



February 05, 2024

Eagle Environmental Consulting, LLC

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - Canepa 6-21

Project Number - [none]

Attached are your analytical results for KMG - Canepa 6-21 received by Origins Laboratory, Inc. January 24, 2024. This project is associated with Origins project number Y401588-01.

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 - Canepa 6-21

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FL-B01@4'	Y401588-01	Soil	January 24, 2024 12:40	01/24/2024 16:10
FL-B04@4'	Y401588-02	Soil	January 24, 2024 13:30	01/24/2024 16:10

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 - Canepa 6-21

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 44401598

Client: Eagle

Client Project ID: Canepa 6-21

Checklist Completed by: JAH

Shipped Via: HP

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

Date/time completed: 1/24/24

Airbill #: N/A

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

Cooler Number/Temperature: 16 °C 1 °C 1 °C (Describe) _____ °C

Thermometer ID: 7004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
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) JAH

Date/Time Reviewed 1/24/24

Origins Laboratory, Inc.

J. Bynon

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

Dan Coloccia
Project Number: [none]
Project: KMG - Canepa 6-21

FL-B01@4'

1/24/2024 12:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401588-01 (Soil)

Boron (DTPA Sorbitol)

Boron	1.04	0.101	mg/L	1	B4A2507	01/25/2024	01/26/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4A2434	01/24/2024	01/25/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	96.6 %	50-150	"	"	"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4A2444	01/24/2024	01/25/2024	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	108 %	70-130	"	"	"	"	"	
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Dan Coloccia
Project Number: [none]
Project: KMG - Canepa 6-21

FL-B01@4'

1/24/2024 12:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401588-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	101 %	70-130				B4A24 44	01/24/2024	01/25/2024	
Surrogate: 4-Bromofluorobenzene	94.8 %	70-130				"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	4.59	0.499	meq/L	10	[CALC]	01/25/2024	01/26/2024	
Magnesium	6.05	0.823	"	"	"	"	"	
Sodium	3.56	0.435	"	"	"	"	"	

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4A2433	01/24/2024	01/24/2024	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 (k) fluoranthene	ND	0.020	"	"	"	"	"	U
Chrysene	ND	0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	U
Fluoranthene	ND	0.020	"	"	"	"	"	U

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Project Number: [none]
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FL-B01@4'

1/24/2024 12:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401588-01 (Soil)

PAH by EPA 8270E

Fluorene	ND	0.020	mg/kg	1	B4A2433	01/24/2024	01/24/2024	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	U
Naphthalene	ND	0.002	"	"	"	"	"	U
Pyrene	ND	0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	100 %	60-130	"	"	"
Surrogate: Anthracene-d10	95.7 %	60-130	"	"	"
Surrogate: Pyrene-d10	101 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	103 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.38	pH Units	1	B4A2517	01/25/2024	01/26/2024
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SAR by 20B Saturated Paste

SAR	1.54	0.0100	SAR	1	B4A2512	01/25/2024	01/26/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.43	0.00500	mmhos/cm	1	B4A2517	01/25/2024	01/26/2024
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Table 915 metals by EPA 6020B

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Dan Coloccia
Project Number: [none]
Project: KMG - Canepa 6-21

FL-B01@4'

1/24/2024 12:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401588-01 (Soil)

Table 915 metals by EPA 6020B

Arsenic	4.84	0.0900	mg/kg	10	B4A2432	01/24/2024	01/26/2024
Barium	169	9.00	"	"	"	"	"
Cadmium	0.191	0.0900	"	"	"	"	"
Copper	10.3	9.00	"	"	"	"	"
Lead	9.89	0.900	"	"	"	"	"
Nickel	12.2	0.900	"	"	"	"	"
Selenium	0.168	0.0900	"	"	"	"	"
Silver	ND	0.0900	"	"	"	"	"
Zinc	39.7	9.00	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L730190	01/24/2024	02/01/2024
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8000 W 44th Ave
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Dan Coloccia
Project Number: [none]
Project: KMG - Canepa 6-21

FL-B04@4'

1/24/2024 1:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401588-02 (Soil)

Boron (DTPA Sorbitol)

Boron	1.15	0.100	mg/L	1	B4A2507	01/25/2024	01/26/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4A2434	01/24/2024	01/25/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	97.3 %	50-150	"	"	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4A2444	01/24/2024	01/25/2024	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	107 %	70-130	"	"	"	"	"
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8000 W 44th Ave
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Dan Coloccia
Project Number: [none]
Project: KMG - Canepa 6-21

FL-B04@4'

1/24/2024 1:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401588-02 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	100 %	70-130				B4A24 44	01/24/2024	01/25/2024	
Surrogate: 4-Bromofluorobenzene	94.7 %	70-130				"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	5.32	0.499	meq/L	10	[CALC]	01/25/2024	01/26/2024	
Magnesium	10.0	0.823	"	"	"	"	"	
Sodium	6.80	0.435	"	"	"	"	"	

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4A2433	01/24/2024	01/24/2024	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 (k) fluoranthene	ND	0.020	"	"	"	"	"	U
Chrysene	ND	0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	U
Fluoranthene	ND	0.020	"	"	"	"	"	U

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Dan Coloccia
Project Number: [none]
Project: KMG - Canepa 6-21

FL-B04@4'

1/24/2024 1:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401588-02 (Soil)

PAH by EPA 8270E

Fluorene	ND	0.020	mg/kg	1	B4A2433	01/24/2024	01/24/2024	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	U
Naphthalene	ND	0.002	"	"	"	"	"	U
Pyrene	ND	0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	99.9 %	60-130	"	"	"
Surrogate: Anthracene-d10	96.5 %	60-130	"	"	"
Surrogate: Pyrene-d10	100 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	103 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.37	pH Units	1	B4A2517	01/25/2024	01/26/2024
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SAR by 20B Saturated Paste

SAR	2.46	0.0100	SAR	1	B4A2512	01/25/2024	01/26/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	2.07	0.00500	mmhos/cm	1	B4A2517	01/25/2024	01/26/2024
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Table 915 metals by EPA 6020B

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

Dan Coloccia
Project Number: [none]
Project: KMG - Canepa 6-21

FL-B04@4'

1/24/2024 1:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401588-02 (Soil)

Table 915 metals by EPA 6020B

Arsenic	4.73	0.0997	mg/kg	10	B4A2432	01/24/2024	01/26/2024
Barium	240	9.97	"	"	"	"	"
Cadmium	0.128	0.0997	"	"	"	"	"
Copper	ND	9.97	"	"	"	"	"
Lead	5.54	0.997	"	"	"	"	"
Nickel	6.97	0.997	"	"	"	"	"
Selenium	0.154	0.0997	"	"	"	"	"
Silver	ND	0.0997	"	"	"	"	"
Zinc	20.0	9.97	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L730190	01/24/2024	02/01/2024
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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Canepa 6-21

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 B4A2434 - EPA 3550B										
Blank (B4A2434-BLK1)					Prepared: 01/24/2024 Analyzed: 01/24/2024					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	24		"	24.9		96.6	50-150			

Origins Laboratory, Inc.



