



October 17, 2023

Eagle Environmental Consulting, LLC

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - Fehrn 26-32

Project Number - [none]

Attached are your analytical results for KMG - Fehrn 26-32 received by Origins Laboratory, Inc. September 26, 2023. This project is associated with Origins project number Y309611-01.

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, Inc.
303.433.1322
o-squad@oelabinc.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 - Fehr 26-32

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-B01@8'	Y309611-01	Soil	September 26, 2023 11:00	09/26/2023 13:55
FL-B01@5'	Y309611-02	Soil	September 26, 2023 11:02	09/26/2023 13:55
FL-B04@5'	Y309611-03	Soil	September 26, 2023 11:16	09/26/2023 13:55
WH-BG01@3'	Y309611-04	Soil	September 26, 2023 11:30	09/26/2023 13:55
WH-BG01@6'	Y309611-05	Soil	September 26, 2023 11:32	09/26/2023 13:55

Origins Laboratory, Inc.



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 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
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 Project: KMG - Fehr 26-32

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



4809011

www.originslaboratory.com

Initial
 page 1 of 1

Client: Eagle Environmental (Oxy)
 Address: 8000 W. 44th Ave
Wheat Ridge, CO 80033
 Telephone Number: 303-433-0479
 Email Address: dcoloccia@eagle-enviro.com
 Project Manager: D. Coloccia
 Project Name: Fehr 26-32
 Project Number: -
 Samples Collected By: AK

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative			Matrix			Analysis			Sample Instructions					
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa Canister #	Other	Full table 915-1		EC/pH	SAR	Cation Metals	Anions AR	
WH-Boiler1	9-26-23	1100	3	X				X										
FL-Boiler1		1102	3						X									
FL-Boiler1		1116	3							X								
WH-Boiler3		1130	2							X	X	X	X					
WH-Boiler1		1132	2							X	X	X	X					

Relinquished By: AK Date: 9-26-23 Time: _____
 Received By: AK Date: 9/26/23 Time: 1355
 Turnaround Time: Same Day 24 Hr 48 Hr 72 Hr Standard

Temp Received: 24 Date Results Needed

Origins Laboratory, Inc.

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Fehr 26-32

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: Y30A111

Client: Eagle

Client Project ID: Fehr 26-32

Checklist Completed by: JAH/ACW

Shipped Via: HD

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

Date/time completed: 9/20/12

Airbill #: N/A

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

Cooler Number/Temperature: 1, 7.4 °C _____ °C _____ °C (Describe)

Thermometer ID: 7004

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 in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) [Signature]

Date/Time Reviewed 9/20/12

Origins Laboratory, Inc.

[Signature]

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Fehr 26-32

WH-B01@8'
9/26/2023 11:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y309611-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.453		0.0984	mg/L	1	B312717	09/27/2023	09/29/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B312642	09/26/2023	09/26/2023	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	95.0 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B312647	09/26/2023	09/26/2023	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	116 %		70-130			"	"	"	
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Dan Coloccia
 Project Number: [none]
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WH-B01@8'

9/26/2023 11:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y309611-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	98.8 %		70-130			B31264 7	09/26/2023	09/26/2023	
Surrogate: 4-Bromofluorobenzene	104 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	11.6		0.499	meq/L	10	[CALC]	09/27/2023	09/28/2023	
Magnesium	3.51		0.823	"	"	"	"	"	
Sodium	5.36		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L708377	10/03/2023	10/03/2023	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	0.0015	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	0.000638	0.000614	0.00067	"	"	"	"	"	J
Fluoranthene	0.00102	0.000394	0.00067	"	"	"	"	"	
Fluorene	ND	0.000286	0.00067	"	"	"	"	"	

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WH-B01@8'
9/26/2023 11:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y309611-01 (Soil)

PAH by 8270D SIM

Indeno(1,2,3-cd)pyrene	0.00195	0.000627	0.00067	mg/Kg	1	L708377	10/03/2023	10/03/2023	
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"	
Pyrene	0.0013	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	56.2 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	53.8 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	60.4 %		29-110			"	"	"	

pH in Soil by 9045D

pH	8.00			pH Units	1	B312720	09/27/2023	09/28/2023	
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SAR by 20B Saturated Paste

