



July 19, 2021

Tasman Geosciences

Mike Jahn

6855 West 119th Avenue

Broomfield CO 80020

Project Name - KMG - Poudre 10,14,15,19,23,25-28 Project Number - 90379413

Attached are your analytical results for KMG - Poudre 10,14,15,19,23,25-28 received by Origins Laboratory, Inc. July 16, 2021. This project is associated with Origins project number Y107348-01.

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

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Mike Jahn
Project Number: 90379413
Project: KMG - Poudre 10,14,15,19,23,25-28

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
AST01-B01@3'	Y107348-01	Soil	July 16, 2021 12:30	07/16/2021 18:29
AST02-B01@3'	Y107348-02	Soil	July 16, 2021 12:40	07/16/2021 18:29
AST03-B02@3'	Y107348-03	Soil	July 16, 2021 13:10	07/16/2021 18:29
AST04-B01@3'	Y107348-04	Soil	July 16, 2021 13:20	07/16/2021 18:29
SEP01-B01@3'	Y107348-05	Soil	July 16, 2021 16:10	07/16/2021 18:29
SEP01-B02@3'	Y107348-06	Soil	July 16, 2021 16:22	07/16/2021 18:29
SEP02-B01@3'	Y107348-07	Soil	July 16, 2021 16:36	07/16/2021 18:29
SEP02-B02@3'	Y107348-08	Soil	July 16, 2021 16:46	07/16/2021 18:29

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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Mike Jahn
Project Number: 90379413
Project: KMG - Poudre 10,14,15,19,23,25-28

ORIGINS
LABORATORY, INC

www.originslaboratory.com

9107349

page of

Client: OXY TACMAN
Address: _____
Telephone Number: _____
Email Address: WJAHN@TASMANGEOL.COM
Project Manager: MIKE JAHN
Project Name: POUDRE 10, 14, 15, 19, 23, 25-28 TB
Project Number: 90379413
Samples Collected By: C. KAMEY

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

Sample ID Description	Date Sampled	Time Sampled	# of Containers				Preservative			Matrix			Analysts	Sample Instructions
			Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air	Summa	Canister #	Other		
AST01-B0103	7/16/21	12:30	1	X				X					X	1
AST02-B0103	7/16/21	12:40											X	2
AST03-B0203	7/16/21	13:10											X	3
AST04-B0103	7/16/21	13:20											X	4
SEP01-B0103	7/16/21	16:10											X	5
SEP01-B0203	7/16/21	16:27											X	6
SEP02-B0103	7/16/21	16:36											X	7
SEP02-B0203	7/16/21	16:46											X	8
														9
														10
Relinquished By: <u>[Signature]</u>	Date: 7/16/21	Time: 19:29	Received By: <u>[Signature]</u>				Time: 19:29			Date: 7/16/21			Turnaround Time: 24 Hr <input type="checkbox"/> 48 Hr <input checked="" type="checkbox"/> 72 Hr <input type="checkbox"/>	
Relinquished By: _____	Date: _____	Time: _____	Received By: _____				Time: _____			Date: _____			Standard <input type="checkbox"/>	

Temp Received: 4.4 Date Results Needed

Origins Laboratory, Inc.

Jordan A. Merrill

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6855 West 119th Avenue
Broomfield CO 80020

Mike Jahn
Project Number: 90379413
Project: KMG - Poudre 10,14,15,19,23,25-28

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

Sample Receipt Checklist

Origins Work Order: 1107342 Client: Tasman
Client Project ID: KMG - Poudre 10, 14, 15, 19, 23, 25-28
Checklist Completed by: [Signature] Shipped Via: HD
Date/time completed: 7/18/21 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
Airbill #: NA
Matrix(s) Received: (Check all that apply): ☒ Soil/Solid ☐ Water ☐ Other: _____
(Describe)
Cooler Number/Temperature: -14.46 °C 1 °C 1 °C 1 °C
Thermometer ID: 11003

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) [Signature] Date/Time Reviewed 7/18/21

Origins Laboratory, Inc.

