

April 01, 2022

Tasman Geosciences

Andy Sagen

6855 West 119th Avenue

Broomfield CO 80020

Project Name - KMG - PSC 15-11

Project Number - [none]

Attached are your analytical results for KMG - PSC 15-11 received by Origins Laboratory, Inc. March 21, 2022. This project is associated with Origins project number Y203502-01.

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



Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GW01	Y203502-01	Water	March 21, 2022 15:30	03/21/2022 18:00
B01@6'	Y203502-02	Soil	March 21, 2022 16:15	03/21/2022 18:00
W01@5'	Y203502-03	Soil	March 21, 2022 16:35	03/21/2022 18:00
BG01@4'	Y203502-04	Soil	March 21, 2022 16:40	03/21/2022 18:00
BG02@4'	Y203502-05	Soil	March 21, 2022 16:45	03/21/2022 18:00
BG03@4'	Y203502-06	Soil	March 21, 2022 16:50	03/21/2022 18:00
BG04@4'	Y203502-07	Soil	March 21, 2022 16:55	03/21/2022 18:00

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

[illegible]

Origins Laboratory, Inc.

Byron

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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4203502

Client: Tasman

Client Project ID: PSC 15-11

Checklist Completed by: KL

Shipped Via: TD

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

Date/time completed: 3/21/12

Airbill #: NA

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

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

Thermometer ID: 1004

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

Kenneth
Reviewed by (Project Manager)

3/21/12
Date/Time Reviewed

Origins Laboratory, Inc.

J. Bynon

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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

GW01

3/21/2022 3:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y203502-01 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	869	200	ug/L	100	B2C2122	03/21/2022	03/22/2022
1,3,5-Trimethylbenzene	1090	20.0	"	10	"	"	03/21/2022
Benzene	1160	10.0	"	"	"	"	"
Ethylbenzene	491	10.0	"	"	"	"	"
Naphthalene	361	20.0	"	"	"	"	"
Toluene	5400	100	"	100	"	"	03/22/2022
Xylenes, total	5930	100	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	95.6 %	70-130	"	"	03/21/2022
Surrogate: Toluene-d8	103 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	100 %	70-130	"	"	"

Origins Laboratory, Inc.



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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

B01@6'

3/21/2022 4:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y203502-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.118	0.0987	mg/L	1	B2C2208	03/22/2022	03/23/2022
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	332	25.0	mg/kg	1	B2C2119	03/21/2022	03/22/2022
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	" U

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

1,2,4-Trimethylbenzene	22.2	0.500	mg/kg	250	B2C2120	03/21/2022	03/22/2022
1,3,5-Trimethylbenzene	7.68	0.0500	"	25	"	"	03/22/2022
Benzene	2.46	0.0500	"	"	"	"	"
Ethylbenzene	2.50	0.0500	"	"	"	"	"
Toluene	53.8	0.500	"	250	"	"	03/22/2022
Xylenes, total	100	0.500	"	"	"	"	"
Gasoline Range Hydrocarbons	1380	50.0	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	101 %	70-130	"	"	03/22/2022
Surrogate: Toluene-d8	96.1 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	127 %	70-130	"	"	"

Origins Laboratory, Inc.



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Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

B01@6'

3/21/2022 4:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y203502-02 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	3.09	0.499	meq/L	10	[CALC]	03/22/2022	03/23/2022
Magnesium	1.16	0.823	"	"	"	"	"
Sodium	1.14	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	0.199	0.000364	0.00067	mg/Kg	1	L607268	03/28/2022	03/29/2022	
2-Methylnaphthalene	0.265	0.000645	0.00067	"	"	"	"	"	
Acenaphthene	0.0178	0.000304	0.00067	"	"	"	"	"	
Anthracene	0.000627	0.000334	0.00067	"	"	"	"	"	J
Benzo(a)anthracene	0.000679	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	0.00163	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	0.00118	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	0.00448	0.000624	0.00067	"	"	"	"	"	B
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	0.000998	0.000394	0.00067	"	"	"	"	"	
Fluorene	0.0323	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	0.000707	0.000627	0.00067	"	"	"	"	"	
Naphthalene	0.148	0.000484	0.00067	"	"	"	"	"	
Pyrene	0.00295	0.000643	0.00067	"	"	"	"	"	

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6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

B01@6'

3/21/2022 4:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.
Y203502-02 (Soil)

PAH by 8270D SIM

Surrogate: 2-Fluorobiphenyl	84.4 %		33-115			L6072 68	03/28/2022	03/29/2022	
Surrogate: 4-Terphenyl-d14	88.1 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	55 %		29-110			"	"	"	

pH in Soil by 9045D

pH	7.45			pH Units	1	B2C2212	03/22/2022	03/23/2022	
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SAR by 20B Saturated Paste

SAR	0.781			SAR	1	B2C2206	03/22/2022	03/23/2022	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.523		0.00500	mmhos/cm	1	B2C2215	03/22/2022	03/23/2022	
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Total Metals by 6020B

Arsenic	2.94	0.0855	0.25	mg/Kg	5	L606848	03/24/2022	03/29/2022	
Barium	71.3	0.042	0.25	"	"	"	"	"	
Cadmium	0.207	0.0259	0.25	"	"	"	"	"	J
Copper	11.4	0.0806	0.25	"	"	"	"	"	
Lead	11.6	0.031	0.25	"	"	"	"	"	
Nickel	6.22	0.0633	0.25	"	"	"	"	"	
Selenium	0.911	0.103	0.25	"	"	"	"	"	

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Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

B01@6'

3/21/2022 4:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.
Y203502-02 (Soil)

Total Metals by 6020B

Silver	0.102	0.0067	0.25	mg/Kg	5	L606848	03/24/2022	03/29/2022	J
Zinc	44.2	0.534	2.5	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	1.24	2.54	mg/Kg	5	L607686	03/21/2022	03/29/2022	
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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

W01@5'

3/21/2022 4:35:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y203502-03 (Soil)

Boron (DTPA Sorbitol)

Boron	0.138	0.0982	mg/L	1	B2C2208	03/22/2022	03/23/2022
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	395	25.0	mg/kg	1	B2C2119	03/21/2022	03/22/2022
Residual Range Organics (C28-C40)	110	100	"	"	"	"	"

Surrogate: o-Terphenyl	91.4 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	12.1	0.500	mg/kg	250	B2C2120	03/21/2022	03/22/2022
1,3,5-Trimethylbenzene	7.64	0.500	"	"	"	"	"
Benzene	1.01	0.500	"	"	"	"	"
Ethylbenzene	2.08	0.500	"	"	"	"	"
Toluene	16.5	0.500	"	"	"	"	"
Xylenes, total	44.5	0.500	"	"	"	"	"
Gasoline Range Hydrocarbons	581	50.0	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	90.2 %	70-130	"	"	"
Surrogate: Toluene-d8	97.1 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	104 %	70-130	"	"	"

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6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

W01@5'

3/21/2022 4:35:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y203502-03 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	2.53	0.499	meq/L	10	[CALC]	03/22/2022	03/23/2022
Magnesium	0.938	0.823	"	"	"	"	"
Sodium	0.813	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	0.571	0.00364	0.0067	mg/Kg	10	L607268	03/28/2022	03/29/2022	
2-Methylnaphthalene	0.991	0.00645	0.0067	"	"	"	"	"	
Acenaphthene	0.0637	0.00304	0.0067	"	"	"	"	"	
Anthracene	0.0034	0.00334	0.0067	"	"	"	"	"	J
Benzo(a)anthracene	ND	0.00493	0.0067	"	"	"	"	"	
Benzo(a)pyrene	0.00561	0.00468	0.0067	"	"	"	"	"	J
Benzo(b)fluoranthene	ND	0.00585	0.0067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.00437	0.0067	"	"	"	"	"	
Chrysene	0.0113	0.00624	0.0067	"	"	"	"	"	B
Dibenz(a,h)anthracene	ND	0.00614	0.0067	"	"	"	"	"	
Fluoranthene	ND	0.00394	0.0067	"	"	"	"	"	
Fluorene	0.108	0.00286	0.0067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00627	0.0067	"	"	"	"	"	
Naphthalene	0.433	0.00484	0.0067	"	"	"	"	"	
Pyrene	0.00751	0.00643	0.0067	"	"	"	"	"	
Surrogate: 2-Fluorobiphenyl	86.4 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	97.9 %		33-122			"	"	"	

Origins Laboratory, Inc.



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6855 West 119th Avenue
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Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

W01@5'

3/21/2022 4:35:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.
Y203502-03 (Soil)

PAH by 8270D SIM

Surrogate: Nitrobenzene-d5	52.4 %	29-110	L6072 68	03/28/2022	03/29/2022
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pH in Soil by 9045D

pH	7.58	pH Units	1	B2C2212	03/22/2022	03/23/2022
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SAR by 20B Saturated Paste

SAR	0.617	SAR	1	B2C2206	03/22/2022	03/23/2022
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.416	0.00500	mmhos/cm	1	B2C2215	03/22/2022	03/23/2022
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Total Metals by 6020B

Arsenic	1.29	0.0855	0.25	mg/Kg	5	L606848	03/24/2022	03/29/2022
Barium	32.8	0.042	0.25	"	"	"	"	"
Cadmium	0.082	0.0259	0.25	"	"	"	"	J
Copper	4.75	0.0806	0.25	"	"	"	"	"
Lead	5.64	0.031	0.25	"	"	"	"	"
Nickel	3.86	0.0633	0.25	"	"	"	"	"
Selenium	0.431	0.103	0.25	"	"	"	"	"
Silver	0.0311	0.0067	0.25	"	"	"	"	J
Zinc	22.9	0.534	2.5	"	"	"	"	"

Origins Laboratory, Inc.



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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

W01@5'

3/21/2022 4:35:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.
Y203502-03 (Soil)

Total Metals by 7196A

Chromium, Hexavalent	ND	1.25	2.56	mg/Kg	5	L607686	03/21/2022	03/29/2022	
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Origins Laboratory, Inc.



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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

BG01@4'
3/21/2022 4:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y203502-04 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	1.01	mg/L	10	B2C2208	03/22/2022	03/23/2022
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Metals by Saturated Paste by EPA 6010

Calcium	2.81	0.499	meq/L	"	[CALC]	03/22/2022	03/23/2022
Magnesium	1.05	0.823	"	"	"	"	"
Sodium	2.51	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	7.37	pH Units	1	B2C2212	03/22/2022	03/23/2022
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SAR by 20B Saturated Paste

SAR	1.81	SAR	1	B2C2206	03/22/2022	03/23/2022
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.641	0.00500	mmhos/cm	1	B2C2215	03/22/2022	03/23/2022
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Total Metals by 6020B

Arsenic	1.32	0.0855	0.25	mg/Kg	5	L606848	03/24/2022	03/29/2022
Barium	60.5	0.042	0.25	"	"	"	"	"
Cadmium	0.105	0.0259	0.25	"	"	"	"	"
Copper	8.21	0.0806	0.25	"	"	"	"	"

Origins Laboratory, Inc.



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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

BG01@4'

3/21/2022 4:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.
Y203502-04 (Soil)

Total Metals by 6020B

Lead	8.28	0.031	0.25	mg/Kg	5	L606848	03/24/2022	03/29/2022	
Nickel	5.03	0.0633	0.25	"	"	"	"	"	
Selenium	0.483	0.103	0.25	"	"	"	"	"	
Silver	0.0598	0.0067	0.25	"	"	"	"	"	J
Zinc	36.2	0.534	2.5	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	1.22	2.5	mg/Kg	5	L607686	03/21/2022	03/29/2022	
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Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

BG02@4'
3/21/2022 4:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y203502-05 (Soil)

Boron (DTPA Sorbitol)

Boron	0.277	0.0988	mg/L	1	B2C2209	03/22/2022	03/23/2022
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Metals by Saturated Paste by EPA 6010

Calcium	1.99	0.499	meq/L	10	[CALC]	03/22/2022	03/23/2022
Magnesium	ND	0.823	"	"	"	"	"
Sodium	1.52	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	7.92	pH Units	1	B2C2212	03/22/2022	03/23/2022
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SAR by 20B Saturated Paste

SAR	1.29	SAR	1	B2C2206	03/22/2022	03/23/2022
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.447	0.00500	mmhos/cm	1	B2C2215	03/22/2022	03/23/2022
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Total Metals by 6020B

Arsenic	2.58	0.0855	0.25	mg/Kg	5	L606848	03/24/2022	03/29/2022
Barium	82.1	0.042	0.25	"	"	"	"	"
Cadmium	0.254	0.0259	0.25	"	"	"	"	"
Copper	14	0.0806	0.25	"	"	"	"	"

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.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

BG02@4'

3/21/2022 4:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.
Y203502-05 (Soil)

Total Metals by 6020B

Lead	14.8	0.031	0.25	mg/Kg	5	L606848	03/24/2022	03/29/2022	
Nickel	7.45	0.0633	0.25	"	"	"	"	"	
Selenium	0.754	0.103	0.25	"	"	"	"	"	
Silver	0.135	0.0067	0.25	"	"	"	"	"	J
Zinc	54.4	0.534	2.5	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	1.22	2.5	mg/Kg	5	L607686	03/21/2022	03/29/2022	
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Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

BG03@4'
3/21/2022 4:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y203502-06 (Soil)

Boron (DTPA Sorbitol)

Boron	0.319	0.0997	mg/L	1	B2C2209	03/22/2022	03/23/2022
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Metals by Saturated Paste by EPA 6010

Calcium	1.94	0.499	meq/L	10	[CALC]	03/22/2022	03/23/2022
Magnesium	ND	0.823	"	"	"	"	"
Sodium	2.19	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	7.60	pH Units	1	B2C2212	03/22/2022	03/23/2022
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SAR by 20B Saturated Paste

SAR	1.89	SAR	1	B2C2206	03/22/2022	03/23/2022
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.514	0.00500	mmhos/cm	1	B2C2215	03/22/2022	03/23/2022
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Total Metals by 6020B

Arsenic	2.49	0.0855	0.25	mg/Kg	5	L606848	03/24/2022	03/29/2022
Barium	110	0.042	0.25	"	"	"	"	"
Cadmium	0.28	0.0259	0.25	"	"	"	"	"
Copper	16.3	0.0806	0.25	"	"	"	"	"

Origins Laboratory, Inc.



