



September 15, 2022

Eagle Environmental Consulting, Inc.

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - Strong P 28-2

Project Number - [none]

Attached are your analytical results for KMG - Strong P 28-2 received by Origins Laboratory, Inc. September 07, 2022. This project is associated with Origins project number Y209104-01.

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: [none]
Project: KMG - Strong P 28-2

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FL-B02@3'	Y209104-01	Soil	September 7, 2022 13:15	09/07/2022 16:27
WH-BG01@3'	Y209104-02	Soil	September 7, 2022 13:38	09/07/2022 16:27
WH-BG01@6'	Y209104-03	Soil	September 7, 2022 13:40	09/07/2022 16:27
WH-BG02@3'	Y209104-04	Soil	September 7, 2022 13:41	09/07/2022 16:27
WH-BG02@6'	Y209104-05	Soil	September 7, 2022 13:42	09/07/2022 16:27
FL-B01@2'	Y209104-06	Soil	September 7, 2022 14:51	09/07/2022 16:27
Initial Waste Characterization@4'	Y209104-07	Soil	September 7, 2022 14:54	09/07/2022 16:27

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2



www.originslaboratory.com
 page | of |
 1209104

Client: Eagle Environmental (064)
 Address: 8000 W 44th Ave
 Wheat Ridge, CO 80033
 Telephone Number: 303-413-0474
 Email Address: d.coloccia@eagle-env.com

Project Manager: d.coloccia
 Project Name: STRONG P 28-2
 Project Number: --
 Samples Collected By: AM, MD B

Fax: 303.265.9645
 Phone: 303.483.1322
 Denver, CO 80211

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis				Turnaround Time: Same Day <input checked="" type="checkbox"/> 24 Hr 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input type="checkbox"/>			
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa #	Other	BTEX,N	TPH	TC/PH		BAR	Get More	
FL-BQ203	9/7/22	1315	2	X				X				X	X	X				
WH-BQ0103	9/7/22	1335										X	X	X				
WH-BQ0106	9/7/22	1340										X	X	X				
WH-BQ0203	9/7/22	1341										X	X	X				
WH-BQ0206	9/7/22	1342										X	X	X				
FL-BQ0102	9/7/22	1451										X	X	X				
FL-BQ0104	9/7/22	1454												X				

X 915 metals
 added per files
 email on 9/8/22
 Sample Instructions

Relinquished By: [Signature]
 Date: 9/7/22
 Time: 1627

Received By: [Signature]
 Date: 9/7/22
 Time: 1627

Temp Received: 4.1
 Date Results Needed

Origins Laboratory, Inc.

Jefe Pellegrini

Jen Pellegrini For Noelle Doyle Mathis, President

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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

Sample Receipt Checklist

Origins Work Order: Y209104 Client: Eagle
 Client Project ID: Strong P 28-2

Checklist Completed by: MS Shipped Via: HD
 Date/time completed: 9/7/12 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Airbill #: NA

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

Cooler Number/Temperature: 1 / 4.1 °C / _____ °C / _____ °C (Describe) _____ °C

Thermometer ID: T004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	X			
Is there ice present (document if blue ice is used)	X			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		q		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		q		
Were all samples received intact ⁽¹⁾ ?	q			
Was adequate sample volume provided ⁽¹⁾ ?	q			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		q		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	q			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	q			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	q			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	q			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			1	
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)			q	
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 9/7/12

Origins Laboratory, Inc.

Jefe Pellegrini

Jen Pellegrini For Noelle Doyle Mathis, President

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

FL-B02@3'

9/7/2022 1:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y209104-01 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B210719	09/07/2022	09/08/2022	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: <i>o</i> -Terphenyl	98.9 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B210720	09/07/2022	09/07/2022	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	99.6 %		70-130			"	"	"	
Surrogate: Toluene-d8	94.0 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	92.4 %		70-130			"	"	"	

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

WH-BG01@3'

9/7/2022 1:38:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y209104-02 (Soil)

Boron (DTPA Sorbitol)

Boron	1.10		0.0982	mg/L	1	B210801	09/08/2022	09/09/2022	
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Metals by Saturated Paste by EPA 6010

Calcium	8.18		0.499	meq/L	10	[CALC]	09/08/2022	09/09/2022	
Magnesium	8.13		0.823	"	"	"	"	"	
Sodium	7.77		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.23			pH Units	1	B210803	09/08/2022	09/09/2022	
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SAR by 20B Saturated Paste

SAR	2.72			SAR	1	B210802	09/08/2022	09/09/2022	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	2.45		0.00500	mmhos/cm	1	B210803	09/08/2022	09/09/2022	
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Table 915 metals by EPA 6020B

Arsenic	3.48		0.0961	mg/kg	5	B210804	09/08/2022	09/09/2022	
Barium	135		9.61	"	"	"	"	"	
Cadmium	0.165		0.0961	"	"	"	"	"	
Copper	10.6		9.61	"	"	"	"	"	

Origins Laboratory, Inc.



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 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

WH-BG01@3'

9/7/2022 1:38:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y209104-02 (Soil)

Table 915 metals by EPA 6020B

Lead	ND		9.61	mg/kg	5	B210804	09/08/2022	09/09/2022	U
Nickel	ND		9.61	"	"	"	"	"	U
Selenium	0.382		0.0961	"	"	"	"	"	
Silver	ND		0.0961	"	"	"	"	"	U
Zinc	ND		96.1	"	"	"	"	"	U

Total Metals by 7196A

Chromium, Hexavalent	ND	0.507	1.04	mg/Kg	2	L636761	09/07/2022	09/12/2022	
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Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

WH-BG01@6'

9/7/2022 1:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y209104-03 (Soil)

Boron (DTPA Sorbitol)

Boron	0.264		0.100	mg/L	1	B210801	09/08/2022	09/09/2022	
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Metals by Saturated Paste by EPA 6010

Calcium	1.92		0.499	meq/L	10	[CALC]	09/08/2022	09/09/2022	
Magnesium	2.91		0.823	"	"	"	"	"	
Sodium	2.52		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.33			pH Units	1	B210803	09/08/2022	09/09/2022	
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SAR by 20B Saturated Paste

SAR	1.62			SAR	1	B210802	09/08/2022	09/09/2022	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.931		0.00500	mmhos/cm	1	B210803	09/08/2022	09/09/2022	
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Table 915 metals by EPA 6020B

Arsenic	2.62		0.0856	mg/kg	5	B210804	09/08/2022	09/09/2022	
Barium	68.6		8.56	"	"	"	"	"	
Cadmium	ND		0.0856	"	"	"	"	"	U
Copper	ND		8.56	"	"	"	"	"	U

Origins Laboratory, Inc.



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 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

WH-BG01@6'

9/7/2022 1:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y209104-03 (Soil)

Table 915 metals by EPA 6020B

Lead	ND		8.56	mg/kg	5	B210804	09/08/2022	09/09/2022	U
Nickel	ND		8.56	"	"	"	"	"	U
Selenium	0.233		0.0856	"	"	"	"	"	
Silver	ND		0.0856	"	"	"	"	"	U
Zinc	ND		85.6	"	"	"	"	"	U

Total Metals by 7196A

Chromium, Hexavalent	ND	1.22	2.5	mg/Kg	5	L636761	09/07/2022	09/12/2022	
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Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

WH-BG02@3'

9/7/2022 1:41:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y209104-04 (Soil)

Boron (DTPA Sorbitol)

Boron	1.62		0.0999	mg/L	1	B210801	09/08/2022	09/09/2022	
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Metals by Saturated Paste by EPA 6010

Calcium	7.67		0.499	meq/L	10	[CALC]	09/08/2022	09/09/2022	
Magnesium	24.7		0.823	"	"	"	"	"	
Sodium	7.04		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.18			pH Units	1	B210803	09/08/2022	09/09/2022	
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SAR by 20B Saturated Paste

SAR	1.75			SAR	1	B210802	09/08/2022	09/09/2022	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	3.20		0.00500	mmhos/cm	1	B210803	09/08/2022	09/09/2022	
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Table 915 metals by EPA 6020B

Arsenic	2.02		0.0965	mg/kg	5	B210804	09/08/2022	09/09/2022	
Barium	211		9.65	"	"	"	"	"	
Cadmium	0.166		0.0965	"	"	"	"	"	
Copper	ND		9.65	"	"	"	"	"	U

Origins Laboratory, Inc.



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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

WH-BG02@3'

9/7/2022 1:41:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y209104-04 (Soil)

Table 915 metals by EPA 6020B

Lead	ND		9.65	mg/kg	5	B210804	09/08/2022	09/09/2022	U
Nickel	ND		9.65	"	"	"	"	"	U
Selenium	0.597		0.0965	"	"	"	"	"	
Silver	ND		0.0965	"	"	"	"	"	U
Zinc	ND		96.5	"	"	"	"	"	U

Total Metals by 7196A

Chromium, Hexavalent	ND	0.247	0.508	mg/Kg	1	L636761	09/07/2022	09/12/2022	
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Origins Laboratory, Inc.



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 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

WH-BG02@6'

9/7/2022 1:42:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y209104-05 (Soil)

Boron (DTPA Sorbitol)

Boron	0.332		0.0989	mg/L	1	B210801	09/08/2022	09/09/2022	
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Metals by Saturated Paste by EPA 6010

Calcium	3.99		0.499	meq/L	10	[CALC]	09/08/2022	09/09/2022	
Magnesium	8.36		0.823	"	"	"	"	"	
Sodium	4.95		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.29			pH Units	1	B210803	09/08/2022	09/09/2022	
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SAR by 20B Saturated Paste

SAR	1.99			SAR	1	B210802	09/08/2022	09/09/2022	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.73		0.00500	mmhos/cm	1	B210803	09/08/2022	09/09/2022	
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Table 915 metals by EPA 6020B

Arsenic	2.02		0.0874	mg/kg	5	B210804	09/08/2022	09/09/2022	
Barium	50.0		8.74	"	"	"	"	"	
Cadmium	ND		0.0874	"	"	"	"	"	U
Copper	ND		8.74	"	"	"	"	"	U

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 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

WH-BG02@6'

9/7/2022 1:42:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y209104-05 (Soil)

Table 915 metals by EPA 6020B

Lead	ND		8.74	mg/kg	5	B210804	09/08/2022	09/09/2022	U
Nickel	ND		8.74	"	"	"	"	"	U
Selenium	0.147		0.0874	"	"	"	"	"	
Silver	ND		0.0874	"	"	"	"	"	U
Zinc	ND		87.4	"	"	"	"	"	U

Total Metals by 7196A

Chromium, Hexavalent	ND	1.22	2.5	mg/Kg	5	L636761	09/07/2022	09/12/2022	
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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: [none]
 Project: KMG - Strong P 28-2

FL-B01@2'

9/7/2022 2:51:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y209104-06 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B210719	09/07/2022	09/08/2022	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: <i>o</i> -Terphenyl	96.5 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B210720	09/07/2022	09/07/2022	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	101 %		70-130			"	"	"	
Surrogate: Toluene-d8	90.4 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	94.0 %		70-130			"	"	"	

Origins Laboratory, Inc.



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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

Initial Waste Characterization@4
9/7/2022 2:54:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y209104-07 (Soil)

Boron (DTPA Sorbitol)

Boron	3.67		0.997	mg/L	10	B210801	09/08/2022	09/09/2022	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	1040		25.0	mg/kg	1	B210719	09/07/2022	09/08/2022	
Residual Range Organics (C28-C40)	498		100	"	"	"	"	"	

Surrogate: o-Terphenyl	118 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B210720	09/07/2022	09/08/2022	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	102 %		70-130			"	"	"	
Surrogate: Toluene-d8	105 %		70-130			"	"	"	

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Jen Pellegrini For Noelle Doyle Mathis, President

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

Initial Waste Characterization@4
9/7/2022 2:54:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y209104-07 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	99.3 %		70-130			B21072 0	09/07/2022	09/08/2022	
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Metals by Saturated Paste by EPA 6010

Calcium	1.97		0.499	meq/L	10	[CALC]	09/08/2022	09/09/2022	
Magnesium	10.1		0.823	"	"	"	"	"	
Sodium	5.19		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	0.702	0.00182	0.00335	mg/Kg	5	L636820	09/12/2022	09/12/2022	
2-Methylnaphthalene	1	0.00323	0.00335	"	"	"	"	"	
Acenaphthene	0.0499	0.00152	0.00335	"	"	"	"	"	
Anthracene	ND	0.00167	0.00335	"	"	"	"	"	
Benzo(a)anthracene	0.00572	0.00247	0.00335	"	"	"	"	"	
Benzo(a)pyrene	0.00325	0.00234	0.00335	"	"	"	"	"	J
Benzo(b)fluoranthene	ND	0.00293	0.00335	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.00219	0.00335	"	"	"	"	"	
Chrysene	0.0283	0.00312	0.00335	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.00307	0.00335	"	"	"	"	"	
Fluoranthene	ND	0.00197	0.00335	"	"	"	"	"	
Fluorene	0.153	0.00143	0.00335	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00314	0.00335	"	"	"	"	"	

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

Initial Waste Characterization@4
9/7/2022 2:54:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y209104-07 (Soil)

PAH by 8270D SIM

Naphthalene	0.187	0.00242	0.00335	mg/Kg	5	L636820	09/12/2022	09/12/2022	
Pyrene	0.018	0.00322	0.00335	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	52.3 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	56.3 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	57.5 %		29-110			"	"	"	

pH in Soil by 9045D

pH	8.34			pH Units	1	B210803	09/08/2022	09/09/2022	
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SAR by 20B Saturated Paste

SAR	2.11			SAR	1	B210802	09/08/2022	09/09/2022	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.68		0.00500	mmhos/cm	1	B210803	09/08/2022	09/09/2022	
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Table 915 metals by EPA 6020B

Arsenic	6.83		0.0874	mg/kg	5	B210804	09/08/2022	09/09/2022	
Barium	474		8.74	"	"	"	"	"	
Cadmium	0.504		0.0874	"	"	"	"	"	

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Eagle Environmental Consulting, Inc.
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 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

Initial Waste Characterization@4
9/7/2022 2:54:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y209104-07 (Soil)

Table 915 metals by EPA 6020B

Copper	9.83		8.74	mg/kg	5	B210804	09/08/2022	09/09/2022	
Lead	ND		8.74	"	"	"	"	"	U
Nickel	35.1		8.74	"	"	"	"	"	
Selenium	0.462		0.0874	"	"	"	"	"	
Silver	ND		0.0874	"	"	"	"	"	U
Zinc	ND		87.4	"	"	"	"	"	U

Total Metals by 7196A

Chromium, Hexavalent	ND	2.44	5	mg/Kg	10	L636761	09/07/2022	09/12/2022	
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Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B210719 - EPA 3550B										
Blank (B210719-BLK1)										
					Prepared: 09/07/2022 Analyzed: 09/07/2022					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	26		"	24.9		104	50-150			

Origins Laboratory, Inc.



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Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B210719 - EPA 3550B

LCS (B210719-BS1)

Prepared: 09/07/2022 Analyzed: 09/07/2022

Diesel (C10-C28)	1180	50.0	mg/kg	1000		118	70-130			
Residual Range Organics (C28-C40)	1170	200	"	1000		117	70-130			
Surrogate: o-Terphenyl	75		"	49.8		150	50-150			

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B210719 - EPA 3550B

Matrix Spike (B210719-MS1)	Source: Y209102-01			Prepared: 09/07/2022 Analyzed: 09/07/2022						
Diesel (C10-C28)	1020	50.0	mg/kg	1000	ND	102	70-130			
Residual Range Organics (C28-C40)	1010	200	"	1000	ND	101	70-130			
Surrogate: o-Terphenyl	52		"	49.8		104	50-150			

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 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B210719 - EPA 3550B

Matrix Spike Dup (B210719-MSD1)	Source: Y209102-01			Prepared: 09/07/2022 Analyzed: 09/07/2022						
Diesel (C10-C28)	1020	50.0	mg/kg	1000	ND	102	70-130	0.0191	35	
Residual Range Organics (C28-C40)	1010	200	"	1000	ND	101	70-130	0.217	35	
<i>Surrogate: o-Terphenyl</i>	<i>50</i>		<i>"</i>	<i>49.8</i>		<i>100</i>	<i>50-150</i>			

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B210720 - EPA 5030 (soil)

Blank (B210720-BLK1)

Prepared: 09/07/2022 Analyzed: 09/07/2022

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	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125	92.3		70-130			
Surrogate: Toluene-d8	0.12		"	0.125	95.4		70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125	95.1		70-130			

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B210720 - EPA 5030 (soil)

LCS (B210720-BS1)

Prepared: 09/07/2022 Analyzed: 09/07/2022

1,2,4-Trimethylbenzene	0.0995	0.00200	mg/kg	0.100		99.5	70-130			
1,3,5-Trimethylbenzene	0.0999	0.00200	"	0.100		99.9	70-130			
Benzene	0.0979	0.00200	"	0.100		97.9	70-130			
Ethylbenzene	0.0991	0.00200	"	0.100		99.1	70-130			
Naphthalene	0.0935	0.00380	"	0.100		93.5	70-130			
Toluene	0.0938	0.00200	"	0.100		93.8	70-130			
o-Xylene	0.0999	0.00200	"	0.100		99.9	70-130			
m,p-Xylene	0.205	0.00400	"	0.200		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		85.2	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		93.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		105	70-130			

Origins Laboratory, Inc.



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Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B210720 - EPA 5030 (soil)

Matrix Spike (B210720-MS1)	Source: Y209102-01			Prepared: 09/07/2022 Analyzed: 09/07/2022						
1,2,4-Trimethylbenzene	0.0899	0.00200	mg/kg	0.100	ND	89.9	70-130			
1,3,5-Trimethylbenzene	0.0923	0.00200	"	0.100	ND	92.3	70-130			
Benzene	0.0934	0.00200	"	0.100	ND	93.4	70-130			
Ethylbenzene	0.0919	0.00200	"	0.100	ND	91.9	70-130			
Naphthalene	0.0810	0.00380	"	0.100	0.000800	80.2	70-130			
Toluene	0.0885	0.00200	"	0.100	ND	88.5	70-130			
o-Xylene	0.0924	0.00200	"	0.100	ND	92.4	70-130			
m,p-Xylene	0.187	0.00400	"	0.200	ND	93.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		85.3	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		93.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		105	70-130			

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B210720 - EPA 5030 (soil)

Matrix Spike Dup (B210720-MSD1)	Source: Y209102-01			Prepared: 09/07/2022 Analyzed: 09/07/2022						
1,2,4-Trimethylbenzene	0.0893	0.00200	mg/kg	0.100	ND	89.3	70-130	0.692	20	
1,3,5-Trimethylbenzene	0.0924	0.00200	"	0.100	ND	92.4	70-130	0.0433	20	
Benzene	0.0968	0.00200	"	0.100	ND	96.8	70-130	3.49	20	
Ethylbenzene	0.0927	0.00200	"	0.100	ND	92.7	70-130	0.888	20	
Naphthalene	0.0801	0.00380	"	0.100	0.000800	79.3	70-130	1.02	20	
Toluene	0.0878	0.00200	"	0.100	ND	87.8	70-130	0.794	20	
o-Xylene	0.0923	0.00200	"	0.100	ND	92.3	70-130	0.152	20	
m,p-Xylene	0.188	0.00400	"	0.200	ND	94.2	70-130	0.981	20	
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		89.5	70-130			
Surrogate: Toluene-d8	0.11		"	0.125		90.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		103	70-130			

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 SM 3500 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 B2I0804 - Default Prep Metals

Blank (B2I0804-BLK1)

Prepared: 09/08/2022 Analyzed: 09/09/2022

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

LCS (B2I0804-BS1)

Prepared: 09/08/2022 Analyzed: 09/09/2022

Arsenic	0.0517	0.000100	mg/kg	0.0500		103	80-120			
Barium	5.13	0.0100	"	5.00		103	80-120			
Cadmium	0.0531	0.000100	"	0.0500		106	80-120			
Copper	0.538	0.0100	"	0.500		108	80-120			
Lead	0.0549	0.0100	"	0.0500		110	80-120			
Nickel	0.0532	0.0100	"	0.0500		106	80-120			
Selenium	0.0528	0.000100	"	0.0500		106	80-120			
Silver	0.0542	0.000100	"	0.0500		108	80-120			
Zinc	0.552	0.100	"	0.500		110	80-120			

Matrix Spike (B2I0804-MS1)

Source: Y209056-05

Prepared: 09/08/2022 Analyzed: 09/09/2022

Origins Laboratory, Inc.



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 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

Metals by SM 3500 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 B2I0804 - Default Prep Metals

Matrix Spike (B2I0804-MS1)		Source: Y209056-05			Prepared: 09/08/2022 Analyzed: 09/09/2022					
Arsenic	11.1	0.0892	mg/kg	8.92	2.37	98.0	75-125			
Barium	933	8.92	"	892	30.4	101	75-125			
Cadmium	9.14	0.0892	"	8.92	0.0593	102	75-125			
Copper	93.2	8.92	"	89.2	2.87	101	75-125			
Lead	13.1	8.92	"	8.92	3.55	107	75-125			
Nickel	12.2	8.92	"	8.92	3.43	98.2	75-125			
Selenium	8.94	0.0892	"	8.92	0.116	98.9	75-125			
Silver	9.30	0.0892	"	8.92	0.0144	104	75-125			
Zinc	111	89.2	"	89.2	17.6	105	75-125			
Matrix Spike Dup (B2I0804-MSD1)		Source: Y209056-05			Prepared: 09/08/2022 Analyzed: 09/09/2022					
Arsenic	11.6	0.0952	mg/kg	9.52	2.37	97.0	75-125	4.31	20	
Barium	1000	9.52	"	952	30.4	102	75-125	7.10	20	
Cadmium	9.91	0.0952	"	9.52	0.0593	104	75-125	8.04	20	
Copper	99.4	9.52	"	95.2	2.87	101	75-125	6.44	20	
Lead	13.8	9.52	"	9.52	3.55	107	75-125	4.75	20	
Nickel	12.6	9.52	"	9.52	3.43	96.1	75-125	3.10	20	
Selenium	9.45	0.0952	"	9.52	0.116	98.1	75-125	5.55	20	
Silver	10.1	0.0952	"	9.52	0.0144	105	75-125	7.81	20	
Zinc	118	95.2	"	95.2	17.6	105	75-125	5.99	20	

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B2I0801 - Default Prep Metals

Blank (B2I0801-BLK1)

Prepared: 09/08/2022 Analyzed: 09/09/2022

Boron	ND	0.100	mg/L							U
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Duplicate (B2I0801-DUP1)

Source: Y209103-01

Prepared: 09/08/2022 Analyzed: 09/09/2022

Boron	0.0644	0.0990	mg/L		0.0572			11.8	50	U
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Batch B2I0802 - Default Prep Metals

Blank (B2I0802-BLK1)

Prepared: 09/08/2022 Analyzed: 09/09/2022

Calcium PPM	ND	10.0	mg/L							U
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SAR	0.00		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 (B2I0802-DUP1)

Source: Y209103-01

Prepared: 09/08/2022 Analyzed: 09/09/2022

Calcium PPM	0.437	10.0	mg/L		0.423			3.26	50	U
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SAR	0.00		SAR		79.5			200	200	U
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Magnesium PPM	0.502	10.0	mg/L		0.714			34.9	50	U
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Sodium PPM	267	10.0	"		365			31.1	50	
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Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B210803 - NO PREP

Blank (B210803-BLK1)

Prepared: 09/08/2022 Analyzed: 09/09/2022

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

Duplicate (B210803-DUP1)

Source: Y209103-01

Prepared: 09/08/2022 Analyzed: 09/09/2022

pH	10.1		pH Units		10.1			0.494	25	
Specific Conductance (EC)	1.14	0.00500	mmhos/cm		1.58			32.2	25	QR-DUP

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 L636820 - 3550B

MSD (L 97393-MSD-L636820)		Source: 97393			Prepared: 09/12/2022 Analyzed: 09/12/2022					
Indeno(1,2,3-cd)pyrene	0.0929	0.00335	mg/Kg	0.164	<0.00314	56.6	30-130	0.5	30	
Pyrene	0.122	0.00335	"	0.164	0.00605	70.7	30-130	3.3	30	
Benzo(a)pyrene	0.136	0.00335	"	0.164	0.0047	80	30-130	0.7	30	
1-Methylnaphthalene	0.118	0.00335	"	0.164	0.00437	69.2	30-130	6.1	30	
2-Methylnaphthalene	0.123	0.00335	"	0.164	0.00603	71.3	30-130	7.5	30	
Acenaphthene	0.114	0.00335	"	0.164	0.00347	67.3	30-130	4.4	30	
Benzo(a)anthracene	0.123	0.00335	"	0.164	<0.00247	75	30-130	5.8	30	
Naphthalene	0.104	0.00335	"	0.164	<0.00242	63.4	30-130	4.2	30	
Benzo(b)fluoranthene	0.068	0.00335	"	0.164	0.00398	39	30-130	17.9	30	
Benzo(k)fluoranthene	0.11	0.00335	"	0.164	<0.00219	67	30-130	10.7	30	
Chrysene	0.14	0.00335	"	0.164	0.014	76.8	30-130	5.8	30	
Dibenz(a,h)anthracene	0.103	0.00335	"	0.164	<0.00307	62.8	30-130	3.6	30	
Fluoranthene	0.118	0.00335	"	0.164	<0.00197	71.9	30-130	0	30	
Fluorene	0.137	0.00335	"	0.164	0.0158	73.9	30-130	8.3	30	
Anthracene	0.0858	0.00335	"	0.164	<0.00167	52.3	30-130	9.3	30	
Surrogate: 2-Fluorobiphenyl	61.5		"	0.328	207	61.5	33-115			
Surrogate: 4-Terphenyl-d14	70.4		"	0.328	236	70.4	33-122			
Surrogate: Nitrobenzene-d5	58.8		"	0.328	198	58.8	29-110			

