



July 29, 2022

Tasman Geosciences

Andy Sagen

6855 West 119th Avenue

Broomfield CO 80020

**Project Name - KMG - West farms 2-14A**

**Project Number - 90406875**

Attached are your analytical results for KMG - West farms 2-14A received by Origins Laboratory, Inc. July 21, 2022. This project is associated with Origins project number Y207456-01.

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: 90406875  
Project: KMG - West farms 2-14A

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Pit-B29@10'	Y207456-01	Soil	July 21, 2022 10:30	07/21/2022 17:05
Pit-B30@10'	Y207456-02	Soil	July 21, 2022 10:32	07/21/2022 17:05
Pit-B31@10'	Y207456-03	Soil	July 21, 2022 10:34	07/21/2022 17:05
Pit-S11@5'	Y207456-04	Soil	July 21, 2022 10:36	07/21/2022 17:05
Pit-S12@5'	Y207456-05	Soil	July 21, 2022 10:38	07/21/2022 17:05
Pit-S13@5'	Y207456-06	Soil	July 21, 2022 10:40	07/21/2022 17:05
Pit-S14@5'	Y207456-07	Soil	July 21, 2022 10:42	07/21/2022 17:05
Pit-E11@5'	Y207456-08	Soil	July 21, 2022 10:44	07/21/2022 17:05

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

*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: 90406875  
Project: KMG - West farms 2-14A

4207456

page 1 of 1

Client: DY Project Manager: Andy Sagen  
Address: West Farms 2-14A Project Name: West Farms 2-14A  
Telephone Number: P. Downs Project Number:   
Email Address: ASagen@tasman-geo.com Samples Collected By: P. Downs

Fax: 303.265.9645

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis				Sample Instructions	
				Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater	Soil	Air Summa Canister #	Other	GC/MS	DIC/MS	TMB		PAHs
PIT-B29010'	7-21-22	10:30	2	X					X				X	X	X	1
PIT-B30010'		10:32	1													2
PIT-B31010'		10:34	1													3
PIT-S1105'		10:36	1													4
PIT-S1205'		10:38	1													5
PIT-S1305'		10:40	1													6
PIT-S1405'		10:42	1													7
PIT-E1105'		10:44	1													8
																9
																10

  

Relinquished By:	Date:	Time:	Received By:	Date:	Time:	Turnaround Time:
P. Downs	7-21-22		AS	7-21-22	17:05	Same Day <input checked="" type="checkbox"/> 24 Hr <input type="checkbox"/>
						48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input type="checkbox"/>

Temp Received: 6.1° Date Results Needed

Origins Laboratory, Inc.

*Jen Pellegrini*

Jen Pellegrini, Project Manager

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: 90406875  
Project: KMG - West farms 2-14A

Origins Laboratory

Sample Receipt Checklist

Origins Work Order: 4207456

Checklist Completed by: WH

Date/time completed: 7/21/22

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

Cooler Number/Temperature: 1, 10.1 °C / \_\_\_\_\_ °C / \_\_\_\_\_ °C (Describe) \_\_\_\_\_ °C

Thermometer ID: \_\_\_\_\_

Client: Tasman

Client Project ID: West Farms 2-14A

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

Airbill #: n/a

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

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C <sup>(1)</sup> ?		<input checked="" type="checkbox"/>		same day
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"/>	no cooler
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 <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?			<input checked="" type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	<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 <sup>(1)</sup> ? (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 <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH > 10 for samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH)			<input checked="" type="checkbox"/>	
Additional Comments (if any):				

<sup>(1)</sup>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) WH Date/Time Reviewed 7/21/22

Origins Laboratory, Inc.

*Jen Pellegrini*

Jen Pellegrini, Project Manager

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: 90406875  
Project: KMG - West farms 2-14A

## Pit-B29@10'

7/21/2022 10:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

## Origins Laboratory, Inc. Y207456-01 (Soil)

### DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B2G2124	07/21/2022	07/21/2022	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl 111 % 50-150 " " "

### GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2G2123	07/21/2022	07/21/2022	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4 106 % 70-130 " " "  
Surrogate: Toluene-d8 95.6 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 99.7 % 70-130 " " "

### PAH by 8270D SIM

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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: 90406875  
Project: KMG - West farms 2-14A

Pit-B29@10'

7/21/2022 10:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Waypoint Analytical, Inc.  
Y207456-01 (Soil)

## PAH by 8270D SIM

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L628792	07/27/2022	07/27/2022
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	0.00148	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	0.00194	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	0.00187	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	0.000771	0.000437	0.00067	"	"	"	"	"
Chrysene	0.00157	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	0.00164	0.000394	0.00067	"	"	"	"	"
Fluorene	ND	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	0.00115	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"
Pyrene	0.0022	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	55.3 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	72.5 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	55.6 %	29-110	"	"	"

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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: 90406875  
Project: KMG - West farms 2-14A

Pit-B29@10'

7/21/2022 10:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	------------------------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.  
Y207456-01 (Soil)

## Table 915 metals by EPA 6020B

Selenium	0.593	0.0991	mg/kg	5	B2G2125	07/21/2022	07/23/2022
----------	-------	--------	-------	---	---------	------------	------------

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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: 90406875  
Project: KMG - West farms 2-14A

**Pit-B30@10'**

**7/21/2022 10:32:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

**Origins Laboratory, Inc.**  
**Y207456-02 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2G2124	07/21/2022	07/21/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 110 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2G2123	07/21/2022	07/21/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4 106 % 70-130 " " "  
Surrogate: Toluene-d8 96.2 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 100 % 70-130 " " "

**PAH by 8270D SIM**

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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: 90406875  
Project: KMG - West farms 2-14A

Pit-B30@10'

7/21/2022 10:32:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Waypoint Analytical, Inc.  
Y207456-02 (Soil)

## PAH by 8270D SIM

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L628792	07/27/2022	07/27/2022	
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	0.000832	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	0.00108	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	0.0011	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	0.000585	0.000437	0.00067	"	"	"	"	"	J
Chrysene	0.000945	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	0.000916	0.000394	0.00067	"	"	"	"	"	
Fluorene	ND	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	0.000738	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"	
Pyrene	0.0012	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	60.1 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	75.8 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	60.1 %	29-110	"	"	"

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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: 90406875  
Project: KMG - West farms 2-14A

Pit-B30@10'

7/21/2022 10:32:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	------------------------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.  
Y207456-02 (Soil)