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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

BG03@4'

3/21/2022 4:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.
Y203502-06 (Soil)

Total Metals by 6020B

Lead	15.9	0.031	0.25	mg/Kg	5	L606848	03/24/2022	03/29/2022	
Nickel	8.85	0.0633	0.25	"	"	"	"	"	
Selenium	0.814	0.103	0.25	"	"	"	"	"	
Silver	0.116	0.0067	0.25	"	"	"	"	"	J
Zinc	64.1	0.534	2.5	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	1.25	2.56	mg/Kg	5	L607686	03/21/2022	03/29/2022	
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Origins Laboratory, Inc.



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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

BG04@4'

3/21/2022 4:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y203502-07 (Soil)

Boron (DTPA Sorbitol)

Boron	0.421	0.100	mg/L	1	B2C2209	03/22/2022	03/23/2022
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Metals by Saturated Paste by EPA 6010

Calcium	6.81	0.499	meq/L	10	[CALC]	03/22/2022	03/23/2022
Magnesium	2.40	0.823	"	"	"	"	"
Sodium	4.18	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	7.46	pH Units	1	B2C2212	03/22/2022	03/23/2022
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SAR by 20B Saturated Paste

SAR	1.95	SAR	1	B2C2206	03/22/2022	03/23/2022
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.26	0.00500	mmhos/cm	1	B2C2215	03/22/2022	03/23/2022
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Total Metals by 6020B

Arsenic	2.45	0.0855	0.25	mg/Kg	5	L606848	03/24/2022	03/29/2022
Barium	107	0.042	0.25	"	"	"	"	"
Cadmium	0.236	0.0259	0.25	"	"	"	"	"
Copper	14.6	0.0806	0.25	"	"	"	"	"

Origins Laboratory, Inc.



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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

BG04@4'

3/21/2022 4:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.
Y203502-07 (Soil)

Total Metals by 6020B

Lead	13.7	0.031	0.25	mg/Kg	5	L606848	03/24/2022	03/29/2022	
Nickel	8.4	0.0633	0.25	"	"	"	"	"	
Selenium	0.777	0.103	0.25	"	"	"	"	"	
Silver	0.109	0.0067	0.25	"	"	"	"	"	J
Zinc	63.3	0.534	2.5	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	1.26	2.58	mg/Kg	5	L607686	03/21/2022	03/29/2022	
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Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

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 B2C2119 - EPA 3550B										
Blank (B2C2119-BLK1)					Prepared: 03/21/2022 Analyzed: 03/22/2022					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	18		"	24.9		71.6	50-150			

Origins Laboratory, Inc.



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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

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 B2C2119 - EPA 3550B

LCS (B2C2119-BS1)

Prepared: 03/21/2022 Analyzed: 03/22/2022

Diesel (C10-C28)	775	50.0	mg/kg	1000		77.5	70-130			
Residual Range Organics (C28-C40)	814	200	"	1000		81.4	70-130			
Surrogate: o-Terphenyl	41		"	49.8		81.7	50-150			

Origins Laboratory, Inc.



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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

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 B2C2119 - EPA 3550B

Matrix Spike (B2C2119-MS1)		Source: Y203498-01			Prepared: 03/21/2022 Analyzed: 03/22/2022					
Diesel (C10-C28)	915	50.0	mg/kg	1000	ND	91.5	70-130			
Residual Range Organics (C28-C40)	954	200	"	1000	ND	95.4	70-130			
Surrogate: o-Terphenyl	46		"	49.8		91.9	50-150			

Origins Laboratory, Inc.



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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

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 B2C2119 - EPA 3550B

Matrix Spike Dup (B2C2119-MSD1)		Source: Y203498-01			Prepared: 03/21/2022 Analyzed: 03/22/2022					
Diesel (C10-C28)	875	50.0	mg/kg	1000	ND	87.5	70-130	4.48	35	
Residual Range Organics (C28-C40)	978	200	"	1000	ND	97.8	70-130	2.54	35	
Surrogate: o-Terphenyl	46		"	49.8		92.2	50-150			

Origins Laboratory, Inc.



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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

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 B2C2120 - EPA 5030 (soil)										
Blank (B2C2120-BLK1)					Prepared: 03/21/2022 Analyzed: 03/21/2022					
1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.0100	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		92.8	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	70-130			

Origins Laboratory, Inc.



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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

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 B2C2120 - EPA 5030 (soil)										
LCS (B2C2120-BS1)					Prepared: 03/21/2022 Analyzed: 03/21/2022					
1,2,4-Trimethylbenzene	0.102	0.00200	mg/kg	0.100		102	70-130			
1,3,5-Trimethylbenzene	0.103	0.00200	"	0.100		103	70-130			
Benzene	0.107	0.00200	"	0.100		107	70-130			
Ethylbenzene	0.103	0.00200	"	0.100		103	70-130			
Naphthalene	0.106	0.0100	"	0.100		106	70-130			
Toluene	0.103	0.00200	"	0.100		103	70-130			
o-Xylene	0.103	0.00200	"	0.100		103	70-130			
m,p-Xylene	0.209	0.00400	"	0.200		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		93.9	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	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.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

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 B2C2120 - EPA 5030 (soil)										
Matrix Spike (B2C2120-MS1)		Source: Y203498-01			Prepared: 03/21/2022 Analyzed: 03/21/2022					
1,2,4-Trimethylbenzene	0.0754	0.00200	mg/kg	0.100	ND	75.4	70-130			
1,3,5-Trimethylbenzene	0.0751	0.00200	"	0.100	ND	75.1	70-130			
Benzene	0.0837	0.00200	"	0.100	ND	83.7	70-130			
Ethylbenzene	0.0796	0.00200	"	0.100	ND	79.6	70-130			
Naphthalene	0.0787	0.0100	"	0.100	0.00234	76.4	70-130			
Toluene	0.0791	0.00200	"	0.100	ND	79.1	70-130			
o-Xylene	0.0794	0.00200	"	0.100	ND	79.4	70-130			
m,p-Xylene	0.161	0.00400	"	0.200	ND	80.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		95.8	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	70-130			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

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 B2C2120 - EPA 5030 (soil)										
Matrix Spike Dup (B2C2120-MSD1)		Source: Y203498-01			Prepared: 03/21/2022 Analyzed: 03/22/2022					
1,2,4-Trimethylbenzene	0.145	0.00200	mg/kg	0.100	ND	145	70-130	63.3	20	QM-07
1,3,5-Trimethylbenzene	0.145	0.00200	"	0.100	ND	145	70-130	63.4	20	QM-07
Benzene	0.141	0.00200	"	0.100	ND	141	70-130	50.8	20	QM-07
Ethylbenzene	0.145	0.00200	"	0.100	ND	145	70-130	58.4	20	QM-07
Naphthalene	0.143	0.0100	"	0.100	0.00234	141	70-130	58.2	20	QM-07
Toluene	0.145	0.00200	"	0.100	ND	145	70-130	58.8	20	QM-07
o-Xylene	0.146	0.00200	"	0.100	ND	146	70-130	58.9	20	QM-07
m,p-Xylene	0.287	0.00400	"	0.200	ND	143	70-130	56.3	20	QM-07
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		97.6	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		103	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.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

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 B2C2122 - EPA 5030B (Water)										
Blank (B2C2122-BLK1)					Prepared: 03/21/2022 Analyzed: 03/21/2022					
1,2,4-Trimethylbenzene	ND	2.00	ug/L							U
1,3,5-Trimethylbenzene	ND	2.00	"							U
Benzene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Naphthalene	ND	2.00	"							U
Toluene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	59		"	62.5		93.9	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.1	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.8	70-130			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

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 B2C2122 - EPA 5030B (Water)										
LCS (B2C2122-BS1)					Prepared: 03/21/2022 Analyzed: 03/21/2022					
1,2,4-Trimethylbenzene	55.1	2.00	ug/L	50.0		110	70-130			
1,3,5-Trimethylbenzene	51.4	2.00	"	50.0		103	70-130			
Benzene	56.1	1.00	"	50.0		112	70-130			
Ethylbenzene	55.8	1.00	"	50.0		112	70-130			
m,p-Xylene	114	2.00	"	100		114	70-130			
Naphthalene	44.9	2.00	"	50.0		89.7	70-130			
o-Xylene	55.6	1.00	"	50.0		111	70-130			
Toluene	58.4	1.00	"	50.0		117	70-130			
Surrogate: 1,2-Dichloroethane-d4	58		"	62.5		93.3	70-130			
Surrogate: Toluene-d8	63		"	62.5		101	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	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.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

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 B2C2122 - EPA 5030B (Water)										
Matrix Spike (B2C2122-MS1)		Source: Y203503-01			Prepared: 03/21/2022 Analyzed: 03/21/2022					
1,2,4-Trimethylbenzene	147	2.00	ug/L	50.0	89.5	116	70-130			
1,3,5-Trimethylbenzene	119	2.00	"	50.0	56.8	125	70-130			
Benzene	90.4	1.00	"	50.0	32.5	116	70-130			
Ethylbenzene	66.4	1.00	"	50.0	ND	133	70-130			QM-07
m,p-Xylene	563	2.00	"	100	398	166	70-130			QM-07
Naphthalene	49.0	2.00	"	50.0	3.70	90.5	70-130			
o-Xylene	236	1.00	"	50.0	197	77.0	70-130			
Toluene	68.9	1.00	"	50.0	0.390	137	70-130			QM-07
Surrogate: 1,2-Dichloroethane-d4	59		"	62.5		93.7	70-130			
Surrogate: Toluene-d8	65		"	62.5		105	70-130			
Surrogate: 4-Bromofluorobenzene	65		"	62.5		104	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.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

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 B2C2122 - EPA 5030B (Water)										
Matrix Spike Dup (B2C2122-MSD1)		Source: Y203503-01			Prepared: 03/21/2022 Analyzed: 03/21/2022					
1,2,4-Trimethylbenzene	147	2.00	ug/L	50.0	89.5	116	70-130	0.0203	20	
1,3,5-Trimethylbenzene	120	2.00	"	50.0	56.8	126	70-130	0.468	20	
Benzene	91.0	1.00	"	50.0	32.5	117	70-130	0.739	20	
Ethylbenzene	67.2	1.00	"	50.0	ND	134	70-130	1.20	20	QM-07
m,p-Xylene	570	2.00	"	100	398	173	70-130	1.21	20	QM-07
Naphthalene	53.1	2.00	"	50.0	3.70	98.8	70-130	8.11	20	
o-Xylene	238	1.00	"	50.0	197	81.1	70-130	0.870	20	
Toluene	69.2	1.00	"	50.0	0.390	138	70-130	0.391	20	QM-07
Surrogate: 1,2-Dichloroethane-d4	58		"	62.5		93.1	70-130			
Surrogate: Toluene-d8	66		"	62.5		105	70-130			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		103	70-130			

Origins Laboratory, Inc.



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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

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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Saturated Paste - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2C2212 - NO PREP

Duplicate (B2C2212-DUP1)	Source: Y203498-12		Prepared: 03/22/2022 Analyzed: 03/23/2022							
pH	7.94		pH Units		7.99			0.628	25	

Batch B2C2215 - NO PREP

Blank (B2C2215-BLK1)	Prepared: 03/22/2022 Analyzed: 03/23/2022									
Specific Conductance (EC)	0.000800	0.00500	mmhos/cm							
Duplicate (B2C2215-DUP1)	Source: Y203498-12		Prepared: 03/22/2022 Analyzed: 03/23/2022							
Specific Conductance (EC)	0.396	0.00500	mmhos/cm		0.392			1.27	25	

Origins Laboratory, Inc.