MS (L 97393-MS-L636820)		Source: 97393			Prepared: 09/12/2022 Analyzed: 09/12/2022					
Indeno(1,2,3-cd)pyrene	0.0934	0.00335	mg/Kg	0.164	<0.00314	56.9	30-130			
Naphthalene	0.0997	0.00335	"	0.164	<0.00242	60.7	30-130			
Benzo(a)pyrene	0.135	0.00335	"	0.164	0.0047	79.4	30-130			
Fluorene	0.126	0.00335	"	0.164	0.0158	67.1	30-130			
Fluoranthene	0.118	0.00335	"	0.164	<0.00197	71.9	30-130			
Dibenz(a,h)anthracene	0.0993	0.00335	"	0.164	<0.00307	60.5	30-130			
Chrysene	0.132	0.00335	"	0.164	0.014	71.9	30-130			

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 L636820 - 3550B

MS (L 97393-MS-L636820)		Source: 97393			Prepared: 09/12/2022 Analyzed: 09/12/2022					
Pyrene	0.118	0.00335	mg/Kg	0.164	0.00605	68.2	30-130			
Benzo(a)anthracene	0.116	0.00335	"	0.164	<0.00247	70.7	30-130			
Anthracene	0.0942	0.00335	"	0.164	<0.00167	57.4	30-130			
Acenaphthene	0.109	0.00335	"	0.164	0.00347	64.3	30-130			
2-Methylnaphthalene	0.114	0.00335	"	0.164	0.00603	65.8	30-130			
1-Methylnaphthalene	0.111	0.00335	"	0.164	0.00437	65	30-130			
Benzo(b)fluoranthene	0.0814	0.00335	"	0.164	0.00398	47.2	30-130			
Benzo(k)fluoranthene	0.0988	0.00335	"	0.164	<0.00219	60.2	30-130			
Surrogate: Nitrobenzene-d5	54.8		"	0.328	198	54.8	29-110			
Surrogate: 4-Terphenyl-d14	65.5		"	0.328	236	65.5	33-122			
Surrogate: 2-Fluorobiphenyl	57.3		"	0.328	207	57.3	33-115			

LCS (LCS-L636820)		Prepared: 09/12/2022 Analyzed: 09/12/2022								
Pyrene	0.129	0.00067	mg/Kg	0.167		77.2	30-130			
Benzo(b)fluoranthene	0.111	0.00067	"	0.167		66.4	30-130			
Benzo(k)fluoranthene	0.125	0.00067	"	0.167		74.8	30-130			
Chrysene	0.126	0.00067	"	0.167		75.4	30-130			
Fluoranthene	0.128	0.00067	"	0.167		76.6	30-130			
Indeno(1,2,3-cd)pyrene	0.119	0.00067	"	0.167		71.2	30-130			
Benzo(a)pyrene	0.144	0.00067	"	0.167		86.2	30-130			
Dibenz(a,h)anthracene	0.123	0.00067	"	0.167		73.6	30-130			
Naphthalene	0.107	0.00067	"	0.167		64	30-130			
Anthracene	0.126	0.00067	"	0.167		75.4	30-130			
Acenaphthene	0.113	0.00067	"	0.167		67.6	30-130			
2-Methylnaphthalene	0.109	0.00067	"	0.167		65.2	30-130			
1-Methylnaphthalene	0.108	0.00067	"	0.167		64.6	30-130			
Fluorene	0.118	0.00067	"	0.167		70.6	30-130			

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 L636820 - 3550B

LCS (LCS-L636820)

Prepared: 09/12/2022 Analyzed: 09/12/2022

Benzo(a)anthracene	0.128	0.00067	mg/Kg	0.167		76.6	30-130			
Surrogate: Nitrobenzene-d5	70.5		"	0.333		70.5	29-110			
Surrogate: 4-Terphenyl-d14	79.5		"	0.333		79.5	33-122			
Surrogate: 2-Fluorobiphenyl	68.1		"	0.333		68.1	33-115			

LRB (LRB-L636820)

Prepared: 09/12/2022 Analyzed: 09/12/2022

Naphthalene	ND	0.00067	mg/Kg				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00067	"				-			
Pyrene	ND	0.00067	"				-			
Surrogate: 2-Fluorobiphenyl	65.4		"	0.333		65.4	33-115			
Surrogate: Nitrobenzene-d5	67.8		"	0.333		67.8	29-110			
Surrogate: 4-Terphenyl-d14	74.1		"	0.333		74.1	33-122			

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 L636761 -										
DUP (L 97395-DUP)		Source: 97395			Prepared: Analyzed: 09/12/2022					
Chromium, Hexavalent	ND	0.511	mg/Kg		<0.511		-	0	20	
MS (L 97395-MS)		Source: 97395			Prepared: Analyzed: 09/12/2022					
Chromium, Hexavalent	36.5	2.51	mg/Kg	40.2	< 0.245	91	75-125			
MSD (L 97395-MSD)		Source: 97395			Prepared: Analyzed: 09/12/2022					
Chromium, Hexavalent	564	52	mg/Kg	669	<25.4	84	75-125			
LCS (LCS)					Prepared: Analyzed: 09/12/2022					
Chromium, Hexavalent	6.8	0.5	mg/Kg	8		85	75-125			
LRB (LRB)					Prepared: Analyzed: 09/12/2022					
Chromium, Hexavalent	ND	0.5	mg/Kg				-			

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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

Dan Coloccia
Project Number: [none]
Project: KMG - Strong P 28-2

Notes and Definitions

U Sample is Non-Detect.

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

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.



Jen Pellegrini For Noelle Doyle Mathis, President

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.



September 15, 2022

Eagle Environmental Consulting, Inc.

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - Strong P 28-2

Project Number - [none]

Attached are your analytical results for KMG - Strong P 28-2 received by Origins Laboratory, Inc. September 08, 2022. This project is associated with Origins project number Y209137-01.

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: [none]
Project: KMG - Strong P 28-2

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-B01@6'	Y209137-01	Soil	September 8, 2022 14:05	09/08/2022 17:00
WHS-W01@3"	Y209137-02	Soil	September 8, 2022 14:16	09/08/2022 17:00

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4209137

Client: Eagle Environmental
 Client Project ID: Strong P 28-2

Checklist Completed by: TSH + DE

Shipped Via: HR
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Airbill #: N/A

Date/time completed: 9/12/12

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

Cooler Number/Temperature: 1 140 °C / _____ °C / _____ °C (Describe) _____ °C

Thermometer ID: 10084

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	X			
Is there ice present (document if blue ice is used)	X			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		X		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		X		
Were all samples received intact ⁽¹⁾ ?	X			
Was adequate sample volume provided ⁽¹⁾ ?	X			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		X		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	X			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	X			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	X			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	X			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			X	
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 analytes 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)			X	
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 9/12/12

Origins Laboratory, Inc.

[Signature]

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

WH-B01@6'
9/8/2022 2:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y209137-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.336		0.100	mg/L	1	B210907	09/09/2022	09/12/2022	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	455		25.0	mg/kg	1	B210824	09/08/2022	09/09/2022	
Residual Range Organics (C28-C40)	218		100	"	"	"	"	"	

Surrogate: o-Terphenyl	109 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	6.47		0.0500	mg/kg	25	B210823	09/08/2022	09/08/2022	
1,3,5-Trimethylbenzene	0.109		0.00200	"	1	"	"	09/09/2022	
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	0.102		0.00200	"	"	"	"	"	
Gasoline Range Hydrocarbons	173		5.00	"	25	"	"	09/08/2022	

Surrogate: 1,2-Dichloroethane-d4	103 %		70-130			"	"	09/09/2022	
Surrogate: Toluene-d8	99.4 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	91.6 %		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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

WH-B01@6'
 9/8/2022 2:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y209137-01 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	1.73		0.499	meq/L	10	[CALC]	09/09/2022	09/12/2022	
Magnesium	1.99		0.823	"	"	"	"	"	
Sodium	2.96		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	1.21	0.00182	0.00335	mg/Kg	5	L637017	09/13/2022	09/13/2022	
2-Methylnaphthalene	1.69	0.00323	0.00335	"	"	"	"	"	
Acenaphthene	0.11	0.00152	0.00335	"	"	"	"	"	
Anthracene	0.00433	0.00167	0.00335	"	"	"	"	"	
Benzo(a)anthracene	0.00738	0.00247	0.00335	"	"	"	"	"	
Benzo(a)pyrene	0.00481	0.00234	0.00335	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.00293	0.00335	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.00219	0.00335	"	"	"	"	"	
Chrysene	0.0469	0.00312	0.00335	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.00307	0.00335	"	"	"	"	"	
Fluoranthene	0.00276	0.00197	0.00335	"	"	"	"	"	J
Fluorene	0.224	0.00143	0.00335	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00314	0.00335	"	"	"	"	"	
Naphthalene	0.343	0.00242	0.00335	"	"	"	"	"	
Pyrene	0.0228	0.00322	0.00335	"	"	"	"	"	
Surrogate: 2-Fluorobiphenyl	69.8 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	66.2 %		33-122			"	"	"	

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

WH-B01@6'
9/8/2022 2:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y209137-01 (Soil)

PAH by 8270D SIM

Surrogate: Nitrobenzene-d5	72.5 %		29-110			L6370 17	09/13/2022	09/13/2022	
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pH in Soil by 9045D

pH	8.23			pH Units	1	B210911	09/09/2022	09/10/2022	
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SAR by 20B Saturated Paste

SAR	2.17			SAR	1	B210909	09/09/2022	09/12/2022	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.799		0.00500	mmhos/cm	1	B210911	09/09/2022	09/10/2022	
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Table 915 metals by EPA 6020B

Arsenic	3.23		0.0859	mg/kg	5	B210903	09/09/2022	09/12/2022	
Barium	96.0		8.59	"	"	"	"	"	
Cadmium	1.63		0.0859	"	"	"	"	"	
Copper	9.35		8.59	"	"	"	"	"	
Lead	10.8		8.59	"	"	"	"	"	
Nickel	ND		8.59	"	"	"	"	"	U
Selenium	1.92		0.0859	"	"	"	"	"	
Silver	ND		0.0859	"	"	"	"	"	U
Zinc	ND		85.9	"	"	"	"	"	U

Origins Laboratory, Inc.



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

Dan Coloccia
Project Number: [none]
Project: KMG - Strong P 28-2

WH-B01@6'
9/8/2022 2:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y209137-01 (Soil)

Total Metals by 7196A

Chromium, Hexavalent	ND	1.22	2.5	mg/Kg	5	L637063	09/08/2022	09/13/2022	
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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: [none]
 Project: KMG - Strong P 28-2

WHS-W01@3"
9/8/2022 2:16:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y209137-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.637		0.0988	mg/L	1	B210907	09/09/2022	09/12/2022	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	253		25.0	mg/kg	1	B210824	09/08/2022	09/09/2022	
Residual Range Organics (C28-C40)	187		100	"	"	"	"	"	

Surrogate: o-Terphenyl	102 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.0238		0.00200	mg/kg	1	B210823	09/08/2022	09/08/2022	
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	1.55		0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	105 %		70-130			"	"	"	
Surrogate: Toluene-d8	95.8 %		70-130			"	"	"	

Origins Laboratory, Inc.



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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

WHS-W01@3"
9/8/2022 2:16:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y209137-02 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	93.6 %		70-130			B21082 3	09/08/2022	09/08/2022	
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Metals by Saturated Paste by EPA 6010

Calcium	3.22		0.499	meq/L	10	[CALC]	09/09/2022	09/12/2022	
Magnesium	3.60		0.823	"	"	"	"	"	
Sodium	2.19		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	0.141	0.00182	0.00335	mg/Kg	5	L637017	09/13/2022	09/13/2022	
2-Methylnaphthalene	0.128	0.00323	0.00335	"	"	"	"	"	
Acenaphthene	0.0174	0.00152	0.00335	"	"	"	"	"	
Anthracene	0.00222	0.00167	0.00335	"	"	"	"	"	J
Benzo(a)anthracene	ND	0.00247	0.00335	"	"	"	"	"	
Benzo(a)pyrene	0.00438	0.00234	0.00335	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.00293	0.00335	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.00219	0.00335	"	"	"	"	"	
Chrysene	0.0149	0.00312	0.00335	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.00307	0.00335	"	"	"	"	"	
Fluoranthene	ND	0.00197	0.00335	"	"	"	"	"	
Fluorene	0.0559	0.00143	0.00335	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00314	0.00335	"	"	"	"	"	

Origins Laboratory, Inc.



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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

WHS-W01@3"
9/8/2022 2:16:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y209137-02 (Soil)

PAH by 8270D SIM

Naphthalene	0.017	0.00242	0.00335	mg/Kg	5	L637017	09/13/2022	09/13/2022	
Pyrene	0.00923	0.00322	0.00335	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	69.8 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	81 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	65.9 %		29-110			"	"	"	

pH in Soil by 9045D

pH	8.10			pH Units	1	B210911	09/09/2022	09/10/2022	
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SAR by 20B Saturated Paste

SAR	1.19			SAR	1	B210909	09/09/2022	09/12/2022	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.03		0.00500	mmhos/cm	1	B210911	09/09/2022	09/10/2022	
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Table 915 metals by EPA 6020B

Arsenic	2.90		0.0781	mg/kg	5	B210903	09/09/2022	09/12/2022	
Barium	101		7.81	"	"	"	"	"	
Cadmium	0.227		0.0781	"	"	"	"	"	

Origins Laboratory, Inc.



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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

WHS-W01@3"
9/8/2022 2:16:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y209137-02 (Soil)

Table 915 metals by EPA 6020B

Copper	16.9		7.81	mg/kg	5	B210903	09/09/2022	09/12/2022	
Lead	20.0		7.81	"	"	"	"	"	
Nickel	7.87		7.81	"	"	"	"	"	
Selenium	0.385		0.0781	"	"	"	"	"	
Silver	ND		0.0781	"	"	"	"	"	U
Zinc	ND		78.1	"	"	"	"	"	U

Total Metals by 7196A

Chromium, Hexavalent	ND	0.502	1.03	mg/Kg	2	L637063	09/08/2022	09/13/2022	
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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B210823 - EPA 5030 (soil)

Blank (B210823-BLK1)

Prepared: 09/08/2022 Analyzed: 09/08/2022

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	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		98.0	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		89.9	70-130			

Origins Laboratory, Inc.



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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B210823 - EPA 5030 (soil)

LCS (B210823-BS1)

Prepared: 09/08/2022 Analyzed: 09/08/2022

1,2,4-Trimethylbenzene	0.102	0.00200	mg/kg	0.100		102	70-130			
1,3,5-Trimethylbenzene	0.102	0.00200	"	0.100		102	70-130			
Benzene	0.103	0.00200	"	0.100		103	70-130			
Ethylbenzene	0.0993	0.00200	"	0.100		99.3	70-130			
Naphthalene	0.0972	0.00380	"	0.100		97.2	70-130			
Toluene	0.0959	0.00200	"	0.100		95.9	70-130			
o-Xylene	0.101	0.00200	"	0.100		101	70-130			
m,p-Xylene	0.202	0.00400	"	0.200		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		91.7	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		93.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	70-130			

Origins Laboratory, Inc.



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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B210823 - EPA 5030 (soil)

Matrix Spike (B210823-MS1)	Source: Y209128-01			Prepared: 09/08/2022 Analyzed: 09/08/2022						
1,2,4-Trimethylbenzene	0.0900	0.00200	mg/kg	0.100	ND	90.0	70-130			
1,3,5-Trimethylbenzene	0.0896	0.00200	"	0.100	ND	89.6	70-130			
Benzene	0.0914	0.00200	"	0.100	ND	91.4	70-130			
Ethylbenzene	0.0904	0.00200	"	0.100	ND	90.4	70-130			
Naphthalene	0.0854	0.00380	"	0.100	0.000720	84.7	70-130			
Toluene	0.0839	0.00200	"	0.100	ND	83.9	70-130			
o-Xylene	0.0911	0.00200	"	0.100	ND	91.1	70-130			
m,p-Xylene	0.185	0.00400	"	0.200	ND	92.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		91.5	70-130			
Surrogate: Toluene-d8	0.11		"	0.125		91.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		104	70-130			

Origins Laboratory, Inc.



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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B2I0823 - EPA 5030 (soil)

Matrix Spike Dup (B2I0823-MSD1)	Source: Y209128-01			Prepared: 09/08/2022 Analyzed: 09/08/2022						
1,2,4-Trimethylbenzene	0.0870	0.00200	mg/kg	0.100	ND	87.0	70-130	3.30	20	
1,3,5-Trimethylbenzene	0.0874	0.00200	"	0.100	ND	87.4	70-130	2.49	20	
Benzene	0.0908	0.00200	"	0.100	ND	90.8	70-130	0.659	20	
Ethylbenzene	0.0870	0.00200	"	0.100	ND	87.0	70-130	3.83	20	
Naphthalene	0.0811	0.00380	"	0.100	0.000720	80.4	70-130	5.17	20	
Toluene	0.0831	0.00200	"	0.100	ND	83.1	70-130	0.934	20	
o-Xylene	0.0866	0.00200	"	0.100	ND	86.6	70-130	5.07	20	
m,p-Xylene	0.177	0.00400	"	0.200	ND	88.6	70-130	4.07	20	
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		91.0	70-130			
Surrogate: Toluene-d8	0.11		"	0.125		91.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		103	70-130			

Origins Laboratory, Inc.



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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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
Batch B210824 - EPA 3580										
Blank (B210824-BLK1)										
					Prepared: 09/08/2022 Analyzed: 09/08/2022					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	26		"	24.9		103	50-150			

Origins Laboratory, Inc.



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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B210824 - EPA 3580

LCS (B210824-BS1)

Prepared: 09/08/2022 Analyzed: 09/08/2022

Diesel (C10-C28)	913	50.0	mg/kg	1000		91.3	70-130			
Residual Range Organics (C28-C40)	918	200	"	1000		91.8	70-130			
Surrogate: o-Terphenyl	50		"	49.8		101	50-150			

Origins Laboratory, Inc.



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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B210824 - EPA 3580

Matrix Spike (B210824-MS1)	Source: Y209137-01			Prepared: 09/08/2022 Analyzed: 09/08/2022						
Diesel (C10-C28)	2080	50.0	mg/kg	1000	455	163	70-130			QM-07
Residual Range Organics (C28-C40)	1370	200	"	1000	218	116	70-130			
Surrogate: o-Terphenyl	55		"	49.8		110	50-150			

Origins Laboratory, Inc.



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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B210824 - EPA 3580

Matrix Spike Dup (B210824-MSD1)	Source: Y209137-01			Prepared: 09/08/2022 Analyzed: 09/09/2022						
Diesel (C10-C28)	1880	50.0	mg/kg	1000	455	142	70-130	10.4	35	QM-07
Residual Range Organics (C28-C40)	1260	200	"	1000	218	104	70-130	8.77	35	
Surrogate: o-Terphenyl	50		"	49.8		100	50-150			

Origins Laboratory, Inc.



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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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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Metals by SM 3500 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 B2I0903 - Default Prep Metals

Blank (B2I0903-BLK1)

Prepared: 09/09/2022 Analyzed: 09/12/2022

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

LCS (B2I0903-BS1)

Prepared: 09/09/2022 Analyzed: 09/12/2022

Arsenic	0.0508	0.000100	mg/kg	0.0500		102	80-120			
Barium	5.10	0.0100	"	5.00		102	80-120			
Cadmium	0.0528	0.000100	"	0.0500		106	80-120			
Copper	0.554	0.0100	"	0.500		111	80-120			
Lead	0.0533	0.0100	"	0.0500		107	80-120			
Nickel	0.0511	0.0100	"	0.0500		102	80-120			
Selenium	0.0490	0.000100	"	0.0500		98.0	80-120			
Silver	0.0552	0.000100	"	0.0500		110	80-120			
Zinc	0.519	0.100	"	0.500		104	80-120			

Matrix Spike (B2I0903-MS1)

Source: Y209117-01

Prepared: 09/09/2022 Analyzed: 09/12/2022

Origins Laboratory, Inc.



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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

Metals by SM 3500 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 B2I0903 - Default Prep Metals

Matrix Spike (B2I0903-MS1)		Source: Y209117-01			Prepared: 09/09/2022 Analyzed: 09/12/2022					
Arsenic	9.35	0.0789	mg/kg	7.89	1.25	103	75-125			
Barium	828	7.89	"	789	11.7	103	75-125			
Cadmium	8.39	0.0789	"	7.89	0.0266	106	75-125			
Copper	89.0	7.89	"	78.9	2.12	110	75-125			
Lead	10.6	7.89	"	7.89	2.86	97.7	75-125			
Nickel	9.81	7.89	"	7.89	1.64	104	75-125			
Selenium	7.48	0.0789	"	7.89	0.0466	94.2	75-125			
Silver	8.69	0.0789	"	7.89	0.00951	110	75-125			
Zinc	89.9	78.9	"	78.9	9.03	102	75-125			
Matrix Spike Dup (B2I0903-MSD1)		Source: Y209117-01			Prepared: 09/09/2022 Analyzed: 09/12/2022					
Arsenic	9.85	0.0817	mg/kg	8.17	1.25	105	75-125	5.21	20	
Barium	897	8.17	"	817	11.7	108	75-125	8.00	20	
Cadmium	8.90	0.0817	"	8.17	0.0266	109	75-125	5.91	20	
Copper	95.6	8.17	"	81.7	2.12	114	75-125	7.15	20	
Lead	10.6	8.17	"	8.17	2.86	94.4	75-125	0.0767	20	
Nickel	10.2	8.17	"	8.17	1.64	105	75-125	4.01	20	
Selenium	8.36	0.0817	"	8.17	0.0466	102	75-125	11.1	20	
Silver	9.20	0.0817	"	8.17	0.00951	113	75-125	5.78	20	
Zinc	97.5	81.7	"	81.7	9.03	108	75-125	8.10	20	

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B2I0907 - Default Prep Metals

Blank (B2I0907-BLK1)

Prepared: 09/09/2022 Analyzed: 09/12/2022

Boron ND 0.100 mg/L

Duplicate (B2I0907-DUP1)

Source: Y209134-01

Prepared: 09/09/2022 Analyzed: 09/12/2022

Boron 0.136 0.100 mg/L 0.132 2.75 50

Batch B2I0909 - Default Prep Metals

Blank (B2I0909-BLK1)

Prepared: 09/09/2022 Analyzed: 09/12/2022

Calcium PPM ND 10.0 mg/L

SAR 0.00 SAR

Magnesium PPM ND 10.0 mg/L

Sodium PPM ND 10.0 "

Duplicate (B2I0909-DUP1)

Source: Y209134-01

Prepared: 09/09/2022 Analyzed: 09/12/2022

Calcium PPM 28.6 10.0 mg/L 31.5 9.63 50

SAR 0.00 SAR 4.55 200 200

Magnesium PPM 9.32 10.0 mg/L 9.92 6.31 50

Sodium PPM 111 10.0 " 114 3.08 50

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B2I0911 - NO PREP

Blank (B2I0911-BLK1)

Prepared: 09/09/2022 Analyzed: 09/10/2022

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

Duplicate (B2I0911-DUP1)

Source: Y209134-01

Prepared: 09/09/2022 Analyzed: 09/10/2022

pH	8.12		pH Units		8.10			0.247	25	
Specific Conductance (EC)	0.749	0.00500	mmhos/cm		0.781			4.09	25	

Origins Laboratory, Inc.



