



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

November 13, 2024

Wheat Ridge CO 80033

Project Name - KMG - Canepa 6-13

Project Number - [none]

Attached are your analytical results for KMG - Canepa 6-13 received by Origins Laboratory November 04, 2024. This project is associated with Origins project number E4K0060-01.

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 6-13

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GW-03	E4K0060-01	Water	November 4, 2024 10:50	11/04/2024 17:10
GW-04	E4K0060-02	Water	November 4, 2024 11:50	11/04/2024 17:10

Origins Laboratory

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Jordan A. Bynon For Jen Pellegrini, Project Manager

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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Canepa 6-13

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: E4E0000 Client: Eagle
 Client Project ID: Canepa
 Checklist Completed by: SHD 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: 114A °C 1 °C 1 °C 1 °C
 Thermometer ID: 1007

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 SO ₂ +NaOH, ZnAc+NaOH)	<input checked="" type="checkbox"/>			NC
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) SHD Date/Time Reviewed 11/14/12

Origins Laboratory



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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Canepa 6-13

GW-03

11/4/2024 10:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E4K0060-01 (Water)

Anions by IC 300.0

Chloride	47.9	31.2	mg/L	125	B4K0501	11/05/2024	11/05/2024	
Sulfate	806	31.2	"	"	"	"	"	

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B4K0452	11/04/2024	11/04/2024	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	114 %	70-130			"	"	"
Surrogate: Toluene-d8	89.5 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	92.2 %	70-130			"	"	"

Total Dissolved Solids by 2540C

Total Dissolved Solids	1890	5.00	mg/L	1	B4K0526	11/05/2024	11/05/2024
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Origins Laboratory



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

Dan Coloccia
 Project Number: [none]
 Project: KMG - Canepa 6-13

GW-04

11/4/2024 11:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory
E4K0060-02 (Water)

Anions by IC 300.0

Chloride	34.7		31.2	mg/L	125	B4K0501	11/05/2024	11/05/2024	
Sulfate	612		31.2	"	"	"	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	1620		5.00	"	1	B4K0526	11/05/2024	11/05/2024	
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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Canepa 6-13

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4K0452 - EPA 5030B (Water)

Blank (B4K0452-BLK1)

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

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	69		"	62.5	110		70-130			
Surrogate: Toluene-d8	58		"	62.5	93.6		70-130			
Surrogate: 4-Bromofluorobenzene	58		"	62.5	92.3		70-130			

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 Project: KMG - Canepa 6-13

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4K0452 - EPA 5030B (Water)

LCS (B4K0452-BS1)

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

1,2,4-Trimethylbenzene	43.1	2.00	ug/L	50.0		86.2	70-130			
1,3,5-Trimethylbenzene	43.0	2.00	"	50.0		86.0	70-130			
Benzene	42.9	1.00	"	50.0		85.7	70-130			
Ethylbenzene	41.1	1.00	"	50.0		82.1	70-130			
m,p-Xylene	80.7	2.00	"	100		80.7	70-130			
Naphthalene	47.3	2.00	"	50.0		94.6	70-130			
o-Xylene	40.6	1.00	"	50.0		81.1	70-130			
Toluene	40.2	1.00	"	50.0		80.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	67		"	62.5		107	70-130			
Surrogate: Toluene-d8	58		"	62.5		92.3	70-130			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		102	70-130			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4K0452 - EPA 5030B (Water)

Matrix Spike (B4K0452-MS1)	Source: E4K0037-01			Prepared: 11/04/2024 Analyzed: 11/04/2024						
1,2,4-Trimethylbenzene	45.2	2.00	ug/L	50.0	ND	90.4	70-130			
1,3,5-Trimethylbenzene	45.6	2.00	"	50.0	ND	91.3	70-130			
Benzene	46.7	1.00	"	50.0	ND	93.4	70-130			
Ethylbenzene	43.6	1.00	"	50.0	ND	87.3	70-130			
m,p-Xylene	84.1	2.00	"	100	ND	84.1	70-130			
Naphthalene	44.5	2.00	"	50.0	0.480	88.1	70-130			
o-Xylene	42.2	1.00	"	50.0	ND	84.3	70-130			
Toluene	44.2	1.00	"	50.0	ND	88.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	65		"	62.5		105	70-130			
Surrogate: Toluene-d8	58		"	62.5		93.4	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.4	70-130			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4K0452 - EPA 5030B (Water)										
Matrix Spike Dup (B4K0452-MSD1)			Source: E4K0037-01			Prepared: 11/04/2024 Analyzed: 11/04/2024				
1,2,4-Trimethylbenzene	38.6	2.00	ug/L	50.0	ND	77.1	70-130	15.9	20	
1,3,5-Trimethylbenzene	38.1	2.00	"	50.0	ND	76.3	70-130	18.0	20	
Benzene	39.6	1.00	"	50.0	ND	79.2	70-130	16.4	20	
Ethylbenzene	37.6	1.00	"	50.0	ND	75.2	70-130	14.9	20	
m,p-Xylene	72.6	2.00	"	100	ND	72.6	70-130	14.7	20	
Naphthalene	44.2	2.00	"	50.0	0.480	87.5	70-130	0.744	20	
o-Xylene	35.9	1.00	"	50.0	ND	71.8	70-130	16.0	20	
Toluene	37.1	1.00	"	50.0	ND	74.1	70-130	17.6	20	
Surrogate: 1,2-Dichloroethane-d4	66		"	62.5		106	70-130			
Surrogate: Toluene-d8	57		"	62.5		90.8	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	70-130			

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 Project Number: [none]
 Project: KMG - Canepa 6-13

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Classical Chemistry Parameters - 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 B4K0501 - Filter .45um non acidified

Blank (B4K0501-BLK1)

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

Chloride	ND	0.250	mg/L							
Sulfate	ND	0.250	"							

LCS (B4K0501-BS1)

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

Chloride	3.80	0.250	mg/L	4.00		94.9	90-110			
Sulfate	3.86	0.250	"	4.00		96.4	90-110			

Matrix Spike (B4K0501-MS1)

Source: E4K0060-01

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

Chloride	551		mg/L	500	47.9	101	90-110			
Sulfate	1320		"	500	806	103	90-110			

Matrix Spike Dup (B4K0501-MSD1)

Source: E4K0060-01

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

Chloride	558		mg/L	500	47.9	102	90-110	1.31	5	
Sulfate	1360		"	500	806	111	90-110	2.98	5	

Batch B4K0526 - NO PREP

Blank (B4K0526-BLK1)

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

Total Dissolved Solids	ND	5.00	mg/L							
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LCS (B4K0526-BS1)

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

Total Dissolved Solids	1010	5.00	mg/L	1010		100	90-110			
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Duplicate (B4K0526-DUP1)

Source: E410983-31

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

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Classical Chemistry Parameters - Quality Control
Origins Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4K0526 - NO PREP										
Total Dissolved Solids	632	5.00	mg/L		608			3.87	10	

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Jordan A. Bynon For Jen Pellegrini, Project Manager

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

Dan Coloccia
Project Number: [none]
Project: KMG - Canepa 6-13

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 on a wet weight basis.

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