



June 09, 2022

Eagle Environmental Consulting, Inc.

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - UPRC 9-11K

Project Number - -

Attached are your analytical results for KMG - UPRC 9-11K received by Origins Laboratory, Inc. June 01, 2022. This project is associated with Origins project number Y206040-01.

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, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: -
Project: KMG - UPRC 9-11K

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-B01@6'	Y206040-01	Soil	June 1, 2022 14:00	06/01/2022 18:24
WH-BG01@3'	Y206040-02	Soil	June 1, 2022 14:27	06/01/2022 18:24
WH-BG01@6'	Y206040-03	Soil	June 1, 2022 14:30	06/01/2022 18:24
WH-BG02@3'	Y206040-04	Soil	June 1, 2022 14:33	06/01/2022 18:24
WH-BG02@6'	Y206040-05	Soil	June 1, 2022 14:37	06/01/2022 18:24
WH-BG03@3'	Y206040-06	Soil	June 1, 2022 14:40	06/01/2022 18:24
WH-BG03@6'	Y206040-07	Soil	June 1, 2022 14:43	06/01/2022 18:24
FL-B01@5'	Y206040-08	Soil	June 1, 2022 14:46	06/01/2022 18:24
FL-B05@4'	Y206040-09	Soil	June 1, 2022 14:58	06/01/2022 18:24

Origins Laboratory, Inc.



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 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: -
 Project: KMG - UPRC 9-11K

www.originslaboratory.com



page 1 of 1



Client: Eagle Environmental (Cxy)
 Address: 8000 W 44th Ave
Wheatridge, CO 80033
 Telephone Number: 303-433-0179
 Email Address: dcoloccia@eagle-envi.com

Project Manager: D. Coloccia
 Project Name: UPRC 9-11K
 Project Number: _____
 Samples Collected By: Brandon Vanhorn

Fax: 303.265.9645 | Phone: 303.433.1322

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis				Sample Instructions		
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa	Other	CE/DLE	EC/PH	SAR		Isotop	MBS
WT-B01E6'	6-1-22	1400	2	X					X			X	X	X			
WT-B01E3'		1427										X	X				
WT-B01E6'		1430										X	X				
WT-B01E05'		1433															
WT-B01E06'		1437															
WT-B01E03'		1440										X	X				
WT-B01E06'		1443										X	X				
FL-B01E5'		1446										X	X				
FL-B01E04'		1458										X	X				
Relinquished By: <u>Brandon Vanhorn</u>	Date: <u>6-1-22</u>	Time: <u>1824</u>	Received By: <u>AK</u>	Date: <u>6-1-22</u>	Time: <u>1824</u>	Received By: <u>AK</u>	Date: <u>6-1-22</u>	Time: <u>1824</u>	Turnaround Time: <input checked="" type="checkbox"/> Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard								

Date Results Needed

Temp Received: 4.3

Origins Laboratory, Inc.

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 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: -
 Project: KMG - UPRC 9-11K

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

Sample Receipt Checklist

Origins Work Order: 1206040 Client: FAEJE
 Client Project ID: UPRC 9-11K

Checklist Completed by: EH Shipped Via: HD
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Date/time completed: 6/11/22 Airbill #: MA

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

Cooler Number/Temperature: 1 14.3 °C / _____ °C / _____ °C / _____ °C

Thermometer ID: 1004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	—			
Is there ice present (document if blue ice is used)	—			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		—		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		—		
Were all samples received intact ⁽¹⁾ ?	—			
Was adequate sample volume provided ⁽¹⁾ ?	—			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		—		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	—			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	—			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	—			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	—			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			—	
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)			—	
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.

[Signature]
 Reviewed by (Project Manager)

6/11/22
 Date/Time Reviewed

Origins Laboratory, Inc.