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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 L637017 - 3550B

MSD (L 97795-MSD-L637017)		Source: 97795			Prepared: 09/13/2022 Analyzed: 09/13/2022					
Benzo(b)fluoranthene	0.0844	0.00067	mg/Kg	0.164	<0.000585	51.4	30-130	34	30	
2-Methylnaphthalene	0.101	0.00067	"	0.164	<0.000645	61.5	30-130	11.2	30	
Pyrene	0.114	0.00067	"	0.164	<0.000643	69.5	30-130	10.7	30	
Naphthalene	0.0995	0.00067	"	0.164	<0.000484	60.6	30-130	10.9	30	
Indeno(1,2,3-cd)pyrene	0.107	0.00067	"	0.164	<0.000627	65.2	30-130	26.7	30	
Fluorene	0.109	0.00067	"	0.164	<0.000286	66.4	30-130	10.4	30	
Fluoranthene	0.115	0.00067	"	0.164	<0.000394	70.1	30-130	10.6	30	
Dibenz(a,h)anthracene	0.113	0.00067	"	0.164	<0.000614	68.9	30-130	24.8	30	
Chrysene	0.109	0.00067	"	0.164	<0.000624	66.4	30-130	14.4	30	
Benzo(k)fluoranthene	0.103	0.00067	"	0.164	<0.000437	62.8	30-130	7.4	30	
1-Methylnaphthalene	0.101	0.00067	"	0.164	<0.000364	61.5	30-130	11.2	30	
Benzo(a)anthracene	0.113	0.00067	"	0.164	<0.000493	68.9	30-130	12.4	30	
Anthracene	0.114	0.00067	"	0.164	<0.000334	69.5	30-130	10.7	30	
Benzo(a)pyrene	0.13	0.00067	"	0.164	<0.000468	79.2	30-130	12.2	30	
Acenaphthene	0.102	0.00067	"	0.164	<0.000304	62.1	30-130	9.3	30	
Surrogate: Nitrobenzene-d5	60.1		"	0.329	209	60.1	29-110			
Surrogate: 4-Terphenyl-d14	68.6		"	0.329	247	68.6	33-122			
Surrogate: 2-Fluorobiphenyl	60.1		"	0.329	207	60.1	33-115			

MS (L 97795-MS-L637017)		Source: 97795			Prepared: 09/13/2022 Analyzed: 09/13/2022					
Benzo(b)fluoranthene	0.119	0.00067	mg/Kg	0.165	<0.000585	72.1	30-130			
Pyrene	0.127	0.00067	"	0.165	<0.000643	76.9	30-130			
Chrysene	0.126	0.00067	"	0.165	<0.000624	76.3	30-130			
Fluoranthene	0.128	0.00067	"	0.165	<0.000394	77.5	30-130			
Fluorene	0.121	0.00067	"	0.165	<0.000286	73.3	30-130			
Indeno(1,2,3-cd)pyrene	0.14	0.00067	"	0.165	<0.000627	84.8	30-130			
Benzo(k)fluoranthene	0.111	0.00067	"	0.165	<0.000437	67.2	30-130			

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 L637017 - 3550B

MS (L 97795-MS-L637017)	Source: 97795			Prepared: 09/13/2022 Analyzed: 09/13/2022						
Benzo(a)pyrene	0.147	0.00067	mg/Kg	0.165	<0.000468	89	30-130			
Naphthalene	0.111	0.00067	"	0.165	<0.000484	67.2	30-130			
Anthracene	0.127	0.00067	"	0.165	<0.000334	76.9	30-130			
Acenaphthene	0.112	0.00067	"	0.165	<0.000304	67.8	30-130			
2-Methylnaphthalene	0.113	0.00067	"	0.165	<0.000645	68.4	30-130			
1-Methylnaphthalene	0.113	0.00067	"	0.165	<0.000364	68.4	30-130			
Benzo(a)anthracene	0.128	0.00067	"	0.165	<0.000493	77.5	30-130			
Dibenz(a,h)anthracene	0.145	0.00067	"	0.165	<0.000614	87.8	30-130			
Surrogate: Nitrobenzene-d5	68.4		"	0.33	209	68.4	29-110			
Surrogate: 4-Terphenyl-d14	74.5		"	0.33	247	74.5	33-122			
Surrogate: 2-Fluorobiphenyl	66.3		"	0.33	207	66.3	33-115			

LCS (LCS-L637017)	Prepared: 09/13/2022 Analyzed: 09/13/2022									
Benzo(b)fluoranthene	0.102	0.00067	mg/Kg	0.167		61	30-130			
Benzo(k)fluoranthene	0.123	0.00067	"	0.167		73.6	30-130			
Chrysene	0.115	0.00067	"	0.167		68.8	30-130			
Fluoranthene	0.119	0.00067	"	0.167		71.2	30-130			
Benzo(a)pyrene	0.134	0.00067	"	0.167		80.2	30-130			
Naphthalene	0.104	0.00067	"	0.167		62.2	30-130			
Dibenz(a,h)anthracene	0.133	0.00067	"	0.167		79.6	30-130			
Pyrene	0.12	0.00067	"	0.167		71.8	30-130			
Indeno(1,2,3-cd)pyrene	0.133	0.00067	"	0.167		79.6	30-130			
Anthracene	0.118	0.00067	"	0.167		70.6	30-130			
Acenaphthene	0.107	0.00067	"	0.167		64	30-130			
2-Methylnaphthalene	0.106	0.00067	"	0.167		63.4	30-130			
1-Methylnaphthalene	0.105	0.00067	"	0.167		62.8	30-130			
Fluorene	0.112	0.00067	"	0.167		67	30-130			

Origins Laboratory, Inc.



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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 L637017 - 3550B

LCS (LCS-L637017)

Prepared: 09/13/2022 Analyzed: 09/13/2022

Benzo(a)anthracene	0.119	0.00067	mg/Kg	0.167		71.2	30-130			
Surrogate: Nitrobenzene-d5	67.5		"	0.333		67.5	29-110			
Surrogate: 4-Terphenyl-d14	77.7		"	0.333		77.7	33-122			
Surrogate: 2-Fluorobiphenyl	69.6		"	0.333		69.6	33-115			

LRB (LRB-L637017)

Prepared: 09/13/2022 Analyzed: 09/13/2022

Naphthalene	ND	0.00067	mg/Kg				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00067	"				-			
Pyrene	ND	0.00067	"				-			
Surrogate: 2-Fluorobiphenyl	66		"	0.333		66	33-115			
Surrogate: Nitrobenzene-d5	66.9		"	0.333		66.9	29-110			
Surrogate: 4-Terphenyl-d14	72.9		"	0.333		72.9	33-122			

Origins Laboratory, Inc.



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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 L637063 -										
DUP (L 97781-DUP)		Source: 97781			Prepared: Analyzed: 09/13/2022					
Chromium, Hexavalent	ND	1	mg/Kg		<1.00		-	0	20	
MS (L 97781-MS)		Source: 97781			Prepared: Analyzed: 09/13/2022					
Chromium, Hexavalent	32.5	2.5	mg/Kg	38.6	< 0.502	84	75-125			
MSD (L 97781-MSD)		Source: 97781			Prepared: Analyzed: 09/13/2022					
Chromium, Hexavalent	515	50	mg/Kg	609	<24.4	85	75-125			
LCS (LCS)					Prepared: Analyzed: 09/13/2022					
Chromium, Hexavalent	7.47	0.5	mg/Kg	8		93	75-125			
LRB (LRB)					Prepared: Analyzed: 09/13/2022					
Chromium, Hexavalent	ND	0.5	mg/Kg				-			

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

Dan Coloccia
Project Number: [none]
Project: KMG - Strong P 28-2

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.



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.



September 19, 2022

Eagle Environmental Consulting, Inc.

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - Strong P 28-2

Project Number - [none]

Attached are your analytical results for KMG - Strong P 28-2 received by Origins Laboratory, Inc. September 15, 2022. This project is associated with Origins project number Y209333-01.

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: [none]
Project: KMG - Strong P 28-2

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
DL-B01@5'	Y209333-01	Soil	September 15, 2022 14:20	09/15/2022 15:31

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.

Jen Pellegrini For Noelle Doyle Mathis, President

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 1209333

Client: Eagle

Client Project ID: Strong P 28-2

Checklist Completed by: DE

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

Date/time completed: 09/15/2022

Airbill #: NR

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

Cooler Number/Temperature: 1 / 3.4 °C / _____ °C / _____ °C (Describe)

Thermometer ID: T004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with Na ₂ CO ₃ +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.

Dan Coloccia
 Reviewed by (Project Manager)

09/15/2022
 Date/Time Reviewed

Origins Laboratory, Inc.

Jefe Pellegrini

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

DL-B01@5'

9/15/2022 2:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y209333-01 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B211530	ADM	09/15/2022	09/16/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ADM	"	"	U

Surrogate: o-Terphenyl 103 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B211533	ADM	09/15/2022	09/15/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ADM	"	"	U
Benzene	ND	0.00200	"	"	"	ADM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ADM	"	"	U
Naphthalene	ND	0.00380	"	"	"	ADM	"	"	U
Toluene	ND	0.00200	"	"	"	ADM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ADM	"	"	U
Gasoline Range Hydrocarbons	0.373	0.200	"	"	"	ADM	"	"	

Surrogate: 1,2-Dichloroethane-d4 90.7 % 70-130 " " "
Surrogate: Toluene-d8 91.0 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 93.3 % 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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B211530 - EPA 3580										
Blank (B211530-BLK1)										
					Prepared: 09/15/2022 Analyzed: 09/16/2022					
Diesel (C10-C28)	ND	12.5	mg/kg							U
Residual Range Organics (C28-C40)	ND	50.0	"							U
Surrogate: o-Terphenyl	26		"	24.9		104	50-150			

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B211530 - EPA 3580

LCS (B211530-BS1)

Prepared: 09/15/2022 Analyzed: 09/16/2022

Diesel (C10-C28)	939	25.0	mg/kg	1000		93.9	70-130			
Residual Range Organics (C28-C40)	1160	100	"	1000		116	70-130			
Surrogate: o-Terphenyl	51		"	49.8		102	50-150			

Origins Laboratory, Inc.



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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B211530 - EPA 3580

Matrix Spike (B211530-MS1)	Source: Y209319-01			Prepared: 09/15/2022 Analyzed: 09/16/2022						
Diesel (C10-C28)	926	25.0	mg/kg	1000	ND	92.6	70-130			
Residual Range Organics (C28-C40)	1110	100	"	1000	ND	111	70-130			
Surrogate: o-Terphenyl	47		"	49.8		94.6	50-150			

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B211530 - EPA 3580

Matrix Spike Dup (B211530-MSD1)	Source: Y209319-01			Prepared: 09/15/2022 Analyzed: 09/16/2022						
Diesel (C10-C28)	920	25.0	mg/kg	1000	ND	92.0	70-130	0.646	35	
Residual Range Organics (C28-C40)	1080	100	"	1000	ND	108	70-130	2.62	35	
Surrogate: o-Terphenyl	46		"	49.8		93.4	50-150			

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.

Jen Pellegrini For Noelle Doyle Mathis, President

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B211533 - EPA 5030 (soil)										
Blank (B211533-BLK1)										
					Prepared: 09/15/2022 Analyzed: 09/15/2022					
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	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		84.0	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		95.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		90.8	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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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

Batch B211533 - EPA 5030 (soil)

LCS (B211533-BS1)

Prepared: 09/15/2022 Analyzed: 09/15/2022

1,2,4-Trimethylbenzene	0.112	0.00200	mg/kg	0.100		112	70-130			
1,3,5-Trimethylbenzene	0.114	0.00200	"	0.100		114	70-130			
Benzene	0.117	0.00200	"	0.100		117	70-130			
Ethylbenzene	0.109	0.00200	"	0.100		109	70-130			
Naphthalene	0.0970	0.00380	"	0.100		97.0	70-130			
Toluene	0.105	0.00200	"	0.100		105	70-130			
o-Xylene	0.108	0.00200	"	0.100		108	70-130			
m,p-Xylene	0.219	0.00400	"	0.200		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.098		"	0.125		78.4	70-130			
Surrogate: Toluene-d8	0.11		"	0.125		91.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		103	70-130			

Origins Laboratory, Inc.



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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B211533 - EPA 5030 (soil)

Matrix Spike (B211533-MS1)	Source: Y209319-01			Prepared: 09/15/2022 Analyzed: 09/15/2022						
1,2,4-Trimethylbenzene	0.0853	0.00200	mg/kg	0.100	ND	85.3	70-130			
1,3,5-Trimethylbenzene	0.0861	0.00200	"	0.100	ND	86.1	70-130			
Benzene	0.0948	0.00200	"	0.100	ND	94.8	70-130			
Ethylbenzene	0.0871	0.00200	"	0.100	ND	87.1	70-130			
Naphthalene	0.0742	0.00380	"	0.100	0.000840	73.4	70-130			
Toluene	0.0819	0.00200	"	0.100	ND	81.9	70-130			
o-Xylene	0.0863	0.00200	"	0.100	ND	86.3	70-130			
m,p-Xylene	0.175	0.00400	"	0.200	ND	87.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		84.8	70-130			
Surrogate: Toluene-d8	0.11		"	0.125		90.8	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B211533 - EPA 5030 (soil)

Matrix Spike Dup (B211533-MSD1)	Source: Y209319-01			Prepared: 09/15/2022 Analyzed: 09/15/2022						
1,2,4-Trimethylbenzene	0.0975	0.00200	mg/kg	0.100	ND	97.5	70-130	13.4	20	
1,3,5-Trimethylbenzene	0.0993	0.00200	"	0.100	ND	99.3	70-130	14.3	20	
Benzene	0.108	0.00200	"	0.100	ND	108	70-130	12.8	20	
Ethylbenzene	0.0998	0.00200	"	0.100	ND	99.8	70-130	13.6	20	
Naphthalene	0.0881	0.00380	"	0.100	0.000840	87.3	70-130	17.1	20	
Toluene	0.0933	0.00200	"	0.100	ND	93.3	70-130	13.0	20	
o-Xylene	0.0978	0.00200	"	0.100	ND	97.8	70-130	12.5	20	
m,p-Xylene	0.200	0.00400	"	0.200	ND	100	70-130	13.6	20	
Surrogate: 1,2-Dichloroethane-d4	0.10		"	0.125		80.0	70-130			
Surrogate: Toluene-d8	0.11		"	0.125		88.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		105	70-130			

Origins Laboratory, Inc.



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

Dan Coloccia
Project Number: [none]
Project: KMG - Strong P 28-2

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.

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.



March 28, 2023

Eagle Environmental Consulting, LLC

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - Strong P 28-2

Project Number - [none]

Attached are your analytical results for KMG - Strong P 28-2 received by Origins Laboratory, Inc. November 01, 2022. This project is associated with Origins project number Y211027-01.

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 - Strong P 28-2

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
W -B02@11'	Y211027-01	Soil	November 1, 2022 12:43	11/01/2022 15:05
W -N02@6'	Y211027-02	Soil	November 1, 2022 12:44	11/01/2022 15:05
W -N03@6'	Y211027-03	Soil	November 1, 2022 12:45	11/01/2022 15:05
W -S02@6'	Y211027-04	Soil	November 1, 2022 12:46	11/01/2022 15:05
W -S03@6'	Y211027-05	Soil	November 1, 2022 12:47	11/01/2022 15:05
W -E02@6'	Y211027-06	Soil	November 1, 2022 12:48	11/01/2022 15:05
W -W02@6'	Y211027-07	Soil	November 1, 2022 12:53	11/01/2022 15:05
W -W02@1'	Y211027-08	Soil	November 1, 2022 12:50	11/01/2022 15:05
W -BG03@10'	Y211027-09	Soil	November 1, 2022 13:28	11/01/2022 15:05
W -BG04@10'	Y211027-10	Soil	November 1, 2022 13:41	11/01/2022 15:05

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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 - Strong P 28-2



1211027
 Impacted

www.originslaboratory.com

page 1 of 1

Client: Eagle Environmental (014)
 Address: 8000 W 44th Ave
 Wheat Ridge, CO 80033
 Telephone Number: 303-433-0479
 Email Address: dcoloccia@eagle-envi.com

Project Manager: D. Coloccia
 Project Name: Strong P 28-2
 Project Number: -
 Samples Collected By: AM/CS

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative			Matrix		Analysis						Sample Instructions						
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air/Surface	Other	Asph	TPH	TC		PH	12-Methyl	Parsonic	PCB's	Mercury	Science
WH-B02011'	11/1/22	12:43	2	X				X		X	X	X	X	X	X	X	X	X	X	X	
WH-N0206'		12:44																			
WH-N0306'		12:45																			
WH-S0206'		12:46																			
WH-S0306'		12:47																			
WH-E0206'		12:48																			
WH-W0206'		12:53																			
WH-W0201'		12:50																			
WH-BG03010'		13:28																			
WH-BG04010'		13:41																			
Relinquished By: Chris Bozik	Date: 11/1/22	Time: 1505	Received By: [Signature]	Date: 11/01/22	Time: 1505	Turnaround Time: Same Day <input checked="" type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input type="checkbox"/>															

Temp Received: 80 Date Results Needed:

Origins Laboratory, Inc.

Jen Pellegrini For Noelle Doyle Mathis, President

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 - Strong P 28-2

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4211027

Client: Eagle Environmental
 Client Project ID: Strong P 28-2

Checklist Completed by: TSK/DE

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

Date/time completed: 11/01/22

Airbill #: N/A

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

Cooler Number/Temperature: (/ 8.0 °C / _____ °C / _____ °C (Describe) _____ °C

Thermometer ID: 100H

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"/>		same day
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 11/01/22

Origins Laboratory, Inc.

[Signature]

Jen Pellegrini For Noelle Doyle Mathis, President

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 - Strong P 28-2

W -B02 11

11/1/2022 12:43:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y211027-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.861		0.100	mg/L	1	B2K0211	11/02/2022	11/03/2022	
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DRO/ORO by EPA 8015D

Diesel C10-C28	ND		25.0	mg/kg	1	B2K0124	11/01/2022	11/02/2022	U
Residual Range Organics C28-C40	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	76.0 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.00328		0.00200	mg/kg	1	B2K0132	11/01/2022	11/02/2022	
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Gasoline Range hydrocarbons	0.231		0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	101 %		70-130			"	"	"	
Surrogate: Toluene-d8	101 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %		70-130			"	"	"	

PA by 8270D SIM

1-Methylnaphthalene	0.00114	0.0010	0.00201	mg/Kg	1	L647051	11/04/2022	11/07/2022	J
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Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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 - Strong P 28-2

W -B02 11

11/1/2022 12:43:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y211027-01 (Soil)

PA by 8270D SIM

2-Methylnaphthalene	ND	0.00194	0.00201	mg/Kg	1	L647051	11/04/2022	11/07/2022	
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"	

Surrogate: 2- luorobiphenyl	48.5 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	58.5 %		33-122			"	"	"	
Surrogate: itrobenzene-d5	43.6 %		29-110			"	"	"	

p in Soil by 045D

p	7.84			p Units	1	B2K0218	11/02/2022	11/03/2022	
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Table 15 metals by EPA 6020B

Arsenic	1.86		0.0906	mg/kg	10	B2K0129	11/01/2022	11/03/2022	
Barium	2.6		9.06	"	"	"	"	"	
Cadmium	ND		0.0906	"	"	"	"	"	U
Copper	ND		9.06	"	"	"	"	"	U
Lead	ND		9.06	"	"	"	"	"	U
Nickel	ND		9.06	"	"	"	"	"	U
Selenium	0.465		0.0906	"	"	"	"	"	

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

W -N02 6

11/1/2022 12:44:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y211027-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.326		0.100	mg/L	1	B2K0211	11/02/2022	11/03/2022	
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DRO/ORO by EPA 8015D

Diesel C10-C28	ND		25.0	mg/kg	1	B2K0124	11/01/2022	11/02/2022	U
Residual Range Organics C28-C40	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	71.4 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2K0132	11/01/2022	11/02/2022	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Gasoline Range hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	99.3 %		70-130			"	"	"	
Surrogate: Toluene-d8	101 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %		70-130			"	"	"	

PA by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L647051	11/04/2022	11/07/2022	
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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 - Strong P 28-2

W -N02 6

11/1/2022 12:44:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y211027-02 (Soil)

PA by 8270D SIM

2-Methylnaphthalene	ND	0.00194	0.00201	mg/Kg	1	L647051	11/04/2022	11/07/2022	
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"	

Surrogate: 2- luorobiphenyl	46.4 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	53.3 %		33-122			"	"	"	
Surrogate: itrobenzene-d5	42.5 %		29-110			"	"	"	

p in Soil by 045D

p	8.11			p Units	1	B2K0218	11/02/2022	11/03/2022	
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Table 15 metals by EPA 6020B

Arsenic	1.35		0.0972	mg/kg	10	B2K0129	11/01/2022	11/03/2022	
Barium	72.4		9.72	"	"	"	"	"	
Cadmium	ND		0.0972	"	"	"	"	"	U
Copper	ND		9.72	"	"	"	"	"	U
Lead	ND		9.72	"	"	"	"	"	U
Nickel	ND		9.72	"	"	"	"	"	U
Selenium	0.174		0.0972	"	"	"	"	"	

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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 - Strong P 28-2

W -N03 6

11/1/2022 12:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y211027-03 (Soil)

Boron (DTPA Sorbitol)

Boron	1.6		0.0988	mg/L	1	B2K0211	11/02/2022	11/03/2022	
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DRO/ORO by EPA 8015D

Diesel C10-C28	ND		25.0	mg/kg	1	B2K0124	11/01/2022	11/02/2022	U
Residual Range Organics C28-C40	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	86.9 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2K0132	11/01/2022	11/02/2022	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Gasoline Range hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	103 %		70-130			"	"	"	
Surrogate: Toluene-d8	101 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %		70-130			"	"	"	

PA by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L647051	11/04/2022	11/07/2022	
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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 - Strong P 28-2

W -N03 6

11/1/2022 12:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y211027-03 (Soil)

PA by 8270D SIM

2-Methylnaphthalene	ND	0.00194	0.00201	mg/Kg	1	L647051	11/04/2022	11/07/2022	
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"	

Surrogate: 2- luorobiphenyl	44.5 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	51.2 %		33-122			"	"	"	
Surrogate: itrobenzene-d5	41.5 %		29-110			"	"	"	

p in Soil by 045D

p	8.07			p Units	1	B2K0218	11/02/2022	11/03/2022	
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Table 15 metals by EPA 6020B

Arsenic	1.		0.0960	mg/kg	10	B2K0129	11/01/2022	11/03/2022	
Barium	407		9.60	"	"	"	"	"	
Cadmium	0.216		0.0960	"	"	"	"	"	
Copper	ND		9.60	"	"	"	"	"	U
Lead	ND		9.60	"	"	"	"	"	U
Nickel	10.6		9.60	"	"	"	"	"	
Selenium	0.280		0.0960	"	"	"	"	"	

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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 - Strong P 28-2

W -S02 6

11/1/2022 12:46:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y211027-04 (Soil)

Boron (DTPA Sorbitol)

Boron	0.706		0.0996	mg/L	1	B2K0211	11/02/2022	11/03/2022	
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DRO/ORO by EPA 8015D

Diesel C10-C28	ND		25.0	mg/kg	1	B2K0124	11/01/2022	11/02/2022	U
Residual Range Organics C28-C40	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	94.0 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2K0132	11/01/2022	11/02/2022	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Gasoline Range hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	104 %		70-130			"	"	"	
Surrogate: Toluene-d8	100 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %		70-130			"	"	"	

PA by 8270D-SIM

1-Methylnaphthalene	ND	0.00549	0.0101	mg/Kg	5	L647055	11/04/2022	11/07/2022	
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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 - Strong P 28-2

W -S02 6

11/1/2022 12:46:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y211027-04 (Soil)

PA by 8270D-SIM

2-Methylnaphthalene	ND	0.00972	0.0101	mg/Kg	5	L647055	11/04/2022	11/07/2022	
Naphthalene	ND	0.0073	0.0101	"	"	"	"	"	

Surrogate: 2- Iuorobiphenyl	39.6 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	45 %		33-122			"	"	"	
Surrogate: itrobenzene-d5	36.9 %		29-110			"	"	"	

p in Soil by 045D

p	8.1			p Units	1	B2K0218	11/02/2022	11/03/2022	
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Table 15 metals by EPA 6020B

Arsenic	1.5		0.0925	mg/kg	10	B2K0129	11/01/2022	11/03/2022	
Barium	114		9.25	"	"	"	"	"	
Cadmium	0.144		0.0925	"	"	"	"	"	
Copper	ND		9.25	"	"	"	"	"	U
Lead	.2		9.25	"	"	"	"	"	
Nickel	ND		9.25	"	"	"	"	"	U
Selenium	0.221		0.0925	"	"	"	"	"	

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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 - Strong P 28-2

W -S03 6

11/1/2022 12:47:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y211027-05 (Soil)

Boron (DTPA Sorbitol)

Boron	0.77		0.101	mg/L	1	B2K0211	11/02/2022	11/03/2022	
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DRO/ORO by EPA 8015D

