



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

November 05, 2024

Wheat Ridge CO 80033

Project Name - KMG - Canepa 6-15

Project Number - [none]

Attached are your analytical results for KMG - Canepa 6-15 received by Origins Laboratory November 04, 2024. This project is associated with Origins project number E4K0058-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory
303.433.1322
projectmanager@originslab.com



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

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

Dan Coloccia
Project Number: [none]
Project: KMG - Canepa 6-15

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-BG01@3'	E4K0058-01	Soil	November 4, 2024 14:42	11/04/2024 17:10
WH-BG01@6'	E4K0058-02	Soil	November 4, 2024 14:43	11/04/2024 17:10
WH-BG02@3'	E4K0058-03	Soil	November 4, 2024 14:50	11/04/2024 17:10
WH-BG02@6'	E4K0058-04	Soil	November 4, 2024 14:51	11/04/2024 17:10
WH-BG03@3'	E4K0058-05	Soil	November 4, 2024 14:56	11/04/2024 17:10
WH-BG03@6'	E4K0058-06	Soil	November 4, 2024 14:57	11/04/2024 17:10
WH-BG04@3'	E4K0058-07	Soil	November 4, 2024 15:03	11/04/2024 17:10
WH-BG04@6'	E4K0058-08	Soil	November 4, 2024 15:04	11/04/2024 17:10

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Canepa 6-15

ORIGINS

LABORATORY LLC

ORIGINS WORK ORDER #

44K0058

Page 1 of 1

Client: Eagle Environmental (ovh)
 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: Canepa 6-15
 Project Number: -
 Collected By: CB
 Invoice/Billing Info: Int'l
 Key: -
 W=Water
 GW=Groundwater
 SW=Surface Water
 WW=Waste Water
 L=Liquid
 S=soil | SO=soild | 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
							DR	FA	BAR	Metals	
1	WHT-B501e5'	11/17/14	14:42	2	S	UNP	X	X	X	X	
2	WHT-B501e6'		14:43								
3	WHT-B502e5'		14:50								
4	WHT-B502e6'		14:51								
5	WHT-B503e5'		14:56								
6	WHT-B503e6'		14:57								
7	WHT-B504e5'		15:03								
8	WHT-B504e6'		15:04								
9											
10											

Relinquished By: [Signature] Date: 11/17/14 Time: 14:10
 Received By: [Signature] Date: 11/17/14 Time: 17:10
 Turnaround Time: SAME DAY 24 Hr
 48 Hr 72 Hr
 For Lab Sample Receiving Only: Standard
 Temp Received - 4.9 Received On Ice? Yes No

Origins Laboratory

Jefe Pellegrini

Jen Pellegrini For Jordan A. Bynon, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: KMG - Canepa 6-15

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: EUK0058 Client: Eagle
Client Project ID: Canepa 6-15
Checklist Completed by: JHO/KK Shipped Via: HO
Date/time completed: 11/14/12 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
Airbill #: N/A
Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____ (Describe)
Cooler Number/Temperature: 1, 4.9 °C °C °C °C
Thermometer ID: 7007

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	/			SD
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) JHO

Date/Time Reviewed 11/14/12

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Canepa 6-15

WH-BG01@3'

11/4/2024 2:42:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
 E4K0058-01 (Soil)**

Table 915 metals by EPA 6020B

Arsenic	6.14		0.274	mg/kg	10	B4K0448	11/04/2024	11/05/2024	
Barium	264		9.45	"	"	"	"	"	
Cadmium	0.229		0.0945	"	"	"	"	"	
Copper	13.7		9.45	"	"	"	"	"	
Lead	10.4		0.945	"	"	"	"	"	
Nickel	14.8		0.945	"	"	"	"	"	
Selenium	ND		0.246	"	"	"	"	"	U
Silver	ND		0.0945	"	"	"	"	"	U
Zinc	50.4		35.0	"	"	"	"	"	

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

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 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Canepa 6-15

WH-BG01@6'

11/4/2024 2:43:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E4K0058-02 (Soil)