[Signature]

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

Dan Coloccia
 Project Number: -
 Project: KMG - UPRC 9-11K

WH-B01@6'
6/1/2022 2:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y206040-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.121	0.100	mg/L	1	B2F0206	KAP	06/02/2022	06/03/2022	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2F0122	ZZZ	06/01/2022	06/02/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: <i>o</i> -Terphenyl	79.6 %	50-150			"	"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2F0123	JSM	06/01/2022	06/02/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Naphthalene	ND	0.00380	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	JSM	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4	108 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	96.2 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	97.5 %	70-130			"	"	"	"	

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Dan Coloccia
 Project Number: -
 Project: KMG - UPRC 9-11K

WH-B01@6'
6/1/2022 2:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y206040-01 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	1.93	0.499	meq/L	10	[CALC]	KAP	06/02/2022	06/03/2022	
Magnesium	ND	0.823	"	"	"	KAP	"	"	
Sodium	ND	0.435	"	"	"	KAP	"	"	

pH in Soil by 9045D

pH	8.40		pH Units	1	B2F0208	CNG	06/02/2022	06/03/2022	
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SAR by 20B Saturated Paste

SAR	0.131		SAR	1	B2F0204	KAP	06/02/2022	06/03/2022	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.416	0.00500	mmhos/cm	1	B2F0208	CNG	06/02/2022	06/03/2022	
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Origins Laboratory, Inc.



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

Dan Coloccia
 Project Number: -
 Project: KMG - UPRC 9-11K

WH-BG01@3'

6/1/2022 2:27:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y206040-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.256	0.100	mg/L	1	B2F0206	KAP	06/02/2022	06/03/2022
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Metals by Saturated Paste by EPA 6010

Calcium	1.00	0.499	meq/L	10	[CALC]	KAP	06/02/2022	06/03/2022
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	1.44	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.53		pH Units	1	B2F0208	CNG	06/02/2022	06/03/2022
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SAR by 20B Saturated Paste

SAR	1.60		SAR	1	B2F0204	KAP	06/02/2022	06/03/2022
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.332	0.00500	mmhos/cm	1	B2F0208	CNG	06/02/2022	06/03/2022
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 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: -
 Project: KMG - UPRC 9-11K

WH-BG01@6'

6/1/2022 2:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y206040-03 (Soil)

Boron (DTPA Sorbitol)

Boron	0.394	0.100	mg/L	1	B2F0206	KAP	06/02/2022	06/03/2022
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Metals by Saturated Paste by EPA 6010

Calcium	4.00	0.499	meq/L	10	[CALC]	KAP	06/02/2022	06/03/2022
Magnesium	5.01	0.823	"	"	"	KAP	"	"
Sodium	4.89	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.33		pH Units	1	B2F0208	CNG	06/02/2022	06/03/2022
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SAR by 20B Saturated Paste

SAR	2.31		SAR	1	B2F0204	KAP	06/02/2022	06/03/2022
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.44	0.00500	mmhos/cm	1	B2F0208	CNG	06/02/2022	06/03/2022
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 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: -
 Project: KMG - UPRC 9-11K

WH-BG02@3'

6/1/2022 2:33:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y206040-04 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.100	mg/L	1	B2F0206	KAP	06/02/2022	06/03/2022	
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Metals by Saturated Paste by EPA 6010

Calcium	3.42	0.499	meq/L	10	[CALC]	KAP	06/02/2022	06/03/2022	
Magnesium	1.49	0.823	"	"	"	KAP	"	"	
Sodium	7.16	0.435	"	"	"	KAP	"	"	

pH in Soil by 9045D

pH	8.32		pH Units	1	B2F0208	CNG	06/02/2022	06/03/2022	
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SAR by 20B Saturated Paste

SAR	4.57		SAR	1	B2F0204	KAP	06/02/2022	06/03/2022	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.36	0.00500	mmhos/cm	1	B2F0208	CNG	06/02/2022	06/03/2022	
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 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: -
 Project: KMG - UPRC 9-11K

WH-BG02@6'

6/1/2022 2:37:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y206040-05 (Soil)

Boron (DTPA Sorbitol)

Boron	0.240	0.100	mg/L	1	B2F0206	KAP	06/02/2022	06/03/2022
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Metals by Saturated Paste by EPA 6010

Calcium	20.4	0.499	meq/L	10	[CALC]	KAP	06/02/2022	06/03/2022
Magnesium	10.8	0.823	"	"	"	KAP	"	"
Sodium	35.3	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.17		pH Units	1	B2F0208	CNG	06/02/2022	06/03/2022
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SAR by 20B Saturated Paste

SAR	8.93		SAR	1	B2F0204	KAP	06/02/2022	06/03/2022
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	5.79	0.00500	mmhos/cm	1	B2F0208	CNG	06/02/2022	06/03/2022
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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: -
 Project: KMG - UPRC 9-11K