Diesel C10-C28	ND		25.0	mg/kg	1	B2K0124	11/01/2022	11/02/2022	U
Residual Range Organics C28-C40	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	85.4 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2K0132	11/01/2022	11/02/2022	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Gasoline Range hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	103 %		70-130			"	"	"	
Surrogate: Toluene-d8	99.8 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %		70-130			"	"	"	

PA by 8270D-SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L647055	11/04/2022	11/07/2022	
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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 - Strong P 28-2

W -S03 6

11/1/2022 12:47:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y211027-05 (Soil)

PA by 8270D-SIM

2-Methylnaphthalene	ND	0.00194	0.00201	mg/Kg	1	L647055	11/04/2022	11/07/2022	
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"	

Surrogate: 2- luorobiphenyl	38.5 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	45.2 %		33-122			"	"	"	
Surrogate: itrobenzene-d5	30.1 %		29-110			"	"	"	

p in Soil by 045D

p	8.1			p Units	1	B2K0218	11/02/2022	11/03/2022	
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Table 15 metals by EPA 6020B

Arsenic	2.43		0.0864	mg/kg	10	B2K0129	11/01/2022	11/03/2022	
Barium	3 8		8.64	"	"	"	"	"	
Cadmium	0.325		0.0864	"	"	"	"	"	
Copper	ND		8.64	"	"	"	"	"	U
Lead	ND		8.64	"	"	"	"	"	U
Nickel	ND		8.64	"	"	"	"	"	U
Selenium	0.2 1		0.0864	"	"	"	"	"	

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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 - Strong P 28-2

W -E02 6

11/1/2022 12:48:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y211027-06 (Soil)

Boron (DTPA Sorbitol)

Boron	0.275		0.101	mg/L	1	B2K0211	11/02/2022	11/03/2022	
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DRO/ORO by EPA 8015D

Diesel C10-C28	ND		25.0	mg/kg	1	B2K0124	11/01/2022	11/02/2022	U
Residual Range Organics C28-C40	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	83.2 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2K0132	11/01/2022	11/02/2022	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Gasoline Range hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	103 %		70-130			"	"	"	
Surrogate: Toluene-d8	101 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	104 %		70-130			"	"	"	

PA by 8270D-SIM

1-Methylnaphthalene	ND	0.00549	0.0101	mg/Kg	5	L647055	11/04/2022	11/07/2022	
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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 - Strong P 28-2

W -E02 6

11/1/2022 12:48:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y211027-06 (Soil)

PA by 8270D-SIM

2-Methylnaphthalene	ND	0.00972	0.0101	mg/Kg	5	L647055	11/04/2022	11/07/2022	
Naphthalene	ND	0.0073	0.0101	"	"	"	"	"	

Surrogate: 2- luorobiphenyl	51.4 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	58.3 %		33-122			"	"	"	
Surrogate: itrobenzene-d5	45 %		29-110			"	"	"	

p in Soil by 045D

p	8.25			p Units	1	B2K0218	11/02/2022	11/03/2022	
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Table 15 metals by EPA 6020B

Arsenic	1.64		0.0865	mg/kg	10	B2K0129	11/01/2022	11/03/2022	
Barium	64.8		8.65	"	"	"	"	"	
Cadmium	ND		0.0865	"	"	"	"	"	U
Copper	ND		8.65	"	"	"	"	"	U
Lead	ND		8.65	"	"	"	"	"	U
Nickel	ND		8.65	"	"	"	"	"	U
Selenium	0.205		0.0865	"	"	"	"	"	

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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 - Strong P 28-2

W -W02 6
11/1/2022 12:53:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y211027-07 (Soil)

Boron (DTPA Sorbitol)

Boron	1.02		1.00	mg/L	10	B2K0211	11/02/2022	11/03/2022	
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DRO/ORO by EPA 8015D

Diesel C10-C28	ND		25.0	mg/kg	1	B2K0124	11/01/2022	11/02/2022	U
Residual Range Organics C28-C40	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	88.0 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2K0132	11/01/2022	11/02/2022	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Gasoline Range hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	105 %		70-130			"	"	"	
Surrogate: Toluene-d8	101 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %		70-130			"	"	"	

PA by 8270D-SIM

1-Methylnaphthalene	ND	0.00549	0.0101	mg/Kg	5	L647055	11/04/2022	11/07/2022	
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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 - Strong P 28-2

W -W02 6

11/1/2022 12:53:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y211027-07 (Soil)

PA by 8270D-SIM

2-Methylnaphthalene	ND	0.00972	0.0101	mg/Kg	5	L647055	11/04/2022	11/07/2022	
Naphthalene	ND	0.0073	0.0101	"	"	"	"	"	

Surrogate: 2- luorobiphenyl	49.2 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	65.5 %		33-122			"	"	"	
Surrogate: itrobenzene-d5	44.3 %		29-110			"	"	"	

p in Soil by 045D

p	8.06			p Units	1	B2K0218	11/02/2022	11/03/2022	
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Table 15 metals by EPA 6020B

Arsenic	4.4		0.0900	mg/kg	10	B2K0129	11/01/2022	11/03/2022	
Barium	31		9.00	"	"	"	"	"	
Cadmium	0.148		0.0900	"	"	"	"	"	
Copper	ND		9.00	"	"	"	"	"	U
Lead	ND		9.00	"	"	"	"	"	U
Nickel	10.4		9.00	"	"	"	"	"	
Selenium	0.444		0.0900	"	"	"	"	"	

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

W -W02 1
11/1/2022 12:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y211027-08 (Soil)

Boron (DTPA Sorbitol)

Boron	0.601		0.0986	mg/L	1	B2K0211	11/02/2022	11/03/2022	
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DRO/ORO by EPA 8015D

Diesel C10-C28	ND		25.0	mg/kg	1	B2K0124	11/01/2022	11/02/2022	U
Residual Range Organics C28-C40	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	87.3 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2K0132	11/01/2022	11/02/2022	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Gasoline Range hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	106 %		70-130			"	"	"	
Surrogate: Toluene-d8	102 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %		70-130			"	"	"	

PA by 8270D-SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L647055	11/04/2022	11/07/2022	
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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 - Strong P 28-2

W -W02 1

11/1/2022 12:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y211027-08 (Soil)

PA by 8270D-SIM

2-Methylnaphthalene	ND	0.00194	0.00201	mg/Kg	1	L647055	11/04/2022	11/07/2022	
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"	

Surrogate: 2- luorobiphenyl	49.7 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	62 %		33-122			"	"	"	
Surrogate: itrobenzene-d5	42.9 %		29-110			"	"	"	

p in Soil by 045D

p	8.00			p Units	1	B2K0218	11/02/2022	11/03/2022	
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Table 15 metals by EPA 6020B

Arsenic	1.6		0.0907	mg/kg	10	B2K0129	11/01/2022	11/03/2022	
Barium	67.8		9.07	"	"	"	"	"	
Cadmium	ND		0.0907	"	"	"	"	"	U
Copper	ND		9.07	"	"	"	"	"	U
Lead	ND		9.07	"	"	"	"	"	U
Nickel	ND		9.07	"	"	"	"	"	U
Selenium	0.230		0.0907	"	"	"	"	"	

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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 - Strong P 28-2

W -BG03 10
11/1/2022 1:28:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y211027-0 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.0990	mg/L	1	B2K0211	11/02/2022	11/03/2022	U
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p in Soil by 045D

p	8.33			p Units	1	B2K0218	11/02/2022	11/03/2022	
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Table 15 metals by EPA 6020B

Arsenic	1.24		0.0850	mg/kg	10	B2K0129	11/01/2022	11/03/2022	
Barium	23.4		8.50	"	"	"	"	"	
Cadmium	ND		0.0850	"	"	"	"	"	U
Copper	ND		8.50	"	"	"	"	"	U
Lead	ND		8.50	"	"	"	"	"	U
Nickel	ND		8.50	"	"	"	"	"	U
Selenium	0.104		0.0850	"	"	"	"	"	

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

W -BG04 10
11/1/2022 1:41:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y211027-10 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.0989	mg/L	1	B2K0211	11/02/2022	11/03/2022	U
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p in Soil by 045D

p	8.30			p Units	1	B2K0218	11/02/2022	11/03/2022	
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Table 15 metals by EPA 6020B

Arsenic	1.86		0.0922	mg/kg	10	B2K0129	11/01/2022	11/03/2022	
Barium	20.		9.22	"	"	"	"	"	
Cadmium	0.133		0.0922	"	"	"	"	"	
Copper	ND		9.22	"	"	"	"	"	U
Lead	ND		9.22	"	"	"	"	"	U
Nickel	ND		9.22	"	"	"	"	"	U
Selenium	0.14		0.0922	"	"	"	"	"	

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B2K0124 - EPA 3580										
Blank (B2K0124-BLK1)										
					Prepared: 11/01/2022 Analyzed: 11/01/2022					
Diesel C10-C28	ND	25.0	mg/kg							U
Residual Range Organics C28-C40	ND	100	"							U
Surrogate: o-Terphenyl	23		"	24.9		92.6	50-150			

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 - Strong P 28-2

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 B2K0124 - EPA 3580

LCS (B2K0124-BS1)

Prepared: 11/01/2022 Analyzed: 11/01/2022

Diesel C10-C28	1060	50.0	mg/kg	1000		106	70-130			
Residual Range Organics C28-C40	849	200	"	1000		84.9	70-130			
Surrogate: o-Terphenyl	49		"	49.8		99.4	50-150			

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B2K0124 - EPA 3580

Matrix Spike (B2K0124-MS1)	Source: Y211013-01			Prepared: 11/01/2022 Analyzed: 11/01/2022						
Diesel C10-C28	956	50.0	mg/kg	1000	ND	95.6	70-130			
Residual Range Organics C28-C40	758	200	"	1000	ND	75.8	70-130			
Surrogate: o-Terphenyl	45		"	49.8		90.7	50-150			

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B2K0124 - EPA 3580

Matrix Spike Dup (B2K0124-MSD1)	Source: Y211013-01			Prepared: 11/01/2022 Analyzed: 11/01/2022						
Diesel C10-C28	992	50.0	mg/kg	1000	ND	99.2	70-130	3.66	35	
Residual Range Organics C28-C40	815	200	"	1000	ND	81.5	70-130	7.28	35	
<i>Surrogate: o-Terphenyl</i>	43		"	49.8		86.3	50-150			

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B2K0132 - EPA 5030 (soil)

Blank (B2K0132-BLK1)

Prepared: 11/01/2022 Analyzed: 11/02/2022

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	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125	96.2		70-130			
Surrogate: Toluene-d8	0.13		"	0.125	100		70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125	101		70-130			

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B2K0132 - EPA 5030 (soil)

LCS (B2K0132-BS1)

Prepared: 11/01/2022 Analyzed: 11/02/2022

1,2,4-Trimethylbenzene	0.0931	0.00200	mg/kg	0.100		93.1	70-130			
1,3,5-Trimethylbenzene	0.0943	0.00200	"	0.100		94.3	70-130			
Benzene	0.0884	0.00200	"	0.100		88.4	70-130			
Ethylbenzene	0.0881	0.00200	"	0.100		88.1	70-130			
Naphthalene	0.0876	0.00380	"	0.100		87.6	70-130			
Toluene	0.0899	0.00200	"	0.100		89.9	70-130			
o-Xylene	0.0898	0.00200	"	0.100		89.8	70-130			
m,p-Xylene	0.181	0.00400	"	0.200		90.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		99.6	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.1	70-130			

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B2K0132 - EPA 5030 (soil)

Matrix Spike (B2K0132-MS1)	Source: Y211013-01			Prepared: 11/01/2022 Analyzed: 11/02/2022						
1,2,4-Trimethylbenzene	0.112	0.00200	mg/kg	0.100	ND	112	70-130			
1,3,5-Trimethylbenzene	0.115	0.00200	"	0.100	ND	115	70-130			
Benzene	0.101	0.00200	"	0.100	ND	101	70-130			
Ethylbenzene	0.109	0.00200	"	0.100	ND	109	70-130			
Naphthalene	0.0827	0.00380	"	0.100	ND	82.7	70-130			
Toluene	0.104	0.00200	"	0.100	ND	104	70-130			
o-Xylene	0.107	0.00200	"	0.100	ND	107	70-130			
m,p-Xylene	0.221	0.00400	"	0.200	ND	110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		88.5	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		104	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.6	70-130			

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 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B2K0132 - EPA 5030 (soil)

Matrix Spike Dup (B2K0132-MSD1)	Source: Y211013-01			Prepared: 11/01/2022 Analyzed: 11/02/2022						
1,2,4-Trimethylbenzene	0.109	0.00200	mg/kg	0.100	ND	109	70-130	2.99	20	
1,3,5-Trimethylbenzene	0.110	0.00200	"	0.100	ND	110	70-130	4.31	20	
Benzene	0.0995	0.00200	"	0.100	ND	99.5	70-130	1.14	20	
Ethylbenzene	0.104	0.00200	"	0.100	ND	104	70-130	4.25	20	
Naphthalene	0.0892	0.00380	"	0.100	ND	89.2	70-130	7.59	20	
Toluene	0.102	0.00200	"	0.100	ND	102	70-130	1.93	20	
o-Xylene	0.103	0.00200	"	0.100	ND	103	70-130	3.69	20	
m,p-Xylene	0.212	0.00400	"	0.200	ND	106	70-130	3.81	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		92.6	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.6	70-130			

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B2K012 - EPA 3050B

Blank (B2K012 -BLK1)

Prepared: 11/01/2022 Analyzed: 11/03/2022

Arsenic	ND	0.000100	mg/kg							U
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LCS (B2K012 -BS1)

Prepared: 11/01/2022 Analyzed: 11/03/2022

Arsenic	0.0489	0.000100	mg/kg	0.0500		97.9	80-120			
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Matrix Spike (B2K012 -MS1)

Source: Y211026-01

Prepared: 11/01/2022 Analyzed: 11/03/2022

Arsenic	6.09	0.0987	mg/kg	4.94	1.94	84.1	75-125			
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Matrix Spike Dup (B2K012 -MSD1)

Source: Y211026-01

Prepared: 11/01/2022 Analyzed: 11/03/2022

Arsenic	6.15	0.0925	mg/kg	4.62	1.94	91.1	75-125	0.932	20	
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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

Classical Chemistry Parameters - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B2K0211 - DTPA Sorbitol Preparation										
Blank (B2K0211-BLK1)					Prepared: 11/02/2022 Analyzed: 11/03/2022					
Boron	ND	0.100	mg/L							U
Duplicate (B2K0211-D P1)					Source: Y211027-01 Prepared: 11/02/2022 Analyzed: 11/03/2022					
Boron	0.783	0.100	mg/L		0.861			9.45	50	

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B2K0218 - Saturated Paste Metals

Duplicate (B2K0218-D P1)

Source: Y211020-01

Prepared: 11/02/2022 Analyzed: 11/03/2022

p	8.19		p Units		8.25			0.730	25	
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 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

PA 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 L647051 - 3550B

MSD (L 86388-MSD-L647051)		Source: 86388			Prepared: 11/04/2022 Analyzed: 11/07/2022					
Naphthalene	0.0832	0.00201	mg/Kg	0.166	0.00145	50.1	30-130	11.7	30	
2-Methylnaphthalene	0.0877	0.00201	"	0.166	0.00194	52.8	30-130	12.3	30	
1-Methylnaphthalene	0.0889	0.00201	"	0.166	0.00109	53.5	30-130	13.8	30	
Surrogate: 2- luorobiphenyl	51.8		"	0.332	161	51.8	33-115			
Surrogate: itrobenzene-d5	50		"	0.332	143	50	29-110			
Surrogate: 4-Terphenyl-d14	46.3		"	0.332	182	46.3	33-122			

MS (L 86388-MS-L647051)		Source: 86388			Prepared: 11/04/2022 Analyzed: 11/07/2022					
Naphthalene	0.074	0.00201	mg/Kg	0.164	0.00145	45.1	30-130			
1-Methylnaphthalene	0.0774	0.00201	"	0.164	0.00109	47.1	30-130			
2-Methylnaphthalene	0.0775	0.00201	"	0.164	0.00194	47.2	30-130			
Surrogate: 4-Terphenyl-d14	71.6		"	0.328	182	71.6	33-122			
Surrogate: 2- luorobiphenyl	45.4		"	0.328	161	45.4	33-115			
Surrogate: itrobenzene-d5	40.8		"	0.328	143	40.8	29-110			

LCS (LCS-L647051)		Prepared: 11/04/2022 Analyzed: 11/07/2022								
Naphthalene	0.0857	0.00201	mg/Kg	0.167		51.3	30-130			
2-Methylnaphthalene	0.0874	0.00201	"	0.167		52.3	30-130			
1-Methylnaphthalene	0.0882	0.00201	"	0.167		52.8	30-130			
Surrogate: 4-Terphenyl-d14	63		"	0.333		63	33-122			
Surrogate: itrobenzene-d5	48.6		"	0.333		48.6	29-110			
Surrogate: 2- luorobiphenyl	53.7		"	0.333		53.7	33-115			

LRB (LRB-L647051)		Prepared: 11/04/2022 Analyzed: 11/07/2022								
Naphthalene	ND	0.00201	mg/Kg			-				
1-Methylnaphthalene	ND	0.00201	"			-				
2-Methylnaphthalene	ND	0.00201	"			-				
Surrogate: itrobenzene-d5	48		"	0.333		48	29-110			

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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

Dan Coloccia
Project Number: [none]
Project: KMG - Strong P 28-2

PA 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 L647051 - 3550B

LRB (LRB-L647051)

Prepared: 11/04/2022 Analyzed: 11/07/2022

Surrogate: 2- luorobiphenyl	53.4		mg g	0.333		53.4	33-115			
Surrogate: 4-Terphenyl-d14	58.2		"	0.333		58.2	33-122			

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 - Strong P 28-2

PA 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 L647055 - 3550B

MSD (L 86417-MSD-L647055)		Source: 86417			Prepared: 11/04/2022 Analyzed: 11/07/2022					
Naphthalene	0.0866	0.00201	mg/Kg	0.165	0.00145	52.4	30-130	18.9	30	
2-Methylnaphthalene	0.0852	0.00201	"	0.165	0.00194	51.6	30-130	14	30	
1-Methylnaphthalene	0.0847	0.00201	"	0.165	0.00109	51.3	30-130	13.3	30	
Surrogate: 2- luorobiphenyl	44.8		"	0.33	166	44.8	33-115			
Surrogate: itrobenzene-d5	41.8		"	0.33	137	41.8	29-110			
Surrogate: 4-Terphenyl-d14	63.9		"	0.33	199	63.9	33-122			

MS (L 86417-MS-L647055)		Source: 86417			Prepared: 11/04/2022 Analyzed: 11/07/2022					
2-Methylnaphthalene	0.074	0.00201	mg/Kg	0.166	0.00194	44.5	30-130			
Naphthalene	0.0716	0.00201	"	0.166	0.00145	43.1	30-130			
1-Methylnaphthalene	0.0741	0.00201	"	0.166	0.00109	44.6	30-130			
Surrogate: 4-Terphenyl-d14	52.2		"	0.331	199	52.2	33-122			
Surrogate: itrobenzene-d5	36.8		"	0.331	137	36.8	29-110			
Surrogate: 2- luorobiphenyl	41.9		"	0.331	166	41.9	33-115			

LCS (LCS-L647055)		Prepared: 11/04/2022 Analyzed: 11/07/2022								
1-Methylnaphthalene	0.0885	0.00201	mg/Kg	0.167		52.9	30-130			
Naphthalene	0.0842	0.00201	"	0.167		50.4	30-130			
2-Methylnaphthalene	0.0894	0.00201	"	0.167		53.5	30-130			
Surrogate: itrobenzene-d5	42.9		"	0.333		42.9	29-110			
Surrogate: 2- luorobiphenyl	58.5		"	0.333		58.5	33-115			
Surrogate: 4-Terphenyl-d14	65.7		"	0.333		65.7	33-122			

LRB (LRB-L647055)		Prepared: 11/04/2022 Analyzed: 11/07/2022								
1-Methylnaphthalene	ND	0.00201	mg/Kg			-				
2-Methylnaphthalene	ND	0.00201	"			-				
Naphthalene	ND	0.00201	"			-				
Surrogate: itrobenzene-d5	48.3		"	0.333		48.3	29-110			

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

PA 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 L647055 - 3550B

LRB (LRB-L647055)

Prepared: 11/04/2022 Analyzed: 11/07/2022

Surrogate: 2- Iuorobiphenyl	40.8		mg g	0.333		40.8	33-115			
Surrogate: 4-Terphenyl-d14	66		"	0.333		66	33-122			

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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 - Strong P 28-2

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.

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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.



November 02, 2022

Eagle Environmental Consulting, Inc.

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - Strong P 28-2

Project Number - [none]

Attached are your analytical results for KMG - Strong P 28-2 received by Origins Laboratory, Inc. November 01, 2022. This project is associated with Origins project number Y211028-01.

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: [none]
Project: KMG - Strong P 28-2

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GW-01	Y211028-01	Water	November 1, 2022 12:05	11/01/2022 15:05

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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

Sample Receipt Checklist

Origins Work Order: 4211028 Client: Eagle Environmental
 Client Project ID: Strong P 28-2

Checklist Completed by: JSM/OE Shipped Via: FUP
(UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Date/time completed: 1/10/22 Airbill #: n/a

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

Cooler Number/Temperature: 1 / 8.0-c / _____ °c / _____ °c / _____ °c

Thermometer ID: 11004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?		X		
Is there ice present (document if blue ice is used)		X		
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		X		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		X		
Were all samples received intact ⁽¹⁾ ?	X			
Was adequate sample volume provided ⁽¹⁾ ?	X			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		X		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	X			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	X			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	X			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	X			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.		X		
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, ZnAs+NaOH)	X			not checked
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) 1/10/2022
Date/Time Reviewed

Origins Laboratory, Inc.

Jefe Pellegrini

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

GW-01

11/1/2022 12:05:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y211028-01 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	12.2	2.00	ug/L	1	B2K0126	JSM	11/01/2022	11/02/2022	
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	JSM	"	"	U
Benzene	ND	1.00	"	"	"	JSM	"	"	U
Ethylbenzene	ND	1.00	"	"	"	JSM	"	"	U
Naphthalene	ND	2.00	"	"	"	JSM	"	"	U
Toluene	2.17	1.00	"	"	"	JSM	"	"	
Xylenes, total	5.17	1.00	"	"	"	JSM	"	"	

Surrogate: 1,2-Dichloroethane-d4	103 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	98.5 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	90.9 %	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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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

Batch B2K0126 - EPA 5030B (Water)

Blank (B2K0126-BLK1)

Prepared: 11/01/2022 Analyzed: 11/01/2022

1,2,4-Trimethylbenzene	ND	2.00	ug/L							U
1,3,5-Trimethylbenzene	ND	2.00	"							U
Benzene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Naphthalene	ND	2.00	"							U
Toluene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	64		"	62.5	103		70-130			
Surrogate: Toluene-d8	59		"	62.5	94.1		70-130			
Surrogate: 4-Bromofluorobenzene	59		"	62.5	94.4		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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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

Batch B2K0126 - EPA 5030B (Water)

LCS (B2K0126-BS1)

Prepared: 11/01/2022 Analyzed: 11/01/2022

1,2,4-Trimethylbenzene	49.2	2.00	ug/L	50.0		98.4	70-130			
1,3,5-Trimethylbenzene	50.3	2.00	"	50.0		101	70-130			
Benzene	42.7	1.00	"	50.0		85.4	70-130			
Ethylbenzene	41.4	1.00	"	50.0		82.7	70-130			
m,p-Xylene	94.4	2.00	"	100		94.4	70-130			
Naphthalene	45.2	2.00	"	50.0		90.3	70-130			
o-Xylene	43.4	1.00	"	50.0		86.8	70-130			
Toluene	47.3	1.00	"	50.0		94.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		97.8	70-130			
Surrogate: Toluene-d8	64		"	62.5		103	70-130			
Surrogate: 4-Bromofluorobenzene	57		"	62.5		90.8	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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B2K0126 - EPA 5030B (Water)

Matrix Spike (B2K0126-MS1)	Source: Y211007-01			Prepared: 11/01/2022 Analyzed: 11/01/2022						
1,2,4-Trimethylbenzene	52.4	2.00	ug/L	50.0	ND	105	70-130			
1,3,5-Trimethylbenzene	54.3	2.00	"	50.0	ND	109	70-130			
Benzene	45.1	1.00	"	50.0	ND	90.1	70-130			
Ethylbenzene	41.7	1.00	"	50.0	ND	83.4	70-130			
m,p-Xylene	97.2	2.00	"	100	ND	97.2	70-130			
Naphthalene	40.5	2.00	"	50.0	ND	81.0	70-130			
o-Xylene	44.3	1.00	"	50.0	ND	88.6	70-130			
Toluene	49.5	1.00	"	50.0	ND	99.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		100	70-130			
Surrogate: Toluene-d8	68		"	62.5		108	70-130			
Surrogate: 4-Bromofluorobenzene	55		"	62.5		88.7	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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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

Batch B2K0126 - EPA 5030B (Water)

Matrix Spike Dup (B2K0126-MSD1)	Source: Y211007-01			Prepared: 11/01/2022 Analyzed: 11/01/2022						
1,2,4-Trimethylbenzene	51.5	2.00	ug/L	50.0	ND	103	70-130	1.73	20	
1,3,5-Trimethylbenzene	51.4	2.00	"	50.0	ND	103	70-130	5.54	20	
Benzene	42.7	1.00	"	50.0	ND	85.4	70-130	5.35	20	
Ethylbenzene	41.7	1.00	"	50.0	ND	83.4	70-130	0.0480	20	
m,p-Xylene	94.0	2.00	"	100	ND	94.0	70-130	3.37	20	
Naphthalene	45.4	2.00	"	50.0	ND	90.8	70-130	11.5	20	
o-Xylene	42.8	1.00	"	50.0	ND	85.5	70-130	3.58	20	
Toluene	47.8	1.00	"	50.0	ND	95.6	70-130	3.54	20	
Surrogate: 1,2-Dichloroethane-d4	59		"	62.5		95.1	70-130			
Surrogate: Toluene-d8	65		"	62.5		104	70-130			
Surrogate: 4-Bromofluorobenzene	53		"	62.5		84.8	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, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Strong P 28-2

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.