Table 915 metals by EPA 6020B

Arsenic	5.65		0.264	mg/kg	10	B4K0448	11/04/2024	11/05/2024	
Barium	171		9.09	"	"	"	"	"	
Cadmium	0.148		0.0909	"	"	"	"	"	
Copper	10.1		9.09	"	"	"	"	"	
Lead	8.77		0.909	"	"	"	"	"	
Nickel	11.9		0.909	"	"	"	"	"	
Selenium	ND		0.236	"	"	"	"	"	U
Silver	ND		0.0909	"	"	"	"	"	U
Zinc	39.8		33.6	"	"	"	"	"	

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

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 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Canepa 6-15

WH-BG02@3'

11/4/2024 2:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
 E4K0058-03 (Soil)**

Table 915 metals by EPA 6020B

Arsenic	6.23		0.247	mg/kg	10	B4K0448	11/04/2024	11/05/2024	
Barium	170		8.51	"	"	"	"	"	
Cadmium	0.184		0.0851	"	"	"	"	"	
Copper	11.4		8.51	"	"	"	"	"	
Lead	10.3		0.851	"	"	"	"	"	
Nickel	13.9		0.851	"	"	"	"	"	
Selenium	ND		0.221	"	"	"	"	"	U
Silver	ND		0.0851	"	"	"	"	"	U
Zinc	47.8		31.5	"	"	"	"	"	

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

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 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Canepa 6-15

WH-BG02@6'

11/4/2024 2:51:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E4K0058-04 (Soil)

Table 915 metals by EPA 6020B

Arsenic	5.91		0.267	mg/kg	10	B4K0448	11/04/2024	11/05/2024	
Barium	127		9.19	"	"	"	"	"	
Cadmium	0.138		0.0919	"	"	"	"	"	
Copper	12.2		9.19	"	"	"	"	"	
Lead	9.57		0.919	"	"	"	"	"	
Nickel	13.0		0.919	"	"	"	"	"	
Selenium	ND		0.239	"	"	"	"	"	U
Silver	ND		0.0919	"	"	"	"	"	U
Zinc	46.1		34.0	"	"	"	"	"	

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

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 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Canepa 6-15

WH-BG03@3'

11/4/2024 2:56:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E4K0058-05 (Soil)

Table 915 metals by EPA 6020B

Arsenic	5.68		0.252	mg/kg	10	B4K0448	11/04/2024	11/05/2024	
Barium	203		8.67	"	"	"	"	"	
Cadmium	0.239		0.0867	"	"	"	"	"	
Copper	13.6		8.67	"	"	"	"	"	
Lead	10.5		0.867	"	"	"	"	"	
Nickel	14.9		0.867	"	"	"	"	"	
Selenium	ND		0.226	"	"	"	"	"	U
Silver	ND		0.0867	"	"	"	"	"	U
Zinc	51.1		32.1	"	"	"	"	"	

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

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 Project: KMG - Canepa 6-15

WH-BG03@6'

11/4/2024 2:57:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E4K0058-06 (Soil)

Table 915 metals by EPA 6020B

Arsenic	7.21		0.250	mg/kg	10	B4K0448	11/04/2024	11/05/2024	
Barium	133		8.63	"	"	"	"	"	
Cadmium	0.185		0.0863	"	"	"	"	"	
Copper	12.5		8.63	"	"	"	"	"	
Lead	11.2		0.863	"	"	"	"	"	
Nickel	14.5		0.863	"	"	"	"	"	
Selenium	ND		0.224	"	"	"	"	"	U
Silver	ND		0.0863	"	"	"	"	"	U
Zinc	49.3		31.9	"	"	"	"	"	

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

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 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Canepa 6-15

WH-BG04@3'

11/4/2024 3:03:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E4K0058-07 (Soil)

Table 915 metals by EPA 6020B

Arsenic	7.63		0.246	mg/kg	10	B4K0448	11/04/2024	11/05/2024	
Barium	182		8.50	"	"	"	"	"	
Cadmium	0.181		0.0850	"	"	"	"	"	
Copper	13.5		8.50	"	"	"	"	"	
Lead	11.5		0.850	"	"	"	"	"	
Nickel	15.4		0.850	"	"	"	"	"	
Selenium	ND		0.221	"	"	"	"	"	U
Silver	ND		0.0850	"	"	"	"	"	U
Zinc	51.6		31.4	"	"	"	"	"	