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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

PAH by 8270D SIM - Quality Control
Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L607268 - 3550B

MSD (L 94495-MSD-L607268)		Source: 94495			Prepared: 03/28/2022 Analyzed: 03/29/2022					
Benzo(b)fluoranthene	0.111	0.000585	mg/Kg	0.164	94495	67.6	30-130	16.5	30	
1-Methylnaphthalene	0.117	0.000364	"	0.164	94495	71.3	30-130	5	30	
2-Methylnaphthalene	0.118	0.000645	"	0.164	94495	71.9	30-130	3.3	30	
Acenaphthene	0.111	0.000304	"	0.164	94495	67.6	30-130	4.4	30	
Anthracene	0.13	0.000334	"	0.164	94495	79.2	30-130	5.9	30	
Pyrene	0.13	0.000643	"	0.164	94495	79.2	30-130	7.4	30	
Naphthalene	0.111	0.000484	"	0.164	94495	67.6	30-130	5.2	30	
Indeno(1,2,3-cd)pyrene	0.12	0.000627	"	0.164	94495	73.1	30-130	18.8	30	
Fluorene	0.124	0.000286	"	0.164	94495	75.6	30-130	5.4	30	
Fluoranthene	0.13	0.000394	"	0.164	94495	79.2	30-130	8.8	30	
Dibenz(a,h)anthracene	0.129	0.000614	"	0.164	94495	78.6	30-130	18.3	30	
Chrysene	0.116	0.000624	"	0.164	94495	70.7	30-130	9	30	
Benzo(k)fluoranthene	0.0907	0.000437	"	0.164	94495	55.3	30-130	21	30	
Benzo(a)pyrene	0.118	0.000468	"	0.164	94495	71.9	30-130	11.9	30	
Benzo(a)anthracene	0.124	0.000493	"	0.164	94495	75.6	30-130	9.9	30	
Surrogate: 2-Fluorobiphenyl	71.4		"	0.329	249	71.4	33-115			
Surrogate: 4-Terphenyl-d14	82.6		"	0.329	268	82.6	33-122			
Surrogate: Nitrobenzene-d5	58.9		"	0.329	217	58.9	29-110			

MS (L 94495-MS-L607268)		Source: 94495			Prepared: 03/28/2022 Analyzed: 03/29/2022					
Benzo(a)pyrene	0.133	0.000468	mg/Kg	0.166	94495	80.1	30-130			
Chrysene	0.127	0.000624	"	0.166	94495	76.5	30-130			
Pyrene	0.14	0.000643	"	0.166	94495	84.3	30-130			
Naphthalene	0.117	0.000484	"	0.166	94495	70.4	30-130			
Indeno(1,2,3-cd)pyrene	0.145	0.000627	"	0.166	94495	87.3	30-130			
Fluorene	0.131	0.000286	"	0.166	94495	78.9	30-130			
Fluoranthene	0.142	0.000394	"	0.166	94495	85.5	30-130			

Origins Laboratory, Inc.



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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

PAH by 8270D SIM - Quality Control
Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L607268 - 3550B

MS (L 94495-MS-L607268)		Source: 94495			Prepared: 03/28/2022 Analyzed: 03/29/2022					
Dibenz(a,h)anthracene	0.155	0.000614	mg/Kg	0.166	94495	93.3	30-130			
Benzo(b)fluoranthene	0.131	0.000585	"	0.166	94495	78.9	30-130			
Benzo(a)anthracene	0.137	0.000493	"	0.166	94495	82.5	30-130			
Anthracene	0.138	0.000334	"	0.166	94495	83.1	30-130			
Acenaphthene	0.116	0.000304	"	0.166	94495	69.8	30-130			
2-Methylnaphthalene	0.122	0.000645	"	0.166	94495	73.4	30-130			
Benzo(k)fluoranthene	0.112	0.000437	"	0.166	94495	67.4	30-130			
1-Methylnaphthalene	0.123	0.000364	"	0.166	94495	74	30-130			
Surrogate: Nitrobenzene-d5	61		"	0.331	217	61	29-110			
Surrogate: 2-Fluorobiphenyl	73.4		"	0.331	249	73.4	33-115			
Surrogate: 4-Terphenyl-d14	87.3		"	0.331	268	87.3	33-122			

LCS (LCS-L607268)		Prepared: 03/28/2022 Analyzed: 03/29/2022								
Pyrene	0.145	0.000643	mg/Kg	0.167		86.8	30-130			
Anthracene	0.147	0.000334	"	0.167		88	30-130			
1-Methylnaphthalene	0.133	0.000364	"	0.167		79.6	30-130			
2-Methylnaphthalene	0.134	0.000645	"	0.167		80.2	30-130			
Acenaphthene	0.125	0.000304	"	0.167		74.8	30-130			
Benzo(a)pyrene	0.135	0.000468	"	0.167		80.8	30-130			
Fluorene	0.142	0.000286	"	0.167		85	30-130			
Chrysene	0.132	0.000624	"	0.167		79	30-130			
Indeno(1,2,3-cd)pyrene	0.134	0.000627	"	0.167		80.2	30-130			
Fluoranthene	0.145	0.000394	"	0.167		86.8	30-130			
Dibenz(a,h)anthracene	0.147	0.000614	"	0.167		88	30-130			
Benzo(a)anthracene	0.141	0.000493	"	0.167		84.4	30-130			
Naphthalene	0.13	0.000484	"	0.167		77.8	30-130			
Benzo(k)fluoranthene	0.107	0.000437	"	0.167		64	30-130			

Origins Laboratory, Inc.



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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

PAH by 8270D SIM - Quality Control
Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L607268 - 3550B										
LCS (LCS-L607268)					Prepared: 03/28/2022 Analyzed: 03/29/2022					
Benzo(b)fluoranthene	0.133	0.000585	mg/Kg	0.167		79.6	30-130			
Surrogate: Nitrobenzene-d5	58.5		"	0.333		58.5	29-110			
Surrogate: 2-Fluorobiphenyl	78.9		"	0.333		78.9	33-115			
Surrogate: 4-Terphenyl-d14	84.6		"	0.333		84.6	33-122			
LRB (LRB-L607268)					Prepared: 03/28/2022 Analyzed: 03/29/2022					
Chrysene	0.00191	0.00067	mg/Kg				-			*
Pyrene	ND	0.00067	"				-			
Naphthalene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Surrogate: Nitrobenzene-d5	54		"	0.333		54	29-110			
Surrogate: 2-Fluorobiphenyl	64.8		"	0.333		64.8	33-115			
Surrogate: 4-Terphenyl-d14	68.7		"	0.333		68.7	33-122			

Origins Laboratory, Inc.



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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

Total Metals by 6020B - Quality Control Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L606848 - 3050B										
MSD (L 94546-MSD-L606848)			Source: 94546		Prepared: 03/24/2022 Analyzed: 03/29/2022					
Nickel	5.06	0.0633	mg/Kg	2.34	2.82	96	75-125	3.4	80	
Zinc	34.7	0.534	"	23.4	13.9	89	75-125	7.2	80	
Selenium	4.93	0.103	"	4.68	0.384	97	75-125	0.8	80	
Lead	5.49	0.031	"	2.34	3.86	70	75-125	6.8	80	*
Copper	5.04	0.0806	"	2.34	3.07	84	75-125	3.1	80	
Cadmium	0.486	0.0259	"	0.468	0.0625	90	75-125	0.4	80	
Barium	33.9	0.042	"	4.68	33.6	6	75-125	5.4	80	*
Arsenic	3.17	0.0855	"	2.34	0.995	93	75-125	2.1	80	
Silver	0.463	0.0067	"	0.468	0.0172	95	75-125	7.4	80	
MS (L 94546-MS-L606848)			Source: 94546		Prepared: 03/24/2022 Analyzed: 03/29/2022					
Barium	35.8	0.042	mg/Kg	4.96	33.6	44	75-125			*
Zinc	37.3	0.534	"	24.8	13.9	94	75-125			
Silver	0.499	0.0067	"	0.496	0.0172	97	75-125			
Selenium	4.89	0.103	"	4.96	0.384	91	75-125			
Nickel	5.24	0.0633	"	2.48	2.82	98	75-125			
Lead	5.88	0.031	"	2.48	3.86	82	75-125			
Cadmium	0.484	0.0259	"	0.496	0.0625	85	75-125			
Arsenic	3.24	0.0855	"	2.48	0.995	91	75-125			
Copper	5.2	0.0806	"	2.48	3.07	86	75-125			
LCS (LCS-L606848)			Prepared: 03/24/2022 Analyzed: 03/29/2022							
Barium	4.82	0.042	mg/Kg	5		96	80-120			
Zinc	23.5	0.534	"	25		94	80-120			
Arsenic	2.54	0.0855	"	2.5		102	80-120			
Cadmium	0.469	0.0259	"	0.5		94	80-120			
Lead	2.37	0.031	"	2.5		95	80-120			

Origins Laboratory, Inc.



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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

Total Metals by 6020B - Quality Control
Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L606848 - 3050B

LCS (LCS-L606848)

Prepared: 03/24/2022 Analyzed: 03/29/2022

Nickel	2.51	0.0633	mg/Kg	2.5		100	80-120			
Selenium	4.83	0.103	"	5		97	80-120			
Copper	2.41	0.0806	"	2.5		96	80-120			
Silver	0.495	0.0067	"	0.5		99	80-120			

LRB (LRB-L606848)

Prepared: 03/24/2022 Analyzed: 03/29/2022

Arsenic	ND	0.25	mg/Kg				-			
Selenium	ND	0.25	"				-			
Barium	ND	0.25	"				-			
Cadmium	ND	0.25	"				-			
Copper	ND	0.25	"				-			
Lead	ND	0.25	"				-			
Nickel	ND	0.25	"				-			
Zinc	ND	2.5	"				-			
Silver	ND	0.25	"				-			

Origins Laboratory, Inc.



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Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

Total Metals by 7196A - Quality Control
Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L607686 -										
DUP (L 94521-DUP)		Source: 94521			Prepared: Analyzed: 03/29/2022					
Chromium, Hexavalent	ND	0.25	mg/Kg		94521	-		0	20	
MS (L 94521-MS)		Source: 94521			Prepared: Analyzed: 03/29/2022					
Chromium, Hexavalent	0.347	0.252	mg/Kg	8.27	94521	0	75-125			*
LCS (LCS)					Prepared: Analyzed: 03/29/2022					
Chromium, Hexavalent	6.95	0.244	mg/Kg	8		87	75-125			
LRB (LRB)					Prepared: Analyzed: 03/29/2022					
Chromium, Hexavalent	ND	0.5	mg/Kg							

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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

Notes and Definitions

- U Sample is Non-Detect.
- S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- J Estimated Value. Analyte below reported quantitation limit.
- B Analyte detected in associated method blank.
- * QC Failure
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- All soil results are reported on a wet weight basis.

Origins Laboratory, Inc.



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December 12, 2022

Tasman Geosciences

Andy Sagen

6855 West 119th Avenue

Broomfield CO 80020

Project Name - KMG - PSC 15-11

Project Number - [none]

Attached are your analytical results for KMG - PSC 15-11 received by Origins Laboratory, Inc. December 01, 2022. This project is associated with Origins project number Y212019-01.

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

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B08@10'	Y212019-01	Soil	December 1, 2022 10:25	12/01/2022 16:52
B09@10'	Y212019-02	Soil	December 1, 2022 10:30	12/01/2022 16:52
B10@10'	Y212019-03	Soil	December 1, 2022 10:35	12/01/2022 16:52
B11@10'	Y212019-04	Soil	December 1, 2022 10:40	12/01/2022 16:52
B12@10'	Y212019-05	Soil	December 1, 2022 10:45	12/01/2022 16:52
B13@10'	Y212019-06	Soil	December 1, 2022 10:50	12/01/2022 16:52
B14@10'	Y212019-07	Soil	December 1, 2022 10:55	12/01/2022 16:52
B15@10'	Y212019-08	Soil	December 1, 2022 11:00	12/01/2022 16:52
N05@6'	Y212019-09	Soil	December 1, 2022 11:05	12/01/2022 16:52
N06@6'	Y212019-10	Soil	December 1, 2022 11:10	12/01/2022 16:52
E09@6'	Y212019-11	Soil	December 1, 2022 11:15	12/01/2022 16:52
E10@6'	Y212019-12	Soil	December 1, 2022 11:20	12/01/2022 16:52
S02@6'	Y212019-13	Soil	December 1, 2022 11:25	12/01/2022 16:52
S03@6'	Y212019-14	Soil	December 1, 2022 11:30	12/01/2022 16:52

Origins Laboratory, Inc.