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.



April 01, 2024

Eagle Environmental Consulting, LLC

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - Strong P 28-2

Project Number - [none]

Attached are your analytical results for KMG - Strong P 28-2 received by Origins Laboratory, Inc. March 18, 2024. This project is associated with Origins project number Y403470-01.

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 - Strong P 28-2

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-BG05@6'	Y403470-01	Soil	March 18, 2024 8:45	03/18/2024 16:15
WH-BG05@8'	Y403470-02	Soil	March 18, 2024 8:50	03/18/2024 16:15
WH-BG06@6'	Y403470-03	Soil	March 18, 2024 8:55	03/18/2024 16:15
WH-BG06@8'	Y403470-04	Soil	March 18, 2024 9:00	03/18/2024 16:15
WH-BG07@6'	Y403470-05	Soil	March 18, 2024 9:05	03/18/2024 16:15
WH-BG07@8'	Y403470-06	Soil	March 18, 2024 9:10	03/18/2024 16:15
WH-BG08@6'	Y403470-07	Soil	March 18, 2024 9:15	03/18/2024 16:15

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 - Strong P 28-2

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

ORIGINS
LABORATORY, INC

440344470 www.originslaboratory.com

Impacted

page 1 of 1

Client: Eagle Environmental (XX)
 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: Strong P 28-2
 Project Number: -
 Samples Collected By: CS

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative			Matrix		Other	Analysis				Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater		Soil	Air Summa Canister #	Arsenic	Barium	
WH-BG0506'	3/18/24	0845	2	X						X	X	X	X	
WH-BG0508'		0850	1							X	X	X	X	
WH-BG0606'		0855	1							X	X	X	X	
WH-BG0608'		0900	1							X	X	X	X	
WH-BG0706'		0905	1							X	X	X	X	
WH-BG0708'		0910	1							X	X	X	X	
WH-BG0806'		0915	1							X	X	X	X	

Relinquished By: Chris Bink Date: 3/18/24 Time: 1015
 Received By: DB Date: 3/18/24 Time: 1015

Temp Received: 4 Date Results Needed

Turnaround Time:
 48 Hr
 Some Day
 24 Hr
 72 Hr
 Standard

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 - Strong P 28-2

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4403470 Client: Eagle
 Checklist Completed by: JAT/ELH Client Project ID: Strong P 28-2
 Date/time completed: 3/18/14 Shipped Via: TUP
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Airbill #: N/A
 Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____
 Cooler Number/Temperature: 1,4 °C / _____ °C / _____ °C (Describe) _____ °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 HNO3, HCL, H2SO4) / (pH >10 for samples preserved with NaAsO2+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.

Reviewed by (Project Manager) [Signature] Date/Time Reviewed 3/18/14

Origins Laboratory, Inc.

[Signature]

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 - Strong P 28-2

WH-BG05@6'
3/18/2024 8:45:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y403470-01 (Soil)

Table 915 metals by EPA 6020B

Arsenic	2.49	0.266	mg/kg	10	B4C1824	HJD	03/18/2024	03/27/2024	
Barium	74.1	9.18	"	"	"	HJD	"	"	
Lead	7.06	0.918	"	"	"	HJD	"	"	
Selenium	0.912	0.239	"	"	"	HJD	"	"	

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 - Strong P 28-2

WH-BG05@8'

3/18/2024 8:50:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

Origins Laboratory, Inc.
Y403470-02 (Soil)

Table 915 metals by EPA 6020B

Arsenic	2.60	0.255	mg/kg	10	B4C1824	HJD	03/18/2024	03/27/2024	
Barium	50.0	8.80	"	"	"	HJD	"	"	
Lead	5.32	0.880	"	"	"	HJD	"	"	
Selenium	1.26	0.229	"	"	"	HJD	"	"	

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 - Strong P 28-2

WH-BG06@6'

3/18/2024 8:55:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

Origins Laboratory, Inc.
Y403470-03 (Soil)

Table 915 metals by EPA 6020B

Arsenic	2.41	0.267	mg/kg	10	B4C1824	HJD	03/18/2024	03/27/2024	
Barium	104	9.19	"	"	"	HJD	"	"	
Lead	5.55	0.919	"	"	"	HJD	"	"	
Selenium	0.471	0.239	"	"	"	HJD	"	"	

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 - Strong P 28-2

WH-BG06@8'

3/18/2024 9:00:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

Origins Laboratory, Inc.
Y403470-04 (Soil)

Table 915 metals by EPA 6020B

Arsenic	3.20	0.243	mg/kg	10	B4C1824	HJD	03/18/2024	03/27/2024	
Barium	85.9	8.39	"	"	"	HJD	"	"	
Lead	6.56	0.839	"	"	"	HJD	"	"	
Selenium	3.16	0.218	"	"	"	HJD	"	"	

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 - Strong P 28-2

WH-BG07@6'

3/18/2024 9:05:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

Origins Laboratory, Inc.
Y403470-05 (Soil)

Table 915 metals by EPA 6020B

Arsenic	1.94	0.264	mg/kg	10	B4C1824	HJD	03/18/2024	03/27/2024	
Barium	47.5	9.10	"	"	"	HJD	"	"	
Lead	5.70	0.910	"	"	"	HJD	"	"	
Selenium	0.433	0.236	"	"	"	HJD	"	"	

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 - Strong P 28-2

WH-BG07@8'

3/18/2024 9:10:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y403470-06 (Soil)

Table 915 metals by EPA 6020B

Arsenic	4.64	0.266	mg/kg	10	B4C1824	HJD	03/18/2024	03/27/2024	
Barium	95.8	9.18	"	"	"	HJD	"	"	
Lead	8.56	0.918	"	"	"	HJD	"	"	
Selenium	3.00	0.239	"	"	"	HJD	"	"	

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 - Strong P 28-2

WH-BG08@6'

3/18/2024 9:15:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y403470-07 (Soil)

Table 915 metals by EPA 6020B

Arsenic	2.37	0.270	mg/kg	10	B4C1824	HJD	03/18/2024	03/27/2024	
Barium	64.4	9.30	"	"	"	HJD	"	"	
Lead	9.48	0.930	"	"	"	HJD	"	"	
Selenium	0.407	0.242	"	"	"	HJD	"	"	

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 - Strong P 28-2

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
Batch B4C1824 - EPA 3050B										
Blank (B4C1824-BLK1)										
					Prepared: 03/18/2024 Analyzed: 03/27/2024					
Arsenic	ND	0.290	mg/kg							
Barium	ND	10.0	"							
Lead	ND	1.00	"							
Selenium	ND	0.260	"							
LCS (B4C1824-BS1)										
					Prepared: 03/18/2024 Analyzed: 03/27/2024					
Arsenic	5.03	0.290	mg/kg	5.00		101	80-120			
Barium	490	10.0	"	500		98.0	80-120			
Lead	4.85	1.00	"	5.00		96.9	80-120			
Selenium	10.5	0.260	"	9.50		111	80-120			
Matrix Spike (B4C1824-MS1)										
			Source: Y403457-01			Prepared: 03/18/2024 Analyzed: 03/27/2024				
Arsenic	11.5	0.259	mg/kg	4.47	5.03	145	75-125			QM-07
Barium	583	8.94	"	447	127	102	75-125			
Lead	12.9	0.894	"	4.47	8.47	98.7	75-125			
Selenium	8.88	0.232	"	8.49	0.428	99.5	75-125			
Matrix Spike Dup (B4C1824-MSD1)										
			Source: Y403457-01			Prepared: 03/18/2024 Analyzed: 03/27/2024				
Arsenic	9.98	0.286	mg/kg	4.94	5.03	100	75-125	14.2	20	
Barium	631	9.88	"	494	127	102	75-125	7.90	20	
Lead	13.3	0.988	"	4.94	8.47	98.4	75-125	3.43	20	
Selenium	10.2	0.257	"	9.38	0.428	105	75-125	14.2	20	

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 - Strong P 28-2

Notes and Definitions

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

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

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.



May 14, 2024

Eagle Environmental Consulting, LLC

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - Strong P 28-2

Project Number - [none]

Attached are your analytical results for KMG - Strong P 28-2 received by Origins Laboratory, Inc. May 02, 2024. This project is associated with Origins project number Y405068-01.

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 - Strong P 28-2

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-N04@6'	Y405068-01	Soil	May 2, 2024 13:16	05/02/2024 14:35
WH-S04@6'	Y405068-02	Soil	May 2, 2024 13:18	05/02/2024 14:35
WH-W03@6'	Y405068-03	Soil	May 2, 2024 13:20	05/02/2024 14:35

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 - Strong P 28-2

ORIGINS

ORIGINS WORK ORDER #
4405006

Page 1 of 1

LABORATORY LLC

Client: Eagle Environmental (ENV)

Project Manager: D Coloccia

Key:

Address: 8000 W 44th Ave
 Wheat Ridge CO 80033

Project Name: Strong P 28-2

W = Water
 GW = Groundwater

Telephone Number: 303-433-0474

Collected By: CB

SW = Surface Water
 WW = Waste Water

Email Address: dcoloccia@eagle-enviro.com

Invoice/Billing Info:

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
							TMBs	TPH	Boron	PH	PAHs *	Metals *	
1	WH-NDA@6'	5/2/24	13:16	3	S	UNP	X	X	X	X	X	X	All PAHs except
2	WH-SO4@6'		13:19				X	X	X	X	X	X	Arylene benzidine PAHs
3	WH-WO3@6'		13:10				X	X	X	X	X	X	benzo (a) flu, dibenz(a,h) fluoranthene
4													benzo (a) flu, dibenz(a,h) fluoranthene
5													benzo (1,2,3)
6													
7													
8													All metals except lead, silver, zinc, chromium VI)
9													
10													

Relinquished By: Wm. Bynon Date: 5/2/24 Time: 14:35 Received By: SA Date: 5/2/24 Time: 14:35

Temp Received: 9.8 Received On Ice? Yes No

Turnaround Time: SAME DAY 24 Hr 48 Hr 72 Hr

Standard Standard

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 - Strong P 28-2

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4405068

Client: Eagle

Client Project ID: Strong P 28-2

Checklist Completed by: WT/SA

Shipped Via: TUP

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

Date/time completed: 5/02/12

Airbill #: N/A

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

Water

Other:

(Describe)

Cooler Number/Temperature: 1, 9.8 °C

Thermometer ID: 2005

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"/>		<u>SD</u>
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]

5/02/12
Date/Time Reviewed

Origins Laboratory, Inc.

[Signature]

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 - Strong P 28-2

WH-N04@6'
5/2/2024 1:16:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405068-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.261	0.100	mg/L	1	B4E0308	ACC	05/03/2024	05/07/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4E0228	ADM	05/02/2024	05/02/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ADM	"	"	U

Surrogate: o-Terphenyl	57.6 %	50-150			"	"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4E0229	HKS	05/02/2024	05/03/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HKS	"	"	U

Surrogate: 1,2-Dichloroethane-d4	103 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	96.9 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	106 %	70-130			"	"	"	"	

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4E0226	Windo	05/02/2024	05/02/2024	U
2-Methylnaphthalene	ND	0.002	"	"	"	Windo	"	"	U
Acenaphthene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	Windo	"	"	U

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 - Strong P 28-2

WH-N04@6'

5/2/2024 1:16:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405068-01 (Soil)

PAH by EPA 8270E

Benzo (a) pyrene	ND	0.020	mg/kg	1	B4E0226	Windo	05/02/2024	05/02/2024	U
Chrysene	ND	0.020	"	"	"	Windo	"	"	U
Fluorene	ND	0.020	"	"	"	Windo	"	"	U
Naphthalene	0.030	0.002	"	"	"	Windo	"	"	
Pyrene	ND	0.020	"	"	"	Windo	"	"	U

Surrogate: Fluorene-d10	101 %	60-130			"	"	"	"	
Surrogate: Anthracene-d10	96.1 %	60-130			"	"	"	"	
Surrogate: Pyrene-d10	118 %	60-130			"	"	"	"	
Surrogate: Benzo (a) pyrene-d12	102 %	60-130			"	"	"	"	

pH in Soil by 9045D

pH	8.75		pH Units	1	B4E0822	EAL	05/08/2024	05/10/2024	
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Table 915 metals by EPA 6020B

Arsenic	2.89	0.279	mg/kg	10	B4E0231	HJD	05/02/2024	05/03/2024	
Barium	95.9	9.64	"	"	"	HJD	"	"	
Cadmium	ND	0.0964	"	"	"	HJD	"	"	
Copper	ND	9.64	"	"	"	HJD	"	"	
Nickel	6.11	0.964	"	"	"	HJD	"	"	
Selenium	1.10	0.251	"	"	"	HJD	"	"	

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 - Strong P 28-2

WH-S04@6'
5/2/2024 1:18:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405068-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.381	0.101	mg/L	1	B4E0308	ACC	05/03/2024	05/07/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4E0228	ADM	05/02/2024	05/02/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ADM	"	"	U

Surrogate: *o*-Terphenyl 64.9 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4E0229	HKS	05/02/2024	05/03/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HKS	"	"	U

Surrogate: 1,2-Dichloroethane-d4 103 % 70-130 " " "
 Surrogate: Toluene-d8 97.0 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 107 % 70-130 " " "

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4E0226	Windo	05/02/2024	05/02/2024	U
2-Methylnaphthalene	ND	0.002	"	"	"	Windo	"	"	U
Acenaphthene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	Windo	"	"	U

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 - Strong P 28-2

WH-S04@6'

5/2/2024 1:18:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405068-02 (Soil)

PAH by EPA 8270E

Benzo (a) pyrene	ND	0.020	mg/kg	1	B4E0226	Windo	05/02/2024	05/02/2024	U
Chrysene	ND	0.020	"	"	"	Windo	"	"	U
Fluorene	ND	0.020	"	"	"	Windo	"	"	U
Naphthalene	ND	0.002	"	"	"	Windo	"	"	U
Pyrene	ND	0.020	"	"	"	Windo	"	"	U

Surrogate: Fluorene-d10	101 %	60-130			"	"	"	"	
Surrogate: Anthracene-d10	95.6 %	60-130			"	"	"	"	
Surrogate: Pyrene-d10	116 %	60-130			"	"	"	"	
Surrogate: Benzo (a) pyrene-d12	103 %	60-130			"	"	"	"	

pH in Soil by 9045D

pH	8.65		pH Units	1	B4E0822	EAL	05/08/2024	05/10/2024	
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Table 915 metals by EPA 6020B

Arsenic	1.74	0.266	mg/kg	10	B4E0231	HJD	05/02/2024	05/03/2024	
Barium	61.6	9.18	"	"	"	HJD	"	"	
Cadmium	ND	0.0918	"	"	"	HJD	"	"	
Copper	ND	9.18	"	"	"	HJD	"	"	
Nickel	4.87	0.918	"	"	"	HJD	"	"	
Selenium	ND	0.239	"	"	"	HJD	"	"	

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 - Strong P 28-2

WH-W03@6'

5/2/2024 1:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405068-03 (Soil)

Boron (DTPA Sorbitol)

Boron	0.191	0.101	mg/L	1	B4E0309	ACC	05/03/2024	05/07/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4E0228	ADM	05/02/2024	05/02/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ADM	"	"	U

Surrogate: o-Terphenyl	69.6 %	50-150			"	"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4E0229	HKS	05/02/2024	05/03/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HKS	"	"	U

Surrogate: 1,2-Dichloroethane-d4	104 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	96.6 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	105 %	70-130			"	"	"	"	

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4E0226	Windo	05/02/2024	05/02/2024	U
2-Methylnaphthalene	ND	0.002	"	"	"	Windo	"	"	U
Acenaphthene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	Windo	"	"	U

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 - Strong P 28-2

WH-W03@6'

5/2/2024 1:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405068-03 (Soil)

PAH by EPA 8270E

Benzo (a) pyrene	ND	0.020	mg/kg	1	B4E0226	Windo	05/02/2024	05/02/2024	U
Chrysene	ND	0.020	"	"	"	Windo	"	"	U
Fluorene	ND	0.020	"	"	"	Windo	"	"	U
Naphthalene	ND	0.002	"	"	"	Windo	"	"	U
Pyrene	ND	0.020	"	"	"	Windo	"	"	U

Surrogate: Fluorene-d10	99.5 %	60-130			"	"	"	"	
Surrogate: Anthracene-d10	96.2 %	60-130			"	"	"	"	
Surrogate: Pyrene-d10	130 %	60-130			"	"	"	"	
Surrogate: Benzo (a) pyrene-d12	95.5 %	60-130			"	"	"	"	

pH in Soil by 9045D

pH	8.71		pH Units	1	B4E0822	EAL	05/08/2024	05/10/2024	
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Table 915 metals by EPA 6020B

Arsenic	2.17	0.268	mg/kg	10	B4E0231	HJD	05/02/2024	05/03/2024	
Barium	49.6	9.23	"	"	"	HJD	"	"	
Cadmium	ND	0.0923	"	"	"	HJD	"	"	
Copper	ND	9.23	"	"	"	HJD	"	"	
Nickel	6.21	0.923	"	"	"	HJD	"	"	
Selenium	ND	0.240	"	"	"	HJD	"	"	

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 - Strong P 28-2

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 B4E0228 - EPA 3550B										
Blank (B4E0228-BLK1)										
					Prepared: 05/02/2024 Analyzed: 05/02/2024					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	20		"	24.9		78.6	50-150			

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B4E0228 - EPA 3550B

LCS (B4E0228-BS1)

Prepared: 05/02/2024 Analyzed: 05/02/2024

Diesel (C10-C28)	836	50.0	mg/kg	1000		83.6	70-130			
Residual Range Organics (C28-C40)	850	200	"	1000		85.0	70-130			
Surrogate: o-Terphenyl	52		"	49.8		104	50-150			

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B4E0228 - EPA 3550B

Matrix Spike (B4E0228-MS1)	Source: Y405068-01			Prepared: 05/02/2024 Analyzed: 05/02/2024						
Diesel (C10-C28)	829	50.0	mg/kg	1000	ND	82.9	70-130			
Residual Range Organics (C28-C40)	856	200	"	1000	ND	85.6	70-130			
Surrogate: o-Terphenyl	46		"	49.8		92.0	50-150			

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B4E0228 - EPA 3550B

Matrix Spike Dup (B4E0228-MSD1)	Source: Y405068-01		Prepared: 05/02/2024 Analyzed: 05/02/2024							
Diesel (C10-C28)	808	50.0	mg/kg	1000	ND	80.8	70-130	2.53	35	
Residual Range Organics (C28-C40)	845	200	"	1000	ND	84.5	70-130	1.26	35	
Surrogate: o-Terphenyl	50		"	49.8		101	50-150			

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B4E0229 - EPA 5030 (soil)

Blank (B4E0229-BLK1)

Prepared: 05/02/2024 Analyzed: 05/02/2024

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	0.12		"	0.125	99.4		70-130			
Surrogate: Toluene-d8	0.12		"	0.125	97.0		70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125	105		70-130			

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B4E0229 - EPA 5030 (soil)

LCS (B4E0229-BS1)

Prepared: 05/02/2024 Analyzed: 05/02/2024

1,2,4-Trimethylbenzene	0.117	0.00200	mg/kg	0.100		117	70-130			
1,3,5-Trimethylbenzene	0.108	0.00200	"	0.100		108	70-130			
Benzene	0.113	0.00200	"	0.100		113	70-130			
Ethylbenzene	0.115	0.00200	"	0.100		115	70-130			
Naphthalene	0.109	0.00380	"	0.100		109	70-130			
Toluene	0.116	0.00200	"	0.100		116	70-130			
o-Xylene	0.114	0.00200	"	0.100		114	70-130			
m,p-Xylene	0.230	0.00400	"	0.200		115	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		101	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		95.0	70-130			

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B4E0229 - EPA 5030 (soil)

Matrix Spike (B4E0229-MS1)	Source: Y405068-01			Prepared: 05/02/2024 Analyzed: 05/02/2024						
1,2,4-Trimethylbenzene	0.111	0.00200	mg/kg	0.100	ND	111	70-130			
1,3,5-Trimethylbenzene	0.101	0.00200	"	0.100	ND	101	70-130			
Benzene	0.106	0.00200	"	0.100	ND	106	70-130			
Ethylbenzene	0.109	0.00200	"	0.100	ND	109	70-130			
Naphthalene	0.104	0.00380	"	0.100	ND	104	70-130			
Toluene	0.110	0.00200	"	0.100	ND	110	70-130			
o-Xylene	0.108	0.00200	"	0.100	ND	108	70-130			
m,p-Xylene	0.217	0.00400	"	0.200	ND	108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		99.9	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		95.9	70-130			

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B4E0229 - EPA 5030 (soil)

Matrix Spike Dup (B4E0229-MSD1)	Source: Y405068-01			Prepared: 05/02/2024 Analyzed: 05/02/2024						
1,2,4-Trimethylbenzene	0.106	0.00200	mg/kg	0.100	ND	106	70-130	5.04	20	
1,3,5-Trimethylbenzene	0.0956	0.00200	"	0.100	ND	95.6	70-130	5.79	20	
Benzene	0.104	0.00200	"	0.100	ND	104	70-130	2.25	20	
Ethylbenzene	0.105	0.00200	"	0.100	ND	105	70-130	3.99	20	
Naphthalene	0.103	0.00380	"	0.100	ND	103	70-130	0.251	20	
Toluene	0.105	0.00200	"	0.100	ND	105	70-130	4.48	20	
o-Xylene	0.104	0.00200	"	0.100	ND	104	70-130	4.42	20	
m,p-Xylene	0.207	0.00400	"	0.200	ND	104	70-130	4.56	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		103	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		96.6	70-130			

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B4E0231 - EPA 3050B

Blank (B4E0231-BLK1)

Prepared: 05/02/2024 Analyzed: 05/03/2024

Arsenic	ND	0.290	mg/kg							
Barium	ND	10.0	"							
Cadmium	ND	0.100	"							
Copper	ND	10.0	"							
Nickel	ND	1.00	"							
Selenium	ND	0.260	"							

LCS (B4E0231-BS1)

Prepared: 05/02/2024 Analyzed: 05/03/2024

Arsenic	5.13	0.290	mg/kg	5.00		103	80-120			
Barium	509	10.0	"	500		102	80-120			
Cadmium	5.18	0.100	"	5.00		104	80-120			
Copper	47.1	10.0	"	50.0		94.1	80-120			
Nickel	5.10	1.00	"	5.00		102	80-120			
Selenium	9.12	0.260	"	9.50		96.0	80-120			

Matrix Spike (B4E0231-MS1)

Source: Y405068-01

Prepared: 05/02/2024 Analyzed: 05/03/2024

Arsenic	7.73	0.278	mg/kg	4.79	2.89	101	75-125			
Barium	587	9.58	"	479	95.9	102	75-125			
Cadmium	5.17	0.0958	"	4.79	0.0173	108	75-125			
Copper	52.2	9.58	"	47.9	7.76	92.6	75-125			
Nickel	10.5	0.958	"	4.79	6.11	91.6	75-125			
Selenium	9.53	0.249	"	9.10	1.10	92.6	75-125			

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B4E0231 - EPA 3050B

Matrix Spike Dup (B4E0231-MSD1)	Source: Y405068-01			Prepared: 05/02/2024 Analyzed: 05/03/2024						
Arsenic	8.15	0.286	mg/kg	4.93	2.89	107	75-125	5.26	20	
Barium	630	9.85	"	493	95.9	108	75-125	7.06	20	
Cadmium	5.09	0.0985	"	4.93	0.0173	103	75-125	1.63	20	
Copper	56.8	9.85	"	49.3	7.76	99.6	75-125	8.58	20	
Nickel	11.3	0.985	"	4.93	6.11	106	75-125	7.72	20	
Selenium	10.0	0.256	"	9.36	1.10	95.0	75-125	4.79	20	

