



Eagle Environmental Consulting, LLC
Dan Coloccia
8000 W 44th Ave

January 29, 2025

Wheat Ridge CO 80033

Project Name - **KMG - Aggregate State 24 22
25-9HZ O SA**

Project Number - **[none]**

Attached are your analytical results for KMG - Aggregate State 24 22 25-9HZ O SA received by Origins Laboratory January 28, 2025. This project is associated with Origins project number E5A0599-01.

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 - Aggregate State 24 22 25-9HZ O
SA

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Initial Waste Characterization@3" E5A0599-01		Soil	January 28, 2025 14:10	01/28/2025 16:01

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

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 - Aggregate State 24 22 25-9HZ O SA

Client: Eagle Environmental (env)

Project Manager: D. Coloccia

Key:

Address: 8000 W 44th Ave

Project Name: Aggregate State 24 22 25-9HZ O SA

W=Water

Telephone Number: Wheat Ridge CO 80033

Project Number: Aggregate State 24 22 25-9HZ O SA

GW=Groundwater

Telephone Number: 303-433-0419

Collected By: Ch

SW=Surface Water

Email Address: d.coloccia@eagle-enviro.com

Invoice/Billing Info: Initial

WW=Waste Water

S=soil | SP=Solid | O=Oil | A=Air | G=Gas | UNP=Unpres | HCL= Hydrochloric | HNO3=nitric | H2SO4=sulfuric | NaOH=sodium Hydroxide

#	Sample ID	Date	Time	Sampled	# of Containers	Matrix Preservative	Analysis				Comments	
1	Initial Waste Concentration eqv	1/28/25	14:10	3	5	UNP						
2												
3												
4												
5												
6												
7												
8												
9												
10												

Relinquished By: Ch. Bsh Date: 1/28/25 Time: 1601

Received By: WS Date: 1/28/25 Time: 1601

Reinforced By: _____ Date: _____ Time: _____

Temp Received: 4.7°C Received On Ice? Yes No

Turnaround Time: SAME DAY 24 Hr 48 Hr 72 Hr

Standard

1725 Elk Place Denver, Co. 80221 | # 303.433.1322 | originslab.com

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

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 - Aggregate State 24 22 25-9HZ O
SA

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: ESR0599

Client: Eagle

Client Project ID: Aggregate State

Checklist Completed by: SKM/JR

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

Date/time completed: 01/28/29

Airbill #: N/A

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

Cooler Number/Temperature: 1147 °c

Thermometer ID: 7-007

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 HNO3, HCL, H2SO4) / (pH >10 for samples preserved with NaAsO2+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 in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) SKM

Date/Time Reviewed 01/28/25

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

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 - Aggregate State 24 22 25-9HZ O
SA

Initial Waste Characterization@3
1/28/2025 2:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory
E5A0599-01 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	24000		250	mg/kg	10	B5A2826	01/28/2025	01/29/2025	
Residual Range Organics (C28-C40)	5470		1000	"	"	"	"	"	

Surrogate: *o*-Terphenyl % 50-150 " " " S-06, U

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	101		5.00	mg/kg	2500	B5A2824	01/28/2025	01/29/2025	
1,3,5-Trimethylbenzene	36.3		0.500	"	250	"	"	01/28/2025	
Benzene	2.71		0.0500	"	25	"	"	01/29/2025	
Ethylbenzene	15.0		0.500	"	250	"	"	01/28/2025	
Toluene	49.7		0.500	"	"	"	"	"	
Xylenes, total	190		0.500	"	"	"	"	"	
Gasoline Range Hydrocarbons	5520		500	"	2500	"	"	01/29/2025	

Surrogate: 1,2-Dichloroethane-d4 104 % 70-130 " " 01/28/2025
 Surrogate: Toluene-d8 111 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 93.5 % 70-130 " " "

Table 915 metals by EPA 6020B

Arsenic	2.29		0.266	mg/kg	10	B5A2835	01/28/2025	01/29/2025	
---------	-------------	--	-------	-------	----	---------	------------	------------	--

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.