[Signature]

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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Mike Jahn
Project Number: 90379413
Project: KMG - Poudre 10,14,15,19,23,25-28

AST01-B01@3'
7/16/2021 12:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y107348-01 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B1G1605	DJL	07/16/2021	07/16/2021	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	DJL	"	"	U

Surrogate: o-Terphenyl 92.7 % 50-150 " " "

GBTEX + Naphthalene by EPA 8260D

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B1G1604	DJL	07/16/2021	07/16/2021	U
Benzene	ND	0.002	"	"	"	DJL	"	"	U
Toluene	ND	0.002	"	"	"	DJL	"	"	U
Ethylbenzene	ND	0.002	"	"	"	DJL	"	"	U
Xylenes, total	ND	0.002	"	"	"	DJL	"	"	U
Naphthalene	ND	0.008	"	"	"	DJL	"	"	U

Surrogate: 1,2-Dichloroethane-d4 99.3 % 70-130 " " "
Surrogate: Toluene-d8 95.0 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 102 % 70-130 " " "

Origins Laboratory, Inc.

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Tasman Geosciences
6855 West 119th Avenue
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Mike Jahn
Project Number: 90379413
Project: KMG - Poudre 10,14,15,19,23,25-28

AST02-B01@3'
7/16/2021 12:40:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y107348-02 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B1G1605	DJL	07/16/2021	07/16/2021	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	DJL	"	"	U

Surrogate: o-Terphenyl 85.7 % 50-150 " " "

GBTEX + Naphthalene by EPA 8260D

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B1G1604	DJL	07/16/2021	07/16/2021	U
Benzene	ND	0.002	"	"	"	DJL	"	"	U
Toluene	ND	0.002	"	"	"	DJL	"	"	U
Ethylbenzene	ND	0.002	"	"	"	DJL	"	"	U
Xylenes, total	ND	0.002	"	"	"	DJL	"	"	U
Naphthalene	ND	0.008	"	"	"	DJL	"	"	U

Surrogate: 1,2-Dichloroethane-d4 99.8 % 70-130 " " "
Surrogate: Toluene-d8 95.7 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 102 % 70-130 " " "

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Broomfield CO 80020

Mike Jahn
Project Number: 90379413
Project: KMG - Poudre 10,14,15,19,23,25-28

AST03-B02@3'
7/16/2021 1:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y107348-03 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B1G1605	DJL	07/16/2021	07/16/2021	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	DJL	"	"	U

Surrogate: o-Terphenyl 72.9 % 50-150 " " "

GBTEX + Naphthalene by EPA 8260D

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B1G1604	DJL	07/16/2021	07/16/2021	U
Benzene	ND	0.002	"	"	"	DJL	"	"	U
Toluene	ND	0.002	"	"	"	DJL	"	"	U
Ethylbenzene	ND	0.002	"	"	"	DJL	"	"	U
Xylenes, total	ND	0.002	"	"	"	DJL	"	"	U
Naphthalene	ND	0.008	"	"	"	DJL	"	"	U

Surrogate: 1,2-Dichloroethane-d4 102 % 70-130 " " "
Surrogate: Toluene-d8 95.4 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 101 % 70-130 " " "

Origins Laboratory, Inc.



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6855 West 119th Avenue
Broomfield CO 80020

Mike Jahn
Project Number: 90379413
Project: KMG - Poudre 10,14,15,19,23,25-28

AST04-B01@3'
7/16/2021 1:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y107348-04 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B1G1605	DJL	07/16/2021	07/16/2021	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	DJL	"	"	U

Surrogate: o-Terphenyl 81.1 % 50-150 " " "

GBTEX + Naphthalene by EPA 8260D

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B1G1604	DJL	07/16/2021	07/16/2021	U
Benzene	ND	0.002	"	"	"	DJL	"	"	U
Toluene	ND	0.002	"	"	"	DJL	"	"	U
Ethylbenzene	ND	0.002	"	"	"	DJL	"	"	U
Xylenes, total	ND	0.002	"	"	"	DJL	"	"	U
Naphthalene	ND	0.008	"	"	"	DJL	"	"	U

Surrogate: 1,2-Dichloroethane-d4 102 % 70-130 " " "
Surrogate: Toluene-d8 94.5 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 101 % 70-130 " " "

Origins Laboratory, Inc.

