	"	"	"	U
Zinc	ND		317	"	"	"	"	"	U

Waypoint Analytical, LLC.

Total Metals 7196A

Chromium, Hexavalent	ND	0.5	0.5	mg/Kg	1	A102592	05/01/2025	05/09/2025	
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Dan Coloccia
 Project Number: [none]
 Project: KMG - 1415 Corp Gas Unit 2

WH-BG01@3'

5/1/2025 3:00:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0095-03 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	ND		0.100	mg/L	1	B5E0255	05/02/2025	05/06/2025	U
Metals by Saturated Paste by EPA 6010									
Calcium	1.09		0.499	meq/L	10	[CALC]	05/08/2025	05/10/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.622		0.435	"	"	"	"	"	
pH in Soil by 9045D									
pH	8.35			pH Units	1	B5E0817	05/08/2025	05/09/2025	
SAR by 20B Saturated Paste									
SAR	0.733		0.0100	SAR	1	B5E0812	05/08/2025	05/10/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	0.235		0.00500	mmhos/cm	1	B5E0817	05/08/2025	05/09/2025	
Table 915 metals by EPA 6020B									
Arsenic	2.40		0.244	mg/kg	10	B5E0565	05/05/2025	05/06/2025	
Barium	ND		69.0	"	"	"	"	"	U
Cadmium	ND		0.320	"	"	"	"	"	U

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Dan Coloccia
 Project Number: [none]
 Project: KMG - 1415 Corp Gas Unit 2

WH-BG01@3'

5/1/2025 3:00:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0095-03 (Soil)
 Origins Laboratory**

Table 915 metals by EPA 6020B

Copper	ND		38.7	mg/kg	10	B5E0565	05/05/2025	05/06/2025	U
Lead	ND		11.8	"	"	"	"	"	U
Nickel	ND		21.9	"	"	"	"	"	U
Selenium	ND		0.219	"	"	"	"	"	U
Silver	ND		0.674	"	"	"	"	"	U
Zinc	ND		312	"	"	"	"	"	U

Waypoint Analytical, LLC.

Total Metals 7196A

Chromium, Hexavalent	ND	0.5	0.5	mg/Kg	1	A102592	05/01/2025	05/09/2025	
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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 - 1415 Corp Gas Unit 2

WH-BG01@6'

5/1/2025 3:02:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0095-04 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.123		0.100	mg/L	1	B5E0255	05/02/2025	05/06/2025	
Metals by Saturated Paste by EPA 6010									
Calcium	1.09		0.499	meq/L	10	[CALC]	05/08/2025	05/10/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.712		0.435	"	"	"	"	"	
pH in Soil by 9045D									
pH	8.28			pH Units	1	B5E0817	05/08/2025	05/09/2025	
SAR by 20B Saturated Paste									
SAR	0.842		0.0100	SAR	1	B5E0812	05/08/2025	05/10/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	0.238		0.00500	mmhos/cm	1	B5E0817	05/08/2025	05/09/2025	
Table 915 metals by EPA 6020B									
Arsenic	2.13		0.264	mg/kg	10	B5E0565	05/05/2025	05/06/2025	
Barium	ND		74.7	"	"	"	"	"	U
Cadmium	ND		0.346	"	"	"	"	"	U

Origins Laboratory

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - 1415 Corp Gas Unit 2

WH-BG01@6'

5/1/2025 3:02:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0095-04 (Soil)
 Origins Laboratory**

Table 915 metals by EPA 6020B

Copper	ND		41.9	mg/kg	10	B5E0565	05/05/2025	05/06/2025	U
Lead	ND		12.7	"	"	"	"	"	U
Nickel	ND		23.7	"	"	"	"	"	U
Selenium	ND		0.237	"	"	"	"	"	U
Silver	ND		0.728	"	"	"	"	"	U
Zinc	ND		337	"	"	"	"	"	U

Waypoint Analytical, LLC.