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

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 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Canepa 6-15

WH-BG04@6'

11/4/2024 3:04:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory
 E4K0058-08 (Soil)**

Table 915 metals by EPA 6020B

Arsenic	13.7		0.266	mg/kg	10	B4K0448	11/04/2024	11/05/2024	
Barium	180		9.18	"	"	"	"	"	
Cadmium	0.178		0.0918	"	"	"	"	"	
Copper	ND		9.18	"	"	"	"	"	U
Lead	10.6		0.918	"	"	"	"	"	
Nickel	11.5		0.918	"	"	"	"	"	
Selenium	ND		0.239	"	"	"	"	"	U
Silver	ND		0.0918	"	"	"	"	"	U
Zinc	ND		34.0	"	"	"	"	"	U

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

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Eagle Environmental Consulting, LLC
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 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Canepa 6-15

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4K0448 - EPA 3050B

Blank (B4K0448-BLK1)

Prepared: 11/04/2024 Analyzed: 11/05/2024

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

LCS (B4K0448-BS1)

Prepared: 11/04/2024 Analyzed: 11/05/2024

Arsenic	5.64	0.290	mg/kg	5.00		113	80-120			
Barium	524	10.0	"	500		105	80-120			
Cadmium	5.57	0.100	"	5.00		111	80-120			
Copper	59.6	10.0	"	50.0		119	80-120			
Lead	5.11	1.00	"	5.00		102	80-120			
Nickel	5.34	1.00	"	5.00		107	80-120			
Selenium	5.04	0.260	"	5.00		101	80-120			
Silver	5.89	0.100	"	5.00		118	80-120			
Zinc	56.4	37.0	"	50.0		113	80-120			

Matrix Spike (B4K0448-MS1)

Source: E4K0057-05

Prepared: 11/04/2024 Analyzed: 11/05/2024

Arsenic	10.9	0.267	mg/kg	4.60	5.95	107	75-125			
Barium	677	9.19	"	460	207	102	75-125			
Cadmium	5.25	0.0919	"	4.60	0.212	110	75-125			
Copper	63.6	9.19	"	46.0	13.0	110	75-125			
Lead	15.2	0.919	"	4.60	10.1	109	75-125			

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 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Canepa 6-15

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4K0448 - EPA 3050B

Matrix Spike (B4K0448-MS1)

Source: E4K0057-05

Prepared: 11/04/2024 Analyzed: 11/05/2024

Nickel	18.7	0.919	mg/kg	4.60	14.6	89.3	75-125			
Selenium	4.66	0.239	"	4.60	0.219	96.6	75-125			
Silver	5.39	0.0919	"	4.60	0.0483	116	75-125			
Zinc	153	34.0	"	46.0	117	78.2	75-125			

Matrix Spike Dup (B4K0448-MSD1)

Source: E4K0057-05

Prepared: 11/04/2024 Analyzed: 11/05/2024

Arsenic	10.9	0.261	mg/kg	4.50	5.95	109	75-125	0.0894	20	
Barium	683	9.00	"	450	207	106	75-125	0.932	20	
Cadmium	5.21	0.0900	"	4.50	0.212	111	75-125	0.630	20	
Copper	63.6	9.00	"	45.0	13.0	112	75-125	0.0428	20	
Lead	15.2	0.900	"	4.50	10.1	112	75-125	0.103	20	
Nickel	19.2	0.900	"	4.50	14.6	102	75-125	2.69	20	
Selenium	5.02	0.234	"	4.50	0.219	107	75-125	7.38	20	
Silver	5.39	0.0900	"	4.50	0.0483	119	75-125	0.0322	20	
Zinc	115	33.3	"	45.0	117	NR	75-125	28.9	20	QM-07, QR-DUP

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

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8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Canepa 6-15

Notes and Definitions

U Sample is Non-Detect.

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.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

Origins Laboratory



Jen Pellegrini For Jordan A. Bynon, Project Manager

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