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Project Number: 90379413
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SEP01-B01@3'
7/16/2021 4:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y107348-05 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B1G1605	DJL	07/16/2021	07/16/2021	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	DJL	"	"	U

Surrogate: o-Terphenyl 89.2 % 50-150 " " "

GBTEX + Naphthalene by EPA 8260D

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B1G1604	DJL	07/16/2021	07/16/2021	U
Benzene	ND	0.002	"	"	"	DJL	"	"	U
Toluene	ND	0.002	"	"	"	DJL	"	"	U
Ethylbenzene	ND	0.002	"	"	"	DJL	"	"	U
Xylenes, total	ND	0.002	"	"	"	DJL	"	"	U
Naphthalene	ND	0.008	"	"	"	DJL	"	"	U

Surrogate: 1,2-Dichloroethane-d4 103 % 70-130 " " "
Surrogate: Toluene-d8 95.6 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 102 % 70-130 " " "

Origins Laboratory, Inc.

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6855 West 119th Avenue
Broomfield CO 80020

Mike Jahn
Project Number: 90379413
Project: KMG - Poudre 10,14,15,19,23,25-28

SEP01-B02@3'
7/16/2021 4:22:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y107348-06 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B1G1605	DJL	07/16/2021	07/16/2021	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	DJL	"	"	U

Surrogate: o-Terphenyl 83.2 % 50-150 " " "

GBTEX + Naphthalene by EPA 8260D

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B1G1604	DJL	07/16/2021	07/16/2021	U
Benzene	ND	0.002	"	"	"	DJL	"	"	U
Toluene	ND	0.002	"	"	"	DJL	"	"	U
Ethylbenzene	ND	0.002	"	"	"	DJL	"	"	U
Xylenes, total	ND	0.002	"	"	"	DJL	"	"	U
Naphthalene	ND	0.008	"	"	"	DJL	"	"	U

Surrogate: 1,2-Dichloroethane-d4 102 % 70-130 " " "
Surrogate: Toluene-d8 95.6 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 101 % 70-130 " " "

Origins Laboratory, Inc.

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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Mike Jahn
Project Number: 90379413
Project: KMG - Poudre 10,14,15,19,23,25-28

SEP02-B01@3'
7/16/2021 4:36:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y107348-07 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B1G1605	DJL	07/16/2021	07/16/2021	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	DJL	"	"	U

Surrogate: o-Terphenyl 76.7 % 50-150 " " "

GBTEX + Naphthalene by EPA 8260D

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B1G1604	DJL	07/16/2021	07/16/2021	U
Benzene	ND	0.002	"	"	"	DJL	"	"	U
Toluene	ND	0.002	"	"	"	DJL	"	"	U
Ethylbenzene	ND	0.002	"	"	"	DJL	"	"	U
Xylenes, total	ND	0.002	"	"	"	DJL	"	"	U
Naphthalene	ND	0.008	"	"	"	DJL	"	"	U

Surrogate: 1,2-Dichloroethane-d4 103 % 70-130 " " "
Surrogate: Toluene-d8 94.8 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 101 % 70-130 " " "

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Broomfield CO 80020

Mike Jahn
Project Number: 90379413
Project: KMG - Poudre 10,14,15,19,23,25-28

SEP02-B02@3'
7/16/2021 4:46:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y107348-08 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B1G1605	DJL	07/16/2021	07/16/2021	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	DJL	"	"	U

Surrogate: o-Terphenyl 74.9 % 50-150 " " "

GBTEX + Naphthalene by EPA 8260D

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B1G1604	DJL	07/16/2021	07/16/2021	U
Benzene	ND	0.002	"	"	"	DJL	"	"	U
Toluene	ND	0.002	"	"	"	DJL	"	"	U
Ethylbenzene	ND	0.002	"	"	"	DJL	"	"	U
Xylenes, total	ND	0.002	"	"	"	DJL	"	"	U
Naphthalene	ND	0.008	"	"	"	DJL	"	"	U

Surrogate: 1,2-Dichloroethane-d4 104 % 70-130 " " "
Surrogate: Toluene-d8 95.0 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 101 % 70-130 " " "

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Broomfield CO 80020

Mike Jahn
Project Number: 90379413
Project: KMG - Poudre 10,14,15,19,23,25-28

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 B1G1604 - EPA 5030 (soil)										
Blank (B1G1604-BLK1)					Prepared: 07/16/2021 Analyzed: 07/16/2021					
Gasoline Range Hydrocarbons	ND	0.200	mg/kg							U
Benzene	ND	0.002	"							U
Toluene	ND	0.002	"							U
Ethylbenzene	ND	0.002	"							U
Xylenes, total	0.002	0.002	"							
Naphthalene	ND	0.008	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		96.4	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	70-130			

Origins Laboratory, Inc.



