



October 08, 2019

Tasman Geosciences

Bob Cornez

6855 Wet 119th Avenue

Broomfield CO 80020

Project Name - KMG - Streed 15-13A

Project Number - 2147286

Attached are your analytical results for KMG - Streed 15-13A received by Origins Laboratory, Inc. October 01, 2019. This project is associated with Origins project number Y910017-01.

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 Wet 119th Avenue
Broomfield CO 80020

Bob Cornez
Project Number: 2147286
Project: KMG - Streed 15-13A

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
N01@3'	Y910017-01	Soil	October 1, 2019 14:38	10/01/2019 16:25
S01@3'	Y910017-02	Soil	October 1, 2019 14:40	10/01/2019 16:25
E01@3'	Y910017-03	Soil	October 1, 2019 14:50	10/01/2019 16:25
W01@3'	Y910017-04	Soil	October 1, 2019 14:45	10/01/2019 16:25
B01@4'	Y910017-05	Soil	October 1, 2019 14:55	10/01/2019 16:25
GW01	Y910017-07	Water	October 1, 2019 14:30	10/01/2019 16:25

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.

Bob Cornez
Project Number: 2147286
Project: KMG - Streed 15-13A

ORIGINS

LABORATORY, INC

www.originslaboratory.com

y910017

page 1 of 1

Client:	APC/OXYTASMAN
Address:	6855 W 119th Ave
Telephone Number:	970-927-0393
Email Address:	[cornez@tasman-geo.com]

Project Manager:	Robert Cornez
Project Name:	Street 15-13A
Project Number:	2147286
Samples Collected By:	RA/BL

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative					Matrix			Analysis					Sample Instructions	
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Sampling Container #	Other	G BTEX-N	T PH DRO	EC	PB	SAR	BTEX	
N1021	10/1/19	14:30	1	X					X			X						1
S01031		14:40	1															2
E01031		14:50	1															3
LW1031		14:45	1															4
B01031		14:55	2															5
B01031		15:00	1															6
LW1031		14:30	3															7
																		8
																		9
																		10
Relinquished By:	Date:	Time:	Time:	Received By:				Received By:				Date:	Time:	Turnaround Time:				
JPC	10/1/19	16:25	16:25									10/1/19	16:25	Some Day ☐ 24 Hr ☐ 48 Hr ☐ 72 Hr ☐ Standard ☐				
Relinquished By:	Date:	Time:	Time:	Received By:				Received By:				Date:	Time:	Turnaround Time:				

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

Origins Laboratory, Inc.

Jeff Pellipini

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 Wet 119th Avenue
Broomfield CO 80020

Bob Cornez
Project Number: 2147286
Project: KMG - Streed 15-13A

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: Y910017

Client: Tasman

Client Project ID: Streed 15-13A

Checklist Completed by: JG

Shipped Via: HD

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

Date/time completed: 10/1/2019

Airbill #: N/A

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

Cooler Number/Temperature: 1 / 8.1 °C / _____ °C / _____ °C (Describe)

Thermometer ID: T003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 8°C ⁽¹⁾ ?		<input checked="" type="checkbox"/>		<u>Same Day</u>
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.		<input checked="" type="checkbox"/>		
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontrasted analyses in order to insure sample integrity)(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)		<input checked="" type="checkbox"/>		
Additional Comments (if any):				

⁽¹⁾ If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager)

10/1/19
Date/Time Reviewed

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 Wet 119th Avenue
Broomfield CO 80020

Bob Cornez
Project Number: 2147286
Project: KMG - Streed 15-13A

N01@3'

10/1/2019 2:38:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

Origins Laboratory, Inc.
Y910017-01 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B9J0107	JMS	10/01/2019	10/01/2019	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	JMS	"	"	U

Surrogate: o-Terphenyl 86.8 % 50-150 " " "