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 B4E0226 - EPA 3580

Blank (B4E0226-BLK1)

Prepared: 05/02/2024 Analyzed: 05/02/2024

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 (g,h,i) perylene	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
Phenanthrene	ND	0.020	"							U
Pyrene	ND	0.020	"							U
Surrogate: Fluorene-d10	200		ug/kg	200		100	60-130			
Surrogate: Anthracene-d10	190		"	200		95.5	60-130			
Surrogate: Pyrene-d10	240		"	200		118	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		105	60-130			

LCS (B4E0226-BS1)

Prepared: 05/02/2024 Analyzed: 05/02/2024

1-Methylnaphthalene	0.217	0.002	mg/kg	0.200		108	70-130			
2-Methylnaphthalene	0.216	0.002	"	0.200		108	70-130			
Acenaphthene	0.223	0.020	"	0.200		111	70-130			
Anthracene	0.214	0.020	"	0.200		107	70-130			

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 B4E0226 - EPA 3580

LCS (B4E0226-BS1)

Prepared: 05/02/2024 Analyzed: 05/02/2024

Benzo (a) anthracene	0.216	0.005	mg/kg	0.200		108	70-130			
Benzo (a) pyrene	0.226	0.020	"	0.200		113	70-130			
Benzo (b) fluoranthene	0.228	0.020	"	0.200		114	70-130			
Benzo (g,h,i) perylene	0.215	0.020	"	0.200		108	70-130			
Benzo (k) fluoranthene	0.228	0.020	"	0.200		114	70-130			
Chrysene	0.227	0.020	"	0.200		113	70-130			
Dibenz (a,h) anthracene	0.217	0.020	"	0.200		109	70-130			
Fluoranthene	0.207	0.020	"	0.200		103	70-130			
Fluorene	0.225	0.020	"	0.200		113	70-130			
Indeno (1,2,3-cd) pyrene	0.204	0.020	"	0.200		102	70-130			
Naphthalene	0.220	0.002	"	0.200		110	70-130			
Phenanthrene	0.225	0.020	"	0.200		112	70-130			
Pyrene	0.241	0.020	"	0.200		120	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		101	60-130			
Surrogate: Anthracene-d10	190		"	200		95.1	60-130			
Surrogate: Pyrene-d10	220		"	200		109	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		106	60-130			

Matrix Spike (B4E0226-MS1)

Source: Y405068-01

Prepared: 05/02/2024 Analyzed: 05/03/2024

1-Methylnaphthalene	0.215	0.002	mg/kg	0.200	ND	108	70-130			
2-Methylnaphthalene	0.215	0.002	"	0.200	ND	107	70-130			
Acenaphthene	0.220	0.020	"	0.200	ND	110	70-130			
Anthracene	0.213	0.020	"	0.200	ND	106	70-130			
Benzo (a) anthracene	0.216	0.005	"	0.200	ND	108	70-130			
Benzo (a) pyrene	0.220	0.020	"	0.200	ND	110	70-130			
Benzo (b) fluoranthene	0.236	0.020	"	0.200	ND	118	70-130			
Benzo (g,h,i) perylene	0.219	0.020	"	0.200	ND	110	70-130			

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 B4E0226 - EPA 3580

Matrix Spike (B4E0226-MS1)		Source: Y405068-01			Prepared: 05/02/2024 Analyzed: 05/03/2024					
Benzo (k) fluoranthene	0.198	0.020	mg/kg	0.200	ND	98.8	70-130			
Chrysene	0.217	0.020	"	0.200	ND	108	70-130			
Dibenz (a,h) anthracene	0.237	0.020	"	0.200	ND	118	70-130			
Fluoranthene	0.199	0.020	"	0.200	ND	99.7	70-130			
Fluorene	0.225	0.020	"	0.200	ND	112	70-130			
Indeno (1,2,3-cd) pyrene	0.213	0.020	"	0.200	0.002	105	70-130			
Naphthalene	0.220	0.002	"	0.200	0.030	95.1	70-130			
Phenanthrene	0.220	0.020	"	0.200	ND	110	70-130			
Pyrene	0.225	0.020	"	0.200	ND	113	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		101	60-130			
Surrogate: Anthracene-d10	190		"	200		94.8	60-130			
Surrogate: Pyrene-d10	210		"	200		103	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		106	60-130			

Matrix Spike Dup (B4E0226-MSD1)		Source: Y405068-01			Prepared: 05/02/2024 Analyzed: 05/02/2024					
1-Methylnaphthalene	0.216	0.002	mg/kg	0.200	ND	108	70-130	0.415	20	
2-Methylnaphthalene	0.215	0.002	"	0.200	ND	107	70-130	0.137	20	
Acenaphthene	0.221	0.020	"	0.200	ND	110	70-130	0.304	20	
Anthracene	0.228	0.020	"	0.200	ND	114	70-130	6.98	20	
Benzo (a) anthracene	0.216	0.005	"	0.200	ND	108	70-130	0.201	20	
Benzo (a) pyrene	0.227	0.020	"	0.200	ND	113	70-130	2.92	20	
Benzo (b) fluoranthene	0.223	0.020	"	0.200	ND	111	70-130	5.64	20	
Benzo (g,h,i) perylene	0.216	0.020	"	0.200	ND	108	70-130	1.44	20	
Benzo (k) fluoranthene	0.237	0.020	"	0.200	ND	119	70-130	18.2	20	
Chrysene	0.213	0.020	"	0.200	ND	106	70-130	1.81	20	
Dibenz (a,h) anthracene	0.229	0.020	"	0.200	ND	115	70-130	3.19	20	
Fluoranthene	0.193	0.020	"	0.200	ND	96.5	70-130	3.17	20	

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 B4E0226 - EPA 3580

Matrix Spike Dup (B4E0226-MSD1)	Source: Y405068-01			Prepared: 05/02/2024 Analyzed: 05/02/2024						
Fluorene	0.223	0.020	mg/kg	0.200	ND	111	70-130	0.750	20	
Indeno (1,2,3-cd) pyrene	0.217	0.020	"	0.200	0.002	108	70-130	2.15	20	
Naphthalene	0.219	0.002	"	0.200	0.030	94.6	70-130	0.494	20	
Phenanthrene	0.222	0.020	"	0.200	ND	111	70-130	0.794	20	
Pyrene	0.252	0.020	"	0.200	ND	126	70-130	11.2	20	
Surrogate: Fluorene-d10	200		ug/kg	200		100	60-130			
Surrogate: Anthracene-d10	190		"	200		96.2	60-130			
Surrogate: Pyrene-d10	230		"	200		116	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		106	60-130			

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 - Strong P 28-2

Classical Chemistry Parameters - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4E0308 - DTPA Sorbitol Preparation										
Blank (B4E0308-BLK1)					Prepared: 05/03/2024 Analyzed: 05/07/2024					
Boron	ND	0.100	mg/L							
Duplicate (B4E0308-DUP1)		Source: Y405064-01			Prepared: 05/03/2024 Analyzed: 05/07/2024					
Boron	0.166	0.101	mg/L		0.162			2.50	50	
Batch B4E0309 - DTPA Sorbitol Preparation										
Blank (B4E0309-BLK1)					Prepared: 05/03/2024 Analyzed: 05/07/2024					
Boron	ND	0.100	mg/L							
Duplicate (B4E0309-DUP1)		Source: Y405068-03			Prepared: 05/03/2024 Analyzed: 05/07/2024					
Boron	0.191	0.101	mg/L		0.191			0.429	50	

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 - Strong P 28-2

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 B4E0822 - Saturated Paste pH/EC

Duplicate (B4E0822-DUP1)

Source: Y405068-01

Prepared: 05/08/2024 Analyzed: 05/10/2024

pH	8.67		pH Units		8.75			0.918	25	
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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 - Strong P 28-2

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.

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.



May 29, 2024

Eagle Environmental Consulting, LLC

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - Strong P 28-2

Project Number - [none]

Attached are your analytical results for KMG - Strong P 28-2 received by Origins Laboratory, Inc. May 10, 2024. This project is associated with Origins project number Y405353-01.

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 - Strong P 28-2

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-N05@6'	Y405353-01	Soil	May 10, 2024 14:50	05/10/2024 16:30

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 - Strong P 28-2

ORIGINS LABORATORY LLC
 Client: Eagle Environmental (corp)
 Address: 8000 W 44th Ave
 Telephone Number: 303 433 0474
 Email Address: Dan.Coloccia@eagle-environment.com

ORIGINS WORK ORDER # 405553
 Project Manager: D. Coloccia
 Project Name: Strong P 28-2
 Project Number: -
 Collected By: JN
 Invoice/Billing Info: -

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

Page 1 of 1

#	Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix	Preservative	Analysis						Comments
							ZnPF	THRS	TPH	Boron	PAHs	Metals	
1	WH-NDS-PV	5/10/24	1450	3	S	UNP	X	X	X	X	X	X	PAHs EXCPT. (b)(6) & (b)(7)(C)
2													PAHs (b)(6) & (b)(7)(C)
3													PAHs (b)(6) & (b)(7)(C)
4													PAHs (b)(6) & (b)(7)(C)
5													PAHs (b)(6) & (b)(7)(C)
6													PAHs (b)(6) & (b)(7)(C)
7													PAHs (b)(6) & (b)(7)(C)
8													PAHs (b)(6) & (b)(7)(C)
9													PAHs (b)(6) & (b)(7)(C)
10													PAHs (b)(6) & (b)(7)(C)

Relinquished By: [Signature] Date: 5/10/24 Time: 11:30
 Relinquished By: [Signature] Date: 5/10/24 Time: 11:30

Received By: [Signature] Date: 5/10/24 Time: 11:30
 Received By: [Signature] Date: 5/10/24 Time: 11:30

Temp Received: 3.5 Received On Ice? Yes No

Turnaround Time: SAME DAY 24 Hr 48 Hr 72 Hr

Standard: Standard

For Lab Sample Receiving Only:

1725 Elk Place Denver, Co. 80211 | # 303.433.1322 | originslab.com

Origins Laboratory, Inc.
 [Signature]

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 - Strong P 28-2

Origins Laboratory

F-C12207-01-R1
 Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: 1405353

Client: Eagle

Client Project ID: Strong P 28-2

Checklist Completed by: EHO

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

Date/time completed: 5/10/14

Airbill #: N/A

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

Cooler Number/Temperature: 113.5 °C / _____ °C / _____ °C / _____ °C (Describe)

Thermometer ID: 7005

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 ensure 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.

EHO
 Reviewed by (Project Manager)

5/10/14
 Date/Time Reviewed

Origins Laboratory, Inc.

J. Bynon

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 - Strong P 28-2

WH-N05@6'
5/10/2024 2:50:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405353-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.232	0.101	mg/L	1	B4E1311	ACC	05/13/2024	05/14/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4E1041	ZZZ	05/10/2024	05/11/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	104 %	50-150			"	"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4E1046	JSM	05/10/2024	05/10/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4	105 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	99.9 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	99.6 %	70-130			"	"	"	"	

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4E1035	agile	05/10/2024	05/11/2024	U
2-Methylnaphthalene	ND	0.002	"	"	"	agile	"	"	U
Acenaphthene	ND	0.020	"	"	"	agile	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	agile	"	"	U

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 - Strong P 28-2

WH-N05@6'
5/10/2024 2:50:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y405353-01 (Soil)

PAH by EPA 8270E

Benzo (a) pyrene	ND	0.020	mg/kg	1	B4E1035	agile	05/10/2024	05/11/2024	U
Chrysene	ND	0.020	"	"	"	agile	"	"	U
Fluorene	ND	0.020	"	"	"	agile	"	"	U
Naphthalene	ND	0.002	"	"	"	agile	"	"	U
Pyrene	ND	0.020	"	"	"	agile	"	"	U

Surrogate: Fluorene-d10	92.3 %	60-130			"	"	"	"	
Surrogate: Anthracene-d10	97.2 %	60-130			"	"	"	"	
Surrogate: Pyrene-d10	107 %	60-130			"	"	"	"	
Surrogate: Benzo (a) pyrene-d12	98.7 %	60-130			"	"	"	"	

pH in Soil by 9045D

pH	8.20		pH Units	1	B4E2019	EAL	05/20/2024	05/20/2024	
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Table 915 metals by EPA 6020B

Arsenic	5.44	0.274	mg/kg	10	B4E1025	HJD	05/10/2024	05/13/2024	
Barium	72.6	9.45	"	"	"	HJD	"	"	
Cadmium	ND	0.0945	"	"	"	HJD	"	"	
Copper	11.7	9.45	"	"	"	HJD	"	"	
Nickel	8.37	0.945	"	"	"	HJD	"	"	
Selenium	4.53	0.246	"	"	"	HJD	"	"	

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 - Strong P 28-2

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 B4E1041 - EPA 3550B										
Blank (B4E1041-BLK1)										
					Prepared: 05/10/2024 Analyzed: 05/11/2024					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	27		"	24.9		107	50-150			

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 - Strong P 28-2

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 B4E1041 - EPA 3550B

LCS (B4E1041-BS1)

Prepared: 05/10/2024 Analyzed: 05/11/2024

Diesel (C10-C28)	1010	50.0	mg/kg	1000		101	70-130			
Residual Range Organics (C28-C40)	1150	200	"	1000		115	70-130			
Surrogate: o-Terphenyl	54		"	49.8		108	50-150			

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 - Strong P 28-2

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 B4E1041 - EPA 3550B

Matrix Spike (B4E1041-MS1)	Source: Y405349-01			Prepared: 05/10/2024 Analyzed: 05/11/2024						
Diesel (C10-C28)	1130	50.0	mg/kg	1000	ND	113	70-130			
Residual Range Organics (C28-C40)	1310	200	"	1000	ND	131	70-130			QM-07
Surrogate: o-Terphenyl	58		"	49.8		116	50-150			

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 - Strong P 28-2

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 B4E1041 - EPA 3550B

Matrix Spike Dup (B4E1041-MSD1)	Source: Y405349-01			Prepared: 05/10/2024 Analyzed: 05/11/2024						
Diesel (C10-C28)	985	50.0	mg/kg	1000	ND	98.5	70-130	13.9	35	
Residual Range Organics (C28-C40)	1140	200	"	1000	ND	114	70-130	13.9	35	
Surrogate: o-Terphenyl	62		"	49.8		124	50-150			

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 - Strong P 28-2

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 B4E1046 - EPA 5030 (soil)

Blank (B4E1046-BLK1)

Prepared: 05/10/2024 Analyzed: 05/10/2024

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	101		70-130			
Surrogate: Toluene-d8	0.13		"	0.125	103		70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125	96.5		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 - Strong P 28-2

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

Batch B4E1046 - EPA 5030 (soil)

LCS (B4E1046-BS1)

Prepared: 05/10/2024 Analyzed: 05/10/2024

1,2,4-Trimethylbenzene	0.0976	0.00200	mg/kg	0.100		97.6	70-130			
1,3,5-Trimethylbenzene	0.0979	0.00200	"	0.100		97.9	70-130			
Benzene	0.0971	0.00200	"	0.100		97.1	70-130			
Ethylbenzene	0.0972	0.00200	"	0.100		97.2	70-130			
Naphthalene	0.108	0.00380	"	0.100		108	70-130			
Toluene	0.0957	0.00200	"	0.100		95.7	70-130			
o-Xylene	0.102	0.00200	"	0.100		102	70-130			
m,p-Xylene	0.194	0.00400	"	0.200		96.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		100	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	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 - Strong P 28-2

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 B4E1046 - EPA 5030 (soil)

Matrix Spike (B4E1046-MS1)	Source: Y405352-08			Prepared: 05/10/2024 Analyzed: 05/10/2024						
1,2,4-Trimethylbenzene	0.0945	0.00200	mg/kg	0.100	ND	94.5	70-130			
1,3,5-Trimethylbenzene	0.0977	0.00200	"	0.100	ND	97.7	70-130			
Benzene	0.0960	0.00200	"	0.100	ND	96.0	70-130			
Ethylbenzene	0.0930	0.00200	"	0.100	ND	93.0	70-130			
Naphthalene	0.152	0.00380	"	0.100	ND	152	70-130			QM-07
Toluene	0.0989	0.00200	"	0.100	ND	98.9	70-130			
o-Xylene	0.0933	0.00200	"	0.100	ND	93.3	70-130			
m,p-Xylene	0.180	0.00400	"	0.200	ND	89.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		105	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		107	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		95.3	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 - Strong P 28-2

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 B4E1046 - EPA 5030 (soil)

Matrix Spike Dup (B4E1046-MSD1)	Source: Y405352-08			Prepared: 05/10/2024 Analyzed: 05/10/2024						
1,2,4-Trimethylbenzene	0.0945	0.00200	mg/kg	0.100	ND	94.5	70-130	0.0635	20	
1,3,5-Trimethylbenzene	0.0973	0.00200	"	0.100	ND	97.3	70-130	0.390	20	
Benzene	0.0903	0.00200	"	0.100	ND	90.3	70-130	6.12	20	
Ethylbenzene	0.101	0.00200	"	0.100	ND	101	70-130	8.41	20	
Naphthalene	0.116	0.00380	"	0.100	ND	116	70-130	27.1	20	QR-02
Toluene	0.0863	0.00200	"	0.100	ND	86.3	70-130	13.7	20	
o-Xylene	0.0952	0.00200	"	0.100	ND	95.2	70-130	2.06	20	
m,p-Xylene	0.193	0.00400	"	0.200	ND	96.3	70-130	6.85	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		106	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		110	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 - Strong P 28-2

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 B4E1025 - EPA 3050B

Blank (B4E1025-BLK1)

Prepared: 05/10/2024 Analyzed: 05/13/2024

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

LCS (B4E1025-BS1)

Prepared: 05/10/2024 Analyzed: 05/13/2024

Arsenic	5.24	0.290	mg/kg	5.00		105	80-120			
Barium	562	10.0	"	500		112	80-120			
Cadmium	5.36	0.100	"	5.00		107	80-120			
Copper	53.3	10.0	"	50.0		107	80-120			
Lead	5.38	1.00	"	5.00		108	80-120			
Nickel	5.24	1.00	"	5.00		105	80-120			
Selenium	9.85	0.260	"	9.50		104	80-120			
Zinc	52.8	37.0	"	50.0		106	80-120			

Matrix Spike (B4E1025-MS1)

Source: Y405343-03

Prepared: 05/10/2024 Analyzed: 05/13/2024

Arsenic	8.83	0.263	mg/kg	4.53	4.00	107	75-125			
Barium	602	9.06	"	453	108	109	75-125			

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 - Strong P 28-2

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 B4E1025 - EPA 3050B

Matrix Spike (B4E1025-MS1)

Source: Y405343-03

Prepared: 05/10/2024 Analyzed: 05/13/2024

Cadmium	4.84	0.0906	mg/kg	4.53	0.127	104	75-125			
Copper	56.2	9.06	"	45.3	9.01	104	75-125			
Lead	12.3	0.906	"	4.53	7.58	104	75-125			
Nickel	15.2	0.906	"	4.53	10.5	106	75-125			
Selenium	8.89	0.236	"	8.61	0.111	102	75-125			
Zinc	86.0	33.5	"	45.3	37.1	108	75-125			

Matrix Spike Dup (B4E1025-MSD1)

Source: Y405343-03

Prepared: 05/10/2024 Analyzed: 05/13/2024

Arsenic	9.48	0.279	mg/kg	4.81	4.00	114	75-125	7.13	20	
Barium	665	9.61	"	481	108	116	75-125	9.93	20	
Cadmium	5.44	0.0961	"	4.81	0.127	111	75-125	11.6	20	
Copper	62.1	9.61	"	48.1	9.01	110	75-125	9.96	20	
Lead	13.2	0.961	"	4.81	7.58	116	75-125	7.06	20	
Nickel	16.3	0.961	"	4.81	10.5	122	75-125	6.74	20	
Selenium	9.88	0.250	"	9.13	0.111	107	75-125	10.5	20	
Zinc	92.6	35.6	"	48.1	37.1	115	75-125	7.44	20	

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 - Strong P 28-2

EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 B4E1035 - EPA 3580

Blank (B4E1035-BLK1)

Prepared: 05/10/2024 Analyzed: 05/11/2024

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 (g,h,i) perylene	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
Phenanthrene	ND	0.020	"							U
Pyrene	ND	0.020	"							U
Surrogate: Fluorene-d10	200		ug/kg	200		98.8	60-130			
Surrogate: Anthracene-d10	190		"	200		96.3	60-130			
Surrogate: Pyrene-d10	190		"	200		95.6	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		102	60-130			

LCS (B4E1035-BS1)

Prepared: 05/10/2024 Analyzed: 05/11/2024

1-Methylnaphthalene	0.207	0.002	mg/kg	0.200		103	70-130			
2-Methylnaphthalene	0.204	0.002	"	0.200		102	70-130			
Acenaphthene	0.193	0.020	"	0.200		96.3	70-130			
Anthracene	0.195	0.020	"	0.200		97.7	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 - Strong P 28-2

EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 B4E1035 - EPA 3580

LCS (B4E1035-BS1)

Prepared: 05/10/2024 Analyzed: 05/11/2024

Benzo (a) anthracene	0.196	0.005	mg/kg	0.200		98.2	70-130			
Benzo (a) pyrene	0.202	0.020	"	0.200		101	70-130			
Benzo (b) fluoranthene	0.205	0.020	"	0.200		103	70-130			
Benzo (g,h,i) perylene	0.207	0.020	"	0.200		104	70-130			
Benzo (k) fluoranthene	0.209	0.020	"	0.200		104	70-130			
Chrysene	0.193	0.020	"	0.200		96.6	70-130			
Dibenz (a,h) anthracene	0.198	0.020	"	0.200		98.8	70-130			
Fluoranthene	0.208	0.020	"	0.200		104	70-130			
Fluorene	0.203	0.020	"	0.200		101	70-130			
Indeno (1,2,3-cd) pyrene	0.201	0.020	"	0.200		101	70-130			
Naphthalene	0.195	0.002	"	0.200		97.6	70-130			
Phenanthrene	0.191	0.020	"	0.200		95.6	70-130			
Pyrene	0.208	0.020	"	0.200		104	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		100	60-130			
Surrogate: Anthracene-d10	190		"	200		97.4	60-130			
Surrogate: Pyrene-d10	220		"	200		108	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		102	60-130			

Matrix Spike (B4E1035-MS1)

Source: Y405352-01

Prepared: 05/10/2024 Analyzed: 05/11/2024

1-Methylnaphthalene	0.209	0.002	mg/kg	0.200	ND	105	70-130			
2-Methylnaphthalene	0.206	0.002	"	0.200	ND	103	70-130			
Acenaphthene	0.207	0.020	"	0.200	ND	104	70-130			
Anthracene	0.202	0.020	"	0.200	ND	101	70-130			
Benzo (a) anthracene	0.219	0.005	"	0.200	ND	109	70-130			
Benzo (a) pyrene	0.214	0.020	"	0.200	ND	107	70-130			
Benzo (b) fluoranthene	0.208	0.020	"	0.200	0.0006	104	70-130			
Benzo (g,h,i) perylene	0.209	0.020	"	0.200	0.0008	104	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 - Strong P 28-2

EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 B4E1035 - EPA 3580

Matrix Spike (B4E1035-MS1)		Source: Y405352-01			Prepared: 05/10/2024 Analyzed: 05/11/2024					
Benzo (k) fluoranthene	0.201	0.020	mg/kg	0.200	0.002	99.8	70-130			
Chrysene	0.212	0.020	"	0.200	0.0009	106	70-130			
Dibenz (a,h) anthracene	0.212	0.020	"	0.200	ND	106	70-130			
Fluoranthene	0.226	0.020	"	0.200	ND	113	70-130			
Fluorene	0.212	0.020	"	0.200	0.0004	106	70-130			
Indeno (1,2,3-cd) pyrene	0.207	0.020	"	0.200	ND	103	70-130			
Naphthalene	0.209	0.002	"	0.200	ND	105	70-130			
Phenanthrene	0.212	0.020	"	0.200	ND	106	70-130			
Pyrene	0.226	0.020	"	0.200	ND	113	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		101	60-130			
Surrogate: Anthracene-d10	200		"	200		98.6	60-130			
Surrogate: Pyrene-d10	220		"	200		109	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		99.5	60-130			

Matrix Spike Dup (B4E1035-MSD1)		Source: Y405352-01			Prepared: 05/10/2024 Analyzed: 05/11/2024					
1-Methylnaphthalene	0.191	0.002	mg/kg	0.200	ND	95.6	70-130	9.06	20	
2-Methylnaphthalene	0.190	0.002	"	0.200	ND	94.8	70-130	8.30	20	
Acenaphthene	0.200	0.020	"	0.200	ND	99.9	70-130	3.54	20	
Anthracene	0.195	0.020	"	0.200	ND	97.6	70-130	3.54	20	
Benzo (a) anthracene	0.206	0.005	"	0.200	ND	103	70-130	6.06	20	
Benzo (a) pyrene	0.197	0.020	"	0.200	ND	98.4	70-130	8.17	20	
Benzo (b) fluoranthene	0.190	0.020	"	0.200	0.0006	94.8	70-130	9.16	20	
Benzo (g,h,i) perylene	0.204	0.020	"	0.200	0.0008	101	70-130	2.80	20	
Benzo (k) fluoranthene	0.177	0.020	"	0.200	0.002	87.9	70-130	12.6	20	
Chrysene	0.200	0.020	"	0.200	0.0009	99.7	70-130	5.70	20	
Dibenz (a,h) anthracene	0.212	0.020	"	0.200	ND	106	70-130	0.364	20	
Fluoranthene	0.206	0.020	"	0.200	ND	103	70-130	9.39	20	

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 - Strong P 28-2

EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 B4E1035 - EPA 3580

Matrix Spike Dup (B4E1035-MSD1)	Source: Y405352-01			Prepared: 05/10/2024 Analyzed: 05/11/2024						
Fluorene	0.214	0.020	mg/kg	0.200	0.0004	107	70-130	0.837	20	
Indeno (1,2,3-cd) pyrene	0.207	0.020	"	0.200	ND	103	70-130	0.00420	20	
Naphthalene	0.197	0.002	"	0.200	ND	98.3	70-130	6.26	20	
Phenanthrene	0.189	0.020	"	0.200	ND	94.5	70-130	11.6	20	
Pyrene	0.204	0.020	"	0.200	ND	102	70-130	10.7	20	
Surrogate: Fluorene-d10	210		ug/kg	200		103	60-130			
Surrogate: Anthracene-d10	190		"	200		95.7	60-130			
Surrogate: Pyrene-d10	210		"	200		103	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		98.2	60-130			

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 - Strong P 28-2

Classical Chemistry Parameters - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4E1311 - DTPA Sorbitol Preparation										
Blank (B4E1311-BLK1)					Prepared: 05/13/2024 Analyzed: 05/14/2024					
Boron	ND	0.100	mg/L							
Duplicate (B4E1311-DUP1)		Source: Y405352-16			Prepared: 05/13/2024 Analyzed: 05/14/2024					
Boron	1.08	0.0987	mg/L		1.03			4.48	50	

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 - Strong P 28-2

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 B4E2019 - Saturated Paste pH/EC

Duplicate (B4E2019-DUP1)

Source: Y405353-01

Prepared: 05/20/2024 Analyzed: 05/20/2024

pH	8.12		pH Units		8.20			0.980	25	
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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 - Strong P 28-2

Notes and Definitions

U Sample is Non-Detect.