SAR	1.95		0.0100	SAR	1	B312711	09/27/2023	09/28/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	2.04		0.00500	mmhos/cm	1	B312720	09/27/2023	09/28/2023	
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Table 915 metals by EPA 6020B

Arsenic	1.94		0.0993	mg/kg	10	B312703	09/27/2023	09/29/2023	
Barium	91.0		9.93	"	"	"	"	"	

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 Project Number: [none]
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WH-B01@8'

9/26/2023 11:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y309611-01 (Soil)

Table 915 metals by EPA 6020B

Cadmium	0.224		0.0993	mg/kg	10	B312703	09/27/2023	09/29/2023	
Copper	11.0		9.93	"	"	"	"	"	
Lead	11.4		9.93	"	"	"	"	"	
Nickel	ND		9.93	"	"	"	"	"	
Selenium	0.200		0.0993	"	"	"	"	"	
Silver	0.103		0.0993	"	"	"	"	"	
Zinc	ND		99.3	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L709489	09/26/2023	10/09/2023	
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 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Fehr 26-32

FL-B01@5'
9/26/2023 11:02:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y309611-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.392		0.101	mg/L	1	B312717	09/27/2023	09/29/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B312642	09/26/2023	09/26/2023	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	87.5 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B312647	09/26/2023	09/26/2023	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	118 %		70-130			"	"	"	
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Dan Coloccia
 Project Number: [none]
 Project: KMG - Fehr 26-32

FL-B01@5'

9/26/2023 11:02:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y309611-02 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	101 %		70-130			B31264 7	09/26/2023	09/26/2023	
Surrogate: 4-Bromofluorobenzene	100 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	4.67		0.499	meq/L	10	[CALC]	09/27/2023	09/28/2023	
Magnesium	1.62		0.823	"	"	"	"	"	
Sodium	2.83		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L708377	10/03/2023	10/03/2023	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	0.0006	0.000493	0.00067	"	"	"	"	"	J
Benzo(a)pyrene	0.00175	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	0.00182	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	0.000462	0.000437	0.00067	"	"	"	"	"	J
Chrysene	0.0012	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	0.000796	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	0.00148	0.000394	0.00067	"	"	"	"	"	
Fluorene	ND	0.000286	0.00067	"	"	"	"	"	

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FL-B01@5'
9/26/2023 11:02:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y309611-02 (Soil)

PAH by 8270D SIM

Indeno(1,2,3-cd)pyrene	0.00257	0.000627	0.00067	mg/Kg	1	L708377	10/03/2023	10/03/2023	
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"	
Pyrene	0.00175	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	52.3 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	46.8 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	55.6 %		29-110			"	"	"	

pH in Soil by 9045D

pH	8.01			pH Units	1	B312720	09/27/2023	09/28/2023	
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SAR by 20B Saturated Paste

SAR	1.59		0.0100	SAR	1	B312711	09/27/2023	09/28/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.930		0.00500	mmhos/cm	1	B312720	09/27/2023	09/28/2023	
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Table 915 metals by EPA 6020B

Arsenic	2.90		0.0909	mg/kg	10	B312703	09/27/2023	09/29/2023	
Barium	152		9.09	"	"	"	"	"	

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Fehr 26-32

FL-B01@5'

9/26/2023 11:02:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y309611-02 (Soil)

Table 915 metals by EPA 6020B

Cadmium	0.316		0.0909	mg/kg	10	B312703	09/27/2023	09/29/2023	
Copper	13.4		9.09	"	"	"	"	"	
Lead	13.6		9.09	"	"	"	"	"	
Nickel	ND		9.09	"	"	"	"	"	
Selenium	0.223		0.0909	"	"	"	"	"	
Silver	0.133		0.0909	"	"	"	"	"	
Zinc	ND		90.9	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L709489	09/26/2023	10/09/2023	
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 8000 W 44th Ave
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Dan Coloccia
 Project Number: [none]
 Project: KMG - Fehr 26-32

FL-B04@5'

9/26/2023 11:16:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y309611-03 (Soil)