GBTEX + Naphthalene by EPA 8260D

Gasoline Range Hydrocarbons	ND	5.00	mg/kg	25	B9J0110	KDK	10/01/2019	10/01/2019	U
Benzene	ND	0.050	"	"	"	KDK	"	"	U
Toluene	ND	0.050	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.050	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.050	"	"	"	KDK	"	"	U
Naphthalene	ND	0.200	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4 102 % 70-130 " " "
Surrogate: Toluene-d8 93.1 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 99.0 % 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 Wet 119th Avenue
Broomfield CO 80020

Bob Cornez
Project Number: 2147286
Project: KMG - Streed 15-13A

S01@3'

10/1/2019 2:40:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

Origins Laboratory, Inc.
Y910017-02 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B9J0107	JMS	10/01/2019	10/01/2019	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	JMS	"	"	U

Surrogate: o-Terphenyl 87.3 % 50-150 " " "

GBTEX + Naphthalene by EPA 8260D

Gasoline Range Hydrocarbons	ND	5.00	mg/kg	25	B9J0110	KDK	10/01/2019	10/01/2019	U
Benzene	ND	0.050	"	"	"	KDK	"	"	U
Toluene	ND	0.050	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.050	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.050	"	"	"	KDK	"	"	U
Naphthalene	ND	0.200	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4 102 % 70-130 " " "
Surrogate: Toluene-d8 93.4 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 98.3 % 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 Wet 119th Avenue
Broomfield CO 80020

Bob Cornez
Project Number: 2147286
Project: KMG - Streed 15-13A

E01@3'

10/1/2019 2:50:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

Origins Laboratory, Inc.
Y910017-03 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B9J0107	JMS	10/01/2019	10/01/2019	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	JMS	"	"	U

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

GBTEX + Naphthalene by EPA 8260D

Gasoline Range Hydrocarbons	ND	5.00	mg/kg	25	B9J0110	KDK	10/01/2019	10/01/2019	U
Benzene	ND	0.050	"	"	"	KDK	"	"	U
Toluene	ND	0.050	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.050	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.050	"	"	"	KDK	"	"	U
Naphthalene	ND	0.200	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4 101 % 70-130 " " "
Surrogate: Toluene-d8 94.8 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 97.6 % 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 Wet 119th Avenue
Broomfield CO 80020

Bob Cornez
Project Number: 2147286
Project: KMG - Streed 15-13A

W01@3'

10/1/2019 2:45:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

Origins Laboratory, Inc.
Y910017-04 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B9J0107	JMS	10/01/2019	10/01/2019	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	JMS	"	"	U

Surrogate: o-Terphenyl 80.8 % 50-150 " " "

GBTEX + Naphthalene by EPA 8260D

Gasoline Range Hydrocarbons	ND	5.00	mg/kg	25	B9J0110	KDK	10/01/2019	10/01/2019	U
Benzene	ND	0.050	"	"	"	KDK	"	"	U
Toluene	ND	0.050	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.050	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.050	"	"	"	KDK	"	"	U
Naphthalene	ND	0.200	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4 102 % 70-130 " " "
Surrogate: Toluene-d8 94.1 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 97.4 % 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 Wet 119th Avenue
Broomfield CO 80020

Bob Cornez
Project Number: 2147286
Project: KMG - Streed 15-13A

B01@4'

10/1/2019 2:55:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

Origins Laboratory, Inc.
Y910017-05 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B9J0107	JMS	10/01/2019	10/01/2019	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	JMS	"	"	U

Surrogate: o-Terphenyl 80.6 % 50-150 " " "

GBTEX + Naphthalene by EPA 8260D

Gasoline Range Hydrocarbons	ND	5.00	mg/kg	25	B9J0110	KDK	10/01/2019	10/01/2019	U
Benzene	ND	0.050	"	"	"	KDK	"	"	U
Toluene	ND	0.050	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.050	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.050	"	"	"	KDK	"	"	U
Naphthalene	ND	0.200	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4 102 % 70-130 " " "
Surrogate: Toluene-d8 93.6 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 97.3 % 70-130 " " "