Total Metals 7196A

Chromium, Hexavalent	ND	0.5	0.5	mg/Kg	1	A102592	05/01/2025	05/09/2025	
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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 - 1415 Corp Gas Unit 2

WH-BG02@3'

5/1/2025 3:04:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0095-05 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.152		0.101	mg/L	1	B5E0255	05/02/2025	05/06/2025	
Metals by Saturated Paste by EPA 6010									
Calcium	1.87		0.499	meq/L	10	[CALC]	05/08/2025	05/10/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	
pH in Soil by 9045D									
pH	8.28			pH Units	1	B5E0817	05/08/2025	05/09/2025	
SAR by 20B Saturated Paste									
SAR	0.339		0.0100	SAR	1	B5E0812	05/08/2025	05/10/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	0.316		0.00500	mmhos/cm	1	B5E0817	05/08/2025	05/09/2025	
Table 915 metals by EPA 6020B									
Arsenic	2.39		0.279	mg/kg	10	B5E0565	05/05/2025	05/06/2025	
Barium	ND		78.8	"	"	"	"	"	U
Cadmium	ND		0.365	"	"	"	"	"	U

Origins Laboratory

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - 1415 Corp Gas Unit 2

WH-BG02@3'

5/1/2025 3:04:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0095-05 (Soil)
 Origins Laboratory**

Table 915 metals by EPA 6020B

Copper	ND		44.2	mg/kg	10	B5E0565	05/05/2025	05/06/2025	U
Lead	ND		13.5	"	"	"	"	"	U
Nickel	ND		25.0	"	"	"	"	"	U
Selenium	ND		0.250	"	"	"	"	"	U
Silver	ND		0.769	"	"	"	"	"	U
Zinc	ND		356	"	"	"	"	"	U

Waypoint Analytical, LLC.

Total Metals 7196A

Chromium, Hexavalent	ND	0.5	0.5	mg/Kg	1	A102592	05/01/2025	05/09/2025	
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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 - 1415 Corp Gas Unit 2

WH-BG02@6'

5/1/2025 3:06:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0095-06 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.154		0.101	mg/L	1	B5E0255	05/02/2025	05/06/2025	
Metals by Saturated Paste by EPA 6010									
Calcium	1.83		0.499	meq/L	10	[CALC]	05/08/2025	05/10/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.962		0.435	"	"	"	"	"	
pH in Soil by 9045D									
pH	8.21			pH Units	1	B5E0817	05/08/2025	05/09/2025	
SAR by 20B Saturated Paste									
SAR	0.856		0.0100	SAR	1	B5E0812	05/08/2025	05/10/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	0.391		0.00500	mmhos/cm	1	B5E0817	05/08/2025	05/09/2025	
Table 915 metals by EPA 6020B									
Arsenic	2.19		0.248	mg/kg	10	B5E0565	05/05/2025	05/06/2025	
Barium	ND		70.0	"	"	"	"	"	U
Cadmium	ND		0.324	"	"	"	"	"	U

Origins Laboratory

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - 1415 Corp Gas Unit 2

WH-BG02@6'

5/1/2025 3:06:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0095-06 (Soil)
 Origins Laboratory**

Table 915 metals by EPA 6020B

Copper	ND		39.3	mg/kg	10	B5E0565	05/05/2025	05/06/2025	U
Lead	ND		12.0	"	"	"	"	"	U
Nickel	ND		22.2	"	"	"	"	"	U
Selenium	ND		0.222	"	"	"	"	"	U
Silver	ND		0.683	"	"	"	"	"	U
Zinc	ND		316	"	"	"	"	"	U

Waypoint Analytical, LLC.

Total Metals 7196A

Chromium, Hexavalent	ND	0.5	0.5	mg/Kg	1	A102592	05/01/2025	05/09/2025	
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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 - 1415 Corp Gas Unit 2

WH-BG03@3'

5/1/2025 3:08:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0095-07 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.181		0.0989	mg/L	1	B5E0255	05/02/2025	05/06/2025	
Metals by Saturated Paste by EPA 6010									
Calcium	1.14		0.499	meq/L	10	[CALC]	05/08/2025	05/10/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	
pH in Soil by 9045D									
pH	8.17			pH Units	1	B5E0817	05/08/2025	05/09/2025	
SAR by 20B Saturated Paste									
SAR	0.353		0.0100	SAR	1	B5E0812	05/08/2025	05/10/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	0.204		0.00500	mmhos/cm	1	B5E0817	05/08/2025	05/09/2025	
Table 915 metals by EPA 6020B									
Arsenic	2.28		0.256	mg/kg	10	B5E0565	05/05/2025	05/06/2025	
Barium	ND		72.5	"	"	"	"	"	U
Cadmium	ND		0.336	"	"	"	"	"	U