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8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Canepa 6-21

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 B4A2434 - EPA 3550B										
LCS (B4A2434-BS1)					Prepared: 01/24/2024 Analyzed: 01/24/2024					
Diesel (C10-C28)	908	50.0	mg/kg	1000		90.8	70-130			
Residual Range Organics (C28-C40)	870	200	"	1000		87.0	70-130			
Surrogate: o-Terphenyl	51		"	49.8		102	50-150			

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8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Canepa 6-21

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 B4A2434 - EPA 3550B										
Matrix Spike (B4A2434-MS1)		Source: Y401584-02			Prepared: 01/24/2024 Analyzed: 01/24/2024					
Diesel (C10-C28)	943	50.0	mg/kg	1000	ND	94.3	70-130			
Residual Range Organics (C28-C40)	912	200	"	1000	ND	91.2	70-130			
Surrogate: o-Terphenyl	56		"	49.8		113	50-150			

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Dan Coloccia
Project Number: [none]
Project: KMG - Canepa 6-21

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 B4A2434 - EPA 3550B										
Matrix Spike Dup (B4A2434-MSD1)		Source: Y401584-02			Prepared: 01/24/2024 Analyzed: 01/24/2024					
Diesel (C10-C28)	935	50.0	mg/kg	1000	ND	93.5	70-130	0.822	35	
Residual Range Organics (C28-C40)	899	200	"	1000	ND	89.9	70-130	1.38	35	
Surrogate: o-Terphenyl	55		"	49.8		110	50-150			

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Project Number: [none]
Project: KMG - Canepa 6-21

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 B4A2444 - EPA 5030 (soil)										
Blank (B4A2444-BLK1)					Prepared: 01/24/2024 Analyzed: 01/24/2024					
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		105	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		93.5	70-130			

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8000 W 44th Ave
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Dan Coloccia
Project Number: [none]
Project: KMG - Canepa 6-21

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 B4A2444 - EPA 5030 (soil)										
LCS (B4A2444-BS1)					Prepared: 01/24/2024 Analyzed: 01/24/2024					
1,2,4-Trimethylbenzene	0.108	0.00200	mg/kg	0.100		108	70-130			
1,3,5-Trimethylbenzene	0.108	0.00200	"	0.100		108	70-130			
Benzene	0.0988	0.00200	"	0.100		98.8	70-130			
Ethylbenzene	0.107	0.00200	"	0.100		107	70-130			
Naphthalene	0.110	0.00380	"	0.100		110	70-130			
Toluene	0.0997	0.00200	"	0.100		99.7	70-130			
o-Xylene	0.107	0.00200	"	0.100		107	70-130			
m,p-Xylene	0.211	0.00400	"	0.200		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		101	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		100	70-130			

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Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Canepa 6-21

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 B4A2444 - EPA 5030 (soil)										
Matrix Spike (B4A2444-MS1)		Source: Y401499-23			Prepared: 01/24/2024 Analyzed: 01/24/2024					
1,2,4-Trimethylbenzene	0.0936	0.00200	mg/kg	0.100	ND	93.6	70-130			
1,3,5-Trimethylbenzene	0.0944	0.00200	"	0.100	ND	94.4	70-130			
Benzene	0.0923	0.00200	"	0.100	ND	92.3	70-130			
Ethylbenzene	0.0964	0.00200	"	0.100	ND	96.4	70-130			
Naphthalene	0.0918	0.00380	"	0.100	ND	91.8	70-130			
Toluene	0.0913	0.00200	"	0.100	ND	91.3	70-130			
o-Xylene	0.0944	0.00200	"	0.100	ND	94.4	70-130			
m,p-Xylene	0.187	0.00400	"	0.200	ND	93.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		106	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	70-130			

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Dan Coloccia
Project Number: [none]
Project: KMG - Canepa 6-21

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 B4A2444 - EPA 5030 (soil)										
Matrix Spike Dup (B4A2444-MSD1)			Source: Y401499-23		Prepared: 01/24/2024 Analyzed: 01/24/2024					
1,2,4-Trimethylbenzene	0.0889	0.00200	mg/kg	0.100	ND	88.9	70-130	5.13	20	
1,3,5-Trimethylbenzene	0.0899	0.00200	"	0.100	ND	89.9	70-130	4.82	20	
Benzene	0.0892	0.00200	"	0.100	ND	89.2	70-130	3.40	20	
Ethylbenzene	0.0911	0.00200	"	0.100	ND	91.1	70-130	5.59	20	
Naphthalene	0.0903	0.00380	"	0.100	ND	90.3	70-130	1.74	20	
Toluene	0.0889	0.00200	"	0.100	ND	88.9	70-130	2.62	20	
o-Xylene	0.0902	0.00200	"	0.100	ND	90.2	70-130	4.61	20	
m,p-Xylene	0.178	0.00400	"	0.200	ND	89.2	70-130	4.81	20	
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		108	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		100	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		100	70-130			

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Dan Coloccia
Project Number: [none]
Project: KMG - Canepa 6-21

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 B4A2432 - EPA 3050B

Blank (B4A2432-BLK1)

Prepared: 01/24/2024 Analyzed: 01/26/2024

Arsenic	ND	0.0100	mg/kg
Barium	ND	1.00	"
Cadmium	ND	0.0100	"
Copper	ND	1.00	"
Lead	ND	0.100	"
Nickel	ND	0.100	"
Selenium	ND	0.0100	"
Silver	ND	0.0100	"
Zinc	ND	1.00	"

LCS (B4A2432-BS1)

Prepared: 01/24/2024 Analyzed: 01/26/2024

Arsenic	4.96	0.0100	mg/kg	5.00	99.2	80-120
Barium	527	1.00	"	500	105	80-120
Cadmium	4.98	0.0100	"	5.00	99.6	80-120
Copper	52.9	1.00	"	50.0	106	80-120
Lead	5.40	0.100	"	5.00	108	80-120
Nickel	5.15	0.100	"	5.00	103	80-120
Selenium	4.41	0.0100	"	5.00	88.1	80-120
Silver	5.87	0.0100	"	5.00	117	80-120
Zinc	49.0	1.00	"	50.0	98.0	80-120

Matrix Spike (B4A2432-MS1)

Source: Y401586-02

Prepared: 01/24/2024 Analyzed: 01/26/2024

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Project: KMG - Canepa 6-21

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 B4A2432 - EPA 3050B										
Matrix Spike (B4A2432-MS1)			Source: Y401586-02		Prepared: 01/24/2024 Analyzed: 01/26/2024					
Arsenic	9.42	0.0899	mg/kg	4.49	6.25	70.6	75-125			QM-07
Barium	692	8.99	"	449	190	112	75-125			
Cadmium	4.95	0.0899	"	4.49	0.264	104	75-125			
Copper	51.5	8.99	"	44.9	13.7	84.2	75-125			
Lead	18.5	0.899	"	4.49	14.0	100	75-125			
Nickel	17.9	0.899	"	4.49	15.4	55.9	75-125			QM-07
Selenium	3.74	0.0899	"	4.49	0.231	78.1	75-125			
Silver	4.22	0.0899	"	4.49	0.0664	92.5	75-125			
Zinc	86.7	8.99	"	44.9	53.3	74.2	75-125			QM-07
Matrix Spike Dup (B4A2432-MSD1)			Source: Y401586-02		Prepared: 01/24/2024 Analyzed: 01/26/2024					
Arsenic	10.2	0.0910	mg/kg	4.55	6.25	86.3	75-125	7.69	20	
Barium	725	9.10	"	455	190	118	75-125	4.59	20	
Cadmium	5.22	0.0910	"	4.55	0.264	109	75-125	5.34	20	
Copper	53.8	9.10	"	45.5	13.7	88.2	75-125	4.35	20	
Lead	19.7	0.910	"	4.55	14.0	125	75-125	6.18	20	
Nickel	19.0	0.910	"	4.55	15.4	79.0	75-125	5.87	20	
Selenium	3.74	0.0910	"	4.55	0.231	77.2	75-125	0.124	20	
Silver	4.46	0.0910	"	4.55	0.0664	96.5	75-125	5.36	20	
Zinc	92.1	9.10	"	45.5	53.3	85.3	75-125	6.08	20	

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Dan Coloccia
Project Number: [none]
Project: KMG - Canepa 6-21

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 B4A2433 - EPA 3580

Blank (B4A2433-BLK1)

Prepared: 01/24/2024 Analyzed: 01/24/2024

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		96.0	60-130			
Surrogate: Pyrene-d10	200		"	200		98.2	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		100	60-130			

LCS (B4A2433-BS1)