Metals (Saturated Paste Prep)

Calcium	2.98	me/L	1	[none]	10/02/2019	10/07/2019
Magnesium	2.07	"	"	"	"	"
Sodium	13.26	"	"	"	"	"

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 Wet 119th Avenue
Broomfield CO 80020

Bob Cornez
Project Number: 2147286
Project: KMG - Streed 15-13A

B01@4'

10/1/2019 2:55:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	---------	----------	----------	-------

Origins Laboratory, Inc.
Y910017-05 (Soil)

pH in Soil by EPA 9045D

pH	7.69	pH Units	1	B9J0111	DJL	10/01/2019	10/01/2019
----	------	----------	---	---------	-----	------------	------------

SAR by 20B Saturated Paste

SAR	8.34		1	[none]		10/02/2019	10/07/2019
-----	------	--	---	--------	--	------------	------------

Specific Conductance by Modified 9050A

Specific Conductance (EC)	0.213	0.00500	mmhos/cm	1	B9J0112	DJL	10/01/2019	10/01/2019
---------------------------	-------	---------	----------	---	---------	-----	------------	------------

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 Wet 119th Avenue
Broomfield CO 80020

Bob Cornez
Project Number: 2147286
Project: KMG - Streed 15-13A

GW01

10/1/2019 2:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

Origins Laboratory, Inc. Y910017-07 (Water)

BTEX by EPA 8260D

Benzene	ND	4.00	ug/L	4	B9J0103	KDK	10/01/2019	10/01/2019	U
Toluene	ND	4.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	4.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	4.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	103 %	70-130	"	"	"
Surrogate: Toluene-d8	94.5 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	100 %	70-130	"	"	"

Origins Laboratory, Inc.



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

Tasman Geosciences
6855 Wet 119th Avenue
Broomfield CO 80020

Bob Cornez
Project Number: 2147286
Project: KMG - Streed 15-13A

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 B9J0103 - EPA 5030B (Water)

Blank (B9J0103-BLK1)

Prepared: 10/01/2019 Analyzed: 10/01/2019

Benzene	ND	1.00	ug/L							U
Toluene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	65		"	62.5	104		70-130			
Surrogate: Toluene-d8	59		"	62.5	94.0		70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5	99.9		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.

Jen Pellegrini For Noelle Doyle Mathis, President

Tasman Geosciences
6855 Wet 119th Avenue
Broomfield CO 80020

Bob Cornez
Project Number: 2147286
Project: KMG - Streed 15-13A

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 B9J0103 - EPA 5030B (Water)

LCS (B9J0103-BS1)

Prepared: 10/01/2019 Analyzed: 10/01/2019

Benzene	51.5	1.00	ug/L	50.0		103	70-130			
Toluene	46.7	1.00	"	50.0		93.4	70-130			
Ethylbenzene	44.9	1.00	"	50.0		89.8	70-130			
m,p-Xylene	88.7	2.00	"	100		88.7	70-130			
o-Xylene	44.9	1.00	"	50.0		89.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	62		"	62.5		99.9	70-130			
Surrogate: Toluene-d8	59		"	62.5		94.0	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		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 Wet 119th Avenue
Broomfield CO 80020

Bob Cornez
Project Number: 2147286
Project: KMG - Streed 15-13A

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 B9J0103 - EPA 5030B (Water)

Matrix Spike (B9J0103-MS1)		Source: Y909504-01			Prepared: 10/01/2019 Analyzed: 10/01/2019					
Benzene	51.9	1.00	ug/L	50.0	ND	104	70-130			
Toluene	47.0	1.00	"	50.0	ND	94.0	70-130			
Ethylbenzene	45.1	1.00	"	50.0	ND	90.2	70-130			
m,p-Xylene	88.8	2.00	"	100	0.190	88.6	70-130			
o-Xylene	45.7	1.00	"	50.0	ND	91.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	62		"	62.5		99.9	70-130			
Surrogate: Toluene-d8	59		"	62.5		94.2	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		98.3	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 Wet 119th Avenue
Broomfield CO 80020