Origins Laboratory

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - 1415 Corp Gas Unit 2

WH-BG03@3'

5/1/2025 3:08:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0095-07 (Soil)
 Origins Laboratory**

Table 915 metals by EPA 6020B

Copper	ND		40.7	mg/kg	10	B5E0565	05/05/2025	05/06/2025	U
Lead	ND		12.4	"	"	"	"	"	U
Nickel	ND		23.0	"	"	"	"	"	U
Selenium	ND		0.230	"	"	"	"	"	U
Silver	ND		0.707	"	"	"	"	"	U
Zinc	ND		327	"	"	"	"	"	U

Waypoint Analytical, LLC.

Total Metals 7196A

Chromium, Hexavalent	ND	0.504	0.504	mg/Kg	1	A102593	05/01/2025	05/12/2025	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 - 1415 Corp Gas Unit 2

WH-BG03@6'

5/1/2025 3:10:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0095-08 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	ND		0.101	mg/L	1	B5E0255	05/02/2025	05/06/2025	U
Metals by Saturated Paste by EPA 6010									
Calcium	1.28		0.499	meq/L	10	[CALC]	05/08/2025	05/10/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	1.07		0.435	"	"	"	"	"	
pH in Soil by 9045D									
pH	8.25			pH Units	1	B5E0817	05/08/2025	05/09/2025	
SAR by 20B Saturated Paste									
SAR	1.11		0.0100	SAR	1	B5E0812	05/08/2025	05/10/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	0.321		0.00500	mmhos/cm	1	B5E0817	05/08/2025	05/09/2025	
Table 915 metals by EPA 6020B									
Arsenic	2.45		0.278	mg/kg	10	B5E0565	05/05/2025	05/06/2025	
Barium	ND		78.6	"	"	"	"	"	U
Cadmium	ND		0.364	"	"	"	"	"	U

Origins Laboratory

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - 1415 Corp Gas Unit 2

WH-BG03@6'

5/1/2025 3:10:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0095-08 (Soil)
 Origins Laboratory**

Table 915 metals by EPA 6020B

Copper	ND		44.1	mg/kg	10	B5E0565	05/05/2025	05/06/2025	U
Lead	ND		13.4	"	"	"	"	"	U
Nickel	ND		24.9	"	"	"	"	"	U
Selenium	ND		0.249	"	"	"	"	"	U
Silver	ND		0.766	"	"	"	"	"	U
Zinc	ND		354	"	"	"	"	"	U

Waypoint Analytical, LLC.

Total Metals 7196A

Chromium, Hexavalent	ND	0.5	0.5	mg/Kg	1	A102593	05/01/2025	05/12/2025	
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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 - 1415 Corp Gas Unit 2

WH-BG04@3'

5/1/2025 3:12:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0095-09 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	ND		0.100	mg/L	1	B5E0255	05/02/2025	05/06/2025	U
Metals by Saturated Paste by EPA 6010									
Calcium	1.44		0.499	meq/L	10	[CALC]	05/08/2025	05/10/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.971		0.435	"	"	"	"	"	
pH in Soil by 9045D									
pH	8.27			pH Units	1	B5E0817	05/08/2025	05/09/2025	
SAR by 20B Saturated Paste									
SAR	0.984		0.0100	SAR	1	B5E0812	05/08/2025	05/10/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	0.319		0.00500	mmhos/cm	1	B5E0817	05/08/2025	05/09/2025	
Table 915 metals by EPA 6020B									
Arsenic	3.16		0.272	mg/kg	10	B5E0565	05/05/2025	05/06/2025	
Barium	96.4		76.9	"	"	"	"	"	
Cadmium	ND		0.356	"	"	"	"	"	U

Origins Laboratory

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - 1415 Corp Gas Unit 2

WH-BG04@3'

5/1/2025 3:12:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0095-09 (Soil)
 Origins Laboratory**

Table 915 metals by EPA 6020B

Copper	ND		43.2	mg/kg	10	B5E0565	05/05/2025	05/06/2025	U
Lead	ND		13.1	"	"	"	"	"	U
Nickel	ND		24.4	"	"	"	"	"	U
Selenium	ND		0.244	"	"	"	"	"	U
Silver	ND		0.750	"	"	"	"	"	U
Zinc	ND		347	"	"	"	"	"	U

Waypoint Analytical, LLC.