Prepared: 01/24/2024 Analyzed: 01/24/2024

1-Methylnaphthalene	0.190	0.002	mg/kg	0.200		95.0	70-130			
2-Methylnaphthalene	0.190	0.002	"	0.200		94.9	70-130			
Acenaphthene	0.186	0.020	"	0.200		93.0	70-130			
Anthracene	0.174	0.020	"	0.200		87.0	70-130			

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Dan Coloccia
Project Number: [none]
Project: KMG - Canepa 6-21

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 B4A2433 - EPA 3580

LCS (B4A2433-BS1)

Prepared: 01/24/2024 Analyzed: 01/24/2024

Benzo (a) anthracene	0.189	0.005	mg/kg	0.200		94.3	70-130
Benzo (a) pyrene	0.201	0.020	"	0.200		101	70-130
Benzo (b) fluoranthene	0.194	0.020	"	0.200		97.2	70-130
Benzo (g,h,i) perylene	0.193	0.020	"	0.200		96.6	70-130
Benzo (k) fluoranthene	0.190	0.020	"	0.200		95.2	70-130
Chrysene	0.185	0.020	"	0.200		92.7	70-130
Dibenz (a,h) anthracene	0.195	0.020	"	0.200		97.6	70-130
Fluoranthene	0.186	0.020	"	0.200		93.2	70-130
Fluorene	0.188	0.020	"	0.200		94.0	70-130
Indeno (1,2,3-cd) pyrene	0.196	0.020	"	0.200		98.0	70-130
Naphthalene	0.192	0.002	"	0.200		96.0	70-130
Phenanthrene	0.181	0.020	"	0.200		90.7	70-130
Pyrene	0.186	0.020	"	0.200		93.0	70-130
Surrogate: Fluorene-d10	200		ug/kg	200		100	60-130
Surrogate: Anthracene-d10	190		"	200		96.4	60-130
Surrogate: Pyrene-d10	200		"	200		99.1	60-130
Surrogate: Benzo (a) pyrene-d12	200		"	200		102	60-130

Matrix Spike (B4A2433-MS1)

Source: Y401585-02

Prepared: 01/24/2024 Analyzed: 01/24/2024

1-Methylnaphthalene	0.186	0.002	mg/kg	0.200	ND	93.0	70-130
2-Methylnaphthalene	0.185	0.002	"	0.200	ND	92.7	70-130
Acenaphthene	0.183	0.020	"	0.200	ND	91.4	70-130
Anthracene	0.164	0.020	"	0.200	ND	81.9	70-130
Benzo (a) anthracene	0.195	0.005	"	0.200	ND	97.7	70-130
Benzo (a) pyrene	0.185	0.020	"	0.200	ND	92.3	70-130
Benzo (b) fluoranthene	0.190	0.020	"	0.200	ND	94.9	70-130
Benzo (g,h,i) perylene	0.191	0.020	"	0.200	ND	95.4	70-130

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Dan Coloccia
Project Number: [none]
Project: KMG - Canepa 6-21

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 B4A2433 - EPA 3580

Matrix Spike (B4A2433-MS1)		Source: Y401585-02			Prepared: 01/24/2024 Analyzed: 01/24/2024					
Benzo (k) fluoranthene	0.203	0.020	mg/kg	0.200	ND	102	70-130			
Chrysene	0.178	0.020	"	0.200	ND	88.8	70-130			
Dibenz (a,h) anthracene	0.193	0.020	"	0.200	ND	96.7	70-130			
Fluoranthene	0.181	0.020	"	0.200	ND	90.4	70-130			
Fluorene	0.183	0.020	"	0.200	ND	91.5	70-130			
Indeno (1,2,3-cd) pyrene	0.194	0.020	"	0.200	ND	97.2	70-130			
Naphthalene	0.187	0.002	"	0.200	ND	93.5	70-130			
Phenanthrene	0.177	0.020	"	0.200	ND	88.7	70-130			
Pyrene	0.184	0.020	"	0.200	ND	91.8	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		99.9	60-130			
Surrogate: Anthracene-d10	190		"	200		96.8	60-130			
Surrogate: Pyrene-d10	200		"	200		100	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		102	60-130			

Matrix Spike Dup (B4A2433-MSD1)		Source: Y401585-02			Prepared: 01/24/2024 Analyzed: 01/24/2024					
1-Methylnaphthalene	0.190	0.002	mg/kg	0.200	ND	95.1	70-130	2.31	20	
2-Methylnaphthalene	0.190	0.002	"	0.200	ND	94.9	70-130	2.41	20	
Acenaphthene	0.187	0.020	"	0.200	ND	93.6	70-130	2.36	20	
Anthracene	0.173	0.020	"	0.200	ND	86.4	70-130	5.39	20	
Benzo (a) anthracene	0.183	0.005	"	0.200	ND	91.6	70-130	6.51	20	
Benzo (a) pyrene	0.199	0.020	"	0.200	ND	99.4	70-130	7.38	20	
Benzo (b) fluoranthene	0.190	0.020	"	0.200	ND	95.0	70-130	0.0821	20	
Benzo (g,h,i) perylene	0.195	0.020	"	0.200	ND	97.3	70-130	1.93	20	
Benzo (k) fluoranthene	0.189	0.020	"	0.200	ND	94.5	70-130	7.19	20	
Chrysene	0.195	0.020	"	0.200	ND	97.5	70-130	9.38	20	
Dibenz (a,h) anthracene	0.197	0.020	"	0.200	ND	98.5	70-130	1.79	20	
Fluoranthene	0.182	0.020	"	0.200	ND	91.0	70-130	0.672	20	

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Dan Coloccia
Project Number: [none]
Project: KMG - Canepa 6-21

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
Batch B4A2433 - EPA 3580										
Matrix Spike Dup (B4A2433-MSD1)			Source: Y401585-02		Prepared: 01/24/2024 Analyzed: 01/24/2024					
Fluorene	0.187	0.020	mg/kg	0.200	ND	93.4	70-130	2.12	20	
Indeno (1,2,3-cd) pyrene	0.197	0.020	"	0.200	ND	98.4	70-130	1.23	20	
Naphthalene	0.192	0.002	"	0.200	ND	96.2	70-130	2.82	20	
Phenanthrene	0.184	0.020	"	0.200	ND	91.8	70-130	3.43	20	
Pyrene	0.184	0.020	"	0.200	ND	91.8	70-130	0.0597	20	
Surrogate: Fluorene-d10	200		ug/kg	200		100	60-130			
Surrogate: Anthracene-d10	200		"	200		97.8	60-130			
Surrogate: Pyrene-d10	190		"	200		97.4	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		101	60-130			

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Dan Coloccia
Project Number: [none]
Project: KMG - Canepa 6-21

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 B4A2507 - DTPA Sorbitol Preparation										
Blank (B4A2507-BLK1)					Prepared: 01/25/2024 Analyzed: 01/26/2024					
Boron	ND	0.100	mg/L							
Duplicate (B4A2507-DUP1)					Source: Y401586-05 Prepared: 01/25/2024 Analyzed: 01/26/2024					
Boron	3.10	0.0995	mg/L		3.01			2.98	50	
Batch B4A2512 - Saturated Paste Metals										
Blank (B4A2512-BLK1)					Prepared: 01/25/2024 Analyzed: 01/26/2024					
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 (B4A2512-DUP1)					Source: Y401587-01 Prepared: 01/25/2024 Analyzed: 01/26/2024					
Calcium PPM	90.4	10.0	mg/L		96.0			5.97	50	
SAR	ND	0.0100	SAR		1.47				200	
Magnesium PPM	72.2	10.0	mg/L		77.4			6.96	50	
Sodium PPM	75.5	10.0	"		79.6			5.32	50	

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Project Number: [none]
Project: KMG - Canepa 6-21

Saturated Paste - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4A2517 - Saturated Paste pH/EC										
Blank (B4A2517-BLK1)					Prepared: 01/25/2024 Analyzed: 01/26/2024					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							
Duplicate (B4A2517-DUP1)					Source: Y401587-01 Prepared: 01/25/2024 Analyzed: 01/26/2024					
pH	8.37		pH Units		8.36			0.120	25	
Specific Conductance (EC)	1.42	0.00500	mmhos/cm		1.50			5.34	25	

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Project: KMG - Canepa 6-21

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 L730190 -										
DUP (L 89047-DUP)		Source: Y401588-02			Prepared: Analyzed: 02/01/2024					
Chromium, Hexavalent	ND	0.5	mg/Kg		<0.500	-		0	20	
MS (L 89047-MS)		Source: Y401588-02			Prepared: Analyzed: 02/01/2024					
Chromium, Hexavalent	32.3	2.54	mg/Kg	40.6	< 0.244	80	75-125			
LCS (LCS)					Prepared: Analyzed: 02/01/2024					
Chromium, Hexavalent	6.13	0.5	mg/Kg	8		77	75-125			
LRB (LRB)					Prepared: Analyzed: 02/01/2024					
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, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Canepa 6-21

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.