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

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

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

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.



June 26, 2024

Eagle Environmental Consulting, LLC

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - Strong P 28-2

Project Number - [none]

Attached are your analytical results for KMG - Strong P 28-2 received by Origins Laboratory, Inc. June 06, 2024. This project is associated with Origins project number Y406170-01.

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 - Strong P 28-2

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-N06@6'	Y406170-01	Soil	June 6, 2024 11:00	06/06/2024 16:05
WH-N07@6'	Y406170-02	Soil	June 6, 2024 11:02	06/06/2024 16:05
WH-W05@6'	Y406170-03	Soil	June 6, 2024 11:04	06/06/2024 16:05
WH-W04@6'	Y406170-04	Soil	June 6, 2024 11:06	06/06/2024 16:05
WH-S05@6'	Y406170-05	Soil	June 6, 2024 11:08	06/06/2024 16:05
WH-S06@6'	Y406170-06	Soil	June 6, 2024 11:10	06/06/2024 16:05
WH-E03@6'	Y406170-07	Soil	June 6, 2024 13:15	06/06/2024 16:05
WH-BG09@4'	Y406170-08	Soil	June 6, 2024 11:12	06/06/2024 16:05
WH-BG09@8'	Y406170-09	Soil	June 6, 2024 11:14	06/06/2024 16:05
WH-BG10@4'	Y406170-10	Soil	June 6, 2024 11:16	06/06/2024 16:05
WH-BG10@8'	Y406170-11	Soil	June 6, 2024 11:18	06/06/2024 16:05
WH-BG11@4'	Y406170-12	Soil	June 6, 2024 11:20	06/06/2024 16:05
WH-BG11@8'	Y406170-13	Soil	June 6, 2024 11:22	06/06/2024 16:05

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 - Strong P 28-2

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4406170 Client: Eagle
 Checklist Completed by: EAD Client Project ID: Strong P28-2
 Date/time completed: 6/6/12 Shipped Via: HO
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Airbill #: N/A
 Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____
 Cooler Number/Temperature: 1 13 °C 1 °C 1 °C (Describe) °C
 Thermometer ID: 7005

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"/>	<input checked="" type="checkbox"/>		<u>SD</u>
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.

EAD
 Reviewed by (Project Manager)

6/6/12
 Date/Time Reviewed

Origins Laboratory, Inc.

J. Bynon

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 - Strong P 28-2

WH-N06@6'
6/6/2024 11:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406170-01 (Soil)

Boron (DTPA Sorbitol)

Boron	2.45		0.100	mg/L	1	B4F0705	06/07/2024	06/10/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4F0645	06/06/2024	06/06/2024	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	87.7 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4F0647	06/06/2024	06/06/2024	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4	114 %		70-130			"	"	"	
Surrogate: Toluene-d8	97.4 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	104 %		70-130			"	"	"	

PAH by EPA 8270E

1-Methylnaphthalene	ND		0.002	mg/kg	1	B4F0643	06/06/2024	06/08/2024	Ua
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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 - Strong P 28-2

WH-N06@6'
6/6/2024 11:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406170-01 (Soil)

PAH by EPA 8270E

2-Methylnaphthalene	ND		0.002	mg/kg	1	B4F0643	06/06/2024	06/08/2024	Ua
Acenaphthene	ND		0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	Ua
Chrysene	ND		0.020	"	"	"	"	"	Ua
Fluorene	ND		0.020	"	"	"	"	"	Ua
Naphthalene	ND		0.002	"	"	"	"	"	Ua
Pyrene	ND		0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	94.8 %		60-130			"	"	"	
Surrogate: Anthracene-d10	94.5 %		60-130			"	"	"	
Surrogate: Pyrene-d10	95.5 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	111 %		60-130			"	"	"	

pH in Soil by 9045D

pH	8.28			pH Units	1	B4F1318	06/13/2024	06/14/2024	
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Table 915 metals by EPA 6020B

Arsenic	2.84		0.250	mg/kg	10	B4F0650	06/06/2024	06/07/2024	
Barium	336		8.61	"	"	"	"	"	

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 - Strong P 28-2

WH-N06@6'
6/6/2024 11:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406170-01 (Soil)

Table 915 metals by EPA 6020B

Cadmium	0.529		0.0861	mg/kg	10	B4F0650	06/06/2024	06/07/2024	
Copper	ND		8.61	"	"	"	"	"	
Nickel	11.0		0.861	"	"	"	"	"	
Selenium	0.952		0.224	"	"	"	"	"	

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 - Strong P 28-2

WH-N07@6'
6/6/2024 11:02:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406170-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.277		0.0986	mg/L	1	B4F0705	06/07/2024	06/10/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4F0645	06/06/2024	06/06/2024	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	92.6 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4F0647	06/06/2024	06/06/2024	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4	112 %		70-130			"	"	"	
Surrogate: Toluene-d8	98.8 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	104 %		70-130			"	"	"	

PAH by EPA 8270E

1-Methylnaphthalene	ND		0.002	mg/kg	1	B4F0643	06/06/2024	06/08/2024	Ua
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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 - Strong P 28-2

WH-N07@6'
6/6/2024 11:02:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406170-02 (Soil)

PAH by EPA 8270E

2-Methylnaphthalene	ND		0.002	mg/kg	1	B4F0643	06/06/2024	06/08/2024	Ua
Acenaphthene	ND		0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	Ua
Chrysene	ND		0.020	"	"	"	"	"	Ua
Fluorene	ND		0.020	"	"	"	"	"	Ua
Naphthalene	ND		0.002	"	"	"	"	"	Ua
Pyrene	ND		0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	104 %		60-130			"	"	"	
Surrogate: Anthracene-d10	93.9 %		60-130			"	"	"	
Surrogate: Pyrene-d10	110 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	105 %		60-130			"	"	"	

pH in Soil by 9045D

pH	8.67			pH Units	1	B4F1318	06/13/2024	06/14/2024	
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Table 915 metals by EPA 6020B

Arsenic	3.20		0.261	mg/kg	10	B4F0650	06/06/2024	06/07/2024	
Barium	152		8.99	"	"	"	"	"	

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 - Strong P 28-2

WH-N07@6'
6/6/2024 11:02:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406170-02 (Soil)

Table 915 metals by EPA 6020B

Cadmium	0.103	0.0899	mg/kg	10	B4F0650	06/06/2024	06/07/2024
Copper	ND	8.99	"	"	"	"	"
Nickel	6.25	0.899	"	"	"	"	"
Selenium	0.337	0.234	"	"	"	"	"

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 - Strong P 28-2

WH-W05@6'
6/6/2024 11:04:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406170-03 (Soil)

Boron (DTPA Sorbitol)

Boron	0.703		0.0992	mg/L	1	B4F0705	06/07/2024	06/10/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4F0645	06/06/2024	06/06/2024	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

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	B4F0647	06/06/2024	06/06/2024	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4	114 %		70-130			"	"	"	
Surrogate: Toluene-d8	102 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	104 %		70-130			"	"	"	

PAH by EPA 8270E

1-Methylnaphthalene	ND		0.002	mg/kg	1	B4F0643	06/06/2024	06/08/2024	Ua
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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 - Strong P 28-2

WH-W05@6'
6/6/2024 11:04:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406170-03 (Soil)

PAH by EPA 8270E

2-Methylnaphthalene	ND		0.002	mg/kg	1	B4F0643	06/06/2024	06/08/2024	Ua
Acenaphthene	ND		0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	Ua
Chrysene	ND		0.020	"	"	"	"	"	Ua
Fluorene	ND		0.020	"	"	"	"	"	Ua
Naphthalene	ND		0.002	"	"	"	"	"	Ua
Pyrene	ND		0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	98.9 %		60-130			"	"	"	
Surrogate: Anthracene-d10	95.6 %		60-130			"	"	"	
Surrogate: Pyrene-d10	101 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	94.7 %		60-130			"	"	"	

pH in Soil by 9045D

pH	8.67			pH Units	1	B4F1318	06/13/2024	06/14/2024	
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Table 915 metals by EPA 6020B

Arsenic	1.84		0.267	mg/kg	10	B4F0650	06/06/2024	06/07/2024	
Barium	143		9.21	"	"	"	"	"	

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 - Strong P 28-2

WH-W05@6'
6/6/2024 11:04:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406170-03 (Soil)

Table 915 metals by EPA 6020B

Cadmium	0.0930		0.0921	mg/kg	10	B4F0650	06/06/2024	06/07/2024	
Copper	ND		9.21	"	"	"	"	"	
Nickel	7.53		0.921	"	"	"	"	"	
Selenium	ND		0.239	"	"	"	"	"	

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 - Strong P 28-2

WH-W04@6'
6/6/2024 11:06:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406170-04 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		1.01	mg/L	10	B4F0705	06/07/2024	06/10/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4F0645	06/06/2024	06/06/2024	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: <i>o</i> -Terphenyl	84.7 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4F0647	06/06/2024	06/06/2024	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4	117 %		70-130			"	"	"	
Surrogate: Toluene-d8	98.4 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %		70-130			"	"	"	

PAH by EPA 8270E

1-Methylnaphthalene	ND		0.002	mg/kg	1	B4F0643	06/06/2024	06/08/2024	Ua
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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 - Strong P 28-2

WH-W04@6'
6/6/2024 11:06:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406170-04 (Soil)

PAH by EPA 8270E

2-Methylnaphthalene	ND		0.002	mg/kg	1	B4F0643	06/06/2024	06/08/2024	Ua
Acenaphthene	ND		0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	Ua
Chrysene	ND		0.020	"	"	"	"	"	Ua
Fluorene	ND		0.020	"	"	"	"	"	Ua
Naphthalene	ND		0.002	"	"	"	"	"	Ua
Pyrene	ND		0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	92.1 %		60-130			"	"	"	
Surrogate: Anthracene-d10	95.7 %		60-130			"	"	"	
Surrogate: Pyrene-d10	120 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	91.9 %		60-130			"	"	"	

pH in Soil by 9045D

pH	8.70			pH Units	1	B4F1318	06/13/2024	06/14/2024	
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Table 915 metals by EPA 6020B

Arsenic	3.71		0.259	mg/kg	10	B4F0650	06/06/2024	06/07/2024	
Barium	195		8.93	"	"	"	"	"	

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 - Strong P 28-2

WH-W04@6'
6/6/2024 11:06:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406170-04 (Soil)

Table 915 metals by EPA 6020B

Cadmium	0.104		0.0893	mg/kg	10	B4F0650	06/06/2024	06/07/2024	
Copper	ND		8.93	"	"	"	"	"	
Nickel	15.4		0.893	"	"	"	"	"	
Selenium	ND		0.232	"	"	"	"	"	

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 - Strong P 28-2

WH-S05@6'
6/6/2024 11:08:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406170-05 (Soil)

Boron (DTPA Sorbitol)

Boron	0.957		0.101	mg/L	1	B4F0705	06/07/2024	06/10/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4F0645	06/06/2024	06/06/2024	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	93.5 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4F0647	06/06/2024	06/06/2024	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4	120 %		70-130			"	"	"	
Surrogate: Toluene-d8	98.2 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	105 %		70-130			"	"	"	

PAH by EPA 8270E

1-Methylnaphthalene	ND		0.002	mg/kg	1	B4F0643	06/06/2024	06/08/2024	Ua
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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 - Strong P 28-2

WH-S05@6'
6/6/2024 11:08:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406170-05 (Soil)

PAH by EPA 8270E

2-Methylnaphthalene	ND		0.002	mg/kg	1	B4F0643	06/06/2024	06/08/2024	Ua
Acenaphthene	ND		0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	Ua
Chrysene	ND		0.020	"	"	"	"	"	Ua
Fluorene	ND		0.020	"	"	"	"	"	Ua
Naphthalene	ND		0.002	"	"	"	"	"	Ua
Pyrene	ND		0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	103 %		60-130			"	"	"	
Surrogate: Anthracene-d10	87.7 %		60-130			"	"	"	
Surrogate: Pyrene-d10	105 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	99.9 %		60-130			"	"	"	

pH in Soil by 9045D

pH	8.60			pH Units	1	B4F1318	06/13/2024	06/14/2024	
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Table 915 metals by EPA 6020B

Arsenic	2.60		0.257	mg/kg	10	B4F0650	06/06/2024	06/07/2024	
Barium	237		8.87	"	"	"	"	"	

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 - Strong P 28-2

WH-S05@6'
6/6/2024 11:08:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406170-05 (Soil)

Table 915 metals by EPA 6020B

Cadmium	0.343	0.0887	mg/kg	10	B4F0650	06/06/2024	06/07/2024	
Copper	9.54	8.87	"	"	"	"	"	"
Nickel	14.4	0.887	"	"	"	"	"	"
Selenium	0.411	0.231	"	"	"	"	"	"

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 - Strong P 28-2

WH-S06@6'
6/6/2024 11:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406170-06 (Soil)

Boron (DTPA Sorbitol)

Boron	1.88		0.0983	mg/L	1	B4F0705	06/07/2024	06/10/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4F0645	06/06/2024	06/06/2024	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	91.8 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4F0647	06/06/2024	06/06/2024	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4	124 %		70-130			"	"	"	
Surrogate: Toluene-d8	100 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	104 %		70-130			"	"	"	

PAH by EPA 8270E

1-Methylnaphthalene	ND		0.002	mg/kg	1	B4F0643	06/06/2024	06/08/2024	Ua
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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 - Strong P 28-2

WH-S06@6'
6/6/2024 11:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406170-06 (Soil)

PAH by EPA 8270E

2-Methylnaphthalene	ND		0.002	mg/kg	1	B4F0643	06/06/2024	06/08/2024	Ua
Acenaphthene	ND		0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	Ua
Chrysene	ND		0.020	"	"	"	"	"	Ua
Fluorene	ND		0.020	"	"	"	"	"	Ua
Naphthalene	ND		0.002	"	"	"	"	"	Ua
Pyrene	ND		0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	96.4 %		60-130			"	"	"	
Surrogate: Anthracene-d10	92.7 %		60-130			"	"	"	
Surrogate: Pyrene-d10	114 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	95.9 %		60-130			"	"	"	

pH in Soil by 9045D

pH	8.35			pH Units	1	B4F1318	06/13/2024	06/14/2024	
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Table 915 metals by EPA 6020B

Arsenic	1.92		0.264	mg/kg	10	B4F0650	06/06/2024	06/07/2024	
Barium	474		9.09	"	"	"	"	"	

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 - Strong P 28-2

WH-S06@6'
6/6/2024 11:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406170-06 (Soil)

Table 915 metals by EPA 6020B

Cadmium	0.319		0.0909	mg/kg	10	B4F0650	06/06/2024	06/07/2024	
Copper	ND		9.09	"	"	"	"	"	
Nickel	10.0		0.909	"	"	"	"	"	
Selenium	0.457		0.236	"	"	"	"	"	

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 - Strong P 28-2

WH-E03@6'
6/6/2024 1:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406170-07 (Soil)

Boron (DTPA Sorbitol)

Boron	0.783		0.100	mg/L	1	B4F0705	06/07/2024	06/10/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	57.4		25.0	mg/kg	1	B4F0645	06/06/2024	06/07/2024	
Residual Range Organics (C28-C40)	123		100	"	"	"	"	"	

Surrogate: o-Terphenyl	97.7 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4F0647	06/06/2024	06/06/2024	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4	124 %		70-130			"	"	"	
Surrogate: Toluene-d8	98.0 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	104 %		70-130			"	"	"	

PAH by EPA 8270E

1-Methylnaphthalene	ND		0.002	mg/kg	1	B4F0643	06/06/2024	06/08/2024	Ua
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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 - Strong P 28-2

WH-E03@6'
6/6/2024 1:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406170-07 (Soil)

PAH by EPA 8270E

2-Methylnaphthalene	ND		0.002	mg/kg	1	B4F0643	06/06/2024	06/08/2024	Ua
Acenaphthene	ND		0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	Ua
Chrysene	ND		0.020	"	"	"	"	"	Ua
Fluorene	ND		0.020	"	"	"	"	"	Ua
Naphthalene	ND		0.002	"	"	"	"	"	Ua
Pyrene	ND		0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	96.8 %		60-130			"	"	"	
Surrogate: Anthracene-d10	93.3 %		60-130			"	"	"	
Surrogate: Pyrene-d10	107 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	101 %		60-130			"	"	"	

pH in Soil by 9045D

pH	8.54			pH Units	1	B4F1318	06/13/2024	06/14/2024	
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Table 915 metals by EPA 6020B

Arsenic	2.11		0.277	mg/kg	10	B4F0650	06/06/2024	06/07/2024	
Barium	426		9.55	"	"	"	"	"	

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 - Strong P 28-2

WH-E03@6'

6/6/2024 1:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406170-07 (Soil)

Table 915 metals by EPA 6020B

Cadmium	0.466	0.0955	mg/kg	10	B4F0650	06/06/2024	06/07/2024
Copper	ND	9.55	"	"	"	"	"
Nickel	12.5	0.955	"	"	"	"	"
Selenium	0.530	0.248	"	"	"	"	"

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 - Strong P 28-2

WH-BG09@4'
6/6/2024 11:12:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406170-08 (Soil)

Boron (DTPA Sorbitol)

Boron	0.268		0.0995	mg/L	1	B4F0705	06/07/2024	06/10/2024	
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Metals by Saturated Paste by EPA 6010

Calcium	1.33		0.499	meq/L	10	[CALC]	06/07/2024	06/11/2024	
Magnesium	3.03		0.823	"	"	"	"	"	
Sodium	2.76		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.45			pH Units	1	B4F0716	06/07/2024	06/10/2024	
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SAR by 20B Saturated Paste

SAR	1.87		0.0100	SAR	1	B4F0710	06/07/2024	06/11/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.808		0.00500	mmhos/cm	1	B4F0716	06/07/2024	06/10/2024	
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Table 915 metals by EPA 6020B

Arsenic	2.03		0.256	mg/kg	10	B4F0650	06/06/2024	06/07/2024	
Barium	93.3		8.83	"	"	"	"	"	
Cadmium	ND		0.0883	"	"	"	"	"	
Copper	ND		8.83	"	"	"	"	"	

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 - Strong P 28-2

WH-BG09@4'
6/6/2024 11:12:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406170-08 (Soil)

Table 915 metals by EPA 6020B

Lead	6.29		0.883	mg/kg	10	B4F0650	06/06/2024	06/07/2024	
Nickel	5.85		0.883	"	"	"	"	"	
Selenium	0.565		0.230	"	"	"	"	"	
Silver	ND		0.0883	"	"	"	"	"	
Zinc	ND		32.7	"	"	"	"	"	

Total Metals 7196A

Hexavalent Chromium	ND	0.127	0.318	mg/kg dry	1	2630047	06/21/2024	06/24/2024	U
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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 - Strong P 28-2

WH-BG09@8'
6/6/2024 11:14:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406170-09 (Soil)

Boron (DTPA Sorbitol)

Boron	0.233		0.100	mg/L	1	B4F0705	06/07/2024	06/10/2024	
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Metals by Saturated Paste by EPA 6010

Calcium	1.02		0.499	meq/L	10	[CALC]	06/07/2024	06/11/2024	
Magnesium	2.24		0.823	"	"	"	"	"	
Sodium	1.89		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.48			pH Units	1	B4F0716	06/07/2024	06/10/2024	
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SAR by 20B Saturated Paste

SAR	1.49		0.0100	SAR	1	B4F0710	06/07/2024	06/11/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.653		0.00500	mmhos/cm	1	B4F0716	06/07/2024	06/10/2024	
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Table 915 metals by EPA 6020B

Arsenic	2.40		0.244	mg/kg	10	B4F0650	06/06/2024	06/07/2024	
Barium	80.1		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 - Strong P 28-2

WH-BG09@8'
6/6/2024 11:14:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406170-09 (Soil)

Table 915 metals by EPA 6020B

Lead	6.02		0.841	mg/kg	10	B4F0650	06/06/2024	06/07/2024	
Nickel	4.23		0.841	"	"	"	"	"	
Selenium	1.87		0.219	"	"	"	"	"	
Silver	ND		0.0841	"	"	"	"	"	
Zinc	ND		31.1	"	"	"	"	"	

Total Metals 7196A

Hexavalent Chromium	ND	0.142	0.355	mg/kg dry	1	2630047	06/21/2024	06/24/2024	U
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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 - Strong P 28-2

WH-BG10@4'
6/6/2024 11:16:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406170-10 (Soil)

Boron (DTPA Sorbitol)

Boron	0.169		0.100	mg/L	1	B4F0705	06/07/2024	06/10/2024	
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Metals by Saturated Paste by EPA 6010

Calcium	3.05		0.499	meq/L	10	[CALC]	06/07/2024	06/11/2024	
Magnesium	2.81		0.823	"	"	"	"	"	
Sodium	3.18		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.39			pH Units	1	B4F0716	06/07/2024	06/10/2024	
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SAR by 20B Saturated Paste

SAR	1.85		0.0100	SAR	1	B4F0710	06/07/2024	06/11/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.980		0.00500	mmhos/cm	1	B4F0716	06/07/2024	06/10/2024	
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Table 915 metals by EPA 6020B

Arsenic	1.78		0.275	mg/kg	10	B4F0650	06/06/2024	06/07/2024	
Barium	105		9.49	"	"	"	"	"	
Cadmium	ND		0.0949	"	"	"	"	"	
Copper	ND		9.49	"	"	"	"	"	

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 - Strong P 28-2

WH-BG10@4'
6/6/2024 11:16:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406170-10 (Soil)

Table 915 metals by EPA 6020B

Lead	4.32		0.949	mg/kg	10	B4F0650	06/06/2024	06/07/2024	
Nickel	7.48		0.949	"	"	"	"	"	
Selenium	ND		0.247	"	"	"	"	"	
Silver	ND		0.0949	"	"	"	"	"	
Zinc	ND		35.1	"	"	"	"	"	

Total Metals 7196A

Hexavalent Chromium	ND	0.140	0.351	mg/kg dry	1	2630047	06/21/2024	06/24/2024	U
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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 - Strong P 28-2

WH-BG10@8'
6/6/2024 11:18:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406170-11 (Soil)