Total Metals 7196A

Chromium, Hexavalent	ND	0.5	0.5	mg/Kg	1	A102593	05/01/2025	05/12/2025	
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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 - 1415 Corp Gas Unit 2

WH-BG04@6'

5/1/2025 3:14:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
E5E0095-10 (Soil) Origins Laboratory									
Boron (DTPA Sorbitol)									
Boron	0.175		0.100	mg/L	1	B5E0255	05/02/2025	05/06/2025	
Metals by Saturated Paste by EPA 6010									
Calcium	1.16		0.499	meq/L	10	[CALC]	05/08/2025	05/10/2025	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	
pH in Soil by 9045D									
pH	7.86			pH Units	1	B5E0817	05/08/2025	05/09/2025	
SAR by 20B Saturated Paste									
SAR	0.183		0.0100	SAR	1	B5E0812	05/08/2025	05/10/2025	
Specific Conductance Mod. 9050A									
Specific Conductance (EC)	0.218		0.00500	mmhos/cm	1	B5E0817	05/08/2025	05/09/2025	
Table 915 metals by EPA 6020B									
Arsenic	2.08		0.264	mg/kg	10	B5E0565	05/05/2025	05/06/2025	
Barium	ND		74.6	"	"	"	"	"	U
Cadmium	ND		0.346	"	"	"	"	"	U

Origins Laboratory

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - 1415 Corp Gas Unit 2

WH-BG04@6'

5/1/2025 3:14:00PM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**E5E0095-10 (Soil)
 Origins Laboratory**

Table 915 metals by EPA 6020B

Copper	ND		41.9	mg/kg	10	B5E0565	05/05/2025	05/06/2025	U
Lead	ND		12.7	"	"	"	"	"	U
Nickel	ND		23.7	"	"	"	"	"	U
Selenium	ND		0.237	"	"	"	"	"	U
Silver	ND		0.728	"	"	"	"	"	U
Zinc	ND		337	"	"	"	"	"	U

Waypoint Analytical, LLC.

Total Metals 7196A

Chromium, Hexavalent	ND	0.51	0.51	mg/Kg	1	A102593	05/01/2025	05/12/2025	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 - 1415 Corp Gas Unit 2

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 B5E0255 - DTPA Sorbitol Preparation

Blank (B5E0255-BLK1)

Prepared: 05/02/2025 Analyzed: 05/06/2025

Boron	ND	0.100	mg/L							U
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Duplicate (B5E0255-DUP1)

Source: E5E0088-01

Prepared: 05/02/2025 Analyzed: 05/06/2025

Boron	0.194	0.101	mg/L		0.185			4.55	50	
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Batch B5E0812 - Saturated Paste Metals

Blank (B5E0812-BLK1)

Prepared: 05/08/2025 Analyzed: 05/10/2025

Calcium PPM	ND	10.0	mg/L							U
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SAR	ND	0.0100	SAR							U
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Magnesium PPM	ND	10.0	mg/L							U
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Sodium PPM	ND	10.0	"							U
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Duplicate (B5E0812-DUP1)

Source: E5E0066-03

Prepared: 05/08/2025 Analyzed: 05/10/2025

SAR	ND	0.0100	SAR		0.0303				200	U
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Calcium PPM	23.2	10.0	mg/L		24.3			4.71	50	
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Magnesium PPM	4.38	10.0	"		4.56			4.03	50	U
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Sodium PPM	0.560	10.0	"		0.620			10.2	50	U
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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 - 1415 Corp Gas Unit 2

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5E0833 - EPA 3580

Blank (B5E0833-BLK1)

Prepared: 05/08/2025 Analyzed: 05/12/2025

1-Methylnaphthalene	ND	0.002	mg/kg							U
2-Methylnaphthalene	ND	0.002	"							U
Acenaphthene	ND	0.020	"							U
Anthracene	ND	0.020	"							U
Benzo (a) anthracene	ND	0.005	"							U
Benzo (a) pyrene	ND	0.020	"							U
Benzo (b) fluoranthene	ND	0.020	"							U
Benzo (k) fluoranthene	ND	0.020	"							U
Chrysene	ND	0.020	"							U
Dibenz (a,h) anthracene	ND	0.020	"							U
Fluoranthene	ND	0.020	"							U
Fluorene	ND	0.020	"							U
Indeno (1,2,3-cd) pyrene	ND	0.020	"							U
Naphthalene	ND	0.002	"							U
Pyrene	ND	0.020	"							U
Surrogate: Fluorene-d10	200		ug/kg	200		100	60-130			
Surrogate: Anthracene-d10	200		"	200		102	60-130			
Surrogate: Pyrene-d10	210		"	200		103	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		100	60-130			