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.

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.



February 07, 2024

Eagle Environmental Consulting, LLC

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - Canepa 6-21

Project Number - [none]

Attached are your analytical results for KMG - Canepa 6-21 received by Origins Laboratory, Inc. January 25, 2024. This project is associated with Origins project number Y401636-01.

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 - Canepa 6-21

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-B01@6'	Y401636-01	Soil	January 25, 2024 14:00	01/25/2024 16:59
FL-B05@4'	Y401636-02	Soil	January 25, 2024 14:10	01/25/2024 16:59
WH-BG01@3'	Y401636-03	Soil	January 25, 2024 14:12	01/25/2024 16:59
WH-BG01@6'	Y401636-04	Soil	January 25, 2024 14:14	01/25/2024 16:59
WH-BG02@3'	Y401636-05	Soil	January 25, 2024 14:16	01/25/2024 16:59
WH-BG02@6'	Y401636-06	Soil	January 25, 2024 14:18	01/25/2024 16:59
WH-BG03@3'	Y401636-07	Soil	January 25, 2024 14:20	01/25/2024 16:59
WH-BG03@6'	Y401636-08	Soil	January 25, 2024 14:22	01/25/2024 16:59

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 - Canepa 6-21

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 44016210

Client: Eagle

Client Project ID: Canepa 6-21

Checklist Completed by: EHS

Shipped Via: HD

Date/time completed: 1/25/24

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

Airbill #: N/A

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

Cooler Number/Temperature: 1/17 °C 1 °C 1 °C (Describe) °C

Thermometer ID: 7004

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

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 - Canepa 6-21

WH-B01@6'
1/25/2024 2:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401636-01 (Soil)

Boron (DTPA Sorbitol)

Boron	1.31	0.101	mg/L	1	B4A2611	01/26/2024	01/29/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4A2540	01/25/2024	01/26/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	108 %	50-150	"	"	"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4A2539	"	01/25/2024	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	109 %	70-130	"	"	"	"	"	
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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 - Canepa 6-21

WH-B01@6'
1/25/2024 2:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401636-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	99.6 %	70-130	B4A2539	01/25/2024	01/25/2024
Surrogate: 4-Bromofluorobenzene	93.8 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	26.8	0.499	meq/L	10	[CALC]	01/26/2024	01/29/2024
Magnesium	9.76	0.823	"	"	"	"	"
Sodium	8.22	0.435	"	"	"	"	"

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4A2538	01/25/2024	01/26/2024	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 (k) fluoranthene	ND	0.020	"	"	"	"	"	U
Chrysene	ND	0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	U
Fluoranthene	ND	0.020	"	"	"	"	"	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 - Canepa 6-21

WH-B01@6'
1/25/2024 2:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401636-01 (Soil)

PAH by EPA 8270E

Fluorene	ND	0.020	mg/kg	1	B4A2538	01/25/2024	01/26/2024	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	U
Naphthalene	ND	0.002	"	"	"	"	"	U
Pyrene	ND	0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	99.3 %	60-130	"	"	"
Surrogate: Anthracene-d10	103 %	60-130	"	"	"
Surrogate: Pyrene-d10	115 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	108 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.02	pH Units	1	B4A2615	01/26/2024	01/27/2024
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SAR by 20B Saturated Paste

SAR	1.92	0.0100	SAR	1	B4A2607	01/26/2024	01/29/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	3.02	0.00500	mmhos/cm	1	B4A2615	01/26/2024	01/27/2024
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Table 915 metals by EPA 6020B

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 - Canepa 6-21

WH-B01@6'
1/25/2024 2:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401636-01 (Soil)

Table 915 metals by EPA 6020B

Arsenic	6.29	0.0848	mg/kg	10	B4A2537	01/25/2024	01/29/2024
Barium	116	8.48	"	"	"	"	"
Cadmium	0.128	0.0848	"	"	"	"	"
Copper	11.3	8.48	"	"	"	"	"
Lead	8.99	0.848	"	"	"	"	"
Nickel	13.6	0.848	"	"	"	"	"
Selenium	0.198	0.0848	"	"	"	"	"
Silver	ND	0.0848	"	"	"	"	"
Zinc	46.4	8.48	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L731003	01/25/2024	02/05/2024
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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 - Canepa 6-21

FL-B05@4'
1/25/2024 2:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401636-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.586	0.0991	mg/L	1	B4A2611	01/26/2024	01/29/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4A2540	01/25/2024	01/26/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	87.6 %	50-150	"	"	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4A2539	"	01/25/2024	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	112 %	70-130	"	"	"	"	"
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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 - Canepa 6-21

FL-B05@4'

1/25/2024 2:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401636-02 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	99.4 %	70-130				B4A2539	01/25/2024	01/25/2024	
Surrogate: 4-Bromofluorobenzene	94.3 %	70-130				"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	2.27	0.499	meq/L	10	[CALC]	01/26/2024	01/29/2024	
Magnesium	2.23	0.823	"	"	"	"	"	
Sodium	0.920	0.435	"	"	"	"	"	

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4A2538	01/25/2024	01/26/2024	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 (k) fluoranthene	ND	0.020	"	"	"	"	"	U
Chrysene	ND	0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	U
Fluoranthene	ND	0.020	"	"	"	"	"	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 - Canepa 6-21

FL-B05@4'

1/25/2024 2:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401636-02 (Soil)

PAH by EPA 8270E

Fluorene	ND	0.020	mg/kg	1	B4A2538	01/25/2024	01/26/2024	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	U
Naphthalene	ND	0.002	"	"	"	"	"	U
Pyrene	ND	0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	98.2 %	60-130	"	"	"
Surrogate: Anthracene-d10	105 %	60-130	"	"	"
Surrogate: Pyrene-d10	112 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	121 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.38	pH Units	1	B4A2615	01/26/2024	01/27/2024
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SAR by 20B Saturated Paste

SAR	0.614	0.0100	SAR	1	B4A2607	01/26/2024	01/29/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.598	0.00500	mmhos/cm	1	B4A2615	01/26/2024	01/27/2024
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Table 915 metals by EPA 6020B

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 - Canepa 6-21

FL-B05@4'

1/25/2024 2:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401636-02 (Soil)

Table 915 metals by EPA 6020B

Arsenic	6.18	0.0903	mg/kg	10	B4A2537	01/25/2024	01/29/2024
Barium	172	9.03	"	"	"	"	"
Cadmium	0.246	0.0903	"	"	"	"	"
Copper	14.7	9.03	"	"	"	"	"
Lead	11.6	0.903	"	"	"	"	"
Nickel	16.8	0.903	"	"	"	"	"
Selenium	0.230	0.0903	"	"	"	"	"
Silver	ND	0.0903	"	"	"	"	"
Zinc	59.8	9.03	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L731003	01/25/2024	02/05/2024
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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 - Canepa 6-21

WH-BG01@3'
1/25/2024 2:12:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401636-03 (Soil)

Boron (DTPA Sorbitol)

Boron	1.22	0.101	mg/L	1	B4A2611	01/26/2024	01/29/2024
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Metals by Saturated Paste by EPA 6010