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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S04@6'	Y212019-15	Soil	December 1, 2022 11:35	12/01/2022 16:52
W04@6'	Y212019-16	Soil	December 1, 2022 11:40	12/01/2022 16:52
W05@6'	Y212019-17	Soil	December 1, 2022 11:45	12/01/2022 16:52
W06@6'	Y212019-18	Soil	December 1, 2022 11:50	12/01/2022 16:52
W07@6'	Y212019-19	Soil	December 1, 2022 11:55	12/01/2022 16:52
BG06@4'	Y212019-20	Soil	December 1, 2022 12:20	12/01/2022 16:52
BG07@4'	Y212019-21	Soil	December 1, 2022 12:40	12/01/2022 16:52
BG08@4'	Y212019-22	Soil	December 1, 2022 13:05	12/01/2022 16:52
BG05@5'	Y212019-23	Soil	December 1, 2022 13:15	12/01/2022 16:52
BG05@8'	Y212019-24	Soil	December 1, 2022 13:20	12/01/2022 16:52

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.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

www.originslaboratory.com

4212019 Imported page 1 of 3

Project Manager: Andy Sagen
Project Name: PSC 15-11
Project Number: [blank]

Samples Collected By: Brian Malson
Method of Delivery: (Circle One) Hand Delivered ☒ Thermal Load Drop Service Center Drop ☐ FedEx ☐ UPS ☐

Client: Ovi/Tasman
Address: 6855 W 119th Ave.
Broomfield, CO 80020

Telephone Number: PM Contact Number (720) 939-3631
Email Address: Ovi/Tasman@originslab.com

FOX: 303.265.9645

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative	Matrix	Analysis	Turnaround Time
B08010'	12-1-27	1025	2	X	Soil	Full Panel 915 includes: VOC (Distilled) Full TM, PAH SAR, CC, pH, Temp Nebul-As, As, Cd, Cr, Ni, Pb, Se Ag, Cu	Some Day <input checked="" type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input type="checkbox"/>
B09010'		1030					
B10010'		1035					
B11010'		1040					
B12010'		1045					
B13010'		1050					
B14010'		1055					
B15010'		1100					
N0506'		1105					
N0606'		1110					
Reinquired By: JMM	Date: 12-1-27	Time: 1652					
Reinquired By:	Date:	Time:					

1725 Elk Place Denver, CO 80211 Phone: 303.433.1322

32 Date Results Needed

Origins Laboratory, Inc.

Jefe Pellegrini

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

ORIGINS
LABORATORY, INC.

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Y212019

page 2 of 3

Client: Guy / Tamen

Address: 6935 W 11th Ave.
Broomfield, CO 80020

Telephone Number: PN Contact Number (720) 939-3631

Email Address: Guy / Tamen@originslab.com

Project Manager: Audly Sagen

Project Name: PSC 15-11

Project Number: Logan Malson

Samples Collected By: Logan Malson

Method of Delivery (Circle One): ☐ Hand Delivered ☒ Express Mail ☐ FedEx ☐ UPS

FOX: 303.265.9645

[illegible]

Origins Laboratory, Inc.

Jose Pellegrini

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

ORIGINS
LABORATORY, INC.

Client: Dry/Termus

Address: 8535 W 119th Ave.
Brownfield, CO 80020

Telephone Number: PW Contact Number (720) 939-3431

Email Address: Dry/Termusdistribution@originslab.com

Project Manager: Audy Sagen

Project Name: PSC 15-11

Project Number:

Samples Collected By: Logan 461507

Method of Delivery (Circle One): Hand Delivered ☐ Package Forward ☐ Lock Box Drop ☐ Service Center Drop ☐ UPS ☐

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page 3 of 3

Y212619

FOX: 303.265.9645

[illegible]

Date Results Needed

3.2

Origins Laboratory, Inc.

Jose Pellegrini

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4217019

Client: Tasman

Client Project ID: PSC 15-11

Checklist Completed by: JSK/DE

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

Date/time completed: 12/01/22

Airbill #: N/A

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

Cooler Number/Temperature: 1, 2, 3 °C °C °C (Describe) °C

Thermometer ID: TD04

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

Reviewed by (Project Manager) [Signature] Date/Time Reviewed 12/01/2022

Origins Laboratory, Inc.

Jefe Pellegrini

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

B08@10'

12/1/2022 10:25:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y212019-01 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2L0131	ADM	12/01/2022	12/02/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ADM	"	"	U

Surrogate: o-Terphenyl 76.9 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.0255	0.00200	mg/kg	1	B2L0119	JSM	12/01/2022	12/02/2022	
1,3,5-Trimethylbenzene	0.0175	0.00200	"	"	"	JSM	"	"	
Benzene	0.00278	0.00200	"	"	"	JSM	"	"	
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	0.00812	0.00200	"	"	"	JSM	"	"	
Gasoline Range Hydrocarbons	9.55	0.200	"	"	"	JSM	"	"	

Surrogate: 1,2-Dichloroethane-d4 103 % 70-130 " " "
Surrogate: Toluene-d8 104 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 105 % 70-130 " " "

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.0101	mg/Kg	5	L651908		12/05/2022	12/06/2022	
2-Methylnaphthalene	ND	0.0101	"	"	"		"	"	
Acenaphthene	ND	0.00335	"	"	"		"	"	

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.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

B08@10'

12/1/2022 10:25:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y212019-01 (Soil)

PAH by 8270D SIM

Anthracene	ND	0.00335	mg/Kg	5	L651908		12/05/2022	12/06/2022	
Benzo(a)anthracene	ND	0.00335	"	"	"		"	"	
Benzo(a)pyrene	ND	0.00335	"	"	"		"	"	
Benzo(b)fluoranthene	ND	0.00335	"	"	"		"	"	
Benzo(k)fluoranthene	ND	0.00335	"	"	"		"	"	
Chrysene	ND	0.00335	"	"	"		"	"	
Dibenz(a,h)anthracene	ND	0.00335	"	"	"		"	"	
Fluoranthene	ND	0.00335	"	"	"		"	"	
Fluorene	ND	0.00335	"	"	"		"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00335	"	"	"		"	"	
Naphthalene	ND	0.0101	"	"	"		"	"	
Pyrene	ND	0.00335	"	"	"		"	"	

Surrogate: 2-Fluorobiphenyl	54.7 %	33-115			"		"	"	
Surrogate: 4-Terphenyl-d14	64 %	33-122			"		"	"	
Surrogate: Nitrobenzene-d5	50.8 %	29-110			"		"	"	

Table 915 metals by EPA 6020B

Arsenic	1.84	0.0953	mg/kg	10	B2L0134	CIH	12/01/2022	12/01/2022	
Selenium	0.181	0.0953	"	"	"	CIH	"	"	

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.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

B09@10'

12/1/2022 10:30:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y212019-02 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2L0131	ADM	12/01/2022	12/02/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ADM	"	"	U

Surrogate: o-Terphenyl 76.1 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.00712	0.00200	mg/kg	1	B2L0119	JSM	12/01/2022	12/02/2022	
1,3,5-Trimethylbenzene	0.0127	0.00200	"	"	"	JSM	"	"	
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	0.0163	0.00200	"	"	"	JSM	"	"	
Gasoline Range Hydrocarbons	6.14	0.200	"	"	"	JSM	"	"	

Surrogate: 1,2-Dichloroethane-d4 105 % 70-130 " " "
Surrogate: Toluene-d8 102 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 89.3 % 70-130 " " "

PAH by 8270D SIM

1-Methylnaphthalene	0.00276	0.00201	mg/Kg	1	L651908		12/05/2022	12/06/2022	
2-Methylnaphthalene	0.00475	0.00201	"	"	"		"	"	
Acenaphthene	ND	0.00067	"	"	"		"	"	

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.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

B09@10'

12/1/2022 10:30:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y212019-02 (Soil)

PAH by 8270D SIM

Anthracene	ND	0.00067	mg/Kg	1	L651908		12/05/2022	12/06/2022	
Benzo(a)anthracene	0.000712	0.00067	"	"	"		"	"	
Benzo(a)pyrene	ND	0.00067	"	"	"		"	"	
Benzo(b)fluoranthene	ND	0.00067	"	"	"		"	"	
Benzo(k)fluoranthene	ND	0.00067	"	"	"		"	"	
Chrysene	0.000695	0.00067	"	"	"		"	"	
Dibenz(a,h)anthracene	ND	0.00067	"	"	"		"	"	
Fluoranthene	ND	0.00067	"	"	"		"	"	
Fluorene	0.00106	0.00067	"	"	"		"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00067	"	"	"		"	"	
Naphthalene	ND	0.00201	"	"	"		"	"	
Pyrene	0.000754	0.00067	"	"	"		"	"	

Surrogate: 2-Fluorobiphenyl	56.6 %	33-115			"		"	"	
Surrogate: 4-Terphenyl-d14	61.8 %	33-122			"		"	"	
Surrogate: Nitrobenzene-d5	53.5 %	29-110			"		"	"	

Table 915 metals by EPA 6020B

Arsenic	1.55	0.0945	mg/kg	10	B2L0134	CIH	12/01/2022	12/01/2022	
Selenium	ND	0.0945	"	"	"	CIH	"	"	U

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

B10@10'

12/1/2022 10:35:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y212019-03 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2L0131	ADM	12/01/2022	12/02/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ADM	"	"	U

Surrogate: o-Terphenyl 75.2 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2L0119	JSM	12/01/2022	12/02/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	JSM	"	"	U
Gasoline Range Hydrocarbons	2.93	0.200	"	"	"	JSM	"	"	

Surrogate: 1,2-Dichloroethane-d4 105 % 70-130 " " "
Surrogate: Toluene-d8 97.4 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 96.4 % 70-130 " " "

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.0101	mg/Kg	5	L651908		12/05/2022	12/06/2022	
2-Methylnaphthalene	ND	0.0101	"	"	"		"	"	
Acenaphthene	ND	0.00335	"	"	"		"	"	

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.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

B10@10'

12/1/2022 10:35:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y212019-03 (Soil)

PAH by 8270D SIM

Anthracene	ND	0.00335	mg/Kg	5	L651908		12/05/2022	12/06/2022	
Benzo(a)anthracene	0.00447	0.00335	"	"	"		"	"	
Benzo(a)pyrene	0.00397	0.00335	"	"	"		"	"	
Benzo(b)fluoranthene	ND	0.00335	"	"	"		"	"	
Benzo(k)fluoranthene	ND	0.00335	"	"	"		"	"	
Chrysene	0.0043	0.00335	"	"	"		"	"	
Dibenz(a,h)anthracene	ND	0.00335	"	"	"		"	"	
Fluoranthene	0.00655	0.00335	"	"	"		"	"	
Fluorene	ND	0.00335	"	"	"		"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00335	"	"	"		"	"	
Naphthalene	ND	0.0101	"	"	"		"	"	
Pyrene	0.00734	0.00335	"	"	"		"	"	

Surrogate: 2-Fluorobiphenyl	50.6 %	33-115			"		"	"	
Surrogate: 4-Terphenyl-d14	58.8 %	33-122			"		"	"	
Surrogate: Nitrobenzene-d5	46.4 %	29-110			"		"	"	

Table 915 metals by EPA 6020B

Arsenic	1.50	0.0856	mg/kg	10	B2L0134	CIH	12/01/2022	12/01/2022	
Selenium	ND	0.0856	"	"	"	CIH	"	"	U

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

B11@10'

12/1/2022 10:40:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y212019-04 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2L0131	ADM	12/01/2022	12/02/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ADM	"	"	U

Surrogate: o-Terphenyl 76.6 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2L0119	JSM	12/01/2022	12/02/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	JSM	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4 107 % 70-130 " " "
Surrogate: Toluene-d8 98.2 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 93.5 % 70-130 " " "

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00201	mg/Kg	1	L651908		12/05/2022	12/06/2022	
2-Methylnaphthalene	ND	0.00201	"	"	"		"	"	

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.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

B11@10'

12/1/2022 10:40:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y212019-04 (Soil)

PAH by 8270D SIM

Acenaphthene	ND	0.00067	mg/Kg	1	L651908		12/05/2022	12/06/2022	
Anthracene	ND	0.00067	"	"	"		"	"	
Benzo(a)anthracene	0.000757	0.00067	"	"	"		"	"	
Benzo(a)pyrene	0.000813	0.00067	"	"	"		"	"	
Benzo(b)fluoranthene	0.000964	0.00067	"	"	"		"	"	
Benzo(k)fluoranthene	ND	0.00067	"	"	"		"	"	
Chrysene	0.00101	0.00067	"	"	"		"	"	
Dibenz(a,h)anthracene	ND	0.00067	"	"	"		"	"	
Fluoranthene	ND	0.00067	"	"	"		"	"	
Fluorene	ND	0.00067	"	"	"		"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00067	"	"	"		"	"	
Naphthalene	ND	0.00201	"	"	"		"	"	
Pyrene	0.000935	0.00067	"	"	"		"	"	