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6855 West 119th Avenue
Broomfield CO 80020

Mike Jahn
Project Number: 90379413
Project: KMG - Poudre 10,14,15,19,23,25-28

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 B1G1604 - EPA 5030 (soil)										
LCS (B1G1604-BS1)					Prepared: 07/16/2021 Analyzed: 07/16/2021					
Benzene	0.045	0.002	mg/kg	0.0500		89.8	70-130			
Toluene	0.047	0.002	"	0.0500		93.4	70-130			
Ethylbenzene	0.049	0.002	"	0.0500		97.6	70-130			
m,p-Xylene	0.107	0.004	"	0.100		107	70-130			
o-Xylene	0.053	0.002	"	0.0500		107	70-130			
Naphthalene	0.043	0.008	"	0.0500		85.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		94.3	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		97.2	70-130			

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Project Number: 90379413
Project: KMG - Poudre 10,14,15,19,23,25-28

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 B1G1604 - EPA 5030 (soil)										
Matrix Spike (B1G1604-MS1)		Source: Y107316-08			Prepared: 07/16/2021 Analyzed: 07/16/2021					
Benzene	0.086	0.002	mg/kg	0.100	ND	85.6	70-130			
Toluene	0.086	0.002	"	0.100	ND	85.5	70-130			
Ethylbenzene	0.089	0.002	"	0.100	ND	88.6	70-130			
m,p-Xylene	0.187	0.004	"	0.200	ND	93.7	70-130			
o-Xylene	0.097	0.002	"	0.100	ND	96.7	70-130			
Naphthalene	0.087	0.008	"	0.100	0.001	85.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		96.8	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		100	70-130			

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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Mike Jahn
Project Number: 90379413
Project: KMG - Poudre 10,14,15,19,23,25-28

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 B1G1604 - EPA 5030 (soil)										
Matrix Spike Dup (B1G1604-MSD1)					Source: Y107316-08					Prepared: 07/16/2021 Analyzed: 07/16/2021
Benzene	0.077	0.002	mg/kg	0.100	ND	77.4	70-130	10.1	20	
Toluene	0.077	0.002	"	0.100	ND	77.0	70-130	10.6	20	
Ethylbenzene	0.080	0.002	"	0.100	ND	80.3	70-130	9.82	20	
m,p-Xylene	0.170	0.004	"	0.200	ND	84.9	70-130	9.80	20	
o-Xylene	0.088	0.002	"	0.100	ND	87.7	70-130	9.72	20	
Naphthalene	0.083	0.008	"	0.100	0.001	82.4	70-130	4.02	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		98.4	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	70-130			

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Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B1G1605 - EPA 3550B										
Blank (B1G1605-BLK1)					Prepared: 07/16/2021 Analyzed: 07/16/2021					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	22		"	25.0		87.3	50-150			

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Mike Jahn
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Extractable Petroleum Hydrocarbons by 8015D - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B1G1605 - EPA 3550B										
LCS (B1G1605-BS1)					Prepared: 07/16/2021 Analyzed: 07/16/2021					
Diesel (C10-C28)	939	50.0	mg/kg	1000		93.9	70-130			
Residual Range Organics (C28-C40)	1030	200	"	1000		103	70-130			
Surrogate: o-Terphenyl	43		"	50.0		86.3	50-150			

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Extractable Petroleum Hydrocarbons by 8015D - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B1G1605 - EPA 3550B										
Matrix Spike (B1G1605-MS1)		Source: Y107316-08			Prepared: 07/16/2021 Analyzed: 07/16/2021					
Diesel (C10-C28)	882	50.0	mg/kg	1000	ND	88.2	70-130			
Residual Range Organics (C28-C40)	970	200	"	1000	ND	97.0	70-130			
Surrogate: o-Terphenyl	47		"	50.0		94.9	50-150			

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Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B1G1605 - EPA 3550B

Matrix Spike Dup (B1G1605-MSD1)		Source: Y107316-08			Prepared: 07/16/2021 Analyzed: 07/16/2021					
Diesel (C10-C28)	897	50.0	mg/kg	1000	ND	89.7	70-130	1.68	35	
Residual Range Organics (C28-C40)	986	200	"	1000	ND	98.6	70-130	1.63	35	
Surrogate: o-Terphenyl	49		"	50.0		98.4	50-150			

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Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

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