Calcium	16.6	0.499	meq/L	10	[CALC]	01/26/2024	01/29/2024
Magnesium	20.6	0.823	"	"	"	"	"
Sodium	11.8	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	8.19		pH Units	1	B4A2615	01/26/2024	01/27/2024
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SAR by 20B Saturated Paste

SAR	2.74	0.0100	SAR	1	B4A2607	01/26/2024	01/29/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	3.32	0.00500	mmhos/cm	1	B4A2615	01/26/2024	01/27/2024
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Table 915 metals by EPA 6020B

Arsenic	6.20	0.0923	mg/kg	10	B4A2537	01/25/2024	01/29/2024
Barium	158	9.23	"	"	"	"	"
Cadmium	0.210	0.0923	"	"	"	"	"
Copper	12.5	9.23	"	"	"	"	"

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 - Canepa 6-21

WH-BG01@3'

1/25/2024 2:12:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401636-03 (Soil)

Table 915 metals by EPA 6020B

Lead	10.1	0.923	mg/kg	10	B4A2537	01/25/2024	01/29/2024
Nickel	15.9	0.923	"	"	"	"	"
Selenium	0.244	0.0923	"	"	"	"	"
Silver	ND	0.0923	"	"	"	"	"
Zinc	54.3	9.23	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L731005	01/25/2024	02/06/2024
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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 - Canepa 6-21

WH-BG01@6'
1/25/2024 2:14:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401636-04 (Soil)

Boron (DTPA Sorbitol)

Boron	1.70	0.102	mg/L	1	B4A2611	01/26/2024	01/29/2024
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Metals by Saturated Paste by EPA 6010

Calcium	12.7	0.499	meq/L	10	[CALC]	01/26/2024	01/29/2024
Magnesium	16.3	0.823	"	"	"	"	"
Sodium	10.7	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	8.21		pH Units	1	B4A2615	01/26/2024	01/27/2024
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SAR by 20B Saturated Paste

SAR	2.82	0.0100	SAR	1	B4A2607	01/26/2024	01/29/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	2.97	0.00500	mmhos/cm	1	B4A2615	01/26/2024	01/27/2024
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Table 915 metals by EPA 6020B

Arsenic	5.83	0.0965	mg/kg	10	B4A2537	01/25/2024	01/29/2024
Barium	132	9.65	"	"	"	"	"
Cadmium	0.183	0.0965	"	"	"	"	"
Copper	11.9	9.65	"	"	"	"	"

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 - Canepa 6-21

WH-BG01@6'

1/25/2024 2:14:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401636-04 (Soil)

Table 915 metals by EPA 6020B

Lead	9.43	0.965	mg/kg	10	B4A2537	01/25/2024	01/29/2024
Nickel	14.6	0.965	"	"	"	"	"
Selenium	0.221	0.0965	"	"	"	"	"
Silver	ND	0.0965	"	"	"	"	"
Zinc	49.1	9.65	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L731005	01/25/2024	02/06/2024
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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 - Canepa 6-21

WH-BG02@3'

1/25/2024 2:16:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401636-05 (Soil)

Boron (DTPA Sorbitol)

Boron	0.892	0.101	mg/L	1	B4A2611	01/26/2024	01/29/2024
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Metals by Saturated Paste by EPA 6010

Calcium	3.34	0.499	meq/L	10	[CALC]	01/26/2024	01/29/2024
Magnesium	4.45	0.823	"	"	"	"	"
Sodium	5.47	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	8.44		pH Units	1	B4A2615	01/26/2024	01/27/2024
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SAR by 20B Saturated Paste

SAR	2.77	0.0100	SAR	1	B4A2607	01/26/2024	01/29/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.28	0.00500	mmhos/cm	1	B4A2615	01/26/2024	01/27/2024
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Table 915 metals by EPA 6020B

Arsenic	6.57	0.0976	mg/kg	10	B4A2541	01/25/2024	01/29/2024
Barium	148	9.76	"	"	"	"	"
Cadmium	0.222	0.0976	"	"	"	"	"
Copper	14.8	9.76	"	"	"	"	"

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 - Canepa 6-21

WH-BG02@3'

1/25/2024 2:16:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401636-05 (Soil)

Table 915 metals by EPA 6020B

Lead	11.4	0.976	mg/kg	10	B4A2541	01/25/2024	01/29/2024
Nickel	18.1	0.976	"	"	"	"	"
Selenium	0.207	0.0976	"	"	"	"	"
Silver	ND	0.0976	"	"	"	"	"
Zinc	59.3	9.76	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L731005	01/25/2024	02/06/2024
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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 - Canepa 6-21

WH-BG02@6'

1/25/2024 2:18:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401636-06 (Soil)

Boron (DTPA Sorbitol)

Boron	1.80	0.101	mg/L	1	B4A2611	01/26/2024	01/29/2024
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Metals by Saturated Paste by EPA 6010

Calcium	10.1	0.499	meq/L	10	[CALC]	01/26/2024	01/29/2024
Magnesium	14.0	0.823	"	"	"	"	"
Sodium	10.1	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	8.21		pH Units	1	B4A2615	01/26/2024	01/27/2024
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SAR by 20B Saturated Paste

SAR	2.90	0.0100	SAR	1	B4A2607	01/26/2024	01/29/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	2.60	0.00500	mmhos/cm	1	B4A2615	01/26/2024	01/27/2024
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Table 915 metals by EPA 6020B

Arsenic	6.86	0.0946	mg/kg	10	B4A2541	01/25/2024	01/29/2024
Barium	158	9.46	"	"	"	"	"
Cadmium	0.190	0.0946	"	"	"	"	"
Copper	13.5	9.46	"	"	"	"	"

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 - Canepa 6-21

WH-BG02@6'

1/25/2024 2:18:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401636-06 (Soil)

Table 915 metals by EPA 6020B

Lead	11.0	0.946	mg/kg	10	B4A2541	01/25/2024	01/29/2024
Nickel	16.4	0.946	"	"	"	"	"
Selenium	0.189	0.0946	"	"	"	"	"
Silver	ND	0.0946	"	"	"	"	"
Zinc	57.5	9.46	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L731005	01/25/2024	02/06/2024
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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 - Canepa 6-21

WH-BG03@3'
1/25/2024 2:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401636-07 (Soil)

Boron (DTPA Sorbitol)

Boron	1.30	0.101	mg/L	1	B4A2611	01/26/2024	01/29/2024
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Metals by Saturated Paste by EPA 6010

Calcium	10.5	0.499	meq/L	10	[CALC]	01/26/2024	01/29/2024
Magnesium	20.4	0.823	"	"	"	"	"
Sodium	11.2	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	8.33		pH Units	1	B4A2615	01/26/2024	01/27/2024
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SAR by 20B Saturated Paste

SAR	2.85	0.0100	SAR	1	B4A2607	01/26/2024	01/29/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	3.13	0.00500	mmhos/cm	1	B4A2615	01/26/2024	01/27/2024
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Table 915 metals by EPA 6020B

Arsenic	6.24	0.0979	mg/kg	10	B4A2541	01/25/2024	01/29/2024
Barium	202	9.79	"	"	"	"	"
Cadmium	0.227	0.0979	"	"	"	"	"
Copper	13.9	9.79	"	"	"	"	"

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 - Canepa 6-21

WH-BG03@3'

1/25/2024 2:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401636-07 (Soil)

Table 915 metals by EPA 6020B

Lead	10.9	0.979	mg/kg	10	B4A2541	01/25/2024	01/29/2024
Nickel	17.0	0.979	"	"	"	"	"
Selenium	0.244	0.0979	"	"	"	"	"
Silver	ND	0.0979	"	"	"	"	"
Zinc	56.6	9.79	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L731005	01/25/2024	02/06/2024
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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 - Canepa 6-21

WH-BG03@6'
1/25/2024 2:22:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401636-08 (Soil)