WH-BG03@3'

6/1/2022 2:40:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y206040-06 (Soil)

Boron (DTPA Sorbitol)

Boron	0.180	0.100	mg/L	1	B2F0206	KAP	06/02/2022	06/03/2022
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Metals by Saturated Paste by EPA 6010

Calcium	1.18	0.499	meq/L	10	[CALC]	KAP	06/02/2022	06/03/2022
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	1.37	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.23		pH Units	1	B2F0208	CNG	06/02/2022	06/03/2022
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SAR by 20B Saturated Paste

SAR	1.48		SAR	1	B2F0204	KAP	06/02/2022	06/03/2022
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.404	0.00500	mmhos/cm	1	B2F0208	CNG	06/02/2022	06/03/2022
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 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: -
 Project: KMG - UPRC 9-11K

WH-BG03@6'

6/1/2022 2:43:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y206040-07 (Soil)

Boron (DTPA Sorbitol)

Boron	0.671	0.100	mg/L	1	B2F0216	KAP	06/02/2022	06/03/2022
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Metals by Saturated Paste by EPA 6010

Calcium	6.91	0.499	meq/L	10	[CALC]	KAP	06/02/2022	06/03/2022
Magnesium	7.78	0.823	"	"	"	KAP	"	"
Sodium	6.76	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.42		pH Units	1	B2F0208	CNG	06/02/2022	06/03/2022
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SAR by 20B Saturated Paste

SAR	2.49		SAR	1	B2F0204	KAP	06/02/2022	06/03/2022
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	2.01	0.00500	mmhos/cm	1	B2F0208	CNG	06/02/2022	06/03/2022
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 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: -
 Project: KMG - UPRC 9-11K

FL-B01@5'

6/1/2022 2:46:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y206040-08 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2F0122	ZZZ	06/01/2022	06/02/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: *o*-Terphenyl 71.7 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2F0123	JSM	06/01/2022	06/02/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Naphthalene	ND	0.00380	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	JSM	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4 105 % 70-130 " " "
 Surrogate: Toluene-d8 98.4 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 95.4 % 70-130 " " "

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 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: -
 Project: KMG - UPRC 9-11K

FL-B05@4'

6/1/2022 2:58:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y206040-09 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2F0122	ZZZ	06/01/2022	06/02/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: *o*-Terphenyl 79.5 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2F0123	JSM	06/01/2022	06/02/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Naphthalene	ND	0.00380	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	JSM	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4 106 % 70-130 " " "
 Surrogate: Toluene-d8 100 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 92.4 % 70-130 " " "

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

Dan Coloccia
 Project Number: -
 Project: KMG - UPRC 9-11K

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 B2F0122 - EPA 3550B										
Blank (B2F0122-BLK1)										
					Prepared: 06/01/2022 Analyzed: 06/02/2022					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	20		"	24.9		79.3	50-150			

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Extractable Petroleum Hydrocarbons by 8015D - Quality Control
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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B2F0122 - EPA 3550B										
LCS (B2F0122-BS1)					Prepared: 06/01/2022 Analyzed: 06/02/2022					
Diesel (C10-C28)	1040	50.0	mg/kg	1000		104	70-130			
Residual Range Organics (C28-C40)	904	200	"	1000		90.4	70-130			
Surrogate: o-Terphenyl	40		"	49.8		79.7	50-150			

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Extractable Petroleum Hydrocarbons by 8015D - Quality Control
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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B2F0122 - EPA 3550B										
Matrix Spike (B2F0122-MS1)		Source: Y206039-01			Prepared: 06/01/2022 Analyzed: 06/02/2022					
Diesel (C10-C28)	994	50.0	mg/kg	1000	ND	99.4	70-130			
Residual Range Organics (C28-C40)	874	200	"	1000	ND	87.4	70-130			
Surrogate: o-Terphenyl	39		"	49.8		79.0	50-150			

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Extractable Petroleum Hydrocarbons by 8015D - Quality Control
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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B2F0122 - EPA 3550B										
Matrix Spike Dup (B2F0122-MSD1)		Source: Y206039-01								
					Prepared: 06/01/2022	Analyzed: 06/02/2022				
Diesel (C10-C28)	993	50.0	mg/kg	1000	ND	99.3	70-130	0.144	35	
Residual Range Organics (C28-C40)	863	200	"	1000	ND	86.3	70-130	1.18	35	
Surrogate: o-Terphenyl	39		"	49.8		77.8	50-150			