Boron (DTPA Sorbitol)

Boron	0.0991		0.0987	mg/L	1	B312717	09/27/2023	09/29/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B312642	09/26/2023	09/26/2023	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	95.1 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B312647	09/26/2023	09/26/2023	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	118 %		70-130			"	"	"	
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 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Fehr 26-32

FL-B04@5'

9/26/2023 11:16:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y309611-03 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	99.6 %		70-130			B31264 7	09/26/2023	09/26/2023	
Surrogate: 4-Bromofluorobenzene	98.8 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	0.906		0.499	meq/L	10	[CALC]	09/27/2023	09/28/2023	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	1.90		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L708377	10/03/2023	10/03/2023	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	0.00066	0.000585	0.00067	"	"	"	"	"	J
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	0.000463	0.000394	0.00067	"	"	"	"	"	J

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Fehr 26-32

FL-B04@5'

9/26/2023 11:16:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y309611-03 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L708377	10/03/2023	10/03/2023	
Indeno(1,2,3-cd)pyrene	0.000723	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	48.3 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	46.2 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	51.4 %		29-110			"	"	"	

pH in Soil by 9045D

pH	8.36			pH Units	1	B312720	09/27/2023	09/28/2023	
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SAR by 20B Saturated Paste

SAR	2.36		0.0100	SAR	1	B312711	09/27/2023	09/28/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.346		0.00500	mmhos/cm	1	B312720	09/27/2023	09/28/2023	
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Table 915 metals by EPA 6020B

Arsenic	2.19		0.0949	mg/kg	10	B312703	09/27/2023	09/29/2023	
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Origins Laboratory, Inc.



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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Fehr 26-32

FL-B04@5'

9/26/2023 11:16:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y309611-03 (Soil)

Table 915 metals by EPA 6020B

Barium	49.8		9.49	mg/kg	10	B312703	09/27/2023	09/29/2023	
Cadmium	ND		0.0949	"	"	"	"	"	
Copper	ND		9.49	"	"	"	"	"	
Lead	ND		9.49	"	"	"	"	"	
Nickel	ND		9.49	"	"	"	"	"	
Selenium	ND		0.0949	"	"	"	"	"	
Silver	ND		0.0949	"	"	"	"	"	
Zinc	ND		94.9	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	10.9	1.22	2.5	mg/Kg	5	L709767	09/26/2023	10/10/2023	
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Origins Laboratory, Inc.



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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Fehr 26-32

WH-BG01@3'
9/26/2023 11:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y309611-04 (Soil)

Boron (DTPA Sorbitol)

Boron	0.480		0.101	mg/L	1	B312717	09/27/2023	09/29/2023	
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Metals by Saturated Paste by EPA 6010

Calcium	27.0		0.499	meq/L	10	[CALC]	09/27/2023	09/28/2023	
Magnesium	13.6		0.823	"	"	"	"	"	
Sodium	20.2		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.09			pH Units	1	B312720	09/27/2023	09/28/2023	
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SAR by 20B Saturated Paste

SAR	4.48		0.0100	SAR	1	B312711	09/27/2023	09/28/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	4.26		0.00500	mmhos/cm	1	B312720	09/27/2023	09/28/2023	
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Table 915 metals by EPA 6020B

Arsenic	1.78		0.0841	mg/kg	10	B312703	09/27/2023	09/29/2023	
Barium	58.1		8.41	"	"	"	"	"	
Cadmium	ND		0.0841	"	"	"	"	"	
Copper	ND		8.41	"	"	"	"	"	

Origins Laboratory, Inc.



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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Fehr 26-32

WH-BG01@3'

9/26/2023 11:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y309611-04 (Soil)

Table 915 metals by EPA 6020B

Lead	ND		8.41	mg/kg	10	B312703	09/27/2023	09/29/2023	
Nickel	ND		8.41	"	"	"	"	"	
Selenium	ND		0.0841	"	"	"	"	"	
Silver	ND		0.0841	"	"	"	"	"	
Zinc	ND		84.1	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.253	0.52	mg/Kg	1	L709489	09/26/2023	10/09/2023	
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Origins Laboratory, Inc.