Boron (DTPA Sorbitol)

Boron	1.49	0.0994	mg/L	1	B4A2611	01/26/2024	01/29/2024
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Metals by Saturated Paste by EPA 6010

Calcium	10.3	0.499	meq/L	10	[CALC]	01/26/2024	01/29/2024
Magnesium	13.0	0.823	"	"	"	"	"
Sodium	8.05	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	8.26		pH Units	1	B4A2615	01/26/2024	01/27/2024
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SAR by 20B Saturated Paste

SAR	2.36	0.0100	SAR	1	B4A2607	01/26/2024	01/29/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	2.43	0.00500	mmhos/cm	1	B4A2615	01/26/2024	01/27/2024
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Table 915 metals by EPA 6020B

Arsenic	6.36	0.0881	mg/kg	10	B4A2541	01/25/2024	01/29/2024
Barium	144	8.81	"	"	"	"	"
Cadmium	0.201	0.0881	"	"	"	"	"
Copper	12.4	8.81	"	"	"	"	"

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 - Canepa 6-21

WH-BG03@6'

1/25/2024 2:22:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401636-08 (Soil)

Table 915 metals by EPA 6020B

Lead	9.71	0.881	mg/kg	10	B4A2541	01/25/2024	01/29/2024
Nickel	15.1	0.881	"	"	"	"	"
Selenium	0.197	0.0881	"	"	"	"	"
Silver	ND	0.0881	"	"	"	"	"
Zinc	50.1	8.81	"	"	"	"	"

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L731005	01/25/2024	02/06/2024
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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 - Canepa 6-21

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 B4A2539 - EPA 5030 (soil)										
Blank (B4A2539-BLK1)					Prepared: 01/25/2024 Analyzed: 01/25/2024					
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	107		70-130			
Surrogate: Toluene-d8	0.13		"	0.125	100		70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125	94.4		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 - Canepa 6-21

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 B4A2539 - EPA 5030 (soil)										
LCS (B4A2539-BS1)					Prepared: 01/25/2024 Analyzed: 01/25/2024					
1,2,4-Trimethylbenzene	0.112	0.00200	mg/kg	0.100		112	70-130			
1,3,5-Trimethylbenzene	0.113	0.00200	"	0.100		113	70-130			
Benzene	0.107	0.00200	"	0.100		107	70-130			
Ethylbenzene	0.112	0.00200	"	0.100		112	70-130			
Naphthalene	0.114	0.00380	"	0.100		114	70-130			
Toluene	0.107	0.00200	"	0.100		107	70-130			
o-Xylene	0.111	0.00200	"	0.100		111	70-130			
m,p-Xylene	0.218	0.00400	"	0.200		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		104	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.8	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		100	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 - Canepa 6-21

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 B4A2539 - EPA 5030 (soil)										
Matrix Spike (B4A2539-MS1)		Source: Y401635-01			Prepared: 01/25/2024 Analyzed: 01/25/2024					
1,2,4-Trimethylbenzene	0.116	0.00200	mg/kg	0.100	ND	116	70-130			
1,3,5-Trimethylbenzene	0.115	0.00200	"	0.100	ND	115	70-130			
Benzene	0.105	0.00200	"	0.100	ND	105	70-130			
Ethylbenzene	0.114	0.00200	"	0.100	ND	114	70-130			
Naphthalene	0.119	0.00380	"	0.100	ND	119	70-130			
Toluene	0.107	0.00200	"	0.100	ND	107	70-130			
o-Xylene	0.113	0.00200	"	0.100	ND	113	70-130			
m,p-Xylene	0.220	0.00400	"	0.200	ND	110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		110	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	70-130			

Origins Laboratory, Inc.



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8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Canepa 6-21

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 B4A2539 - EPA 5030 (soil)										
Matrix Spike Dup (B4A2539-MSD1)			Source: Y401635-01		Prepared: 01/25/2024 Analyzed: 01/25/2024					
1,2,4-Trimethylbenzene	0.111	0.00200	mg/kg	0.100	ND	111	70-130	4.34	20	
1,3,5-Trimethylbenzene	0.112	0.00200	"	0.100	ND	112	70-130	2.54	20	
Benzene	0.102	0.00200	"	0.100	ND	102	70-130	2.83	20	
Ethylbenzene	0.110	0.00200	"	0.100	ND	110	70-130	3.02	20	
Naphthalene	0.118	0.00380	"	0.100	ND	118	70-130	0.776	20	
Toluene	0.104	0.00200	"	0.100	ND	104	70-130	2.32	20	
o-Xylene	0.110	0.00200	"	0.100	ND	110	70-130	3.12	20	
m,p-Xylene	0.215	0.00400	"	0.200	ND	107	70-130	2.65	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		107	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		100	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 - Canepa 6-21

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 B4A2540 - EPA 3550B										
Blank (B4A2540-BLK1)					Prepared: 01/25/2024 Analyzed: 01/26/2024					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	23		"	24.9		92.4	50-150			

Origins Laboratory, Inc.



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8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Canepa 6-21

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 B4A2540 - EPA 3550B

LCS (B4A2540-BS1)

Prepared: 01/25/2024 Analyzed: 01/26/2024

Diesel (C10-C28)	945	50.0	mg/kg	1000		94.5	70-130			
Residual Range Organics (C28-C40)	1010	200	"	1000		101	70-130			
Surrogate: o-Terphenyl	56		"	49.8		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 - Canepa 6-21

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 B4A2540 - EPA 3550B										
Matrix Spike (B4A2540-MS1)		Source: Y401636-01			Prepared: 01/25/2024 Analyzed: 01/26/2024					
Diesel (C10-C28)	1040	50.0	mg/kg	1000	ND	104	70-130			
Residual Range Organics (C28-C40)	1140	200	"	1000	ND	114	70-130			
Surrogate: o-Terphenyl	50		"	49.8		101	50-150			

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Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Canepa 6-21

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 B4A2540 - EPA 3550B										
Matrix Spike Dup (B4A2540-MSD1)		Source: Y401636-01			Prepared: 01/25/2024 Analyzed: 01/26/2024					
Diesel (C10-C28)	943	50.0	mg/kg	1000	ND	94.3	70-130	10.0	35	
Residual Range Organics (C28-C40)	1050	200	"	1000	ND	105	70-130	8.18	35	
Surrogate: o-Terphenyl	59		"	49.8		119	50-150			

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Dan Coloccia
Project Number: [none]
Project: KMG - Canepa 6-21

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 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 B4A2537 - EPA 3050B

Blank (B4A2537-BLK1)

Prepared: 01/25/2024 Analyzed: 02/01/2024

Arsenic	ND	0.0100	mg/kg
Barium	ND	1.00	"
Cadmium	ND	0.0100	"
Copper	ND	1.00	"
Lead	ND	0.100	"
Nickel	ND	0.100	"
Selenium	ND	0.0100	"
Silver	ND	0.0100	"
Zinc	ND	1.00	"

LCS (B4A2537-BS1)

Prepared: 01/25/2024 Analyzed: 01/29/2024

Arsenic	5.56	0.0100	mg/kg	5.00	111	80-120
Barium	493	1.00	"	500	98.6	80-120
Cadmium	4.95	0.0100	"	5.00	98.9	80-120
Copper	54.2	1.00	"	50.0	108	80-120
Lead	4.99	0.100	"	5.00	99.9	80-120
Nickel	5.44	0.100	"	5.00	109	80-120
Selenium	4.85	0.0100	"	5.00	97.0	80-120
Silver	5.69	0.0100	"	5.00	114	80-120
Zinc	54.8	1.00	"	50.0	110	80-120

Matrix Spike (B4A2537-MS1)

Source: Y401632-03

Prepared: 01/25/2024 Analyzed: 01/29/2024

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Dan Coloccia
Project Number: [none]
Project: KMG - Canepa 6-21