## Table 915 metals by EPA 6020B

Selenium	0.238	0.0759	mg/kg	5	B2G2125	07/21/2022	07/23/2022
----------	-------	--------	-------	---	---------	------------	------------

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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: 90406875  
Project: KMG - West farms 2-14A

Pit-B31@10'

7/21/2022 10:34:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.  
Y207456-03 (Soil)

## DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2G2124	07/21/2022	07/22/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 110 % 50-150 " " "

## GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2G2123	07/21/2022	07/21/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4 105 % 70-130 " " "  
Surrogate: Toluene-d8 95.3 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 100 % 70-130 " " "

## PAH by 8270D SIM

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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: 90406875  
Project: KMG - West farms 2-14A

Pit-B31@10'

7/21/2022 10:34:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Waypoint Analytical, Inc.  
Y207456-03 (Soil)

## PAH by 8270D SIM

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L628792	07/27/2022	07/27/2022
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"
Fluorene	ND	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	53.8 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	68 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	53.8 %	29-110	"	"	"

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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: 90406875  
Project: KMG - West farms 2-14A

Pit-B31@10'

7/21/2022 10:34:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	------------------------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.  
Y207456-03 (Soil)

## Table 915 metals by EPA 6020B

Selenium	0.0942	0.0872	mg/kg	5	B2G2125	07/21/2022	07/23/2022
----------	--------	--------	-------	---	---------	------------	------------

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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: 90406875  
Project: KMG - West farms 2-14A

Pit-S11@5'

7/21/2022 10:36:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

**Origins Laboratory, Inc.**  
**Y207456-04 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2G2124	07/21/2022	07/22/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 116 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2G2123	07/21/2022	07/21/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4 108 % 70-130 " " "  
Surrogate: Toluene-d8 90.5 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 101 % 70-130 " " "

**PAH by 8270D SIM**

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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: 90406875  
Project: KMG - West farms 2-14A

Pit-S11@5'

7/21/2022 10:36:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Waypoint Analytical, Inc.  
Y207456-04 (Soil)

## PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00364	0.0067	mg/Kg	10	L628792	07/27/2022	07/27/2022
2-Methylnaphthalene	0.00804	0.00645	0.0067	"	"	"	"	"
Acenaphthene	ND	0.00304	0.0067	"	"	"	"	"
Anthracene	0.192	0.00334	0.0067	"	"	"	"	"
Benzo(a)anthracene	0.18	0.00493	0.0067	"	"	"	"	"
Benzo(a)pyrene	0.156	0.00468	0.0067	"	"	"	"	"
Benzo(b)fluoranthene	0.0831	0.00585	0.0067	"	"	"	"	"
Benzo(k)fluoranthene	0.0459	0.00437	0.0067	"	"	"	"	"
Chrysene	0.642	0.00624	0.0067	"	"	"	"	"
Dibenz(a,h)anthracene	0.0227	0.00614	0.0067	"	"	"	"	"
Fluoranthene	0.103	0.00394	0.0067	"	"	"	"	"
Fluorene	0.021	0.00286	0.0067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	0.0602	0.00627	0.0067	"	"	"	"	"
Naphthalene	0.00708	0.00484	0.0067	"	"	"	"	"
Pyrene	0.124	0.00643	0.0067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	59.9 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	70.5 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	56.3 %	29-110	"	"	"

## Table 915 metals by EPA 6020B

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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: 90406875  
Project: KMG - West farms 2-14A

Pit-S11@5'

7/21/2022 10:36:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	------------------------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.  
Y207456-04 (Soil)

## Table 915 metals by EPA 6020B

Selenium	0.601	0.0847	mg/kg	5	B2G2125	07/21/2022	07/23/2022
----------	-------	--------	-------	---	---------	------------	------------

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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: 90406875  
Project: KMG - West farms 2-14A

Pit-S12@5'

7/21/2022 10:38:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.  
Y207456-05 (Soil)

## DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2G2124	07/21/2022	07/22/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 122 % 50-150 " " "

## GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2G2123	07/21/2022	07/21/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4 110 % 70-130 " " "  
Surrogate: Toluene-d8 94.8 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 90.1 % 70-130 " " "

## PAH by 8270D SIM

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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: 90406875  
Project: KMG - West farms 2-14A

Pit-S12@5'

7/21/2022 10:38:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

**Waypoint Analytical, Inc.**  
**Y207456-05 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L628792	07/27/2022	07/27/2022
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"
Fluorene	ND	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	51.2 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	65.4 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	50.9 %	29-110	"	"	"

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, Project Manager

Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Andy Sagen  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-S12@5'

7/21/2022 10:38:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	------------------------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.  
Y207456-05 (Soil)

## Table 915 metals by EPA 6020B

Selenium	0.174	0.0939	mg/kg	5	B2G2125	07/21/2022	07/23/2022
----------	-------	--------	-------	---	---------	------------	------------

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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: 90406875  
Project: KMG - West farms 2-14A

Pit-S13@5'

7/21/2022 10:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

**Origins Laboratory, Inc.**  
**Y207456-06 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2G2124	07/21/2022	07/22/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 115 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2G2123	07/21/2022	07/21/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4 108 % 70-130 " " "  
Surrogate: Toluene-d8 95.4 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 98.8 % 70-130 " " "

**PAH by 8270D SIM**

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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: 90406875  
Project: KMG - West farms 2-14A

Pit-S13@5'

7/21/2022 10:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

**Waypoint Analytical, Inc.**  
**Y207456-06 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.00182	0.00335	mg/Kg	5	L628792	07/27/2022	07/27/2022	
2-Methylnaphthalene	ND	0.00323	0.00335	"	"	"	"	"	
Acenaphthene	0.00158	0.00152	0.00335	"	"	"	"	"	J
Anthracene	0.0122	0.00167	0.00335	"	"	"	"	"	
Benzo(a)anthracene	0.0752	0.00247	0.00335	"	"	"	"	"	
Benzo(a)pyrene	0.0674	0.00234	0.00335	"	"	"	"	"	
Benzo(b)fluoranthene	0.0593	0.00293	0.00335	"	"	"	"	"	
Benzo(k)fluoranthene	0.024	0.00219	0.00335	"	"	"	"	"	
Chrysene	0.0661	0.00312	0.00335	"	"	"	"	"	
Dibenz(a,h)anthracene	0.00439	0.00307	0.00335	"	"	"	"	"	
Fluoranthene	0.131	0.00197	0.00335	"	"	"	"	"	
Fluorene	0.00218	0.00143	0.00335	"	"	"	"	"	J
Indeno(1,2,3-cd)pyrene	0.0208	0.00314	0.00335	"	"	"	"	"	
Naphthalene	ND	0.00242	0.00335	"	"	"	"	"	
Pyrene	0.127	0.00322	0.00335	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	61 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	78.4 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	58 %	29-110	"	"	"

**Table 915 metals by EPA 6020B**

Origins Laboratory, Inc.