LCS (B5E0833-BS1)

Prepared: 05/08/2025 Analyzed: 05/12/2025

1-Methylnaphthalene	0.205	0.002	mg/kg	0.200		102	70-130			
2-Methylnaphthalene	0.205	0.002	"	0.200		102	70-130			
Acenaphthene	0.205	0.020	"	0.200		102	70-130			
Anthracene	0.200	0.020	"	0.200		99.9	70-130			
Benzo (a) anthracene	0.199	0.005	"	0.200		99.6	70-130			
Benzo (a) pyrene	0.205	0.020	"	0.200		103	70-130			

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 Project Number: [none]
 Project: KMG - 1415 Corp Gas Unit 2

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5E0833 - EPA 3580

LCS (B5E0833-BS1)

Prepared: 05/08/2025 Analyzed: 05/12/2025

Benzo (b) fluoranthene	0.187	0.020	mg/kg	0.200		93.5	70-130			
Benzo (k) fluoranthene	0.207	0.020	"	0.200		103	70-130			
Chrysene	0.192	0.020	"	0.200		96.0	70-130			
Dibenz (a,h) anthracene	0.203	0.020	"	0.200		101	70-130			
Fluoranthene	0.204	0.020	"	0.200		102	70-130			
Fluorene	0.202	0.020	"	0.200		101	70-130			
Indeno (1,2,3-cd) pyrene	0.201	0.020	"	0.200		101	70-130			
Naphthalene	0.203	0.002	"	0.200		102	70-130			
Pyrene	0.207	0.020	"	0.200		103	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		99.9	60-130			
Surrogate: Anthracene-d10	200		"	200		101	60-130			
Surrogate: Pyrene-d10	210		"	200		103	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		102	60-130			

Matrix Spike (B5E0833-MS1)

Source: E5E0066-01

Prepared: 05/08/2025 Analyzed: 05/12/2025

1-Methylnaphthalene	0.245	0.002	mg/kg	0.200	ND	123	70-130			
2-Methylnaphthalene	0.246	0.002	"	0.200	ND	123	70-130			
Acenaphthene	0.246	0.020	"	0.200	ND	123	70-130			
Anthracene	0.242	0.020	"	0.200	ND	121	70-130			
Benzo (a) anthracene	0.242	0.005	"	0.200	ND	121	70-130			
Benzo (a) pyrene	0.238	0.020	"	0.200	ND	119	70-130			
Benzo (b) fluoranthene	0.229	0.020	"	0.200	ND	114	70-130			
Benzo (k) fluoranthene	0.216	0.020	"	0.200	ND	108	70-130			
Chrysene	0.233	0.020	"	0.200	ND	117	70-130			
Dibenz (a,h) anthracene	0.232	0.020	"	0.200	ND	116	70-130			
Fluoranthene	0.244	0.020	"	0.200	ND	122	70-130			
Fluorene	0.243	0.020	"	0.200	ND	121	70-130			

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EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5E0833 - EPA 3580

Matrix Spike (B5E0833-MS1)

Source: E5E0066-01

Prepared: 05/08/2025 Analyzed: 05/12/2025

Indeno (1,2,3-cd) pyrene	0.236	0.020	mg/kg	0.200	ND	118	70-130			
Naphthalene	0.244	0.002	"	0.200	ND	122	70-130			
Pyrene	0.248	0.020	"	0.200	ND	124	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		100	60-130			
Surrogate: Anthracene-d10	200		"	200		99.2	60-130			
Surrogate: Pyrene-d10	210		"	200		103	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		100	60-130			

Matrix Spike Dup (B5E0833-MSD1)