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 B4A2537 - EPA 3050B

Matrix Spike (B4A2537-MS1)		Source: Y401632-03			Prepared: 01/25/2024 Analyzed: 01/29/2024					
Arsenic	10.7	0.0949	mg/kg	4.75	5.05	120	75-125			
Barium	683	9.49	"	475	130	117	75-125			
Cadmium	5.42	0.0949	"	4.75	0.205	110	75-125			
Copper	72.1	9.49	"	47.5	14.2	122	75-125			
Lead	16.5	0.949	"	4.75	11.6	103	75-125			
Nickel	22.2	0.949	"	4.75	12.6	203	75-125			QM-07
Selenium	5.40	0.0949	"	4.75	0.294	108	75-125			
Silver	5.75	0.0949	"	4.75	0.0620	120	75-125			
Zinc	117	9.49	"	47.5	57.4	127	75-125			QM-07

Matrix Spike Dup (B4A2537-MSD1)		Source: Y401632-03			Prepared: 01/25/2024 Analyzed: 01/29/2024					
Arsenic	10.8	0.0944	mg/kg	4.72	5.05	121	75-125	0.405	20	
Barium	651	9.44	"	472	130	110	75-125	4.79	20	
Cadmium	5.29	0.0944	"	4.72	0.205	108	75-125	2.40	20	
Copper	68.8	9.44	"	47.2	14.2	116	75-125	4.64	20	
Lead	16.9	0.944	"	4.72	11.6	111	75-125	2.19	20	
Nickel	18.3	0.944	"	4.72	12.6	120	75-125	19.5	20	
Selenium	5.23	0.0944	"	4.72	0.294	105	75-125	3.20	20	
Silver	5.60	0.0944	"	4.72	0.0620	117	75-125	2.71	20	
Zinc	110	9.44	"	47.2	57.4	112	75-125	6.22	20	

Batch B4A2541 - EPA 3050B

Blank (B4A2541-BLK1)		Prepared: 01/25/2024 Analyzed: 02/01/2024								
Arsenic	ND	0.0100	mg/kg							
Barium	ND	1.00	"							
Cadmium	ND	0.0100	"							

Origins Laboratory, Inc.



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Project: KMG - Canepa 6-21

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 B4A2541 - EPA 3050B

Blank (B4A2541-BLK1)

Prepared: 01/25/2024 Analyzed: 01/29/2024

Copper	ND	1.00	mg/kg
Lead	ND	0.100	"
Nickel	ND	0.100	"
Selenium	ND	0.0100	"
Silver	ND	0.0100	"
Zinc	ND	1.00	"

LCS (B4A2541-BS1)

Prepared: 01/25/2024 Analyzed: 01/29/2024

Arsenic	5.46	0.0100	mg/kg	5.00	109	80-120
Barium	492	1.00	"	500	98.5	80-120
Cadmium	4.94	0.0100	"	5.00	98.8	80-120
Copper	53.3	1.00	"	50.0	107	80-120
Lead	4.97	0.100	"	5.00	99.3	80-120
Nickel	5.33	0.100	"	5.00	107	80-120
Selenium	4.64	0.0100	"	5.00	92.8	80-120
Silver	5.62	0.0100	"	5.00	112	80-120
Zinc	51.3	1.00	"	50.0	103	80-120

Matrix Spike (B4A2541-MS1)

Source: Y401637-07

Prepared: 01/25/2024 Analyzed: 01/29/2024

Arsenic	12.0	0.0988	mg/kg	4.94	7.46	91.3	75-125
Barium	715	9.88	"	494	187	107	75-125
Cadmium	5.50	0.0988	"	4.94	0.209	107	75-125
Copper	67.2	9.88	"	49.4	14.8	106	75-125
Lead	15.6	0.988	"	4.94	11.8	77.7	75-125
Nickel	22.4	0.988	"	4.94	19.1	66.8	75-125
Selenium	5.18	0.0988	"	4.94	0.244	99.9	75-125
Silver	5.87	0.0988	"	4.94	0.0872	117	75-125

QM-07

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Dan Coloccia
Project Number: [none]
Project: KMG - Canepa 6-21

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 B4A2541 - EPA 3050B										
Matrix Spike (B4A2541-MS1)		Source: Y401637-07			Prepared: 01/25/2024 Analyzed: 01/29/2024					
Zinc	112	9.88	mg/kg	49.4	59.1	106	75-125			
Matrix Spike Dup (B4A2541-MSD1)		Source: Y401637-07			Prepared: 01/25/2024 Analyzed: 02/01/2024					
Arsenic	10.6	0.0926	mg/kg	4.63	7.46	68.6	75-125	11.8	20	QM-07
Barium	655	9.26	"	463	187	101	75-125	8.70	20	
Cadmium	5.00	0.0926	"	4.63	0.209	103	75-125	9.42	20	
Copper	60.3	9.26	"	46.3	14.8	98.3	75-125	10.8	20	
Lead	15.7	0.926	"	4.63	11.8	84.4	75-125	0.453	20	
Nickel	19.6	0.926	"	4.63	19.1	11.7	75-125	13.1	20	QM-07
Selenium	4.75	0.0926	"	4.63	0.244	97.3	75-125	8.68	20	
Silver	5.18	0.0926	"	4.63	0.0872	110	75-125	12.5	20	
Zinc	103	9.26	"	46.3	59.1	95.4	75-125	7.78	20	

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Dan Coloccia
Project Number: [none]
Project: KMG - Canepa 6-21

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 B4A2538 - EPA 3580

Blank (B4A2538-BLK1)

Prepared: 01/25/2024 Analyzed: 01/26/2024

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		101	60-130			
Surrogate: Anthracene-d10	220		"	200		110	60-130			
Surrogate: Pyrene-d10	200		"	200		101	60-130			
Surrogate: Benzo (a) pyrene-d12	230		"	200		114	60-130			

LCS (B4A2538-BS1)

Prepared: 01/25/2024 Analyzed: 01/25/2024

1-Methylnaphthalene	0.162	0.002	mg/kg	0.200		80.8	70-130
2-Methylnaphthalene	0.168	0.002	"	0.200		84.1	70-130
Acenaphthene	0.160	0.020	"	0.200		80.1	70-130
Anthracene	0.173	0.020	"	0.200		86.4	70-130

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Dan Coloccia
Project Number: [none]
Project: KMG - Canepa 6-21

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 B4A2538 - EPA 3580

LCS (B4A2538-BS1)

Prepared: 01/25/2024 Analyzed: 01/25/2024

Benzo (a) anthracene	0.166	0.005	mg/kg	0.200		83.0	70-130
Benzo (a) pyrene	0.185	0.020	"	0.200		92.6	70-130
Benzo (b) fluoranthene	0.195	0.020	"	0.200		97.3	70-130
Benzo (g,h,i) perylene	0.202	0.020	"	0.200		101	70-130
Benzo (k) fluoranthene	0.185	0.020	"	0.200		92.4	70-130
Chrysene	0.192	0.020	"	0.200		96.0	70-130
Dibenz (a,h) anthracene	0.209	0.020	"	0.200		104	70-130
Fluoranthene	0.166	0.020	"	0.200		83.1	70-130
Fluorene	0.158	0.020	"	0.200		79.1	70-130
Indeno (1,2,3-cd) pyrene	0.185	0.020	"	0.200		92.4	70-130
Naphthalene	0.171	0.002	"	0.200		85.5	70-130
Phenanthrene	0.179	0.020	"	0.200		89.3	70-130
Pyrene	0.168	0.020	"	0.200		83.9	70-130
Surrogate: Fluorene-d10	190		ug/kg	200		96.3	60-130
Surrogate: Anthracene-d10	220		"	200		108	60-130
Surrogate: Pyrene-d10	190		"	200		96.8	60-130
Surrogate: Benzo (a) pyrene-d12	220		"	200		110	60-130

Matrix Spike (B4A2538-MS1)