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

Jen Pellegrini, Project Manager

Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Andy Sagen  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-S13@5'

7/21/2022 10:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	------------------------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.  
Y207456-06 (Soil)

## Table 915 metals by EPA 6020B

Selenium	0.261	0.0735	mg/kg	5	B2G2125	07/21/2022	07/23/2022
----------	-------	--------	-------	---	---------	------------	------------

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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: 90406875  
Project: KMG - West farms 2-14A

Pit-S14@5'

7/21/2022 10:42:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

**Origins Laboratory, Inc.**  
**Y207456-07 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2G2124	07/21/2022	07/22/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 115 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	0.0525	0.00200	mg/kg	1	B2G2123	07/21/2022	07/21/2022	
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	0.855	0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4 118 % 70-130 " " "  
Surrogate: Toluene-d8 110 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 92.1 % 70-130 " " "

**PAH by 8270D SIM**

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, Project Manager

Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Andy Sagen  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-S14@5'

7/21/2022 10:42:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

**Waypoint Analytical, Inc.**  
**Y207456-07 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	0.0606	0.000364	0.00067	mg/Kg	1	L628792	07/27/2022	07/27/2022
2-Methylnaphthalene	0.0577	0.000645	0.00067	"	"	"	"	"
Acenaphthene	0.00786	0.000304	0.00067	"	"	"	"	"
Anthracene	0.00146	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	0.00148	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	0.000832	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	0.0026	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	0.00138	0.000394	0.00067	"	"	"	"	"
Fluorene	0.0504	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	0.00369	0.000484	0.00067	"	"	"	"	"
Pyrene	0.00306	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	56.1 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	63.3 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	54.2 %	29-110	"	"	"

**Table 915 metals by EPA 6020B**

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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: 90406875  
Project: KMG - West farms 2-14A

Pit-S14@5'

7/21/2022 10:42:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	------------------------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.  
Y207456-07 (Soil)

## Table 915 metals by EPA 6020B

Selenium	0.212	0.0888	mg/kg	5	B2G2125	07/21/2022	07/23/2022
----------	-------	--------	-------	---	---------	------------	------------

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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: 90406875  
Project: KMG - West farms 2-14A

Pit-E11@5'

7/21/2022 10:44:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.  
Y207456-08 (Soil)

## DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2G2124	07/21/2022	07/22/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 120 % 50-150 " " "

## GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2G2123	07/21/2022	07/21/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	0.202	0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4 110 % 70-130 " " "  
Surrogate: Toluene-d8 92.2 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 102 % 70-130 " " "

## PAH by 8270D SIM

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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: 90406875  
Project: KMG - West farms 2-14A

Pit-E11@5'

7/21/2022 10:44:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

**Waypoint Analytical, Inc.**  
**Y207456-08 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.00182	0.00335	mg/Kg	5	L628792	07/27/2022	07/27/2022	
2-Methylnaphthalene	ND	0.00323	0.00335	"	"	"	"	"	
Acenaphthene	0.00175	0.00152	0.00335	"	"	"	"	"	J
Anthracene	0.00804	0.00167	0.00335	"	"	"	"	"	
Benzo(a)anthracene	0.0422	0.00247	0.00335	"	"	"	"	"	
Benzo(a)pyrene	0.0513	0.00234	0.00335	"	"	"	"	"	
Benzo(b)fluoranthene	0.0364	0.00293	0.00335	"	"	"	"	"	
Benzo(k)fluoranthene	0.0146	0.00219	0.00335	"	"	"	"	"	
Chrysene	0.0474	0.00312	0.00335	"	"	"	"	"	
Dibenz(a,h)anthracene	0.00371	0.00307	0.00335	"	"	"	"	"	
Fluoranthene	0.0659	0.00197	0.00335	"	"	"	"	"	
Fluorene	0.00288	0.00143	0.00335	"	"	"	"	"	J
Indeno(1,2,3-cd)pyrene	0.0194	0.00314	0.00335	"	"	"	"	"	
Naphthalene	ND	0.00242	0.00335	"	"	"	"	"	
Pyrene	0.0799	0.00322	0.00335	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	58.4 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	68.1 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	55 %	29-110	"	"	"

**Table 915 metals by EPA 6020B**

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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: 90406875  
Project: KMG - West farms 2-14A

Pit-E11@5'

7/21/2022 10:44:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	------------------------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.  
Y207456-08 (Soil)

## Table 915 metals by EPA 6020B

Selenium	0.373	0.0891	mg/kg	5	B2G2125	07/21/2022	07/23/2022
----------	-------	--------	-------	---	---------	------------	------------

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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: 90406875  
Project: KMG - West farms 2-14A

**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
<b>Batch B2G2123 - EPA 5030 (soil)</b>										
<b>Blank (B2G2123-BLK1)</b>					Prepared: 07/21/2022 Analyzed: 07/21/2022					
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	0.13		"	0.125	101		70-130			
Surrogate: Toluene-d8	0.12		"	0.125	97.7		70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125	97.0		70-130			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

*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: 90406875  
Project: KMG - West farms 2-14A

**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
<b>Batch B2G2123 - EPA 5030 (soil)</b>										
<b>LCS (B2G2123-BS1)</b>					Prepared: 07/21/2022 Analyzed: 07/21/2022					
1,2,4-Trimethylbenzene	0.0984	0.00200	mg/kg	0.100		98.4	70-130			
1,3,5-Trimethylbenzene	0.0980	0.00200	"	0.100		98.0	70-130			
Benzene	0.0917	0.00200	"	0.100		91.7	70-130			
Ethylbenzene	0.103	0.00200	"	0.100		103	70-130			
Naphthalene	0.105	0.0100	"	0.100		105	70-130			
Toluene	0.0887	0.00200	"	0.100		88.7	70-130			
o-Xylene	0.104	0.00200	"	0.100		104	70-130			
m,p-Xylene	0.204	0.00400	"	0.200		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		98.1	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		93.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		107	70-130			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

*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: 90406875  
Project: KMG - West farms 2-14A