Jen Pellegrini 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 - Aggregate State 24 22 25-9HZ O SA

Initial Waste Characterization@3
1/28/2025 2:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory
E5A0599-01 (Soil)

Table 915 metals by EPA 6020B

Barium	47.0		9.19	mg/kg	10	B5A2835	01/28/2025	01/29/2025	
Cadmium	ND		0.0919	"	"	"	"	"	U
Copper	ND		9.19	"	"	"	"	"	U
Lead	4.35		0.919	"	"	"	"	"	
Nickel	6.76		0.919	"	"	"	"	"	
Selenium	ND		0.239	"	"	"	"	"	U
Silver	ND		0.0919	"	"	"	"	"	U
Zinc	ND		34.0	"	"	"	"	"	U

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

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 - Aggregate State 24 22 25-9HZ O
 SA

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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B5A2824 - EPA 5030 (soil)

Blank (B5A2824-BLK1)

Prepared: 01/28/2025 Analyzed: 01/28/2025

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
Naphthalene	ND	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125	104		70-130			
Surrogate: Toluene-d8	0.12		"	0.125	95.2		70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125	105		70-130			

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

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 - Aggregate State 24 22 25-9HZ O
 SA

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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B5A2824 - EPA 5030 (soil)

LCS (B5A2824-BS1)

Prepared: 01/28/2025 Analyzed: 01/28/2025

1,2,4-Trimethylbenzene	0.0896	0.00200	mg/kg	0.100		89.6	70-130			
1,3,5-Trimethylbenzene	0.0930	0.00200	"	0.100		93.0	70-130			
Benzene	0.0900	0.00200	"	0.100		90.0	70-130			
Ethylbenzene	0.0866	0.00200	"	0.100		86.6	70-130			
Naphthalene	0.0892	0.00380	"	0.100		89.2	70-130			
Toluene	0.0868	0.00200	"	0.100		86.8	70-130			
o-Xylene	0.0877	0.00200	"	0.100		87.7	70-130			
m,p-Xylene	0.177	0.00400	"	0.200		88.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		104	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		92.5	70-130			

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

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 - Aggregate State 24 22 25-9HZ O
 SA

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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B5A2824 - EPA 5030 (soil)

Matrix Spike (B5A2824-MS1)	Source: E5A0581-48			Prepared: 01/28/2025 Analyzed: 01/28/2025						
1,2,4-Trimethylbenzene	0.0906	0.00200	mg/kg	0.100	ND	90.6	70-130			
1,3,5-Trimethylbenzene	0.0938	0.00200	"	0.100	ND	93.8	70-130			
Benzene	0.0799	0.00200	"	0.100	ND	79.9	70-130			
Ethylbenzene	0.0869	0.00200	"	0.100	ND	86.9	70-130			
Naphthalene	0.0874	0.00380	"	0.100	ND	87.4	70-130			
Toluene	0.0831	0.00200	"	0.100	ND	83.1	70-130			
o-Xylene	0.0876	0.00200	"	0.100	ND	87.6	70-130			
m,p-Xylene	0.178	0.00400	"	0.200	ND	88.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		98.1	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		95.2	70-130			

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

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 - Aggregate State 24 22 25-9HZ O SA

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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B5A2824 - EPA 5030 (soil)

Matrix Spike Dup (B5A2824-MSD1)	Source: E5A0581-48		Prepared: 01/28/2025 Analyzed: 01/28/2025							
1,2,4-Trimethylbenzene	0.0881	0.00200	mg/kg	0.100	ND	88.1	70-130	2.75	20	
1,3,5-Trimethylbenzene	0.0917	0.00200	"	0.100	ND	91.7	70-130	2.35	20	
Benzene	0.0798	0.00200	"	0.100	ND	79.8	70-130	0.150	20	
Ethylbenzene	0.0855	0.00200	"	0.100	ND	85.5	70-130	1.65	20	
Naphthalene	0.0966	0.00380	"	0.100	ND	96.6	70-130	10.0	20	
Toluene	0.0822	0.00200	"	0.100	ND	82.2	70-130	1.04	20	
o-Xylene	0.0861	0.00200	"	0.100	ND	86.1	70-130	1.73	20	
m,p-Xylene	0.173	0.00400	"	0.200	ND	86.3	70-130	2.97	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		101	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		93.4	70-130			

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

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 - Aggregate State 24 22 25-9HZ O
 SA

**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
Batch B5A2826 - EPA 3550B										
Blank (B5A2826-BLK1)										
					Prepared: 01/28/2025 Analyzed: 01/28/2025					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	19		"	24.9		76.9	50-150			

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

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 - Aggregate State 24 22 25-9HZ O
 SA

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory

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

Batch B5A2826 - EPA 3550B

LCS (B5A2826-BS1)

Prepared: 01/28/2025 Analyzed: 01/28/2025

Diesel (C10-C28)	851	50.0	mg/kg	1000		85.1	70-130			
Residual Range Organics (C28-C40)	917	200	"	1000		91.7	70-130			
Surrogate: o-Terphenyl	41		"	49.8		81.7	50-150			

Origins Laboratory

Jen Pellegrini For Jordan A. Bynon, Project Manager

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 - Aggregate State 24 22 25-9HZ O
 SA