Source: E5E0066-01

Prepared: 05/08/2025 Analyzed: 05/12/2025

1-Methylnaphthalene	0.217	0.002	mg/kg	0.200	ND	109	70-130	12.1	20	
2-Methylnaphthalene	0.218	0.002	"	0.200	ND	109	70-130	12.1	20	
Acenaphthene	0.216	0.020	"	0.200	ND	108	70-130	12.9	20	
Anthracene	0.213	0.020	"	0.200	ND	106	70-130	13.0	20	
Benzo (a) anthracene	0.215	0.005	"	0.200	ND	107	70-130	12.0	20	
Benzo (a) pyrene	0.212	0.020	"	0.200	ND	106	70-130	11.5	20	
Benzo (b) fluoranthene	0.199	0.020	"	0.200	ND	99.5	70-130	13.9	20	
Benzo (k) fluoranthene	0.194	0.020	"	0.200	ND	97.0	70-130	11.0	20	
Chrysene	0.206	0.020	"	0.200	ND	103	70-130	12.3	20	
Dibenz (a,h) anthracene	0.214	0.020	"	0.200	ND	107	70-130	8.01	20	
Fluoranthene	0.218	0.020	"	0.200	ND	109	70-130	11.5	20	
Fluorene	0.216	0.020	"	0.200	ND	108	70-130	11.6	20	
Indeno (1,2,3-cd) pyrene	0.212	0.020	"	0.200	ND	106	70-130	10.8	20	
Naphthalene	0.217	0.002	"	0.200	ND	108	70-130	11.9	20	
Pyrene	0.217	0.020	"	0.200	ND	108	70-130	13.4	20	
Surrogate: Fluorene-d10	200		ug/kg	200		99.9	60-130			
Surrogate: Anthracene-d10	200		"	200		100	60-130			
Surrogate: Pyrene-d10	200		"	200		101	60-130			

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Project: KMG - 1415 Corp Gas Unit 2

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B5E0833 - EPA 3580

Matrix Spike Dup (B5E0833-MSD1)

Source: E5E0066-01

Prepared: 05/08/2025 Analyzed: 05/12/2025

Surrogate: Benzo (a) pyrene-d12	200		ug/kg	200		102	60-130			
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Kayla Kenyon For Jordan A. Bynon, Project Manager



Eagle Environmental Consulting, LLC
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Dan Coloccia
 Project Number: [none]
 Project: KMG - 1415 Corp Gas Unit 2

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 B5E0657 - EPA 3550B

Blank (B5E0657-BLK1)

Prepared: 05/06/2025 Analyzed: 05/07/2025

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

LCS (B5E0657-BS1)

Prepared: 05/06/2025 Analyzed: 05/07/2025

Diesel (C10-C28)	930	50.0	mg/kg	1000		93.0	70-130			
Residual Range Organics (C28-C40)	928	200	"	1000		92.8	70-130			
Surrogate: o-Terphenyl	54		"	49.8		108	50-150			

Matrix Spike (B5E0657-MS1)

Source: E5E0094-01

Prepared: 05/06/2025 Analyzed: 05/07/2025

Diesel (C10-C28)	1040	50.0	mg/kg	1000	ND	104	70-130			
Residual Range Organics (C28-C40)	1040	200	"	1000	ND	104	70-130			
Surrogate: o-Terphenyl	52		"	49.8		105	50-150			

Matrix Spike Dup (B5E0657-MSD1)

Source: E5E0094-01

Prepared: 05/06/2025 Analyzed: 05/07/2025

Diesel (C10-C28)	1040	50.0	mg/kg	1000	ND	104	70-130	0.239	35	
Residual Range Organics (C28-C40)	1070	200	"	1000	ND	107	70-130	2.27	35	
Surrogate: o-Terphenyl	62		"	49.8		124	50-150			

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 Project: KMG - 1415 Corp Gas Unit 2

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 B5E0565 - EPA 3050B

Blank (B5E0565-BLK1)

Prepared: 05/05/2025 Analyzed: 05/06/2025

Arsenic	ND	0.290	mg/kg							U
Barium	ND	82.0	"							U
Cadmium	ND	0.380	"							U
Copper	ND	46.0	"							U
Lead	ND	14.0	"							U
Nickel	ND	26.0	"							U
Selenium	ND	0.260	"							U
Silver	ND	0.800	"							U
Zinc	ND	370	"							U

LCS (B5E0565-BS1)