**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 B2G2123 - EPA 5030 (soil)**

Matrix Spike (B2G2123-MS1)		Source: Y207455-01			Prepared: 07/21/2022 Analyzed: 07/21/2022					
1,2,4-Trimethylbenzene	0.106	0.00200	mg/kg	0.100	ND	106	70-130			
1,3,5-Trimethylbenzene	0.108	0.00200	"	0.100	ND	108	70-130			
Benzene	0.0957	0.00200	"	0.100	ND	95.7	70-130			
Ethylbenzene	0.107	0.00200	"	0.100	ND	107	70-130			
Naphthalene	0.0988	0.0100	"	0.100	ND	98.8	70-130			
Toluene	0.0901	0.00200	"	0.100	ND	90.1	70-130			
o-Xylene	0.105	0.00200	"	0.100	ND	105	70-130			
m,p-Xylene	0.221	0.00400	"	0.200	ND	110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		100	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		92.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		114	70-130			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

*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: 90406875  
Project: KMG - West farms 2-14A

**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
<b>Batch B2G2123 - EPA 5030 (soil)</b>										
<b>Matrix Spike Dup (B2G2123-MSD1)</b>		<b>Source: Y207455-01</b>			Prepared: 07/21/2022 Analyzed: 07/21/2022					
1,2,4-Trimethylbenzene	0.0977	0.00200	mg/kg	0.100	ND	97.7	70-130	8.32	20	
1,3,5-Trimethylbenzene	0.0987	0.00200	"	0.100	ND	98.7	70-130	9.15	20	
Benzene	0.0957	0.00200	"	0.100	ND	95.7	70-130	0.0209	20	
Ethylbenzene	0.0980	0.00200	"	0.100	ND	98.0	70-130	8.46	20	
Naphthalene	0.0901	0.0100	"	0.100	ND	90.1	70-130	9.17	20	
Toluene	0.0906	0.00200	"	0.100	ND	90.6	70-130	0.531	20	
o-Xylene	0.0970	0.00200	"	0.100	ND	97.0	70-130	8.36	20	
m,p-Xylene	0.195	0.00400	"	0.200	ND	97.7	70-130	12.1	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		100	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		92.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		109	70-130			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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: 90406875  
Project: KMG - West farms 2-14A

**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
<b>Batch B2G2124 - EPA 3580</b>										
<b>Blank (B2G2124-BLK1)</b>					Prepared: 07/21/2022 Analyzed: 07/21/2022					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	31		"	24.9		126	50-150			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

*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: 90406875  
Project: KMG - West farms 2-14A

## 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 B2G2124 - EPA 3580

### LCS (B2G2124-BS1)

Prepared: 07/21/2022 Analyzed: 07/21/2022

Diesel (C10-C28)	1180	50.0	mg/kg	1000		118	70-130			
Residual Range Organics (C28-C40)	1120	200	"	1000		112	70-130			
Surrogate: o-Terphenyl	55		"	49.8		110	50-150			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

*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: 90406875  
Project: KMG - West farms 2-14A

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 B2G2124 - EPA 3580

Matrix Spike (B2G2124-MS1)		Source: Y207455-01			Prepared: 07/21/2022 Analyzed: 07/21/2022					
Diesel (C10-C28)	1180	50.0	mg/kg	1000	ND	118	70-130			
Residual Range Organics (C28-C40)	1140	200	"	1000	ND	114	70-130			
Surrogate: o-Terphenyl	56		"	49.8		112	50-150			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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: 90406875  
Project: KMG - West farms 2-14A

## 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 B2G2124 - EPA 3580										
<b>Matrix Spike Dup (B2G2124-MSD1)</b>		<b>Source: Y207455-01</b>			Prepared: 07/21/2022 Analyzed: 07/21/2022					
Diesel (C10-C28)	1130	50.0	mg/kg	1000	ND	113	70-130	4.60	35	
Residual Range Organics (C28-C40)	1140	200	"	1000	ND	114	70-130	0.204	35	
Surrogate: o-Terphenyl	68		"	49.8		137	50-150			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

*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: 90406875  
Project: KMG - West farms 2-14A

## 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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

## Metals by SM 3500 Series Methods - Quality Control

### Origins Laboratory, Inc.

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

#### Batch B2G2125 - Default Prep Metals

##### Blank (B2G2125-BLK1)

Prepared: 07/21/2022 Analyzed: 07/23/2022

Arsenic	ND	0.000100	mg/kg							U
Barium	ND	0.0100	"							U
Cadmium	ND	0.000100	"							U
Copper	ND	0.0100	"							U
Lead	ND	0.00100	"							U
Nickel	ND	0.00100	"							U
Selenium	ND	0.000100	"							U
Silver	ND	0.000100	"							U
Zinc	ND	0.100	"							U

##### LCS (B2G2125-BS1)

Prepared: 07/21/2022 Analyzed: 07/23/2022

Arsenic	0.0497	0.000100	mg/kg	0.0500		99.4	80-120
Barium	5.05	0.0100	"	5.00		101	80-120
Cadmium	0.0525	0.000100	"	0.0500		105	80-120
Copper	0.543	0.0100	"	0.500		109	80-120
Lead	0.0518	0.00100	"	0.0500		104	80-120
Nickel	0.0549	0.00100	"	0.0500		110	80-120
Selenium	0.0536	0.000100	"	0.0500		107	80-120
Silver	0.0493	0.000100	"	0.0500		98.7	80-120
Zinc	0.547	0.100	"	0.500		109	80-120

##### Matrix Spike (B2G2125-MS1)

Source: Y207456-01

Prepared: 07/21/2022 Analyzed: 07/23/2022

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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: 90406875  
Project: KMG - West farms 2-14A