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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Fehr 26-32

WH-BG01@6'
9/26/2023 11:32:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y309611-05 (Soil)

Boron (DTPA Sorbitol)

Boron	0.481		0.0984	mg/L	1	B312717	09/27/2023	09/29/2023	
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Metals by Saturated Paste by EPA 6010

Calcium	25.6		0.499	meq/L	10	[CALC]	09/27/2023	09/28/2023	
Magnesium	12.6		0.823	"	"	"	"	"	
Sodium	18.8		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.12			pH Units	1	B312720	09/27/2023	09/28/2023	
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SAR by 20B Saturated Paste

SAR	4.29		0.0100	SAR	1	B312711	09/27/2023	09/28/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	4.24		0.00500	mmhos/cm	1	B312720	09/27/2023	09/28/2023	
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Table 915 metals by EPA 6020B

Arsenic	1.94		0.0894	mg/kg	10	B312703	09/27/2023	09/29/2023	
Barium	64.8		8.94	"	"	"	"	"	
Cadmium	ND		0.0894	"	"	"	"	"	
Copper	ND		8.94	"	"	"	"	"	

Origins Laboratory, Inc.



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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Fehr 26-32

WH-BG01@6'

9/26/2023 11:32:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y309611-05 (Soil)

Table 915 metals by EPA 6020B

Lead	ND		8.94	mg/kg	10	B312703	09/27/2023	09/29/2023	
Nickel	ND		8.94	"	"	"	"	"	
Selenium	ND		0.0894	"	"	"	"	"	
Silver	ND		0.0894	"	"	"	"	"	
Zinc	ND		89.4	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L709489	09/26/2023	10/09/2023	
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Dan Coloccia
 Project Number: [none]
 Project: KMG - Fehr 26-32

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B312642 - EPA 3550B										
Blank (B312642-BLK1)										
					Prepared: 09/26/2023 Analyzed: 09/27/2023					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	24		"	24.9		96.3	50-150			

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Fehr 26-32

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B312642 - EPA 3550B

LCS (B312642-BS1)

Prepared: 09/26/2023 Analyzed: 09/27/2023

Diesel (C10-C28)	910	50.0	mg/kg	1000		91.0	70-130			
Residual Range Organics (C28-C40)	958	200	"	1000		95.8	70-130			
Surrogate: o-Terphenyl	44		"	49.8		89.0	50-150			

Origins Laboratory, Inc.



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Dan Coloccia
 Project Number: [none]
 Project: KMG - Fehr 26-32

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B312642 - EPA 3550B										
Matrix Spike (B312642-MS1)		Source: Y309225-03			Prepared: 09/26/2023 Analyzed: 09/27/2023					
Diesel (C10-C28)	3700	50.0	mg/kg	1000	3120	58.1	70-130			QM-07
Residual Range Organics (C28-C40)	951	200	"	1000	120	83.2	70-130			
Surrogate: o-Terphenyl	58		"	49.8		116	50-150			

Origins Laboratory, Inc.



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Dan Coloccia
 Project Number: [none]
 Project: KMG - Fehr 26-32

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B312642 - EPA 3550B										
Matrix Spike Dup (B312642-MSD1)					Source: Y309225-03					Prepared: 09/26/2023 Analyzed: 09/27/2023
Diesel (C10-C28)	4980	50.0	mg/kg	1000	3120	187	70-130	29.7	35	QM-07
Residual Range Organics (C28-C40)	968	200	"	1000	120	84.8	70-130	1.71	35	
Surrogate: o-Terphenyl	44		"	49.8		88.5	50-150			

Origins Laboratory, Inc.



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 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Fehr 26-32

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B312647 - EPA 5030 (soil)

Blank (B312647-BLK1)

Prepared: 09/26/2023 Analyzed: 09/26/2023

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	0.15		"	0.125	119		70-130			
Surrogate: Toluene-d8	0.12		"	0.125	96.8		70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125	99.6		70-130			

Origins Laboratory, Inc.