Surrogate: 2-Fluorobiphenyl	52.8 %	33-115		"	"	"
Surrogate: 4-Terphenyl-d14	61 %	33-122		"	"	"
Surrogate: Nitrobenzene-d5	50.6 %	29-110		"	"	"

Table 915 metals by EPA 6020B

Arsenic	2.13	0.0879	mg/kg	10	B2L0134	CIH	12/01/2022	12/01/2022	
Selenium	ND	0.0879	"	"	"	CIH	"	"	U

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

B12@10'

12/1/2022 10:45:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y212019-05 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2L0131	ADM	12/01/2022	12/02/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ADM	"	"	U

Surrogate: o-Terphenyl 75.0 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2L0119	JSM	12/01/2022	12/02/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	JSM	"	"	U
Gasoline Range Hydrocarbons	0.652	0.200	"	"	"	JSM	"	"	

Surrogate: 1,2-Dichloroethane-d4 104 % 70-130 " " "
Surrogate: Toluene-d8 101 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 91.3 % 70-130 " " "

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00201	mg/Kg	1	L651908		12/05/2022	12/06/2022	
2-Methylnaphthalene	ND	0.00201	"	"	"		"	"	
Acenaphthene	ND	0.00067	"	"	"		"	"	

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.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

B12@10'

12/1/2022 10:45:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y212019-05 (Soil)

PAH by 8270D SIM

Anthracene	ND	0.00067	mg/Kg	1	L651908		12/05/2022	12/06/2022	
Benzo(a)anthracene	0.000673	0.00067	"	"	"		"	"	
Benzo(a)pyrene	ND	0.00067	"	"	"		"	"	
Benzo(b)fluoranthene	ND	0.00067	"	"	"		"	"	
Benzo(k)fluoranthene	ND	0.00067	"	"	"		"	"	
Chrysene	ND	0.00067	"	"	"		"	"	
Dibenz(a,h)anthracene	ND	0.00067	"	"	"		"	"	
Fluoranthene	ND	0.00067	"	"	"		"	"	
Fluorene	ND	0.00067	"	"	"		"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00067	"	"	"		"	"	
Naphthalene	ND	0.00201	"	"	"		"	"	
Pyrene	ND	0.00067	"	"	"		"	"	

Surrogate: 2-Fluorobiphenyl	48 %	33-115			"		"	"	
Surrogate: 4-Terphenyl-d14	59.5 %	33-122			"		"	"	
Surrogate: Nitrobenzene-d5	48 %	29-110			"		"	"	

Table 915 metals by EPA 6020B

Arsenic	0.898	0.0907	mg/kg	10	B2L0134	CIH	12/01/2022	12/01/2022	
Selenium	ND	0.0907	"	"	"	CIH	"	"	U

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

B13@10'

12/1/2022 10:50:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y212019-06 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2L0131	ADM	12/01/2022	12/02/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ADM	"	"	U

Surrogate: o-Terphenyl 73.7 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2L0119	JSM	12/01/2022	12/02/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	JSM	"	"	U
Gasoline Range Hydrocarbons	1.20	0.200	"	"	"	JSM	"	"	

Surrogate: 1,2-Dichloroethane-d4 115 % 70-130 " " "
Surrogate: Toluene-d8 99.4 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 91.8 % 70-130 " " "

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00201	mg/Kg	1	L651908		12/05/2022	12/06/2022	
2-Methylnaphthalene	0.00241	0.00201	"	"	"		"	"	
Acenaphthene	ND	0.00067	"	"	"		"	"	

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.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

B13@10'

12/1/2022 10:50:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y212019-06 (Soil)

PAH by 8270D SIM

Anthracene	ND	0.00067	mg/Kg	1	L651908		12/05/2022	12/06/2022
Benzo(a)anthracene	0.00476	0.00067	"	"	"		"	"
Benzo(a)pyrene	0.00348	0.00067	"	"	"		"	"
Benzo(b)fluoranthene	0.00322	0.00067	"	"	"		"	"
Benzo(k)fluoranthene	0.00152	0.00067	"	"	"		"	"
Chrysene	0.00537	0.00067	"	"	"		"	"
Dibenz(a,h)anthracene	ND	0.00067	"	"	"		"	"
Fluoranthene	0.00665	0.00067	"	"	"		"	"
Fluorene	0.000824	0.00067	"	"	"		"	"
Indeno(1,2,3-cd)pyrene	0.00133	0.00067	"	"	"		"	"
Naphthalene	ND	0.00201	"	"	"		"	"
Pyrene	0.00794	0.00067	"	"	"		"	"

Surrogate: 2-Fluorobiphenyl	55.9 %	33-115			"		"	"
Surrogate: 4-Terphenyl-d14	59.3 %	33-122			"		"	"
Surrogate: Nitrobenzene-d5	52.3 %	29-110			"		"	"

Table 915 metals by EPA 6020B

Arsenic	2.74	0.0961	mg/kg	10	B2L0134	CIH	12/01/2022	12/01/2022
Selenium	0.227	0.0961	"	"	"	CIH	"	"

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.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

B14@10'

12/1/2022 10:55:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y212019-07 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2L0131	ADM	12/01/2022	12/02/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ADM	"	"	U

Surrogate: o-Terphenyl 73.0 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2L0119	JSM	12/01/2022	12/02/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	JSM	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4 103 % 70-130 " " "
Surrogate: Toluene-d8 102 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 98.0 % 70-130 " " "

PAH by 8270D SIM

1-Methylnaphthalene	0.00258	0.00201	mg/Kg	1	L651908		12/05/2022	12/06/2022	
2-Methylnaphthalene	0.00401	0.00201	"	"	"		"	"	
Acenaphthene	ND	0.00067	"	"	"		"	"	

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.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

B14@10'

12/1/2022 10:55:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y212019-07 (Soil)

PAH by 8270D SIM

Anthracene	ND	0.00067	mg/Kg	1	L651908		12/05/2022	12/06/2022	
Benzo(a)anthracene	ND	0.00067	"	"	"		"	"	
Benzo(a)pyrene	0.000673	0.00067	"	"	"		"	"	
Benzo(b)fluoranthene	ND	0.00067	"	"	"		"	"	
Benzo(k)fluoranthene	ND	0.00067	"	"	"		"	"	
Chrysene	0.00118	0.00067	"	"	"		"	"	
Dibenz(a,h)anthracene	ND	0.00067	"	"	"		"	"	
Fluoranthene	ND	0.00067	"	"	"		"	"	
Fluorene	0.000825	0.00067	"	"	"		"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00067	"	"	"		"	"	
Naphthalene	ND	0.00201	"	"	"		"	"	
Pyrene	0.000967	0.00067	"	"	"		"	"	

Surrogate: 2-Fluorobiphenyl
Surrogate: 4-Terphenyl-d14
Surrogate: Nitrobenzene-d5

47.4 %	33-115	"	"	"
53.5 %	33-122	"	"	"
47.4 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	2.44	0.0947	mg/kg	10	B2L0134	CIH	12/01/2022	12/01/2022	
Selenium	0.107	0.0947	"	"	"	CIH	"	"	

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.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

B15@10'

12/1/2022 11:00:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y212019-08 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2L0131	ADM	12/01/2022	12/02/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ADM	"	"	U

Surrogate: o-Terphenyl 67.8 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2L0119	JSM	12/01/2022	12/02/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	JSM	"	"	U
Gasoline Range Hydrocarbons	0.891	0.200	"	"	"	JSM	"	"	

Surrogate: 1,2-Dichloroethane-d4 103 % 70-130 " " "
Surrogate: Toluene-d8 97.1 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 96.9 % 70-130 " " "

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00201	mg/Kg	1	L651908		12/05/2022	12/06/2022	
2-Methylnaphthalene	ND	0.00201	"	"	"		"	"	
Acenaphthene	ND	0.00067	"	"	"		"	"	

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.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

B15@10'

12/1/2022 11:00:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y212019-08 (Soil)

PAH by 8270D SIM

Anthracene	ND	0.00067	mg/Kg	1	L651908		12/05/2022	12/06/2022	
Benzo(a)anthracene	ND	0.00067	"	"	"		"	"	
Benzo(a)pyrene	ND	0.00067	"	"	"		"	"	
Benzo(b)fluoranthene	ND	0.00067	"	"	"		"	"	
Benzo(k)fluoranthene	ND	0.00067	"	"	"		"	"	
Chrysene	ND	0.00067	"	"	"		"	"	
Dibenz(a,h)anthracene	ND	0.00067	"	"	"		"	"	
Fluoranthene	ND	0.00067	"	"	"		"	"	
Fluorene	ND	0.00067	"	"	"		"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00067	"	"	"		"	"	
Naphthalene	ND	0.00201	"	"	"		"	"	
Pyrene	ND	0.00067	"	"	"		"	"	

Surrogate: 2-Fluorobiphenyl	55.7 %	33-115			"		"	"	
Surrogate: 4-Terphenyl-d14	63.9 %	33-122			"		"	"	
Surrogate: Nitrobenzene-d5	54.2 %	29-110			"		"	"	

Table 915 metals by EPA 6020B

Arsenic	2.11	0.0997	mg/kg	10	B2L0134	CIH	12/01/2022	12/01/2022	
Selenium	ND	0.0997	"	"	"	CIH	"	"	U

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

N05@6

12/1/2022 11:05:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y212019-09 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	1810	25.0	mg/kg	1	B2L0131	ADM	12/01/2022	12/02/2022
Residual Range Organics (C28-C40)	367	100	"	"	"	ADM	"	"

Surrogate: o-Terphenyl 66.3 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	10.9	0.500	mg/kg	250	B2L0119	ZZZ	12/01/2022	12/02/2022
1,3,5-Trimethylbenzene	8.21	0.500	"	"	"	ZZZ	"	"
Benzene	0.0109	0.00200	"	1	"	ZZZ	"	12/02/2022
Ethylbenzene	0.170	0.0500	"	25	"	HKS	"	12/02/2022
Toluene	0.700	0.500	"	250	"	ZZZ	"	12/02/2022
Xylenes, total	22.3	0.500	"	"	"	ZZZ	"	"
Gasoline Range Hydrocarbons	2010	50.0	"	"	"	ZZZ	"	"

Surrogate: 1,2-Dichloroethane-d4 95.7 % 70-130 " " "

Surrogate: Toluene-d8 88.0 % 70-130 " " "

Surrogate: 4-Bromofluorobenzene 91.9 % 70-130 " " "

PAH by 8270D SIM

1-Methylnaphthalene	0.193	0.0101	mg/Kg	5	L651908		12/05/2022	12/06/2022
2-Methylnaphthalene	0.365	0.0101	"	"	"		"	"
Acenaphthene	0.0382	0.00335	"	"	"		"	"
Anthracene	0.00346	0.00335	"	"	"		"	"

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.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

N05@6

12/1/2022 11:05:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y212019-09 (Soil)

PAH by 8270D SIM

Benzo(a)anthracene	0.00798	0.00335	mg/Kg	5	L651908		12/05/2022	12/06/2022	
Benzo(a)pyrene	ND	0.00335	"	"	"		"	"	
Benzo(b)fluoranthene	ND	0.00335	"	"	"		"	"	
Benzo(k)fluoranthene	ND	0.00335	"	"	"		"	"	
Chrysene	0.0311	0.00335	"	"	"		"	"	
Dibenz(a,h)anthracene	ND	0.00335	"	"	"		"	"	
Fluoranthene	0.00453	0.00335	"	"	"		"	"	
Fluorene	0.0482	0.00335	"	"	"		"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00335	"	"	"		"	"	
Naphthalene	0.117	0.0101	"	"	"		"	"	
Pyrene	0.0149	0.00335	"	"	"		"	"	

Surrogate: 2-Fluorobiphenyl	59.6 %	33-115			"		"	"	
Surrogate: 4-Terphenyl-d14	62.9 %	33-122			"		"	"	
Surrogate: Nitrobenzene-d5	48 %	29-110			"		"	"	

Table 915 metals by EPA 6020B

Arsenic	1.36	0.0959	mg/kg	10	B2L0134	CIH	12/01/2022	12/01/2022	
Selenium	0.109	0.0959	"	"	"	CIH	"	"	

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.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

N06@6'

12/1/2022 11:10:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y212019-10 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2L0131	ADM	12/01/2022	12/02/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ADM	"	"	U

Surrogate: o-Terphenyl 74.6 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.00316	0.00200	mg/kg	1	B2L0119	ZZZ	12/01/2022	12/02/2022	
1,3,5-Trimethylbenzene	0.00256	0.00200	"	"	"	ZZZ	"	"	
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	1.73	0.200	"	"	"	ZZZ	"	"	

Surrogate: 1,2-Dichloroethane-d4 103 % 70-130 " " "
Surrogate: Toluene-d8 88.6 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 92.3 % 70-130 " " "