**Metals by SM 3500 Series Methods - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B2G2125 - Default Prep Metals</b>										
<b>Matrix Spike (B2G2125-MS1)</b>		<b>Source: Y207456-01</b>			Prepared: 07/21/2022 Analyzed: 07/23/2022					
Arsenic	12.1	0.0159	mg/kg	7.93	4.53	95.9	75-125			
Barium	916	1.59	"	793	221	87.6	75-125			
Cadmium	7.88	0.0159	"	7.93	0.357	94.8	75-125			
Copper	31.6	1.59	"	79.3	14.3	21.8	75-125			
Lead	21.4	0.159	"	7.93	15.6	73.7	75-125			
Nickel	6.10	0.159	"	7.93	8.79	NR	75-125			
Selenium	2.81	0.0159	"	7.93	0.593	28.0	75-125			QM-07, QR-DUP
Silver	7.59	0.0159	"	7.93	0.220	92.9	75-125			
Zinc	124	15.9	"	79.3	91.6	40.4	75-125			
<b>Matrix Spike Dup (B2G2125-MSD1)</b>		<b>Source: Y207456-01</b>			Prepared: 07/21/2022 Analyzed: 07/23/2022					
Arsenic	12.4	0.0164	mg/kg	8.19	4.53	95.9	75-125	2.02	20	
Barium	927	1.64	"	819	221	86.2	75-125	1.18	20	
Cadmium	8.43	0.0164	"	8.19	0.357	98.6	75-125	6.84	20	
Copper	39.1	1.64	"	81.9	14.3	30.3	75-125	21.2	20	
Lead	21.3	0.164	"	8.19	15.6	69.1	75-125	0.891	20	
Nickel	6.81	0.164	"	8.19	8.79	NR	75-125	11.0	20	
Selenium	3.46	0.0164	"	8.19	0.593	35.0	75-125	20.6	20	QM-07, QR-DUP
Silver	8.08	0.0164	"	8.19	0.220	96.0	75-125	6.32	20	
Zinc	133	16.4	"	81.9	91.6	50.6	75-125	7.35	20	

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

*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: 90406875  
Project: KMG - West farms 2-14A

**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 L628792 - 3550B**

MSD (L 84290-MSD-L628792)		Source: 84290			Prepared: 07/27/2022 Analyzed: 07/27/2022					
Benzo(b)fluoranthene	0.082	0.000585	mg/Kg	0.165	<0.000585	49.6	30-130	1.2	30	
Indeno(1,2,3-cd)pyrene	0.0943	0.000627	"	0.165	<0.000627	57.1	30-130	8.1	30	
Pyrene	0.108	0.000643	"	0.165	<0.000643	65.4	30-130	5.4	30	
Naphthalene	0.0754	0.000484	"	0.165	<0.000484	45.6	30-130	23.3	30	
Benzo(a)anthracene	0.119	0.000493	"	0.165	<0.000493	72.1	30-130	0.8	30	
1-Methylnaphthalene	0.0806	0.000364	"	0.165	<0.000364	48.8	30-130	24.4	30	
2-Methylnaphthalene	0.0798	0.000645	"	0.165	<0.000645	48.3	30-130	23.4	30	
Chrysene	0.107	0.000624	"	0.165	<0.000624	64.8	30-130	0	30	
Anthracene	0.0988	0.000334	"	0.165	<0.000334	59.8	30-130	8.8	30	
Fluorene	0.0918	0.000286	"	0.165	<0.000286	55.6	30-130	19.8	30	
Benzo(a)pyrene	0.117	0.000468	"	0.165	<0.000468	70.9	30-130	0.8	30	
Benzo(k)fluoranthene	0.0761	0.000437	"	0.165	<0.000437	46.1	30-130	4	30	
Dibenz(a,h)anthracene	0.087	0.000614	"	0.165	<0.000614	52.7	30-130	7.8	30	
Fluoranthene	0.11	0.000394	"	0.165	<0.000394	66.6	30-130	5.3	30	
Acenaphthene	0.0822	0.000304	"	0.165	<0.000304	49.8	30-130	21.4	30	
Surrogate: Nitrobenzene-d5	41.5		"	0.33	199	41.5	29-110			
Surrogate: 2-Fluorobiphenyl	41.2		"	0.33	203	41.2	33-115			
Surrogate: 4-Terphenyl-d14	64.5		"	0.33	247	64.5	33-122			

MS (L 84290-MS-L628792)		Source: 84290			Prepared: 07/27/2022 Analyzed: 07/27/2022					
Naphthalene	0.0953	0.000484	mg/Kg	0.166	<0.000484	57.4	30-130			
Fluorene	0.112	0.000286	"	0.166	<0.000286	67.4	30-130			
Indeno(1,2,3-cd)pyrene	0.0869	0.000627	"	0.166	<0.000627	52.3	30-130			
Acenaphthene	0.102	0.000304	"	0.166	<0.000304	61.4	30-130			
Fluoranthene	0.116	0.000394	"	0.166	<0.000394	69.8	30-130			
Pyrene	0.114	0.000643	"	0.166	<0.000643	68.6	30-130			
1-Methylnaphthalene	0.103	0.000364	"	0.166	<0.000364	62	30-130			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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: 90406875  
Project: KMG - West farms 2-14A

**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 L628792 - 3550B**

MS (L 84290-MS-L628792)		Source: 84290			Prepared: 07/27/2022 Analyzed: 07/27/2022					
Anthracene	0.108	0.000334	mg/Kg	0.166	<0.000334	65	30-130			
Benzo(a)anthracene	0.118	0.000493	"	0.166	<0.000493	71	30-130			
Benzo(a)pyrene	0.118	0.000468	"	0.166	<0.000468	71	30-130			
Benzo(b)fluoranthene	0.083	0.000585	"	0.166	<0.000585	50	30-130			
Benzo(k)fluoranthene	0.0731	0.000437	"	0.166	<0.000437	44	30-130			
Chrysene	0.107	0.000624	"	0.166	<0.000624	64.4	30-130			
Dibenz(a,h)anthracene	0.0804	0.000614	"	0.166	<0.000614	48.4	30-130			
2-Methylnaphthalene	0.101	0.000645	"	0.166	<0.000645	60.8	30-130			
Surrogate: Nitrobenzene-d5	63.1		"	0.331	199	63.1	29-110			
Surrogate: 2-Fluorobiphenyl	65.5		"	0.331	203	65.5	33-115			
Surrogate: 4-Terphenyl-d14	75.2		"	0.331	247	75.2	33-122			