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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Fehr 26-32

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B312647 - EPA 5030 (soil)

LCS (B312647-BS1)

Prepared: 09/26/2023 Analyzed: 09/26/2023

1,2,4-Trimethylbenzene	0.116	0.00200	mg/kg	0.100		116	70-130			
1,3,5-Trimethylbenzene	0.113	0.00200	"	0.100		113	70-130			
Benzene	0.112	0.00200	"	0.100		112	70-130			
Ethylbenzene	0.104	0.00200	"	0.100		104	70-130			
Naphthalene	0.119	0.00380	"	0.100		119	70-130			
Toluene	0.106	0.00200	"	0.100		106	70-130			
o-Xylene	0.112	0.00200	"	0.100		112	70-130			
m,p-Xylene	0.186	0.00400	"	0.200		92.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.15		"	0.125		116	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		107	70-130			

Origins Laboratory, Inc.



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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Fehr 26-32

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B312647 - EPA 5030 (soil)

Matrix Spike (B312647-MS1)	Source: Y309609-01			Prepared: 09/26/2023 Analyzed: 09/26/2023						
1,2,4-Trimethylbenzene	0.118	0.00200	mg/kg	0.100	ND	118	70-130			
1,3,5-Trimethylbenzene	0.117	0.00200	"	0.100	ND	117	70-130			
Benzene	0.110	0.00200	"	0.100	ND	110	70-130			
Ethylbenzene	0.108	0.00200	"	0.100	ND	108	70-130			
Naphthalene	0.121	0.00380	"	0.100	0.000920	120	70-130			
Toluene	0.108	0.00200	"	0.100	ND	108	70-130			
o-Xylene	0.117	0.00200	"	0.100	ND	117	70-130			
m,p-Xylene	0.198	0.00400	"	0.200	ND	98.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		113	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		110	70-130			

Origins Laboratory, Inc.



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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Fehr 26-32

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3I2647 - EPA 5030 (soil)

Matrix Spike Dup (B3I2647-MSD1)	Source: Y309609-01			Prepared: 09/26/2023 Analyzed: 09/26/2023						
1,2,4-Trimethylbenzene	0.114	0.00200	mg/kg	0.100	ND	114	70-130	3.06	20	
1,3,5-Trimethylbenzene	0.113	0.00200	"	0.100	ND	113	70-130	3.68	20	
Benzene	0.106	0.00200	"	0.100	ND	106	70-130	3.88	20	
Ethylbenzene	0.105	0.00200	"	0.100	ND	105	70-130	2.69	20	
Naphthalene	0.119	0.00380	"	0.100	0.000920	119	70-130	1.31	20	
Toluene	0.101	0.00200	"	0.100	ND	101	70-130	6.19	20	
o-Xylene	0.113	0.00200	"	0.100	ND	113	70-130	3.54	20	
m,p-Xylene	0.188	0.00400	"	0.200	ND	94.2	70-130	4.85	20	
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		113	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		109	70-130			

Origins Laboratory, Inc.



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 - Fehr 26-32

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Metals by EPA 6000/7000 Series Methods - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3I2703 - EPA 3050B

Blank (B3I2703-BLK1)

Prepared: 09/27/2023 Analyzed: 09/29/2023

Arsenic	ND	0.000100	mg/kg							
Barium	ND	0.0100	"							
Cadmium	ND	0.000100	"							
Copper	ND	0.0100	"							
Lead	ND	0.0100	"							
Nickel	ND	0.0100	"							
Selenium	ND	0.000100	"							
Silver	ND	0.000100	"							
Zinc	ND	0.100	"							

LCS (B3I2703-BS1)

Prepared: 09/27/2023 Analyzed: 09/29/2023

Arsenic	0.0521	0.000100	mg/kg	0.0500		104	80-120			
Barium	5.26	0.0100	"	5.00		105	80-120			
Cadmium	0.0541	0.000100	"	0.0500		108	80-120			
Copper	0.519	0.0100	"	0.500		104	80-120			
Lead	0.0527	0.0100	"	0.0500		105	80-120			
Nickel	0.0513	0.0100	"	0.0500		103	80-120			
Selenium	0.0496	0.000100	"	0.0500		99.3	80-120			
Silver	0.0558	0.000100	"	0.0500		112	80-120			
Zinc	0.500	0.100	"	0.500		100	80-120			

Matrix Spike (B3I2703-MS1)

Source: Y309611-01

Prepared: 09/27/2023 Analyzed: 09/29/2023

Origins Laboratory, Inc.