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.0101	mg/Kg	5	L651908		12/05/2022	12/06/2022	
2-Methylnaphthalene	0.0146	0.0101	"	"	"		"	"	
Acenaphthene	ND	0.00335	"	"	"		"	"	

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.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

N06@6'

12/1/2022 11:10:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y212019-10 (Soil)

PAH by 8270D SIM

Anthracene	ND	0.00335	mg/Kg	5	L651908		12/05/2022	12/06/2022	
Benzo(a)anthracene	ND	0.00335	"	"	"		"	"	
Benzo(a)pyrene	ND	0.00335	"	"	"		"	"	
Benzo(b)fluoranthene	ND	0.00335	"	"	"		"	"	
Benzo(k)fluoranthene	ND	0.00335	"	"	"		"	"	
Chrysene	ND	0.00335	"	"	"		"	"	
Dibenz(a,h)anthracene	ND	0.00335	"	"	"		"	"	
Fluoranthene	ND	0.00335	"	"	"		"	"	
Fluorene	ND	0.00335	"	"	"		"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00335	"	"	"		"	"	
Naphthalene	ND	0.0101	"	"	"		"	"	
Pyrene	ND	0.00335	"	"	"		"	"	

Surrogate: 2-Fluorobiphenyl	54.1 %	33-115			"		"	"	
Surrogate: 4-Terphenyl-d14	61.1 %	33-122			"		"	"	
Surrogate: Nitrobenzene-d5	51.1 %	29-110			"		"	"	

Table 915 metals by EPA 6020B

Arsenic	2.55	0.0945	mg/kg	10	B2L0134	CIH	12/01/2022	12/01/2022	
Selenium	0.196	0.0945	"	"	"	CIH	"	"	

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.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

E09@6'

12/1/2022 11:15:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y212019-11 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2L0131	ADM	12/01/2022	12/02/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ADM	"	"	U

Surrogate: o-Terphenyl 81.9 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2L0119	ZZZ	12/01/2022	12/02/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4 102 % 70-130 " " "
Surrogate: Toluene-d8 89.3 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 89.2 % 70-130 " " "

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00201	mg/Kg	1	L651908		12/05/2022	12/06/2022	
2-Methylnaphthalene	ND	0.00201	"	"	"		"	"	

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.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

E09@6'

12/1/2022 11:15:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y212019-11 (Soil)

PAH by 8270D SIM

Acenaphthene	ND	0.00067	mg/Kg	1	L651908		12/05/2022	12/06/2022	
Anthracene	ND	0.00067	"	"	"		"	"	
Benzo(a)anthracene	ND	0.00067	"	"	"		"	"	
Benzo(a)pyrene	ND	0.00067	"	"	"		"	"	
Benzo(b)fluoranthene	ND	0.00067	"	"	"		"	"	
Benzo(k)fluoranthene	ND	0.00067	"	"	"		"	"	
Chrysene	ND	0.00067	"	"	"		"	"	
Dibenz(a,h)anthracene	ND	0.00067	"	"	"		"	"	
Fluoranthene	ND	0.00067	"	"	"		"	"	
Fluorene	ND	0.00067	"	"	"		"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00067	"	"	"		"	"	
Naphthalene	ND	0.00201	"	"	"		"	"	
Pyrene	ND	0.00067	"	"	"		"	"	

Surrogate: 2-Fluorobiphenyl	49.5 %	33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	59.5 %	33-122			"	"	"	
Surrogate: Nitrobenzene-d5	49.5 %	29-110			"	"	"	

Table 915 metals by EPA 6020B

Arsenic	1.28	0.0883	mg/kg	10	B2L0135	CIH	12/01/2022	12/01/2022	
Selenium	ND	0.0883	"	"	"	CIH	"	"	U

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

E10@6'

12/1/2022 11:20:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y212019-12 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2L0131	ADM	12/01/2022	12/02/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ADM	"	"	U

Surrogate: o-Terphenyl 76.6 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2L0119	ZZZ	12/01/2022	12/02/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	12/02/2022	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4 94.0 % 70-130 " " "
Surrogate: Toluene-d8 87.0 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 86.5 % 70-130 " " "

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00201	mg/Kg	1	L651908		12/05/2022	12/06/2022	
2-Methylnaphthalene	ND	0.00201	"	"	"		"	"	

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.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

E10@6'

12/1/2022 11:20:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y212019-12 (Soil)

PAH by 8270D SIM

Acenaphthene	ND	0.00067	mg/Kg	1	L651908		12/05/2022	12/06/2022	
Anthracene	ND	0.00067	"	"	"		"	"	
Benzo(a)anthracene	ND	0.00067	"	"	"		"	"	
Benzo(a)pyrene	ND	0.00067	"	"	"		"	"	
Benzo(b)fluoranthene	ND	0.00067	"	"	"		"	"	
Benzo(k)fluoranthene	ND	0.00067	"	"	"		"	"	
Chrysene	0.000939	0.00067	"	"	"		"	"	
Dibenz(a,h)anthracene	ND	0.00067	"	"	"		"	"	
Fluoranthene	ND	0.00067	"	"	"		"	"	
Fluorene	ND	0.00067	"	"	"		"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00067	"	"	"		"	"	
Naphthalene	ND	0.00201	"	"	"		"	"	
Pyrene	0.000853	0.00067	"	"	"		"	"	

Surrogate: 2-Fluorobiphenyl	47.1 %	33-115			"		"	"	
Surrogate: 4-Terphenyl-d14	50.5 %	33-122			"		"	"	
Surrogate: Nitrobenzene-d5	45.8 %	29-110			"		"	"	

Table 915 metals by EPA 6020B

Arsenic	2.52	0.0876	mg/kg	10	B2L0135	CIH	12/01/2022	12/01/2022	
Selenium	0.124	0.0876	"	"	"	CIH	"	"	

Origins Laboratory, Inc.



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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

S02@6'

12/1/2022 11:25:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y212019-13 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2L0131	ADM	12/01/2022	12/02/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ADM	"	"	U

Surrogate: o-Terphenyl 70.5 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2L0119	ZZZ	12/01/2022	12/02/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	2.90	0.200	"	"	"	ZZZ	"	"	

Surrogate: 1,2-Dichloroethane-d4 96.1 % 70-130 " " "
Surrogate: Toluene-d8 86.5 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 86.9 % 70-130 " " "

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00201	mg/Kg	1	L651908		12/05/2022	12/06/2022	
2-Methylnaphthalene	ND	0.00201	"	"	"		"	"	
Acenaphthene	ND	0.00067	"	"	"		"	"	

Origins Laboratory, Inc.



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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

S02@6'

12/1/2022 11:25:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y212019-13 (Soil)

PAH by 8270D SIM

Anthracene	ND	0.00067	mg/Kg	1	L651908		12/05/2022	12/06/2022
Benzo(a)anthracene	ND	0.00067	"	"	"		"	"
Benzo(a)pyrene	0.000756	0.00067	"	"	"		"	"
Benzo(b)fluoranthene	ND	0.00067	"	"	"		"	"
Benzo(k)fluoranthene	ND	0.00067	"	"	"		"	"
Chrysene	0.00148	0.00067	"	"	"		"	"
Dibenz(a,h)anthracene	ND	0.00067	"	"	"		"	"
Fluoranthene	ND	0.00067	"	"	"		"	"
Fluorene	ND	0.00067	"	"	"		"	"
Indeno(1,2,3-cd)pyrene	ND	0.00067	"	"	"		"	"
Naphthalene	ND	0.00201	"	"	"		"	"
Pyrene	0.00111	0.00067	"	"	"		"	"

Surrogate: 2-Fluorobiphenyl	51.4 %	33-115		"	"	"
Surrogate: 4-Terphenyl-d14	57.8 %	33-122		"	"	"
Surrogate: Nitrobenzene-d5	50.2 %	29-110		"	"	"

Table 915 metals by EPA 6020B

Arsenic	1.79	0.0910	mg/kg	10	B2L0135	CIH	12/01/2022	12/01/2022
Selenium	0.104	0.0910	"	"	"	CIH	"	"

Origins Laboratory, Inc.



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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

S03@6'

12/1/2022 11:30:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y212019-14 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2L0131	ADM	12/01/2022	12/02/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ADM	"	"	U

Surrogate: o-Terphenyl 78.1 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2L0119	ZZZ	12/01/2022	12/02/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4 95.7 % 70-130 " " "
Surrogate: Toluene-d8 86.5 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 86.8 % 70-130 " " "

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00201	mg/Kg	1	L651908		12/05/2022	12/06/2022	
2-Methylnaphthalene	ND	0.00201	"	"	"		"	"	

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.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

S03@6'

12/1/2022 11:30:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y212019-14 (Soil)

PAH by 8270D SIM

Acenaphthene	ND	0.00067	mg/Kg	1	L651908		12/05/2022	12/06/2022	
Anthracene	ND	0.00067	"	"	"		"	"	
Benzo(a)anthracene	ND	0.00067	"	"	"		"	"	
Benzo(a)pyrene	ND	0.00067	"	"	"		"	"	
Benzo(b)fluoranthene	ND	0.00067	"	"	"		"	"	
Benzo(k)fluoranthene	ND	0.00067	"	"	"		"	"	
Chrysene	ND	0.00067	"	"	"		"	"	
Dibenz(a,h)anthracene	ND	0.00067	"	"	"		"	"	
Fluoranthene	ND	0.00067	"	"	"		"	"	
Fluorene	ND	0.00067	"	"	"		"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00067	"	"	"		"	"	
Naphthalene	ND	0.00201	"	"	"		"	"	
Pyrene	ND	0.00067	"	"	"		"	"	

Surrogate: 2-Fluorobiphenyl	48.5 %	33-115			"		"	"	
Surrogate: 4-Terphenyl-d14	55.5 %	33-122			"		"	"	
Surrogate: Nitrobenzene-d5	47.3 %	29-110			"		"	"	

Table 915 metals by EPA 6020B

Arsenic	1.68	0.0906	mg/kg	10	B2L0135	CIH	12/01/2022	12/01/2022	
Selenium	0.131	0.0906	"	"	"	CIH	"	"	

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.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

S04@6'

12/1/2022 11:35:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y212019-15 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2L0131	ADM	12/01/2022	12/02/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ADM	"	"	U

Surrogate: o-Terphenyl 77.8 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2L0119	ZZZ	12/01/2022	12/02/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4 94.0 % 70-130 " " "
Surrogate: Toluene-d8 87.4 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 86.1 % 70-130 " " "

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00201	mg/Kg	1	L651908		12/05/2022	12/06/2022	
2-Methylnaphthalene	ND	0.00201	"	"	"		"	"	

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.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

S04@6'

12/1/2022 11:35:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y212019-15 (Soil)

PAH by 8270D SIM

Acenaphthene	ND	0.00067	mg/Kg	1	L651908		12/05/2022	12/06/2022	
Anthracene	ND	0.00067	"	"	"		"	"	
Benzo(a)anthracene	ND	0.00067	"	"	"		"	"	
Benzo(a)pyrene	ND	0.00067	"	"	"		"	"	
Benzo(b)fluoranthene	ND	0.00067	"	"	"		"	"	
Benzo(k)fluoranthene	ND	0.00067	"	"	"		"	"	
Chrysene	ND	0.00067	"	"	"		"	"	
Dibenz(a,h)anthracene	ND	0.00067	"	"	"		"	"	
Fluoranthene	ND	0.00067	"	"	"		"	"	
Fluorene	ND	0.00067	"	"	"		"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00067	"	"	"		"	"	
Naphthalene	ND	0.00201	"	"	"		"	"	
Pyrene	ND	0.00067	"	"	"		"	"	

Surrogate: 2-Fluorobiphenyl	50.5 %	33-115			"	"	"
Surrogate: 4-Terphenyl-d14	59.5 %	33-122			"	"	"
Surrogate: Nitrobenzene-d5	51.4 %	29-110			"	"	"

Table 915 metals by EPA 6020B

Arsenic	0.955	0.0943	mg/kg	10	B2L0135	CIH	12/01/2022	12/01/2022	
Selenium	ND	0.0943	"	"	"	CIH	"	"	U

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

W04@6'

12/1/2022 11:40:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y212019-16 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2L0131	ADM	12/01/2022	12/02/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ADM	"	"	U

Surrogate: o-Terphenyl 72.1 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2L0119	ZZZ	12/01/2022	12/02/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	1.60	0.200	"	"	"	ZZZ	"	"	

Surrogate: 1,2-Dichloroethane-d4 96.0 % 70-130 " " "
Surrogate: Toluene-d8 86.4 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 86.9 % 70-130 " " "

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.0101	mg/Kg	5	L651908		12/05/2022	12/06/2022	
2-Methylnaphthalene	ND	0.0101	"	"	"		"	"	
Acenaphthene	ND	0.00335	"	"	"		"	"	

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.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

W04@6'

12/1/2022 11:40:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y212019-16 (Soil)