LCS (LCS-L628792)		Prepared: 07/27/2022 Analyzed: 07/27/2022								
Dibenz(a,h)anthracene	0.0777	0.000614	mg/Kg	0.167		46.5	30-130			
Indeno(1,2,3-cd)pyrene	0.0861	0.000627	"	0.167		51.5	30-130			
Pyrene	0.0877	0.000643	"	0.167		52.5	30-130			
Naphthalene	0.0695	0.000484	"	0.167		41.6	30-130			
Benzo(a)anthracene	0.0904	0.000493	"	0.167		54.1	30-130			
1-Methylnaphthalene	0.0697	0.000364	"	0.167		41.7	30-130			
2-Methylnaphthalene	0.0696	0.000645	"	0.167		41.6	30-130			
Fluorene	0.079	0.000286	"	0.167		47.3	30-130			
Anthracene	0.0811	0.000334	"	0.167		48.5	30-130			
Benzo(a)pyrene	0.0886	0.000468	"	0.167		53	30-130			
Benzo(b)fluoranthene	0.0736	0.000585	"	0.167		44	30-130			
Benzo(k)fluoranthene	0.0697	0.000437	"	0.167		41.7	30-130			
Chrysene	0.0815	0.000624	"	0.167		48.8	30-130			
Fluoranthene	0.089	0.000394	"	0.167		53.2	30-130			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

*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: 90406875  
Project: KMG - West farms 2-14A

**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 L628792 - 3550B**

**LCS (LCS-L628792)**

Prepared: 07/27/2022 Analyzed: 07/27/2022

Acenaphthene	0.0721	0.000304	mg/Kg	0.167		43.1	30-130			
Surrogate: Nitrobenzene-d5	46.8		"	0.333		46.8	29-110			
Surrogate: 2-Fluorobiphenyl	44.7		"	0.333		44.7	33-115			
Surrogate: 4-Terphenyl-d14	58.2		"	0.333		58.2	33-122			

**LRB (LRB-L628792)**

Prepared: 07/27/2022 Analyzed: 07/27/2022

Indeno(1,2,3-cd)pyrene	ND	0.00067	mg/Kg				-			
Pyrene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00067	"				-			
Naphthalene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00067	"				-			
Surrogate: Nitrobenzene-d5	70.8		"	0.333		70.8	29-110			
Surrogate: 4-Terphenyl-d14	81.9		"	0.333		81.9	33-122			
Surrogate: 2-Fluorobiphenyl	70.8		"	0.333		70.8	33-115			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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: 90406875  
Project: KMG - West farms 2-14A

### Notes and Definitions

U Sample is Non-Detect.

QR-DUP RPD exceeds QC acceptance criteria, this indicates source sample is not homogenous.

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.

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.



Jen Pellegrini, Project Manager

*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.*



August 09, 2022

Tasman Geosciences

Andy Sagen

6855 West 119th Avenue

Broomfield CO 80020

**Project Name - KMG - West farms 2-14A**

**Project Number - 90406875**

Attached are your analytical results for KMG - West farms 2-14A received by Origins Laboratory, Inc. July 26, 2022. This project is associated with Origins project number Y207539-01.

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: 90406875  
Project: KMG - West farms 2-14A

### CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PIT-B32@10'	Y207539-01	Soil	July 26, 2022 14:00	07/26/2022 17:26
PIT-B33@10'	Y207539-02	Soil	July 26, 2022 14:02	07/26/2022 17:26
PIT-B34@10'	Y207539-03	Soil	July 26, 2022 14:04	07/26/2022 17:26
PIT-B35@10'	Y207539-04	Soil	July 26, 2022 14:06	07/26/2022 17:26
PIT-B36@12'	Y207539-05	Soil	July 26, 2022 14:08	07/26/2022 17:26
PIT-B37@12'	Y207539-06	Soil	July 26, 2022 14:10	07/26/2022 17:26
PIT-B38@12'	Y207539-07	Soil	July 26, 2022 14:12	07/26/2022 17:26
PIT-N11@5'	Y207539-08	Soil	July 26, 2022 14:14	07/26/2022 17:26
PIT-BG01@5'	Y207539-09	Soil	July 26, 2022 14:16	07/26/2022 17:26
PIT-BG01@10'	Y207539-10	Soil	July 26, 2022 14:18	07/26/2022 17:26
PIT-BG02@5'	Y207539-11	Soil	July 26, 2022 14:20	07/26/2022 17:26
PIT-BG02@10'	Y207539-12	Soil	July 26, 2022 14:22	07/26/2022 17:26

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 West 119th Avenue  
Broomfield CO 80020

Andy Sagen  
Project Number: 90406875  
Project: KMG - West farms 2-14A

**ORIGINS**  
LABORATORY, INC

www.originslaboratory.com

4207539

page 1 of 2

Client: DTY  
Address: \_\_\_\_\_  
Telephone Number: \_\_\_\_\_  
Email Address: Asagen@tasman-geo.com  
Project Manager: Andy Sagen  
Project Name: West Farm 2-14A  
Project Number: \_\_\_\_\_  
Samples Collected By: P. Dawns

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

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis				Sample Instructions
				Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater	Soil	Air Summ #	Other	GBL	Dechlor	PAHs	
PT-832e10'	7-26-22	14:00	2	X					X				X	X	Tmgs added to all 8260 samples per the email from Brandon on 7/27/22 ap Se added to all samples per the email from Brandon on 7/27/22 y
PT-833e10'		14:02													
PT-834e10'		14:04													
PT-835e10'		14:06													
PT-836e10'		14:08													
PT-837e10'		14:10													
PT-838e10'		14:12													
PT-111es'		14:14													
PT-860es'		14:16													
PT-860e10'		14:18													
Relinquished By: <u>P. Dawns</u>	Date: <u>7-26-22</u>	Time: <u>17:16</u>	Received By: <u>DE</u>	Date: <u>7-26-22</u>	Time: <u>17:16</u>	Turnaround Time: <input checked="" type="checkbox"/> Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard									

Temp Received: 4.4° Date Results Needed: \_\_\_\_\_

Origins Laboratory, Inc.

*J. Bynon*

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

Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Andy Sagen  
Project Number: 90406875  
Project: KMG - West farms 2-14A

**ORIGINS**  
LABORATORY, INC

www.originslaboratory.com

Y207539

page 2 of 2

Client: DSY  
Address: \_\_\_\_\_  
Telephone Number: \_\_\_\_\_  
Email Address: Asagen@tasman-geo.com  
Project Manager: Andy Sagen  
Project Name: West Farm 2-14A  
Project Number: \_\_\_\_\_  
Samples Collected By: P. Downs

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis		Sample Instructions
				Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater	Soil	Air Summa #	Other	Sc	
PT-860205	7-26-22	14:20	2	X				X					1
PT-860206	↓	14:22	↓	↓				↓					2
													3
													4
													5
													6
													7
													8
													9
													10
Relinquished By: <u>P. Downs</u>	Date: <u>7-26-22</u>	Time: <u>17:16</u>	Received By: <u>DSY</u>	Date: <u>7-26-22</u>	Time: <u>17:16</u>	Turnaround Time: <input checked="" type="checkbox"/> Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard							

Date Results Needed

Temp Received: 44°

Origins Laboratory, Inc.