Bob Cornez
Project Number: 2147286
Project: KMG - Streed 15-13A

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 B9J0103 - EPA 5030B (Water)

Matrix Spike Dup (B9J0103-MSD1)		Source: Y909504-01			Prepared: 10/01/2019 Analyzed: 10/01/2019					
Benzene	48.8	1.00	ug/L	50.0	ND	97.6	70-130	6.14	20	
Toluene	44.4	1.00	"	50.0	ND	88.8	70-130	5.69	20	
Ethylbenzene	42.7	1.00	"	50.0	ND	85.4	70-130	5.40	20	
m,p-Xylene	84.4	2.00	"	100	0.190	84.2	70-130	5.14	20	
o-Xylene	42.7	1.00	"	50.0	ND	85.3	70-130	6.86	20	
Surrogate: 1,2-Dichloroethane-d4	62		"	62.5		99.2	70-130			
Surrogate: Toluene-d8	59		"	62.5		94.8	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		98.4	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 Wet 119th Avenue
Broomfield CO 80020

Bob Cornez
Project Number: 2147286
Project: KMG - Streed 15-13A

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 B9J0107 - EPA 3580										
Blank (B9J0107-BLK1)					Prepared: 10/01/2019 Analyzed: 10/01/2019					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	20		"	25.0		78.8	50-150			

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 Wet 119th Avenue
Broomfield CO 80020

Bob Cornez
Project Number: 2147286
Project: KMG - Streed 15-13A

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 B9J0107 - EPA 3580

LCS (B9J0107-BS1)

Prepared: 10/01/2019 Analyzed: 10/01/2019

Diesel (C10-C28)	957	50.0	mg/kg	1000		95.7	70-130			
Residual Range Organics (C28-C40)	838	200	"	1000		83.8	70-130			
Surrogate: o-Terphenyl	50		"	50.0		99.8	50-150			

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.

Jen Pellegrini For Noelle Doyle Mathis, President

Tasman Geosciences
6855 Wet 119th Avenue
Broomfield CO 80020

Bob Cornez
Project Number: 2147286
Project: KMG - Streed 15-13A

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 B9J0107 - EPA 3580

Matrix Spike (B9J0107-MS1)		Source: Y910008-01			Prepared: 10/01/2019 Analyzed: 10/01/2019					
Diesel (C10-C28)	958	50.0	mg/kg	1000	ND	95.8	70-130			
Residual Range Organics (C28-C40)	815	200	"	1000	ND	81.5	70-130			
Surrogate: o-Terphenyl	37		"	50.0		74.0	50-150			

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 Wet 119th Avenue
Broomfield CO 80020

Bob Cornez
Project Number: 2147286
Project: KMG - Streed 15-13A

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 B9J0107 - EPA 3580

Matrix Spike Dup (B9J0107-MSD1)		Source: Y910008-01			Prepared: 10/01/2019 Analyzed: 10/01/2019					
Diesel (C10-C28)	964	50.0	mg/kg	1000	ND	96.4	70-130	0.649	35	
Residual Range Organics (C28-C40)	840	200	"	1000	ND	84.0	70-130	3.02	35	
Surrogate: o-Terphenyl	38		"	50.0		76.5	50-150			

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.