PAH by 8270D SIM

Anthracene	ND	0.00335	mg/Kg	5	L651908		12/05/2022	12/06/2022
Benzo(a)anthracene	0.00343	0.00335	"	"	"		"	"
Benzo(a)pyrene	ND	0.00335	"	"	"		"	"
Benzo(b)fluoranthene	ND	0.00335	"	"	"		"	"
Benzo(k)fluoranthene	ND	0.00335	"	"	"		"	"
Chrysene	ND	0.00335	"	"	"		"	"
Dibenz(a,h)anthracene	ND	0.00335	"	"	"		"	"
Fluoranthene	0.00468	0.00335	"	"	"		"	"
Fluorene	ND	0.00335	"	"	"		"	"
Indeno(1,2,3-cd)pyrene	ND	0.00335	"	"	"		"	"
Naphthalene	ND	0.0101	"	"	"		"	"
Pyrene	0.00468	0.00335	"	"	"		"	"

Surrogate: 2-Fluorobiphenyl	47.1 %	33-115			"		"	"
Surrogate: 4-Terphenyl-d14	61.5 %	33-122			"		"	"
Surrogate: Nitrobenzene-d5	46.5 %	29-110			"		"	"

Table 915 metals by EPA 6020B

Arsenic	2.25	0.0880	mg/kg	10	B2L0135	CIH	12/01/2022	12/01/2022
Selenium	0.176	0.0880	"	"	"	CIH	"	"

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.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

W05@6'

12/1/2022 11:45:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y212019-17 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2L0131	ADM	12/01/2022	12/02/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ADM	"	"	U

Surrogate: o-Terphenyl 71.5 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2L0119	ZZZ	12/01/2022	12/02/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	0.230	0.200	"	"	"	ZZZ	"	"	

Surrogate: 1,2-Dichloroethane-d4 96.1 % 70-130 " " "
Surrogate: Toluene-d8 87.2 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 86.8 % 70-130 " " "

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00201	mg/Kg	1	L651908		12/05/2022	12/06/2022	
2-Methylnaphthalene	ND	0.00201	"	"	"		"	"	
Acenaphthene	ND	0.00067	"	"	"		"	"	

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.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

W05@6'

12/1/2022 11:45:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y212019-17 (Soil)

PAH by 8270D SIM

Anthracene	ND	0.00067	mg/Kg	1	L651908		12/05/2022	12/06/2022
Benzo(a)anthracene	0.000789	0.00067	"	"	"		"	"
Benzo(a)pyrene	ND	0.00067	"	"	"		"	"
Benzo(b)fluoranthene	0.000698	0.00067	"	"	"		"	"
Benzo(k)fluoranthene	ND	0.00067	"	"	"		"	"
Chrysene	0.00109	0.00067	"	"	"		"	"
Dibenz(a,h)anthracene	ND	0.00067	"	"	"		"	"
Fluoranthene	ND	0.00067	"	"	"		"	"
Fluorene	0.00129	0.00067	"	"	"		"	"
Indeno(1,2,3-cd)pyrene	ND	0.00067	"	"	"		"	"
Naphthalene	ND	0.00201	"	"	"		"	"
Pyrene	0.000921	0.00067	"	"	"		"	"

Surrogate: 2-Fluorobiphenyl	36.8 %	33-115			"		"	"
Surrogate: 4-Terphenyl-d14	39.3 %	33-122			"		"	"
Surrogate: Nitrobenzene-d5	36.5 %	29-110			"		"	"

Table 915 metals by EPA 6020B

Arsenic	2.16	0.0973	mg/kg	10	B2L0135	CIH	12/01/2022	12/01/2022
Selenium	0.187	0.0973	"	"	"	CIH	"	"

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.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

W06@6'

12/1/2022 11:50:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y212019-18 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2L0131	ADM	12/01/2022	12/02/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ADM	"	"	U

Surrogate: o-Terphenyl 72.8 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2L0119	HKS	12/01/2022	12/02/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Benzene	ND	0.00200	"	"	"	HKS	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Toluene	ND	0.00200	"	"	"	HKS	"	"	U
Xylenes, total	ND	0.00200	"	"	"	HKS	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HKS	"	"	U

Surrogate: 1,2-Dichloroethane-d4 119 % 70-130 " " "
Surrogate: Toluene-d8 94.0 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 102 % 70-130 " " "

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.0101	mg/Kg	5	L651908		12/05/2022	12/06/2022	
2-Methylnaphthalene	ND	0.0101	"	"	"		"	"	

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.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

W06@6'

12/1/2022 11:50:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y212019-18 (Soil)

PAH by 8270D SIM

Acenaphthene	ND	0.00335	mg/Kg	5	L651908		12/05/2022	12/06/2022	
Anthracene	ND	0.00335	"	"	"		"	"	
Benzo(a)anthracene	ND	0.00335	"	"	"		"	"	
Benzo(a)pyrene	ND	0.00335	"	"	"		"	"	
Benzo(b)fluoranthene	ND	0.00335	"	"	"		"	"	
Benzo(k)fluoranthene	ND	0.00335	"	"	"		"	"	
Chrysene	ND	0.00335	"	"	"		"	"	
Dibenz(a,h)anthracene	ND	0.00335	"	"	"		"	"	
Fluoranthene	ND	0.00335	"	"	"		"	"	
Fluorene	ND	0.00335	"	"	"		"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00335	"	"	"		"	"	
Naphthalene	ND	0.0101	"	"	"		"	"	
Pyrene	ND	0.00335	"	"	"		"	"	

Surrogate: 2-Fluorobiphenyl	46.3 %	33-115			"		"	"	
Surrogate: 4-Terphenyl-d14	53.4 %	33-122			"		"	"	
Surrogate: Nitrobenzene-d5	45.1 %	29-110			"		"	"	

Table 915 metals by EPA 6020B

Arsenic	2.54	0.0845	mg/kg	10	B2L0135	CIH	12/01/2022	12/01/2022	
Selenium	0.191	0.0845	"	"	"	CIH	"	"	

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.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

W07@6'

12/1/2022 11:55:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y212019-19 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	82.8	25.0	mg/kg	1	B2L0131	ADM	12/01/2022	12/02/2022	
Residual Range Organics (C28-C40)	ND	100	"	"	"	ADM	"	"	U

Surrogate: o-Terphenyl 76.4 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2L0119	HKS	12/01/2022	12/02/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Benzene	ND	0.00200	"	"	"	HKS	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Toluene	ND	0.00200	"	"	"	HKS	"	"	U
Xylenes, total	ND	0.00200	"	"	"	HKS	"	"	U
Gasoline Range Hydrocarbons	13.2	0.200	"	"	"	HKS	"	"	

Surrogate: 1,2-Dichloroethane-d4 119 % 70-130 " " "
Surrogate: Toluene-d8 93.5 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 103 % 70-130 " " "

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00201	mg/Kg	1	L651908		12/05/2022	12/06/2022	
2-Methylnaphthalene	ND	0.00201	"	"	"		"	"	
Acenaphthene	ND	0.00067	"	"	"		"	"	

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.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

W07@6'

12/1/2022 11:55:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y212019-19 (Soil)

PAH by 8270D SIM

Anthracene	ND	0.00067	mg/Kg	1	L651908		12/05/2022	12/06/2022	
Benzo(a)anthracene	ND	0.00067	"	"	"		"	"	
Benzo(a)pyrene	ND	0.00067	"	"	"		"	"	
Benzo(b)fluoranthene	ND	0.00067	"	"	"		"	"	
Benzo(k)fluoranthene	ND	0.00067	"	"	"		"	"	
Chrysene	ND	0.00067	"	"	"		"	"	
Dibenz(a,h)anthracene	ND	0.00067	"	"	"		"	"	
Fluoranthene	ND	0.00067	"	"	"		"	"	
Fluorene	ND	0.00067	"	"	"		"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00067	"	"	"		"	"	
Naphthalene	ND	0.00201	"	"	"		"	"	
Pyrene	ND	0.00067	"	"	"		"	"	

Surrogate: 2-Fluorobiphenyl	50.5 %	33-115			"		"	"	
Surrogate: 4-Terphenyl-d14	53.8 %	33-122			"		"	"	
Surrogate: Nitrobenzene-d5	47.1 %	29-110			"		"	"	

Table 915 metals by EPA 6020B

Arsenic	0.725	0.0962	mg/kg	10	B2L0135	CIH	12/01/2022	12/01/2022	
Selenium	ND	0.0962	"	"	"	CIH	"	"	U

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

BG06@4'
12/1/2022 12:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y212019-20 (Soil)

Table 915 metals by EPA 6020B

Arsenic	0.953	0.0850	mg/kg	10	B2L0135	CIH	12/01/2022	12/01/2022	
Selenium	ND	0.0850	"	"	"	CIH	"	"	U

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Tasman Geosciences

6855 West 119th Avenue

Broomfield CO 80020

Andy Sagen

Project Number: [none]

Project: KMG - PSC 15-11

BG07@4'

12/1/2022 12:40:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y212019-21 (Soil)

Table 915 metals by EPA 6020B

Arsenic	1.50	0.0968	mg/kg	10	B2L0136	CIH	12/01/2022	12/01/2022	
Selenium	ND	0.0968	"	"	"	CIH	"	"	U

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

BG08@4'
12/1/2022 1:05:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y212019-22 (Soil)

Table 915 metals by EPA 6020B

Arsenic	4.03	0.0965	mg/kg	10	B2L0136	CIH	12/01/2022	12/02/2022
Selenium	0.107	0.0965	"	"	"	CIH	"	"

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.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

BG05@5'

12/1/2022 1:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y212019-23 (Soil)

Table 915 metals by EPA 6020B

Arsenic	0.396	0.0895	mg/kg	10	B2L0136	CIH	12/01/2022	12/02/2022	
Selenium	ND	0.0895	"	"	"	CIH	"	"	U

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

BG05@8'

12/1/2022 1:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y212019-24 (Soil)

Table 915 metals by EPA 6020B

Arsenic	1.67	0.0879	mg/kg	10	B2L0136	CIH	12/01/2022	12/02/2022	
Selenium	ND	0.0879	"	"	"	CIH	"	"	U

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

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 B2L0119 - EPA 5030 (soil)										
Blank (B2L0119-BLK1)					Prepared: 12/01/2022 Analyzed: 12/02/2022					
1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		99.7	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.8	70-130			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

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 B2L0119 - EPA 5030 (soil)										
LCS (B2L0119-BS1)					Prepared: 12/01/2022 Analyzed: 12/02/2022					
1,2,4-Trimethylbenzene	0.116	0.00200	mg/kg	0.100		116	70-130			
1,3,5-Trimethylbenzene	0.116	0.00200	"	0.100		116	70-130			
Benzene	0.106	0.00200	"	0.100		106	70-130			
Ethylbenzene	0.114	0.00200	"	0.100		114	70-130			
Naphthalene	0.0949	0.00380	"	0.100		94.9	70-130			
Toluene	0.105	0.00200	"	0.100		105	70-130			
o-Xylene	0.112	0.00200	"	0.100		112	70-130			
m,p-Xylene	0.223	0.00400	"	0.200		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		96.9	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		103	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.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2L0119 - EPA 5030 (soil)

Matrix Spike (B2L0119-MS1)		Source: Y212019-01			Prepared: 12/01/2022 Analyzed: 12/02/2022					
1,2,4-Trimethylbenzene	0.228	0.00200	mg/kg	0.200	0.0255	101	70-130			
1,3,5-Trimethylbenzene	0.219	0.00200	"	0.200	0.0175	101	70-130			
Benzene	0.197	0.00200	"	0.200	0.00278	97.1	70-130			
Ethylbenzene	0.201	0.00200	"	0.200	0.00106	99.8	70-130			
Naphthalene	0.174	0.00380	"	0.200	0.00218	85.9	70-130			
Toluene	0.195	0.00200	"	0.200	ND	97.6	70-130			
o-Xylene	0.204	0.00200	"	0.200	0.00214	101	70-130			
m,p-Xylene	0.397	0.00400	"	0.400	0.00598	97.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		97.8	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		107	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		91.7	70-130			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

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 B2L0119 - EPA 5030 (soil)										
Matrix Spike Dup (B2L0119-MSD1)		Source: Y212019-01			Prepared: 12/01/2022 Analyzed: 12/02/2022					
1,2,4-Trimethylbenzene	0.221	0.00200	mg/kg	0.200	0.0255	97.8	70-130	3.17	20	
1,3,5-Trimethylbenzene	0.210	0.00200	"	0.200	0.0175	96.0	70-130	4.50	20	
Benzene	0.196	0.00200	"	0.200	0.00278	96.7	70-130	0.387	20	
Ethylbenzene	0.198	0.00200	"	0.200	0.00106	98.7	70-130	1.11	20	
Naphthalene	0.179	0.00380	"	0.200	0.00218	88.6	70-130	3.13	20	
Toluene	0.195	0.00200	"	0.200	ND	97.3	70-130	0.257	20	
o-Xylene	0.203	0.00200	"	0.200	0.00214	100	70-130	0.384	20	
m,p-Xylene	0.396	0.00400	"	0.400	0.00598	97.6	70-130	0.287	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		97.0	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		103	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		96.3	70-130			

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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

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 B2L0131 - EPA 3580										
Blank (B2L0131-BLK1)					Prepared: 12/01/2022 Analyzed: 12/02/2022					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	20		"	24.9		82.0	50-150			

Origins Laboratory, Inc.