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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Fehr 26-32

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3I2703 - EPA 3050B

Matrix Spike (B3I2703-MS1)		Source: Y309611-01			Prepared: 09/27/2023 Analyzed: 09/29/2023					
Arsenic	6.96	0.0888	mg/kg	4.44	1.94	113	75-125			
Barium	639	8.88	"	444	91.0	123	75-125			
Cadmium	4.98	0.0888	"	4.44	0.224	107	75-125			
Copper	54.9	8.88	"	44.4	11.0	98.7	75-125			
Lead	14.2	8.88	"	4.44	11.4	61.9	75-125			QM-07
Nickel	10.1	8.88	"	4.44	6.44	81.6	75-125			
Selenium	4.30	0.0888	"	4.44	0.200	92.3	75-125			
Silver	4.99	0.0888	"	4.44	0.103	110	75-125			
Zinc	77.5	88.8	"	44.4	39.5	85.5	75-125			

Matrix Spike Dup (B3I2703-MSD1)		Source: Y309611-01			Prepared: 09/27/2023 Analyzed: 09/29/2023					
Arsenic	7.63	0.0962	mg/kg	4.81	1.94	118	75-125	9.16	20	
Barium	670	9.62	"	481	91.0	120	75-125	4.74	20	
Cadmium	5.68	0.0962	"	4.81	0.224	113	75-125	13.2	20	
Copper	61.9	9.62	"	48.1	11.0	106	75-125	12.1	20	
Lead	15.9	9.62	"	4.81	11.4	92.8	75-125	11.4	20	
Nickel	11.1	9.62	"	4.81	6.44	97.7	75-125	10.2	20	
Selenium	5.11	0.0962	"	4.81	0.200	102	75-125	17.2	20	
Silver	5.67	0.0962	"	4.81	0.103	116	75-125	12.7	20	
Zinc	86.5	96.2	"	48.1	39.5	97.8	75-125	11.0	20	

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Fehr 26-32

Classical Chemistry Parameters - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3I2711 - Saturated Paste Metals

Blank (B3I2711-BLK1)

Prepared: 09/27/2023 Analyzed: 09/28/2023

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

Duplicate (B3I2711-DUP1)

Source: Y309609-01

Prepared: 09/27/2023 Analyzed: 09/28/2023

Calcium PPM	31.0	10.0	mg/L		37.5			19.0	50	
SAR	ND	0.0100	SAR		0.0999				200	
Magnesium PPM	5.01	10.0	mg/L		5.88			16.0	50	
Sodium PPM	2.09	10.0	"		2.49			17.5	50	

Batch B3I2717 - DTPA Sorbitol Preparation

Blank (B3I2717-BLK1)

Prepared: 09/27/2023 Analyzed: 09/29/2023

Boron	ND	0.100	mg/L							
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Duplicate (B3I2717-DUP1)

Source: Y309609-02

Prepared: 09/27/2023 Analyzed: 09/29/2023

Boron	0.0653	0.0983	mg/L		0.0646			1.10	50	
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Dan Coloccia
 Project Number: [none]
 Project: KMG - Fehr 26-32

Saturated Paste - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B312720 - Saturated Paste pH/EC										
Blank (B312720-BLK1)					Prepared: 09/27/2023 Analyzed: 09/28/2023					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							
Duplicate (B312720-DUP1)					Source: Y309609-01 Prepared: 09/27/2023 Analyzed: 09/28/2023					
pH	7.30		pH Units		7.53			3.10	25	
Specific Conductance (EC)	0.315	0.00500	mmhos/cm		0.348			9.99	25	

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 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Fehr 26-32