*J. Bynon*

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

Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Andy Sagen  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Origins Laboratory

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

**Sample Receipt Checklist**

Origins Work Order: Y207539

Client: Tasman  
Client Project ID: West Farm 2-14A

Checklist Completed by: MS  
Date/time completed: 7/26/22

Shipped Via: HB  
(UPS, FedEx, Hand Delivered, Pick-up, etc.)  
Airbill #: NA

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

Cooler Number/Temperature: 1 / 4.4 °C \_\_\_\_\_ °C \_\_\_\_\_ °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 <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Were all samples received intact <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	<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 <sup>(1)</sup> ? (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 <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH > 10 for samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH)		<input checked="" type="checkbox"/>		
Additional Comments (if any):				

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

Reviewed by (Project Manager) [Signature] Date/Time Reviewed 7/26/22

Origins Laboratory, Inc.

*[Signature]*

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: 90406875  
Project: KMG - West farms 2-14A

PIT-B32@10'  
7/26/2022 2:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

**Origins Laboratory, Inc.**  
**Y207539-01 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2G2639	07/26/2022	07/27/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 74.0 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2G2637	07/26/2022	07/27/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4 119 % 70-130 " " "  
Surrogate: Toluene-d8 98.4 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 99.5 % 70-130 " " "

**PAH by 8270D SIM**

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: 90406875  
Project: KMG - West farms 2-14A

PIT-B32@10'  
7/26/2022 2:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

**Waypoint Analytical, Inc.**  
**Y207539-01 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L630750	08/08/2022	08/08/2022
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	<b>0.000782</b>	<b>0.000585</b>	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	<b>0.000793</b>	<b>0.000394</b>	0.00067	"	"	"	"	"
Fluorene	ND	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"
Pyrene	<b>0.000702</b>	<b>0.000643</b>	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	49.4 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	63.3 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	54.2 %	29-110	"	"	"

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: 90406875  
Project: KMG - West farms 2-14A

PIT-B32@10'

7/26/2022 2:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	------------------------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.  
Y207539-01 (Soil)

## Table 915 metals by EPA 6020B

Selenium	0.188	0.0956	mg/kg	5	B2G2803	07/28/2022	08/02/2022
----------	-------	--------	-------	---	---------	------------	------------

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: 90406875  
Project: KMG - West farms 2-14A

PIT-B33@10'  
7/26/2022 2:02:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

**Origins Laboratory, Inc.**  
**Y207539-02 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2G2639	07/26/2022	07/27/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 96.5 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	0.0229	0.00200	mg/kg	1	B2G2637	07/26/2022	07/27/2022	
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	0.00276	0.00200	"	"	"	"	"	
Gasoline Range Hydrocarbons	10.3	0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4 118 % 70-130 " " "  
Surrogate: Toluene-d8 101 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 92.2 % 70-130 " " "

**PAH by 8270D SIM**

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: 90406875  
Project: KMG - West farms 2-14A

PIT-B33@10'  
7/26/2022 2:02:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

**Waypoint Analytical, Inc.**  
**Y207539-02 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	0.00259	0.000364	0.00067	mg/Kg	1	L630750	08/08/2022	08/08/2022	
2-Methylnaphthalene	0.00482	0.000645	0.00067	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	0.00104	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	0.0094	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	0.0179	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	0.0201	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	0.00639	0.000437	0.00067	"	"	"	"	"	
Chrysene	0.0114	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	0.00283	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	0.00716	0.000394	0.00067	"	"	"	"	"	
Fluorene	0.000629	0.000286	0.00067	"	"	"	"	"	J
Indeno(1,2,3-cd)pyrene	0.0131	0.000627	0.00067	"	"	"	"	"	
Naphthalene	0.000893	0.000484	0.00067	"	"	"	"	"	
Pyrene	0.0119	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	48.5 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	62.9 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	50.6 %	29-110	"	"	"

**Table 915 metals by EPA 6020B**

Origins Laboratory, Inc.



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



Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Andy Sagen  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-B33@10'

7/26/2022 2:02:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	------------------------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.  
Y207539-02 (Soil)

## Table 915 metals by EPA 6020B

Selenium	0.242	0.0941	mg/kg	5	B2G2803	07/28/2022	08/02/2022
----------	-------	--------	-------	---	---------	------------	------------

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: 90406875  
Project: KMG - West farms 2-14A

PIT-B34@10'  
7/26/2022 2:04:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

**Origins Laboratory, Inc.**  
**Y207539-03 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2G2639	07/26/2022	07/27/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 92.9 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2G2637	07/26/2022	07/27/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4 116 % 70-130 " " "  
Surrogate: Toluene-d8 99.3 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 95.5 % 70-130 " " "

**PAH by 8270D SIM**

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: 90406875  
Project: KMG - West farms 2-14A

PIT-B34@10'  
7/26/2022 2:04:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

**Waypoint Analytical, Inc.**  
**Y207539-03 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L630750	08/08/2022	08/08/2022
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"
Fluorene	ND	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"
Pyrene	<b>0.000707</b>	<b>0.000643</b>	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	55.3 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	68.7 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	56.8 %	29-110	"	"	"

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: 90406875  
Project: KMG - West farms 2-14A

PIT-B34@10'

7/26/2022 2:04:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	------------------------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.  
Y207539-03 (Soil)

## Table 915 metals by EPA 6020B

Selenium	0.132	0.0736	mg/kg	5	B2G2803	07/28/2022	08/02/2022
----------	-------	--------	-------	---	---------	------------	------------

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: 90406875  
Project: KMG - West farms 2-14A

PIT-B35@10'  
7/26/2022 2:06:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

**Origins Laboratory, Inc.**  
**Y207539-04 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2G2639	07/26/2022	07/27/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 103 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2G2637	07/26/2022	07/27/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4 114 % 70-130 " " "  
Surrogate: Toluene-d8 96.9 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 97.6 % 70-130 " " "

**PAH by 8270D SIM**

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: 90406875  
Project: KMG - West farms 2-14A

PIT-B35@10'  
7/26/2022 2:06:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Waypoint Analytical, Inc.  
Y207539-04 (Soil)

## PAH by 8270D SIM

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L630750	08/08/2022	08/08/2022
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	0.000703	0.000394	0.00067	"	"	"	"	"
Fluorene	ND	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	48.9 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	72.3 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	57.2 %	29-110	"	"	"