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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

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 B2L0131 - EPA 3580

LCS (B2L0131-BS1)

Prepared: 12/01/2022 Analyzed: 12/02/2022

Diesel (C10-C28)	960	50.0	mg/kg	1000		96.0	70-130			
Residual Range Organics (C28-C40)	972	200	"	1000		97.2	70-130			
Surrogate: o-Terphenyl	41		"	49.8		82.4	50-150			

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Jen Pellegrini For Noelle Doyle Mathis, President

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

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 B2L0131 - EPA 3580

Matrix Spike (B2L0131-MS1)		Source: Y212019-01			Prepared: 12/01/2022 Analyzed: 12/02/2022					
Diesel (C10-C28)	951	50.0	mg/kg	1000	ND	95.1	70-130			
Residual Range Organics (C28-C40)	941	200	"	1000	ND	94.1	70-130			
Surrogate: o-Terphenyl	38		"	49.8		75.6	50-150			

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Tasman Geosciences
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Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

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 B2L0131 - EPA 3580

Matrix Spike Dup (B2L0131-MSD1)		Source: Y212019-01			Prepared: 12/01/2022 Analyzed: 12/02/2022					
Diesel (C10-C28)	930	50.0	mg/kg	1000	ND	93.0	70-130	2.29	35	
Residual Range Organics (C28-C40)	944	200	"	1000	ND	94.4	70-130	0.370	35	
Surrogate: o-Terphenyl	38		"	49.8		75.9	50-150			

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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

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 B2L0134 - EPA 3050B

Blank (B2L0134-BLK1)

Prepared: 12/01/2022 Analyzed: 12/01/2022

Arsenic	ND	0.000100	mg/kg							U
Selenium	ND	0.000100	"							U

LCS (B2L0134-BS1)

Prepared: 12/01/2022 Analyzed: 12/01/2022

Arsenic	0.0513	0.000100	mg/kg	0.0500		103	80-120			
Selenium	0.0486	0.000100	"	0.0500		97.1	80-120			

Matrix Spike (B2L0134-MS1)

Source: Y212019-01

Prepared: 12/01/2022 Analyzed: 12/01/2022

Arsenic	5.58	0.0938	mg/kg	4.69	1.84	79.7	75-125			
Selenium	4.58	0.0938	"	4.69	0.181	93.7	75-125			

Matrix Spike Dup (B2L0134-MSD1)

Source: Y212019-01

Prepared: 12/01/2022 Analyzed: 12/01/2022

Arsenic	5.41	0.0874	mg/kg	4.37	1.84	81.5	75-125	3.14	20	
Selenium	4.04	0.0874	"	4.37	0.181	88.3	75-125	12.4	20	

Batch B2L0135 - EPA 3050B

Blank (B2L0135-BLK1)

Prepared: 12/01/2022 Analyzed: 12/01/2022

Arsenic	ND	0.000100	mg/kg							U
Selenium	ND	0.000100	"							U

LCS (B2L0135-BS1)

Prepared: 12/01/2022 Analyzed: 12/01/2022

Arsenic	0.0514	0.000100	mg/kg	0.0500		103	80-120			
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Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

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 B2L0135 - EPA 3050B

LCS (B2L0135-BS1)

Prepared: 12/01/2022 Analyzed: 12/01/2022

Selenium	0.0491	0.000100	mg/kg	0.0500	98.2	80-120
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Matrix Spike (B2L0135-MS1)

Source: Y212019-11

Prepared: 12/01/2022 Analyzed: 12/01/2022

Arsenic	5.76	0.0845	mg/kg	4.23	1.28	106	75-125
Selenium	4.05	0.0845	"	4.23	0.0494	94.7	75-125

Matrix Spike Dup (B2L0135-MSD1)

Source: Y212019-11

Prepared: 12/01/2022 Analyzed: 12/01/2022

Arsenic	5.90	0.0983	mg/kg	4.91	1.28	94.0	75-125	2.47	20
Selenium	4.74	0.0983	"	4.91	0.0494	95.5	75-125	15.7	20

Batch B2L0136 - EPA 3050B

Blank (B2L0136-BLK1)

Prepared: 12/01/2022 Analyzed: 12/01/2022

Arsenic	ND	0.000100	mg/kg						U
Barium	ND	0.0100	"						U
Lead	ND	0.0100	"						U

LCS (B2L0136-BS1)

Prepared: 12/01/2022 Analyzed: 12/01/2022

Arsenic	0.0511	0.000100	mg/kg	0.0500	102	80-120
Barium	5.24	0.0100	"	5.00	105	80-120
Lead	0.0513	0.0100	"	0.0500	103	80-120

Matrix Spike (B2L0136-MS1)

Source: Y212019-21

Prepared: 12/01/2022 Analyzed: 12/01/2022

Arsenic	6.58	0.0974	mg/kg	4.87	1.50	104	75-125		
Barium	591	9.74	"	487	69.1	107	75-125		
Lead	14.5	9.74	"	4.87	5.34	187	75-125		QM-07

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Tasman Geosciences
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Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

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 B2L0136 - EPA 3050B

Matrix Spike Dup (B2L0136-MSD1)		Source: Y212019-21			Prepared: 12/01/2022 Analyzed: 12/01/2022					
Arsenic	5.82	0.0905	mg/kg	4.52	1.50	95.5	75-125	12.3	20	
Barium	538	9.05	"	452	69.1	104	75-125	9.31	20	
Lead	12.1	9.05	"	4.52	5.34	150	75-125	17.6	20	QM-07

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Jen Pellegrini For Noelle Doyle Mathis, President

Tasman Geosciences
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Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

PAH by 8270D SIM - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L651908 - 3550B

MSD (L 97218-MSD-L651908)		Source: Y212019-02			Prepared: 12/05/2022 Analyzed: 12/06/2022					
Benzo(a)anthracene	0.0848	0.00067	mg/Kg	0.163	0.000712	51.5	30-130	11.1	30	
1-Methylnaphthalene	0.0896	0.00201	"	0.163	0.00276	53.2	30-130	6.5	30	
2-Methylnaphthalene	0.0883	0.00201	"	0.163	0.00475	51.2	30-130	6.1	30	
Acenaphthene	0.086	0.00067	"	0.163	0.000476	52.4	30-130	9.7	30	
Anthracene	0.0867	0.00067	"	0.163	<0.000334	53.1	30-130	4	30	
Pyrene	0.0839	0.00067	"	0.163	0.000754	51	30-130	8.1	30	
Benzo(a)pyrene	0.0803	0.00067	"	0.163	<0.000468	49.2	30-130	10.1	30	
Benzo(b)fluoranthene	0.0864	0.00067	"	0.163	<0.000585	53	30-130	7.6	30	
Benzo(k)fluoranthene	0.0912	0.00067	"	0.163	<0.000437	55.9	30-130	10.1	30	
Chrysene	0.0855	0.00067	"	0.163	0.000695	52	30-130	5.4	30	
Dibenz(a,h)anthracene	0.0969	0.00067	"	0.163	<0.000614	59.4	30-130	17	30	
Fluoranthene	0.0866	0.00067	"	0.163	0.000493	52.8	30-130	5.2	30	
Fluorene	0.0861	0.00067	"	0.163	0.00106	52.1	30-130	9.8	30	
Indeno(1,2,3-cd)pyrene	0.0875	0.00067	"	0.163	<0.000627	53.6	30-130	14.3	30	
Naphthalene	0.0859	0.00201	"	0.163	0.00162	51.7	30-130	6	30	
Surrogate: 4-Terphenyl-d14	62.5		"	0.326	201	62.5	33-122			
Surrogate: 2-Fluorobiphenyl	52.1		"	0.326	184	52.1	33-115			
Surrogate: Nitrobenzene-d5	50		"	0.326	174	50	29-110			

MS (L 97218-MS-L651908)		Source: Y212019-02			Prepared: 12/05/2022 Analyzed: 12/06/2022					
Benzo(b)fluoranthene	0.0933	0.00067	mg/Kg	0.167	<0.000585	55.8	30-130			
Benzo(a)pyrene	0.0889	0.00067	"	0.167	<0.000468	53.2	30-130			
1-Methylnaphthalene	0.0957	0.00201	"	0.167	0.00276	55.6	30-130			
2-Methylnaphthalene	0.0939	0.00201	"	0.167	0.00475	53.3	30-130			
Acenaphthene	0.0948	0.00067	"	0.167	0.000476	56.4	30-130			
Anthracene	0.0903	0.00067	"	0.167	<0.000334	54	30-130			
Chrysene	0.0903	0.00067	"	0.167	0.000695	53.6	30-130			

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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

PAH by 8270D SIM - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L651908 - 3550B

MS (L 97218-MS-L651908)		Source: Y212019-02			Prepared: 12/05/2022 Analyzed: 12/06/2022					
Benzo(a)anthracene	0.0948	0.00067	mg/Kg	0.167	0.000712	56.3	30-130			
Pyrene	0.091	0.00067	"	0.167	0.000754	54	30-130			
Benzo(k)fluoranthene	0.101	0.00067	"	0.167	<0.000437	60.4	30-130			
Dibenz(a,h)anthracene	0.115	0.00067	"	0.167	<0.000614	68.8	30-130			
Fluoranthene	0.0913	0.00067	"	0.167	0.000493	54.3	30-130			
Fluorene	0.095	0.00067	"	0.167	0.00106	56.2	30-130			
Indeno(1,2,3-cd)pyrene	0.101	0.00067	"	0.167	<0.000627	60.4	30-130			
Naphthalene	0.0913	0.00201	"	0.167	0.00162	53.7	30-130			
Surrogate: 2-Fluorobiphenyl	55.8		"	0.333	184	55.8	33-115			
Surrogate: 4-Terphenyl-d14	65.1		"	0.333	201	65.1	33-122			
Surrogate: Nitrobenzene-d5	53.7		"	0.333	174	53.7	29-110			

LCS (LCS-L651908)		Prepared: 12/05/2022 Analyzed: 12/06/2022								
Benzo(a)pyrene	0.0882	0.00067	mg/Kg	0.167		52.8	30-130			
1-Methylnaphthalene	0.0887	0.00201	"	0.167		53.1	30-130			
2-Methylnaphthalene	0.0827	0.00201	"	0.167		49.5	30-130			
Acenaphthene	0.0839	0.00067	"	0.167		50.2	30-130			
Anthracene	0.0859	0.00067	"	0.167		51.4	30-130			
Benzo(a)anthracene	0.0869	0.00067	"	0.167		52	30-130			
Benzo(b)fluoranthene	0.0928	0.00067	"	0.167		55.5	30-130			
Chrysene	0.088	0.00067	"	0.167		52.6	30-130			
Dibenz(a,h)anthracene	0.114	0.00067	"	0.167		68.2	30-130			
Fluoranthene	0.0861	0.00067	"	0.167		51.5	30-130			
Fluorene	0.0826	0.00067	"	0.167		49.4	30-130			
Benzo(k)fluoranthene	0.0951	0.00067	"	0.167		56.9	30-130			
Naphthalene	0.0865	0.00201	"	0.167		51.7	30-130			
Indeno(1,2,3-cd)pyrene	0.103	0.00067	"	0.167		61.6	30-130			

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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

PAH by 8270D SIM - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L651908 - 3550B

LCS (LCS-L651908)

Prepared: 12/05/2022 Analyzed: 12/06/2022

Pyrene	0.0852	0.00067	mg/Kg	0.167		51	30-130			
Surrogate: Nitrobenzene-d5	50.7		"	0.333		50.7	29-110			
Surrogate: 2-Fluorobiphenyl	53.1		"	0.333		53.1	33-115			
Surrogate: 4-Terphenyl-d14	63.9		"	0.333		63.9	33-122			

LRB (LRB-L651908)

Prepared: 12/05/2022 Analyzed: 12/06/2022

Fluorene	ND	0.00067	mg/Kg				-			
Naphthalene	ND	0.00201	"				-			
Pyrene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00201	"				-			
1-Methylnaphthalene	ND	0.00201	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Surrogate: Nitrobenzene-d5	52.8		"	0.333		52.8	29-110			
Surrogate: 4-Terphenyl-d14	71.4		"	0.333		71.4	33-122			
Surrogate: 2-Fluorobiphenyl	54.6		"	0.333		54.6	33-115			

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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - PSC 15-11

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 at a wet weight basis.

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Jen Pellegrini For Noelle Doyle Mathis, President