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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 B2F0123 - EPA 5030 (soil)

Blank (B2F0123-BLK1)

Prepared: 06/01/2022 Analyzed: 06/01/2022

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	0.0100	"							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	101		70-130			
Surrogate: Toluene-d8	0.13		"	0.125	100		70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125	94.7		70-130			

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Dan Coloccia
 Project Number: -
 Project: KMG - UPRC 9-11K

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 B2F0123 - EPA 5030 (soil)

LCS (B2F0123-BS1)

Prepared: 06/01/2022 Analyzed: 06/01/2022

1,2,4-Trimethylbenzene	0.103	0.00200	mg/kg	0.100		103	70-130			
1,3,5-Trimethylbenzene	0.103	0.00200	"	0.100		103	70-130			
Benzene	0.101	0.00200	"	0.100		101	70-130			
Ethylbenzene	0.0999	0.00200	"	0.100		99.9	70-130			
Naphthalene	0.108	0.0100	"	0.100		108	70-130			
Toluene	0.0999	0.00200	"	0.100		99.9	70-130			
o-Xylene	0.100	0.00200	"	0.100		100	70-130			
m,p-Xylene	0.204	0.00400	"	0.200		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		92.3	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	70-130			

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Dan Coloccia
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 Project: KMG - UPRC 9-11K

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 B2F0123 - EPA 5030 (soil)

Matrix Spike (B2F0123-MS1)	Source: Y206039-01			Prepared: 06/01/2022 Analyzed: 06/02/2022						
1,2,4-Trimethylbenzene	0.0800	0.00200	mg/kg	0.100	ND	80.0	70-130			
1,3,5-Trimethylbenzene	0.0806	0.00200	"	0.100	ND	80.6	70-130			
Benzene	0.0863	0.00200	"	0.100	ND	86.3	70-130			
Ethylbenzene	0.0832	0.00200	"	0.100	ND	83.2	70-130			
Naphthalene	0.0928	0.0100	"	0.100	0.00140	91.4	70-130			
Toluene	0.0832	0.00200	"	0.100	ND	83.2	70-130			
o-Xylene	0.0840	0.00200	"	0.100	ND	84.0	70-130			
m,p-Xylene	0.162	0.00400	"	0.200	ND	81.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		106	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		93.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		104	70-130			

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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 B2F0123 - EPA 5030 (soil)

Matrix Spike Dup (B2F0123-MSD1)	Source: Y206039-01			Prepared: 06/01/2022 Analyzed: 06/02/2022						
1,2,4-Trimethylbenzene	0.0875	0.00200	mg/kg	0.100	ND	87.5	70-130	8.88	20	
1,3,5-Trimethylbenzene	0.0879	0.00200	"	0.100	ND	87.9	70-130	8.66	20	
Benzene	0.0926	0.00200	"	0.100	ND	92.6	70-130	7.09	20	
Ethylbenzene	0.0910	0.00200	"	0.100	ND	91.0	70-130	9.03	20	
Naphthalene	0.102	0.0100	"	0.100	0.00140	100	70-130	9.25	20	
Toluene	0.0897	0.00200	"	0.100	ND	89.7	70-130	7.52	20	
o-Xylene	0.0917	0.00200	"	0.100	ND	91.7	70-130	8.81	20	
m,p-Xylene	0.179	0.00400	"	0.200	ND	89.3	70-130	9.42	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		105	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		92.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		106	70-130			

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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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Saturated Paste - 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 B2F0208 - NO PREP

Blank (B2F0208-BLK1)

Prepared: 06/02/2022 Analyzed: 06/03/2022

pH	0.00		pH Units
Specific Conductance (EC)	0.00170	0.00500	mmhos/cm

Duplicate (B2F0208-DUP1)

Source: Y206037-06

Prepared: 06/02/2022 Analyzed: 06/03/2022

Specific Conductance (EC)	1.32	0.00500	mmhos/cm	1.13	15.6	25
pH	8.32		pH Units	8.39	0.838	25

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Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

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