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 L708377 - 3550B

MSD (L 97241-MSD-L708377)		Source: 97241			Prepared: 10/03/2023 Analyzed: 10/03/2023					
Benzo(k)fluoranthene	0.072	0.00067	mg/Kg	0.166	<0.000437	43.3	30-130	14.4	30	
Pyrene	0.102	0.00067	"	0.166	<0.000643	61.4	30-130	10.2	30	
Naphthalene	0.0849	0.00201	"	0.166	<0.00145	51.1	30-130	14.8	30	
Indeno(1,2,3-cd)pyrene	0.141	0.00067	"	0.166	<0.000627	84.9	30-130	0.7	30	
Fluorene	0.0852	0.00067	"	0.166	<0.000286	51.3	30-130	10.2	30	
Fluoranthene	0.105	0.00067	"	0.166	<0.000394	63.2	30-130	11.6	30	
Dibenz(a,h)anthracene	0.123	0.00067	"	0.166	0.00102	73.4	30-130	1.6	30	
Chrysene	0.0974	0.00067	"	0.166	<0.000624	58.6	30-130	10.3	30	
Anthracene	0.104	0.00067	"	0.166	<0.000334	62.6	30-130	9.1	30	
1-Methylnaphthalene	0.096	0.00201	"	0.166	<0.00109	57.8	30-130	13.5	30	
Benzo(b)fluoranthene	0.115	0.00067	"	0.166	<0.000585	69.2	30-130	10	30	
2-Methylnaphthalene	0.0987	0.00201	"	0.166	<0.00194	59.4	30-130	12.6	30	
Acenaphthene	0.0944	0.00067	"	0.166	<0.000304	56.8	30-130	11.5	30	
Benzo(a)anthracene	0.116	0.00067	"	0.166	<0.000493	69.8	30-130	12.1	30	
Benzo(a)pyrene	0.107	0.00067	"	0.166	<0.000468	64.4	30-130	12.2	30	
Surrogate: 4-Terphenyl-d14	52.8		"	0.331	165	52.8	33-122			
Surrogate: Nitrobenzene-d5	59.8		"	0.331	190	59.8	29-110			
Surrogate: 2-Fluorobiphenyl	54.9		"	0.331	187	54.9	33-115			

MS (L 97241-MS-L708377)		Source: 97241			Prepared: 10/03/2023 Analyzed: 10/03/2023					
Dibenz(a,h)anthracene	0.125	0.00067	mg/Kg	0.167	0.00102	74.2	30-130			
Benzo(b)fluoranthene	0.104	0.00067	"	0.167	<0.000585	62.2	30-130			
Indeno(1,2,3-cd)pyrene	0.142	0.00067	"	0.167	<0.000627	85	30-130			
Fluoranthene	0.118	0.00067	"	0.167	<0.000394	70.6	30-130			
Pyrene	0.113	0.00067	"	0.167	<0.000643	67.6	30-130			
Chrysene	0.108	0.00067	"	0.167	<0.000624	64.6	30-130			
Benzo(k)fluoranthene	0.0832	0.00067	"	0.167	<0.000437	49.8	30-130			

Origins Laboratory, Inc.



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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Fehr 26-32

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 L708377 - 3550B

MS (L 97241-MS-L708377)	Source: 97241			Prepared: 10/03/2023 Analyzed: 10/03/2023						
Naphthalene	0.0985	0.00201	mg/Kg	0.167	<0.00145	58.9	30-130			
Benzo(a)anthracene	0.131	0.00067	"	0.167	<0.000493	78.4	30-130			
Anthracene	0.114	0.00067	"	0.167	<0.000334	68.2	30-130			
Acenaphthene	0.106	0.00067	"	0.167	<0.000304	63.4	30-130			
2-Methylnaphthalene	0.112	0.00201	"	0.167	<0.00194	67	30-130			
1-Methylnaphthalene	0.11	0.00201	"	0.167	<0.00109	65.8	30-130			
Benzo(a)pyrene	0.121	0.00067	"	0.167	<0.000468	72.4	30-130			
Fluorene	0.0944	0.00067	"	0.167	<0.000286	56.5	30-130			
Surrogate: Nitrobenzene-d5	64.5		"	0.333	190	64.5	29-110			
Surrogate: 4-Terphenyl-d14	56.7		"	0.333	165	56.7	33-122			
Surrogate: 2-Fluorobiphenyl	58.2		"	0.333	187	58.2	33-115			