Prepared: 05/05/2025 Analyzed: 05/06/2025

Arsenic	5.17	0.290	mg/kg	5.00		103	80-120			
Barium	499	82.0	"	500		99.8	80-120			
Cadmium	5.64	0.380	"	5.00		113	80-120			
Copper	51.1	46.0	"	50.0		102	80-120			
Lead	5.45	14.0	"	5.00		109	80-120			U
Nickel	5.15	26.0	"	5.00		103	80-120			U
Selenium	5.43	0.260	"	5.00		109	80-120			
Silver	4.78	0.800	"	5.00		95.5	80-120			
Zinc	51.0	370	"	50.0		102	80-120			U

Matrix Spike (B5E0565-MS1)

Source: E5E0066-01

Prepared: 05/05/2025 Analyzed: 05/06/2025

Arsenic	7.98	0.284	mg/kg	4.90	3.00	102	75-125			
Barium	565	80.3	"	490	86.3	97.7	75-125			
Cadmium	5.64	0.372	"	4.90	0.110	113	75-125			
Copper	56.0	45.1	"	49.0	7.36	99.4	75-125			
Lead	11.1	13.7	"	4.90	6.50	93.3	75-125			U

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Dan Coloccia
 Project Number: [none]
 Project: KMG - 1415 Corp Gas Unit 2

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 B5E0565 - EPA 3050B

Matrix Spike (B5E0565-MS1)

Source: E5E0066-01

Prepared: 05/05/2025 Analyzed: 05/06/2025

Nickel	11.4	25.5	mg/kg	4.90	7.41	81.7	75-125			U
Selenium	5.13	0.255	"	4.90	0.156	102	75-125			
Silver	4.79	0.784	"	4.90	0.0196	97.5	75-125			
Zinc	73.4	362	"	49.0	28.5	91.7	75-125			U

Matrix Spike Dup (B5E0565-MSD1)

Source: E5E0066-01

Prepared: 05/05/2025 Analyzed: 05/06/2025

Arsenic	8.29	0.278	mg/kg	4.80	3.00	110	75-125	3.89	20	
Barium	573	78.6	"	480	86.3	102	75-125	1.45	20	
Cadmium	5.62	0.364	"	4.80	0.110	115	75-125	0.443	20	
Copper	58.3	44.1	"	48.0	7.36	106	75-125	3.96	20	
Lead	11.2	13.4	"	4.80	6.50	97.5	75-125	0.937	20	U
Nickel	12.0	24.9	"	4.80	7.41	96.4	75-125	5.34	20	U
Selenium	5.13	0.249	"	4.80	0.156	104	75-125	0.0968	20	
Silver	4.72	0.767	"	4.80	0.0196	98.0	75-125	1.56	20	
Zinc	78.0	355	"	48.0	28.5	103	75-125	6.09	20	U

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Dan Coloccia
 Project Number: [none]
 Project: KMG - 1415 Corp Gas Unit 2

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 B5E0817 - Saturated Paste pH/EC

Blank (B5E0817-BLK1)

Prepared: 05/08/2025 Analyzed: 05/09/2025

Specific Conductance (EC)	ND	0.00500	mmhos/cm							U
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Duplicate (B5E0817-DUP1)

Source: E5E0066-03

Prepared: 05/08/2025 Analyzed: 05/09/2025

Specific Conductance (EC)	0.179	0.00500	mmhos/cm		0.179		0.224		25	
pH	8.32		pH Units		8.32		0.00		25	

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 Project Number: [none]
 Project: KMG - 1415 Corp Gas Unit 2

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 B5E0264 - EPA 5030 (soil)

Blank (B5E0264-BLK1)

Prepared: 05/02/2025 Analyzed: 05/09/2025

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	0.11		"	0.125		84.5	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		96.9	70-130			

LCS (B5E0264-BS1)

Prepared: 05/02/2025 Analyzed: 05/09/2025

1,2,4-Trimethylbenzene	0.116	0.00200	mg/kg	0.100		116	70-130			
1,3,5-Trimethylbenzene	0.116	0.00200	"	0.100		116	70-130			
Benzene	0.106	0.00200	"	0.100		106	70-130			
Ethylbenzene	0.107	0.00200	"	0.100		107	70-130			
Toluene	0.101	0.00200	"	0.100		101	70-130			
o-Xylene	0.110	0.00200	"	0.100		110	70-130			
m,p-Xylene	0.218	0.00400	"	0.200		109	70-130			

Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		84.2	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		91.5	70-130			

Matrix Spike (B5E0264-MS1)

Source: E5E0092-01

Prepared: 05/02/2025 Analyzed: 05/09/2025

1,2,4-Trimethylbenzene	0.104	0.00200	mg/kg	0.100	ND	104	70-130			
1,3,5-Trimethylbenzene	0.102	0.00200	"	0.100	ND	102	70-130			
Benzene	0.0989	0.00200	"	0.100	ND	98.9	70-130			

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 Project Number: [none]
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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 B5E0264 - EPA 5030 (soil)

Matrix Spike (B5E0264-MS1)		Source: E5E0092-01			Prepared: 05/02/2025 Analyzed: 05/09/2025					
Ethylbenzene	0.0973	0.00200	mg/kg	0.100	ND	97.3	70-130			
Toluene	0.0911	0.00200	"	0.100	ND	91.1	70-130			
o-Xylene	0.0993	0.00200	"	0.100	ND	99.3	70-130			
m,p-Xylene	0.200	0.00400	"	0.200	ND	100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		86.0	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		93.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		93.6	70-130			

Matrix Spike Dup (B5E0264-MSD1)		Source: E5E0092-01			Prepared: 05/02/2025 Analyzed: 05/09/2025					
1,2,4-Trimethylbenzene	0.101	0.00200	mg/kg	0.100	ND	101	70-130	2.50	20	
1,3,5-Trimethylbenzene	0.0987	0.00200	"	0.100	ND	98.7	70-130	2.99	20	
Benzene	0.0973	0.00200	"	0.100	ND	97.3	70-130	1.55	20	
Ethylbenzene	0.0943	0.00200	"	0.100	ND	94.3	70-130	3.15	20	
Toluene	0.0883	0.00200	"	0.100	ND	88.3	70-130	3.10	20	
o-Xylene	0.0969	0.00200	"	0.100	ND	96.9	70-130	2.47	20	
m,p-Xylene	0.193	0.00400	"	0.200	ND	96.4	70-130	3.77	20	
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		85.4	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		92.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		93.2	70-130			

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 Project Number: [none]
 Project: KMG - 1415 Corp Gas Unit 2

**Total Metals 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 A102593 -

DUP (L 89968-DUP)		Source: E5E0095-07			Prepared: Analyzed: 05/12/2025					
Chromium, Hexavalent	ND	0.5	mg/Kg		<0.500	-		0.7	20	
MS (L 89968-MS)		Source: E5E0095-07			Prepared: Analyzed: 05/12/2025					
Chromium, Hexavalent	7.32	0.5	mg/Kg	7.94	<0.244	92	75-125			
DUP (L 89987-DUP)		Source: 89987			Prepared: Analyzed: 05/12/2025					
Chromium, Hexavalent	ND	0.503	mg/Kg		<0.503	-		0.5	20	
LCS (LCS)					Prepared: Analyzed: 05/12/2025					
Chromium, Hexavalent	7.19	0.5	mg/Kg	8		90	75-125			
LRB (LRB)					Prepared: Analyzed: 05/12/2025					
Chromium, Hexavalent	ND	0.5	mg/Kg			-				

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 - 1415 Corp Gas Unit 2

**Total Metals 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 A102592 -

DUP (L 89949-DUP)

Source: 89949

Prepared: Analyzed: 05/09/2025

Chromium, Hexavalent

ND 0.5 mg/Kg

<0.500 - 0 20

MS (L 89949-MS)

Source: 89949

Prepared: Analyzed: 05/09/2025

Chromium, Hexavalent

6.19 0.5 mg/Kg 7.96

<0.244 78 75-125

DUP (L 89967-DUP)

Source: E5E0095-06

Prepared: Analyzed: 05/09/2025

Chromium, Hexavalent

ND 0.501 mg/Kg

<0.501 - 0.1 20

LCS (LCS)

Prepared: Analyzed: 05/09/2025

Chromium, Hexavalent

7.39 0.5 mg/Kg

8 92 75-125

LRB (LRB)

Prepared: Analyzed: 05/09/2025

Chromium, Hexavalent

ND 0.5 mg/Kg

-

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Notes and Definitions

- U Sample is Non-Detect.
 - 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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