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory

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

Batch B5A2826 - EPA 3550B

Matrix Spike (B5A2826-MS1)	Source: E5A0581-48			Prepared: 01/28/2025 Analyzed: 01/28/2025						
Diesel (C10-C28)	893	50.0	mg/kg	1000	ND	89.3	70-130			
Residual Range Organics (C28-C40)	972	200	"	1000	ND	97.2	70-130			
Surrogate: o-Terphenyl	41		"	49.8		83.1	50-150			

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

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 - Aggregate State 24 22 25-9HZ O
 SA

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5A2826 - EPA 3550B										
Matrix Spike Dup (B5A2826-MSD1)		Source: E5A0581-48			Prepared: 01/28/2025 Analyzed: 01/28/2025					
Diesel (C10-C28)	931	50.0	mg/kg	1000	ND	93.1	70-130	4.19	35	
Residual Range Organics (C28-C40)	1030	200	"	1000	ND	103	70-130	5.80	35	
Surrogate: o-Terphenyl	43		"	49.8		86.7	50-150			

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

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 - Aggregate State 24 22 25-9HZ O SA

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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B5A2835 - EPA 3050B

Blank (B5A2835-BLK1)

Prepared: 01/28/2025 Analyzed: 01/29/2025

Arsenic	ND	0.290	mg/kg							U
Barium	ND	10.0	"							U
Cadmium	ND	0.100	"							U
Copper	ND	10.0	"							U
Lead	ND	1.00	"							U
Nickel	ND	1.00	"							U
Selenium	ND	0.260	"							U
Silver	ND	0.100	"							U
Zinc	ND	37.0	"							U

LCS (B5A2835-BS1)

Prepared: 01/28/2025 Analyzed: 01/29/2025

Arsenic	5.29	0.290	mg/kg	5.00		106	80-120			
Barium	545	10.0	"	500		109	80-120			
Cadmium	5.39	0.100	"	5.00		108	80-120			
Copper	48.7	10.0	"	50.0		97.4	80-120			
Lead	5.55	1.00	"	5.00		111	80-120			
Nickel	5.26	1.00	"	5.00		105	80-120			
Selenium	4.75	0.260	"	5.00		95.1	80-120			
Silver	5.56	0.100	"	5.00		111	80-120			
Zinc	52.8	37.0	"	50.0		106	80-120			

Matrix Spike (B5A2835-MS1)

Source: E5A0598-06

Prepared: 01/28/2025 Analyzed: 01/29/2025

Origins Laboratory

Jen Pellegrini For Jordan A. Bynon, Project Manager

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 - Aggregate State 24 22 25-9HZ O
 SA

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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B5A2835 - EPA 3050B

Matrix Spike (B5A2835-MS1)	Source: E5A0598-06			Prepared: 01/28/2025 Analyzed: 01/29/2025						
Arsenic	7.94	0.284	mg/kg	4.90	2.63	108	75-125			
Barium	616	9.79	"	490	76.3	110	75-125			
Cadmium	5.43	0.0979	"	4.90	0.134	108	75-125			
Copper	59.4	9.79	"	49.0	6.83	107	75-125			
Lead	11.0	0.979	"	4.90	6.80	85.9	75-125			
Nickel	10.2	0.979	"	4.90	5.77	90.9	75-125			
Selenium	4.96	0.255	"	4.90	0.0688	99.9	75-125			
Silver	5.41	0.0979	"	4.90	0.0255	110	75-125			
Zinc	77.7	36.2	"	49.0	28.0	102	75-125			
Matrix Spike Dup (B5A2835-MSD1)	Source: E5A0598-06			Prepared: 01/28/2025 Analyzed: 01/29/2025						
Arsenic	7.09	0.245	mg/kg	4.23	2.63	105	75-125	11.3	20	
Barium	545	8.46	"	423	76.3	111	75-125	12.2	20	
Cadmium	4.90	0.0846	"	4.23	0.134	113	75-125	10.2	20	
Copper	52.3	8.46	"	42.3	6.83	107	75-125	12.7	20	
Lead	11.2	0.846	"	4.23	6.80	104	75-125	1.63	20	
Nickel	9.80	0.846	"	4.23	5.77	95.1	75-125	4.25	20	
Selenium	4.04	0.220	"	4.23	0.0688	94.0	75-125	20.3	20	QR-02
Silver	4.99	0.0846	"	4.23	0.0255	117	75-125	8.01	20	
Zinc	74.6	31.3	"	42.3	28.0	110	75-125	4.15	20	

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

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 - Aggregate State 24 22 25-9HZ O
SA

Notes and Definitions

- U Sample is Non-Detect.
- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- 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.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- All soil results are reported on a wet weight basis.

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

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.