LCS (LCS-L708377)	Prepared: 10/03/2023 Analyzed: 10/03/2023									
Benzo(a)pyrene	0.115	0.00067	mg/Kg	0.167		68.8	30-130			
Benzo(b)fluoranthene	0.122	0.00067	"	0.167		73	30-130			
Benzo(k)fluoranthene	0.0778	0.00067	"	0.167		46.5	30-130			
Dibenz(a,h)anthracene	0.131	0.00067	"	0.167		78.4	30-130			
Fluorene	0.0887	0.00067	"	0.167		53.1	30-130			
Benzo(a)anthracene	0.117	0.00067	"	0.167		70	30-130			
Naphthalene	0.0905	0.00201	"	0.167		54.1	30-130			
Chrysene	0.108	0.00067	"	0.167		64.6	30-130			
Pyrene	0.106	0.00067	"	0.167		63.4	30-130			
Indeno(1,2,3-cd)pyrene	0.151	0.00067	"	0.167		90.4	30-130			
Acenaphthene	0.0978	0.00067	"	0.167		58.5	30-130			
2-Methylnaphthalene	0.105	0.00201	"	0.167		62.8	30-130			
1-Methylnaphthalene	0.103	0.00201	"	0.167		61.6	30-130			
Fluoranthene	0.11	0.00067	"	0.167		65.8	30-130			

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 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Fehr 26-32

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 L708377 - 3550B

LCS (LCS-L708377)

Prepared: 10/03/2023 Analyzed: 10/03/2023

Anthracene	0.11	0.00067	mg/Kg	0.167		65.8	30-130			
Surrogate: Nitrobenzene-d5	63.3		"	0.333		63.3	29-110			
Surrogate: 4-Terphenyl-d14	55.2		"	0.333		55.2	33-122			
Surrogate: 2-Fluorobiphenyl	60.9		"	0.333		60.9	33-115			

LRB (LRB-L708377)

Prepared: 10/03/2023 Analyzed: 10/03/2023

Indeno(1,2,3-cd)pyrene	ND	0.00067	mg/Kg				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Naphthalene	ND	0.00201	"				-			
Fluoranthene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00201	"				-			
1-Methylnaphthalene	ND	0.00201	"				-			
Pyrene	ND	0.00067	"				-			
Surrogate: 2-Fluorobiphenyl	59.4		"	0.333		59.4	33-115			
Surrogate: Nitrobenzene-d5	50.1		"	0.333		50.1	29-110			
Surrogate: 4-Terphenyl-d14	52.5		"	0.333		52.5	33-122			

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Fehr 26-32

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
Batch L709767 -										
DUP (L 97349-DUP)		Source: 97349			Prepared: Analyzed: 10/10/2023					
Chromium, Hexavalent	ND	0.5	mg/Kg		<0.500		-	0	20	
MS (L 97349-MS)		Source: 97349			Prepared: Analyzed: 10/10/2023					
Chromium, Hexavalent	34	2.5	mg/Kg	38.5	<1.22	88	75-125			
LCS (LCS)		Prepared: Analyzed: 10/10/2023								
Chromium, Hexavalent	6.8	0.5	mg/Kg	8		85	75-125			
LRB (LRB)		Prepared: Analyzed: 10/10/2023								
Chromium, Hexavalent	ND	0.5	mg/Kg				-			

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 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Fehr 26-32

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 L709489 -

DUP (L 84711-DUP)		Source: Y309611-04			Prepared: Analyzed: 10/09/2023					
Chromium, Hexavalent	ND	0.5	mg/Kg		<0.500		-	0	20	
MS (L 84711-MS)		Source: Y309611-04			Prepared: Analyzed: 10/09/2023					
Chromium, Hexavalent	32.2	2.5	mg/Kg	38.6	<1.22	83	75-125			

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

Dan Coloccia
Project Number: [none]
Project: KMG - Fehr 26-32

Notes and Definitions

U Sample is Non-Detect.

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.

Origins Laboratory, Inc.



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Jordan A. Bynon, Project Manager