Source: Y401633-01

Prepared: 01/25/2024 Analyzed: 01/25/2024

1-Methylnaphthalene	0.159	0.002	mg/kg	0.200	0.0006	79.3	70-130
2-Methylnaphthalene	0.167	0.002	"	0.200	ND	83.4	70-130
Acenaphthene	0.161	0.020	"	0.200	0.0002	80.6	70-130
Anthracene	0.171	0.020	"	0.200	ND	85.5	70-130
Benzo (a) anthracene	0.165	0.005	"	0.200	0.0006	82.0	70-130
Benzo (a) pyrene	0.186	0.020	"	0.200	0.001	92.4	70-130
Benzo (b) fluoranthene	0.190	0.020	"	0.200	0.001	94.5	70-130
Benzo (g,h,i) perylene	0.181	0.020	"	0.200	0.001	90.0	70-130

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Dan Coloccia
Project Number: [none]
Project: KMG - Canepa 6-21

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 B4A2538 - EPA 3580

Matrix Spike (B4A2538-MS1)		Source: Y401633-01			Prepared: 01/25/2024 Analyzed: 01/25/2024					
Benzo (k) fluoranthene	0.183	0.020	mg/kg	0.200	0.001	91.1	70-130			
Chrysene	0.192	0.020	"	0.200	0.0003	95.7	70-130			
Dibenz (a,h) anthracene	0.200	0.020	"	0.200	ND	100	70-130			
Fluoranthene	0.161	0.020	"	0.200	0.0004	80.3	70-130			
Fluorene	0.178	0.020	"	0.200	0.0005	88.6	70-130			
Indeno (1,2,3-cd) pyrene	0.191	0.020	"	0.200	ND	95.4	70-130			
Naphthalene	0.171	0.002	"	0.200	ND	85.7	70-130			
Phenanthrene	0.178	0.020	"	0.200	0.0002	89.0	70-130			
Pyrene	0.157	0.020	"	0.200	0.0009	77.9	70-130			
Surrogate: Fluorene-d10	210		ug/kg	200		107	60-130			
Surrogate: Anthracene-d10	220		"	200		109	60-130			
Surrogate: Pyrene-d10	190		"	200		94.8	60-130			
Surrogate: Benzo (a) pyrene-d12	230		"	200		114	60-130			

Matrix Spike Dup (B4A2538-MSD1)		Source: Y401633-01			Prepared: 01/25/2024 Analyzed: 01/25/2024					
1-Methylnaphthalene	0.161	0.002	mg/kg	0.200	0.0006	80.2	70-130	1.21	20	
2-Methylnaphthalene	0.164	0.002	"	0.200	ND	82.0	70-130	1.67	20	
Acenaphthene	0.166	0.020	"	0.200	0.0002	83.0	70-130	2.99	20	
Anthracene	0.184	0.020	"	0.200	ND	92.0	70-130	7.36	20	
Benzo (a) anthracene	0.169	0.005	"	0.200	0.0006	84.1	70-130	2.50	20	
Benzo (a) pyrene	0.196	0.020	"	0.200	0.001	97.5	70-130	5.39	20	
Benzo (b) fluoranthene	0.175	0.020	"	0.200	0.001	86.8	70-130	8.49	20	
Benzo (g,h,i) perylene	0.177	0.020	"	0.200	0.001	88.0	70-130	2.30	20	
Benzo (k) fluoranthene	0.154	0.020	"	0.200	0.001	76.2	70-130	17.6	20	
Chrysene	0.181	0.020	"	0.200	0.0003	90.3	70-130	5.78	20	
Dibenz (a,h) anthracene	0.206	0.020	"	0.200	ND	103	70-130	2.65	20	
Fluoranthene	0.166	0.020	"	0.200	0.0004	82.7	70-130	2.91	20	

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Project Number: [none]
Project: KMG - Canepa 6-21

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 B4A2538 - EPA 3580

Matrix Spike Dup (B4A2538-MSD1)		Source: Y401633-01			Prepared: 01/25/2024 Analyzed: 01/25/2024					
Fluorene	0.163	0.020	mg/kg	0.200	0.0005	81.1	70-130	8.85	20	
Indeno (1,2,3-cd) pyrene	0.201	0.020	"	0.200	ND	101	70-130	5.27	20	
Naphthalene	0.168	0.002	"	0.200	ND	84.2	70-130	1.81	20	
Phenanthrene	0.180	0.020	"	0.200	0.0002	89.9	70-130	0.946	20	
Pyrene	0.170	0.020	"	0.200	0.0009	84.4	70-130	8.03	20	
Surrogate: Fluorene-d10	200		ug/kg	200		102	60-130			
Surrogate: Anthracene-d10	220		"	200		110	60-130			
Surrogate: Pyrene-d10	190		"	200		97.3	60-130			
Surrogate: Benzo (a) pyrene-d12	230		"	200		114	60-130			

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Dan Coloccia
Project Number: [none]
Project: KMG - Canepa 6-21

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 B4A2607 - Saturated Paste Metals

Blank (B4A2607-BLK1)

Prepared: 01/26/2024 Analyzed: 01/29/2024

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

Duplicate (B4A2607-DUP1)

Source: Y401556-01

Prepared: 01/26/2024 Analyzed: 01/29/2024

Calcium PPM	72.4	10.0	mg/L	61.0	17.1	50
SAR	ND	0.0100	SAR	3.20		200
Magnesium PPM	15.0	10.0	mg/L	12.4	18.7	50
Sodium PPM	119	10.0	"	105	12.9	50

Batch B4A2611 - DTPA Sorbitol Preparation

Blank (B4A2611-BLK1)

Prepared: 01/26/2024 Analyzed: 01/29/2024

Boron	ND	0.100	mg/L
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Duplicate (B4A2611-DUP1)

Source: Y401543-01

Prepared: 01/26/2024 Analyzed: 01/29/2024

Boron	0.0606	0.102	mg/L	0.0634	4.52	50
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Dan Coloccia
Project Number: [none]
Project: KMG - Canepa 6-21

Saturated Paste - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4A2615 - Saturated Paste pH/EC										
Blank (B4A2615-BLK1)					Prepared: 01/26/2024 Analyzed: 01/27/2024					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							
Duplicate (B4A2615-DUP1)					Source: Y401556-01 Prepared: 01/26/2024 Analyzed: 01/27/2024					
pH	8.18		pH Units		8.15			0.367	25	
Specific Conductance (EC)	1.22	0.00500	mmhos/cm		1.14			7.17	25	

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 - Canepa 6-21

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 L731005 -										
DUP (L 92181-DUP)	Source: 92181				Prepared: Analyzed: 02/06/2024					
Chromium, Hexavalent	ND	0.5	mg/Kg		<0.500	-		0	20	
MS (L 92181-MS)	Source: 92181				Prepared: Analyzed: 02/06/2024					
Chromium, Hexavalent	29.5	2.5	mg/Kg	38.6	< 0.244	76	75-125			
LCS (LCS)					Prepared: Analyzed: 02/06/2024					
Chromium, Hexavalent	6.36	0.5	mg/Kg	8		80	75-125			
LRB (LRB)					Prepared: Analyzed: 02/06/2024					
Chromium, Hexavalent	ND	0.5	mg/Kg				-			

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Dan Coloccia
Project Number: [none]
Project: KMG - Canepa 6-21

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 L731003 -										
DUP (L 92158-DUP)		Source: 92158			Prepared: Analyzed: 02/05/2024					
Chromium, Hexavalent	ND	0.5	mg/Kg		<0.500	-		0	20	
MS (L 92158-MS)		Source: 92158			Prepared: Analyzed: 02/05/2024					
Chromium, Hexavalent	30.1	2.5	mg/Kg	39.9	< 0.244	75	75-125			
LCS (LCS)					Prepared: Analyzed: 02/05/2024					
Chromium, Hexavalent	6.19	0.5	mg/Kg	8		77	75-125			
LRB (LRB)					Prepared: Analyzed: 02/05/2024					
Chromium, Hexavalent	ND	0.5	mg/Kg				-			

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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.

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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