Boron (DTPA Sorbitol)

Boron	0.166		0.102	mg/L	1	B4F0705	06/07/2024	06/10/2024	
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Metals by Saturated Paste by EPA 6010

Calcium	2.84		0.499	meq/L	10	[CALC]	06/07/2024	06/11/2024	
Magnesium	2.76		0.823	"	"	"	"	"	
Sodium	2.77		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.48			pH Units	1	B4F0716	06/07/2024	06/10/2024	
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SAR by 20B Saturated Paste

SAR	1.66		0.0100	SAR	1	B4F0710	06/07/2024	06/11/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.894		0.00500	mmhos/cm	1	B4F0716	06/07/2024	06/10/2024	
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Table 915 metals by EPA 6020B

Arsenic	2.07		0.244	mg/kg	10	B4F0650	06/06/2024	06/07/2024	
Barium	51.6		8.43	"	"	"	"	"	
Cadmium	ND		0.0843	"	"	"	"	"	
Copper	ND		8.43	"	"	"	"	"	

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 - Strong P 28-2

WH-BG10@8'
6/6/2024 11:18:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406170-11 (Soil)

Table 915 metals by EPA 6020B

Lead	5.68		0.843	mg/kg	10	B4F0650	06/06/2024	06/07/2024	
Nickel	8.72		0.843	"	"	"	"	"	
Selenium	ND		0.219	"	"	"	"	"	
Silver	ND		0.0843	"	"	"	"	"	
Zinc	33.9		31.2	"	"	"	"	"	

Total Metals 7196A

Hexavalent Chromium	ND	0.116	0.289	mg/kg dry	1	2630047	06/21/2024	06/24/2024	U
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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 - Strong P 28-2

WH-BG11@4'
6/6/2024 11:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406170-12 (Soil)

Boron (DTPA Sorbitol)

Boron	0.243		0.0993	mg/L	1	B4F0705	06/07/2024	06/10/2024	
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Metals by Saturated Paste by EPA 6010

Calcium	1.14		0.499	meq/L	10	[CALC]	06/07/2024	06/11/2024	
Magnesium	2.17		0.823	"	"	"	"	"	
Sodium	2.03		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.56			pH Units	1	B4F0716	06/07/2024	06/10/2024	
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SAR by 20B Saturated Paste

SAR	1.57		0.0100	SAR	1	B4F0710	06/07/2024	06/11/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.632		0.00500	mmhos/cm	1	B4F0716	06/07/2024	06/10/2024	
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Table 915 metals by EPA 6020B

Arsenic	3.62		0.269	mg/kg	10	B4F0650	06/06/2024	06/07/2024	
Barium	86.4		9.27	"	"	"	"	"	
Cadmium	ND		0.0927	"	"	"	"	"	
Copper	ND		9.27	"	"	"	"	"	

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 - Strong P 28-2

WH-BG11@4'
6/6/2024 11:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406170-12 (Soil)

Table 915 metals by EPA 6020B

Lead	6.17		0.927	mg/kg	10	B4F0650	06/06/2024	06/07/2024	
Nickel	3.88		0.927	"	"	"	"	"	
Selenium	0.471		0.241	"	"	"	"	"	
Silver	ND		0.0927	"	"	"	"	"	
Zinc	ND		34.3	"	"	"	"	"	

Total Metals 7196A

Hexavalent Chromium	ND	0.147	0.367	mg/kg dry	1	2630047	06/21/2024	06/24/2024	U
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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 - Strong P 28-2

WH-BG11@8'
6/6/2024 11:22:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406170-13 (Soil)

Boron (DTPA Sorbitol)

Boron	0.433		0.102	mg/L	1	B4F0705	06/07/2024	06/10/2024	
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Metals by Saturated Paste by EPA 6010

Calcium	1.27		0.499	meq/L	10	[CALC]	06/07/2024	06/11/2024	
Magnesium	2.81		0.823	"	"	"	"	"	
Sodium	2.81		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.56			pH Units	1	B4F0716	06/07/2024	06/10/2024	
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SAR by 20B Saturated Paste

SAR	1.97		0.0100	SAR	1	B4F0710	06/07/2024	06/11/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.766		0.00500	mmhos/cm	1	B4F0716	06/07/2024	06/10/2024	
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Table 915 metals by EPA 6020B

Arsenic	1.73		0.276	mg/kg	10	B4F0650	06/06/2024	06/07/2024	
Barium	63.3		9.51	"	"	"	"	"	
Cadmium	ND		0.0951	"	"	"	"	"	
Copper	ND		9.51	"	"	"	"	"	

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 - Strong P 28-2

WH-BG11@8'
6/6/2024 11:22:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406170-13 (Soil)

Table 915 metals by EPA 6020B

Lead	4.63		0.951	mg/kg	10	B4F0650	06/06/2024	06/07/2024	
Nickel	3.48		0.951	"	"	"	"	"	
Selenium	ND		0.247	"	"	"	"	"	
Silver	ND		0.0951	"	"	"	"	"	
Zinc	ND		35.2	"	"	"	"	"	

Total Metals 7196A

Hexavalent Chromium	ND	0.169	0.422	mg/kg dry	1	2630047	06/21/2024	06/24/2024	U
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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 - Strong P 28-2

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 B4F0645 - EPA 3550B										
Blank (B4F0645-BLK1)										
					Prepared: 06/06/2024 Analyzed: 06/06/2024					
Diesel (C10-C28)	ND	25.0	mg/kg							Ua
Residual Range Organics (C28-C40)	ND	100	"							Ua
Surrogate: o-Terphenyl	28		"	24.9		113	50-150			

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 - Strong P 28-2

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 B4F0645 - EPA 3550B

LCS (B4F0645-BS1)

Prepared: 06/06/2024 Analyzed: 06/06/2024

Diesel (C10-C28)	1030	50.0	mg/kg	1000		103	70-130			
Residual Range Organics (C28-C40)	1240	200	"	1000		124	70-130			
Surrogate: o-Terphenyl	62		"	49.8		125	50-150			

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 - Strong P 28-2

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 B4F0645 - EPA 3550B										
Matrix Spike (B4F0645-MS1)			Source: Y406169-11			Prepared: 06/06/2024 Analyzed: 06/06/2024				
Diesel (C10-C28)	1040	50.0	mg/kg	1000	ND	104	70-130			
Residual Range Organics (C28-C40)	1230	200	"	1000	ND	123	70-130			
Surrogate: o-Terphenyl	48		"	49.8		97.4	50-150			

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 - Strong P 28-2

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 B4F0645 - EPA 3550B										
Matrix Spike Dup (B4F0645-MSD1)		Source: Y406169-11			Prepared: 06/06/2024 Analyzed: 06/06/2024					
Diesel (C10-C28)	1110	50.0	mg/kg	1000	ND	111	70-130	6.03	35	
Residual Range Organics (C28-C40)	1240	200	"	1000	ND	124	70-130	0.724	35	
Surrogate: o-Terphenyl	52		"	49.8		104	50-150			

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B4F0647 - EPA 5030 (soil)

Blank (B4F0647-BLK1)

Prepared: 06/06/2024 Analyzed: 06/06/2024

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							Ua
1,3,5-Trimethylbenzene	ND	0.00200	"							Ua
Benzene	ND	0.00200	"							Ua
Ethylbenzene	ND	0.00200	"							Ua
Naphthalene	ND	0.00380	"							Ua
Toluene	ND	0.00200	"							Ua
Xylenes, total	ND	0.00200	"							Ua
Gasoline Range Hydrocarbons	ND	0.200	"							Ua
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		104	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.8	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		106	70-130			

Origins Laboratory, Inc.



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 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B4F0647 - EPA 5030 (soil)

LCS (B4F0647-BS1)

Prepared: 06/06/2024 Analyzed: 06/06/2024

1,2,4-Trimethylbenzene	0.113	0.00200	mg/kg	0.100		113	70-130			
1,3,5-Trimethylbenzene	0.113	0.00200	"	0.100		113	70-130			
Benzene	0.103	0.00200	"	0.100		103	70-130			
Ethylbenzene	0.108	0.00200	"	0.100		108	70-130			
Naphthalene	0.107	0.00380	"	0.100		107	70-130			
Toluene	0.0979	0.00200	"	0.100		97.9	70-130			
o-Xylene	0.113	0.00200	"	0.100		113	70-130			
m,p-Xylene	0.212	0.00400	"	0.200		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		108	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		105	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 - Strong P 28-2

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 B4F0647 - EPA 5030 (soil)

Matrix Spike (B4F0647-MS1)	Source: Y406169-11			Prepared: 06/06/2024 Analyzed: 06/06/2024						
1,2,4-Trimethylbenzene	0.0924	0.00200	mg/kg	0.100	ND	92.4	70-130			
1,3,5-Trimethylbenzene	0.0913	0.00200	"	0.100	ND	91.3	70-130			
Benzene	0.0883	0.00200	"	0.100	ND	88.3	70-130			
Ethylbenzene	0.0843	0.00200	"	0.100	ND	84.3	70-130			
Naphthalene	0.0882	0.00380	"	0.100	ND	88.2	70-130			
Toluene	0.0792	0.00200	"	0.100	ND	79.2	70-130			
o-Xylene	0.0822	0.00200	"	0.100	ND	82.2	70-130			
m,p-Xylene	0.159	0.00400	"	0.200	ND	79.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		109	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		95.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	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 - Strong P 28-2

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 B4F0647 - EPA 5030 (soil)

Matrix Spike Dup (B4F0647-MSD1)	Source: Y406169-11			Prepared: 06/06/2024 Analyzed: 06/06/2024						
1,2,4-Trimethylbenzene	0.0949	0.00200	mg/kg	0.100	ND	94.9	70-130	2.71	20	
1,3,5-Trimethylbenzene	0.0932	0.00200	"	0.100	ND	93.2	70-130	2.02	20	
Benzene	0.0876	0.00200	"	0.100	ND	87.6	70-130	0.819	20	
Ethylbenzene	0.0871	0.00200	"	0.100	ND	87.1	70-130	3.22	20	
Naphthalene	0.0884	0.00380	"	0.100	ND	88.4	70-130	0.249	20	
Toluene	0.0796	0.00200	"	0.100	ND	79.6	70-130	0.605	20	
o-Xylene	0.0855	0.00200	"	0.100	ND	85.5	70-130	3.89	20	
m,p-Xylene	0.167	0.00400	"	0.200	ND	83.3	70-130	4.48	20	
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		110	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		95.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		104	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 - Strong P 28-2

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 B4F0650 - EPA 3050B

Blank (B4F0650-BLK1)

Prepared: 06/06/2024 Analyzed: 06/07/2024

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

LCS (B4F0650-BS1)

Prepared: 06/06/2024 Analyzed: 06/07/2024

Arsenic	5.35	0.290	mg/kg	5.00	107	80-120
Barium	519	10.0	"	500	104	80-120
Cadmium	5.48	0.100	"	5.00	110	80-120
Copper	52.6	10.0	"	50.0	105	80-120
Lead	5.20	1.00	"	5.00	104	80-120
Nickel	5.26	1.00	"	5.00	105	80-120
Selenium	10.6	0.260	"	9.50	112	80-120
Silver	5.44	0.100	"	5.00	109	80-120
Zinc	52.2	37.0	"	50.0	104	80-120

Matrix Spike (B4F0650-MS1)

Source: Y406170-03

Prepared: 06/06/2024 Analyzed: 06/07/2024

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 - Strong P 28-2

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 B4F0650 - EPA 3050B

Matrix Spike (B4F0650-MS1)		Source: Y406170-03			Prepared: 06/06/2024 Analyzed: 06/07/2024					
Arsenic	6.30	0.266	mg/kg	4.59	1.84	97.1	75-125			
Barium	570	9.18	"	459	143	93.0	75-125			
Cadmium	4.80	0.0918	"	4.59	0.0930	103	75-125			
Copper	49.4	9.18	"	45.9	5.16	96.4	75-125			
Lead	9.46	0.918	"	4.59	4.98	97.5	75-125			
Nickel	12.0	0.918	"	4.59	7.53	97.8	75-125			
Selenium	9.19	0.239	"	8.72	0.191	103	75-125			
Silver	4.71	0.0918	"	4.59	0.0175	102	75-125			
Zinc	72.4	34.0	"	45.9	28.3	95.9	75-125			

Matrix Spike Dup (B4F0650-MSD1)		Source: Y406170-03			Prepared: 06/06/2024 Analyzed: 06/07/2024					
Arsenic	6.55	0.266	mg/kg	4.59	1.84	103	75-125	3.88	20	
Barium	597	9.17	"	459	143	98.8	75-125	4.54	20	
Cadmium	4.96	0.0917	"	4.59	0.0930	106	75-125	3.22	20	
Copper	51.0	9.17	"	45.9	5.16	99.9	75-125	3.08	20	
Lead	9.69	0.917	"	4.59	4.98	103	75-125	2.46	20	
Nickel	12.4	0.917	"	4.59	7.53	107	75-125	3.35	20	
Selenium	9.73	0.238	"	8.71	0.191	110	75-125	5.77	20	
Silver	4.84	0.0917	"	4.59	0.0175	105	75-125	2.73	20	
Zinc	75.6	33.9	"	45.9	28.3	103	75-125	4.28	20	

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 - Strong P 28-2

EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 B4F0643 - EPA 3580

Blank (B4F0643-BLK1)

Prepared: 06/06/2024 Analyzed: 06/08/2024

1-Methylnaphthalene	ND	0.002	mg/kg							Ua
2-Methylnaphthalene	ND	0.002	"							Ua
Acenaphthene	ND	0.020	"							Ua
Anthracene	ND	0.020	"							Ua
Benzo (a) anthracene	ND	0.005	"							Ua
Benzo (a) pyrene	ND	0.020	"							Ua
Benzo (b) fluoranthene	ND	0.020	"							Ua
Benzo (g,h,i) perylene	ND	0.020	"							Ua
Benzo (k) fluoranthene	ND	0.020	"							Ua
Chrysene	ND	0.020	"							Ua
Dibenz (a,h) anthracene	ND	0.020	"							Ua
Fluoranthene	ND	0.020	"							Ua
Fluorene	ND	0.020	"							Ua
Indeno (1,2,3-cd) pyrene	ND	0.020	"							Ua
Naphthalene	ND	0.002	"							Ua
Phenanthrene	ND	0.020	"							Ua
Pyrene	ND	0.020	"							Ua
Surrogate: Fluorene-d10	200		ug/kg	200		98.9	60-130			
Surrogate: Anthracene-d10	190		"	200		96.7	60-130			
Surrogate: Pyrene-d10	220		"	200		108	60-130			
Surrogate: Benzo (a) pyrene-d12	180		"	200		92.4	60-130			

LCS (B4F0643-BS1)

Prepared: 06/06/2024 Analyzed: 06/08/2024

1-Methylnaphthalene	0.204	0.002	mg/kg	0.200		102	70-130			
2-Methylnaphthalene	0.211	0.002	"	0.200		105	70-130			
Acenaphthene	0.196	0.020	"	0.200		97.8	70-130			
Anthracene	0.195	0.020	"	0.200		97.6	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 - Strong P 28-2

EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 B4F0643 - EPA 3580

LCS (B4F0643-BS1)

Prepared: 06/06/2024 Analyzed: 06/08/2024

Benzo (a) anthracene	0.198	0.005	mg/kg	0.200		99.2	70-130			
Benzo (a) pyrene	0.204	0.020	"	0.200		102	70-130			
Benzo (b) fluoranthene	0.190	0.020	"	0.200		95.1	70-130			
Benzo (g,h,i) perylene	0.191	0.020	"	0.200		95.7	70-130			
Benzo (k) fluoranthene	0.184	0.020	"	0.200		91.8	70-130			
Chrysene	0.196	0.020	"	0.200		98.0	70-130			
Dibenz (a,h) anthracene	0.165	0.020	"	0.200		82.5	70-130			
Fluoranthene	0.202	0.020	"	0.200		101	70-130			
Fluorene	0.206	0.020	"	0.200		103	70-130			
Indeno (1,2,3-cd) pyrene	0.189	0.020	"	0.200		94.3	70-130			
Naphthalene	0.199	0.002	"	0.200		99.3	70-130			
Phenanthrene	0.199	0.020	"	0.200		99.6	70-130			
Pyrene	0.211	0.020	"	0.200		106	70-130			
Surrogate: Fluorene-d10	220		ug/kg	200		109	60-130			
Surrogate: Anthracene-d10	190		"	200		94.3	60-130			
Surrogate: Pyrene-d10	200		"	200		100	60-130			
Surrogate: Benzo (a) pyrene-d12	180		"	200		89.5	60-130			

Matrix Spike (B4F0643-MS1)

Source: Y406163-01

Prepared: 06/06/2024 Analyzed: 06/08/2024

1-Methylnaphthalene	0.179	0.002	mg/kg	0.200	0.0007	89.3	70-130			
2-Methylnaphthalene	0.198	0.002	"	0.200	ND	98.9	70-130			
Acenaphthene	0.202	0.020	"	0.200	0.001	101	70-130			
Anthracene	0.189	0.020	"	0.200	0.003	93.4	70-130			
Benzo (a) anthracene	0.238	0.005	"	0.200	0.008	115	70-130			
Benzo (a) pyrene	0.232	0.020	"	0.200	0.015	109	70-130			
Benzo (b) fluoranthene	0.235	0.020	"	0.200	0.018	109	70-130			
Benzo (g,h,i) perylene	0.207	0.020	"	0.200	0.026	90.1	70-130			

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 B4F0643 - EPA 3580

Matrix Spike (B4F0643-MS1)		Source: Y406163-01			Prepared: 06/06/2024 Analyzed: 06/08/2024					
Benzo (k) fluoranthene	0.213	0.020	mg/kg	0.200	0.012	100	70-130			
Chrysene	0.219	0.020	"	0.200	0.010	105	70-130			
Dibenz (a,h) anthracene	0.177	0.020	"	0.200	0.037	69.6	70-130			QM-07
Fluoranthene	0.256	0.020	"	0.200	0.006	125	70-130			
Fluorene	0.220	0.020	"	0.200	0.002	109	70-130			
Indeno (1,2,3-cd) pyrene	0.202	0.020	"	0.200	0.030	85.8	70-130			
Naphthalene	0.204	0.002	"	0.200	0.002	101	70-130			
Phenanthrene	0.201	0.020	"	0.200	0.004	98.5	70-130			
Pyrene	0.257	0.020	"	0.200	0.005	126	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		102	60-130			
Surrogate: Anthracene-d10	180		"	200		91.1	60-130			
Surrogate: Pyrene-d10	230		"	200		114	60-130			
Surrogate: Benzo (a) pyrene-d12	180		"	200		91.9	60-130			

Matrix Spike Dup (B4F0643-MSD1)		Source: Y406163-01			Prepared: 06/06/2024 Analyzed: 06/08/2024					
1-Methylnaphthalene	0.191	0.002	mg/kg	0.200	0.0007	95.0	70-130	6.13	20	
2-Methylnaphthalene	0.194	0.002	"	0.200	ND	97.2	70-130	1.72	20	
Acenaphthene	0.198	0.020	"	0.200	0.001	98.3	70-130	2.23	20	
Anthracene	0.181	0.020	"	0.200	0.003	89.3	70-130	4.39	20	
Benzo (a) anthracene	0.212	0.005	"	0.200	0.008	102	70-130	11.5	20	
Benzo (a) pyrene	0.220	0.020	"	0.200	0.015	102	70-130	5.38	20	
Benzo (b) fluoranthene	0.201	0.020	"	0.200	0.018	91.8	70-130	15.4	20	
Benzo (g,h,i) perylene	0.188	0.020	"	0.200	0.026	80.8	70-130	9.50	20	
Benzo (k) fluoranthene	0.179	0.020	"	0.200	0.012	83.6	70-130	17.1	20	
Chrysene	0.218	0.020	"	0.200	0.010	104	70-130	0.212	20	
Dibenz (a,h) anthracene	0.188	0.020	"	0.200	0.037	75.2	70-130	6.11	20	
Fluoranthene	0.254	0.020	"	0.200	0.006	124	70-130	1.02	20	

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 Project Number: [none]
 Project: KMG - Strong P 28-2

EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 B4F0643 - EPA 3580

Matrix Spike Dup (B4F0643-MSD1)	Source: Y406163-01			Prepared: 06/06/2024 Analyzed: 06/08/2024						
Fluorene	0.192	0.020	mg/kg	0.200	0.002	94.6	70-130	13.7	20	
Indeno (1,2,3-cd) pyrene	0.201	0.020	"	0.200	0.030	85.5	70-130	0.217	20	
Naphthalene	0.192	0.002	"	0.200	0.002	94.8	70-130	6.01	20	
Phenanthrene	0.196	0.020	"	0.200	0.004	96.3	70-130	2.20	20	
Pyrene	0.248	0.020	"	0.200	0.005	122	70-130	3.70	20	
Surrogate: Fluorene-d10	200		ug/kg	200		102	60-130			
Surrogate: Anthracene-d10	190		"	200		93.1	60-130			
Surrogate: Pyrene-d10	230		"	200		117	60-130			
Surrogate: Benzo (a) pyrene-d12	190		"	200		93.3	60-130			

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

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 B4F0705 - DTPA Sorbitol Preparation

Blank (B4F0705-BLK1)

Prepared: 06/07/2024 Analyzed: 06/10/2024

Boron ND 0.100 mg/L

Duplicate (B4F0705-DUP1)

Source: Y406168-03

Prepared: 06/07/2024 Analyzed: 06/10/2024

Boron 0.928 0.102 mg/L 0.900 3.12 50

Batch B4F0710 - Saturated Paste Metals

Blank (B4F0710-BLK1)

Prepared: 06/07/2024 Analyzed: 06/11/2024

Calcium PPM ND 10.0 mg/L

SAR ND 0.0100 SAR

Magnesium PPM ND 10.0 mg/L

Sodium PPM ND 10.0 "

Duplicate (B4F0710-DUP1)

Source: Y406158-13

Prepared: 06/07/2024 Analyzed: 06/11/2024

SAR ND 0.0100 SAR 2.95 200

Calcium PPM 29.0 10.0 mg/L 18.7 43.2 50

Magnesium PPM 7.76 10.0 " 5.06 42.1 50

Sodium PPM 70.2 10.0 " 55.8 22.9 50

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

Saturated Paste - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4F0716 - Saturated Paste pH/EC										
Blank (B4F0716-BLK1)					Prepared: 06/07/2024 Analyzed: 06/10/2024					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							
Duplicate (B4F0716-DUP1)					Source: Y406158-13 Prepared: 06/07/2024 Analyzed: 06/10/2024					
Specific Conductance (EC)	0.592	0.00500	mmhos/cm		0.389		41.3	25		QR-DUP
pH	8.39		pH Units		8.11		3.39	25		
Batch B4F1318 - Saturated Paste pH/EC										
Duplicate (B4F1318-DUP1)					Source: Y406169-01 Prepared: 06/13/2024 Analyzed: 06/14/2024					
pH	8.57		pH Units		8.59		0.233	25		

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Strong P 28-2

Total Metals 7196A - Quality Control
GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2630047 - SW846 3060A										
BLANK (1205768621-BLK)					Prepared: 06/21/2024 Analyzed: 06/24/2024					
Hexavalent Chromium	ND	0.244	mg/kg				-			U
LCS (1205768622-BKS)					Prepared: 06/21/2024 Analyzed: 06/24/2024					
Hexavalent Chromium	2.52	0.250	mg/kg	2.50		101	80-120			
DUP (1205768623 D)					Source: Y406170-08 Prepared: 06/21/2024 Analyzed: 06/24/2024					
Hexavalent Chromium	ND	0.319	mg/kg dry		<0.128		0-50	N/A	50	U
MS (1205768624 S)					Source: Y406170-08 Prepared: 06/21/2024 Analyzed: 06/24/2024					
Hexavalent Chromium	2.09	0.319	mg/kg dry	3.19	<0.128	64.2	75-125			
DUP (1205768625 D)					Source: 671003001 Prepared: 06/21/2024 Analyzed: 06/24/2024					
Hexavalent Chromium	0.145	0.326	mg/kg dry		<0.130		0-50	N/A	50	J
MS (1205768626 S)					Source: 671003001 Prepared: 06/21/2024 Analyzed: 06/24/2024					
Hexavalent Chromium	2.60	0.326	mg/kg dry	3.26	<0.130	77.5	75-125			
ILCS (1205768627-ILCS)					Prepared: 06/21/2024 Analyzed: 06/24/2024					
Hexavalent Chromium	5.95	0.291	mg/kg	5.87		101	80-120			

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

Dan Coloccia
Project Number: [none]
Project: KMG - Strong P 28-2

Notes and Definitions

Ua Sample is Non-Detect.

U Result not detected above the detection limit

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

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 Greater than the detection limit but less than the reporting 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.

Calculated results may use J-flag data (instead of reported "ND") as part of calculation to provide a more accurate result.

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