Jen Pellegrini For Noelle Doyle Mathis, President

Tasman Geosciences
6855 Wet 119th Avenue
Broomfield CO 80020

Bob Cornez
Project Number: 2147286
Project: KMG - Streed 15-13A

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 B9J0110 - EPA 5030 (soil)										
Blank (B9J0110-BLK1)					Prepared: 10/01/2019 Analyzed: 10/01/2019					
Gasoline Range Hydrocarbons	ND	0.200	mg/kg							U
Benzene	ND	0.002	"							U
Toluene	ND	0.002	"							U
Ethylbenzene	ND	0.002	"							U
Xylenes, total	ND	0.002	"							U
Naphthalene	ND	0.008	"							U
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		102	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.5	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 Wet 119th Avenue
Broomfield CO 80020

Bob Cornez
Project Number: 2147286
Project: KMG - Streed 15-13A

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 B9J0110 - EPA 5030 (soil)										
LCS (B9J0110-BS1)					Prepared: 10/01/2019 Analyzed: 10/01/2019					
Benzene	0.097	0.002	mg/kg	0.100		97.2	70-130			
Toluene	0.089	0.002	"	0.100		88.9	70-130			
Ethylbenzene	0.087	0.002	"	0.100		87.0	70-130			
m,p-Xylene	0.172	0.004	"	0.200		86.0	70-130			
o-Xylene	0.086	0.002	"	0.100		85.7	70-130			
Naphthalene	0.101	0.008	"	0.100		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		99.4	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		95.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		100	70-130			

Origins Laboratory, Inc.



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

Tasman Geosciences
6855 Wet 119th Avenue
Broomfield CO 80020

Bob Cornez
Project Number: 2147286
Project: KMG - Streed 15-13A

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 B9J0110 - EPA 5030 (soil)

Matrix Spike (B9J0110-MS1)		Source: Y910008-01			Prepared: 10/01/2019 Analyzed: 10/01/2019					
Benzene	0.119	0.002	mg/kg	0.100	ND	119	70-130			
Toluene	0.106	0.002	"	0.100	ND	106	70-130			
Ethylbenzene	0.104	0.002	"	0.100	ND	104	70-130			
m,p-Xylene	0.205	0.004	"	0.200	ND	102	70-130			
o-Xylene	0.101	0.002	"	0.100	ND	101	70-130			
Naphthalene	0.077	0.008	"	0.100	ND	77.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		100	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		93.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		97.3	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 Wet 119th Avenue
Broomfield CO 80020

Bob Cornez
Project Number: 2147286
Project: KMG - Streed 15-13A

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 B9J0110 - EPA 5030 (soil)										
Matrix Spike Dup (B9J0110-MSD1)					Source: Y910008-01					
										Prepared: 10/01/2019 Analyzed: 10/01/2019
Benzene	0.119	0.002	mg/kg	0.100	ND	119	70-130	0.219	20	
Toluene	0.107	0.002	"	0.100	ND	107	70-130	1.31	20	
Ethylbenzene	0.106	0.002	"	0.100	ND	106	70-130	1.68	20	
m,p-Xylene	0.207	0.004	"	0.200	ND	104	70-130	1.18	20	
o-Xylene	0.101	0.002	"	0.100	ND	101	70-130	0.138	20	
Naphthalene	0.106	0.008	"	0.100	ND	106	70-130	30.9	20	QR-02
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		98.9	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		93.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.7	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 Wet 119th Avenue
Broomfield CO 80020

Bob Cornez
Project Number: 2147286
Project: KMG - Streed 15-13A

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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Classical Chemistry Parameters - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B9J0111 - NO PREP

Duplicate (B9J0111-DUP1)		Source: Y910014-01			Prepared: 10/01/2019 Analyzed: 10/01/2019					
pH	7.36		pH Units		7.35			0.136	25	

Batch B9J0112 - NO PREP

Blank (B9J0112-BLK1)		Prepared: 10/01/2019 Analyzed: 10/01/2019								
Specific Conductance (EC)	0.00180	0.00500	mmhos/cm							
Duplicate (B9J0112-DUP1)		Source: Y910014-01			Prepared: 10/01/2019 Analyzed: 10/01/2019					
Specific Conductance (EC)	0.278	0.00500	mmhos/cm		0.299			7.07	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 Wet 119th Avenue
Broomfield CO 80020

Bob Cornez
Project Number: 2147286
Project: KMG - Streed 15-13A

Notes and Definitions

U Sample is Non-Detect.

QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

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.