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: 90406875  
Project: KMG - West farms 2-14A

PIT-B35@10'

7/26/2022 2:06:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	------------------------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.  
Y207539-04 (Soil)

## Table 915 metals by EPA 6020B

Selenium	ND	0.0797	mg/kg	5	B2G2803	07/28/2022	08/02/2022	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: 90406875  
Project: KMG - West farms 2-14A

PIT-B36@12'  
7/26/2022 2:08:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

**Origins Laboratory, Inc.**  
**Y207539-05 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	527	25.0	mg/kg	1	B2G2639	07/26/2022	07/27/2022
Residual Range Organics (C28-C40)	514	100	"	"	"	"	"

Surrogate: o-Terphenyl	94.7 %	50-150	"	"	"
------------------------	--------	--------	---	---	---

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	0.00736	0.00200	mg/kg	1	B2G2637	07/26/2022	07/27/2022
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	U
Gasoline Range Hydrocarbons	3.62	0.200	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	117 %	70-130	"	"	"
Surrogate: Toluene-d8	101 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	97.7 %	70-130	"	"	"

**PAH by 8270D SIM**

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: 90406875  
Project: KMG - West farms 2-14A

PIT-B36@12'  
7/26/2022 2:08:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

**Waypoint Analytical, Inc.**  
**Y207539-05 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	0.00189	0.000364	0.00067	mg/Kg	1	L630750	08/08/2022	08/08/2022	
2-Methylnaphthalene	0.00254	0.000645	0.00067	"	"	"	"	"	
Acenaphthene	0.000427	0.000304	0.00067	"	"	"	"	"	J
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	0.000612	0.000585	0.00067	"	"	"	"	"	J
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	0.000548	0.000394	0.00067	"	"	"	"	"	J
Fluorene	0.000904	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	49.8 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	62.1 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	50.2 %	29-110	"	"	"

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: 90406875  
Project: KMG - West farms 2-14A

PIT-B36@12'

7/26/2022 2:08:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	------------------------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.  
Y207539-05 (Soil)

## Table 915 metals by EPA 6020B

Selenium	ND	0.0851	mg/kg	5	B2G2803	07/28/2022	08/02/2022	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: 90406875  
Project: KMG - West farms 2-14A

PIT-B37@12'  
7/26/2022 2:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

**Origins Laboratory, Inc.**  
**Y207539-06 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2G2639	07/26/2022	07/27/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 101 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2G2637	07/26/2022	07/27/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4 115 % 70-130 " " "  
Surrogate: Toluene-d8 97.1 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 97.8 % 70-130 " " "

**PAH by 8270D SIM**

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: 90406875  
Project: KMG - West farms 2-14A

PIT-B37@12'  
7/26/2022 2:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

**Waypoint Analytical, Inc.**  
**Y207539-06 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L630750	08/08/2022	08/08/2022
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"
Fluorene	ND	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	54.4 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	70.4 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	58 %	29-110	"	"	"

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: 90406875  
Project: KMG - West farms 2-14A

PIT-B37@12'

7/26/2022 2:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	------------------------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.  
Y207539-06 (Soil)

## Table 915 metals by EPA 6020B

Selenium	ND	0.0811	mg/kg	5	B2G2803	07/28/2022	08/02/2022	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: 90406875  
Project: KMG - West farms 2-14A

PIT-B38@12'  
7/26/2022 2:12:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

**Origins Laboratory, Inc.**  
**Y207539-07 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	46.1		25.0	mg/kg	1	B2G2639	07/26/2022	07/27/2022	
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	98.2 %		50-150			"	"	"	
------------------------	--------	--	--------	--	--	---	---	---	--

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	0.0141		0.00200	mg/kg	1	B2G2637	07/26/2022	07/27/2022	
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	0.00202		0.00200	"	"	"	"	"	
Gasoline Range Hydrocarbons	8.40		0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	116 %		70-130			"	"	"	
Surrogate: Toluene-d8	104 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	90.0 %		70-130			"	"	"	

**PAH by 8270D SIM**

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: 90406875  
Project: KMG - West farms 2-14A

PIT-B38@12'  
7/26/2022 2:12:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

**Waypoint Analytical, Inc.**  
**Y207539-07 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	0.00252	0.000364	0.00067	mg/Kg	1	L630750	08/08/2022	08/08/2022	
2-Methylnaphthalene	0.00282	0.000645	0.00067	"	"	"	"	"	
Acenaphthene	0.000627	0.000304	0.00067	"	"	"	"	"	J
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	0.000416	0.000394	0.00067	"	"	"	"	"	J
Fluorene	0.00154	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	48.3 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	64 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	45.8 %	29-110	"	"	"

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: 90406875  
Project: KMG - West farms 2-14A

PIT-B38@12'

7/26/2022 2:12:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	------------------------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.  
Y207539-07 (Soil)

## Table 915 metals by EPA 6020B

Selenium	0.0967	0.0793	mg/kg	5	B2G2803	07/28/2022	08/02/2022
----------	--------	--------	-------	---	---------	------------	------------

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: 90406875  
Project: KMG - West farms 2-14A

PIT-N11@5'  
7/26/2022 2:14:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

**Origins Laboratory, Inc.**  
**Y207539-08 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2G2639	07/26/2022	07/27/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 95.2 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	0.00654	0.00200	mg/kg	1	B2G2637	07/26/2022	07/27/2022	
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	1.01	0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4 120 % 70-130 " " "  
Surrogate: Toluene-d8 98.1 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 91.1 % 70-130 " " "

**PAH by 8270D SIM**

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: 90406875  
Project: KMG - West farms 2-14A

PIT-N11@5'  
7/26/2022 2:14:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

**Waypoint Analytical, Inc.**  
**Y207539-08 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	0.0196	0.000364	0.00067	mg/Kg	1	L630750	08/08/2022	08/08/2022
2-Methylnaphthalene	0.0275	0.000645	0.00067	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"
Fluorene	0.00134	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	0.000907	0.000484	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	57.7 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	70.1 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	57.4 %	29-110	"	"	"

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: 90406875  
Project: KMG - West farms 2-14A

PIT-N11@5'

7/26/2022 2:14:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	------------------------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.  
Y207539-08 (Soil)

## Table 915 metals by EPA 6020B

Selenium	0.210	0.0891	mg/kg	5	B2G2803	07/28/2022	08/02/2022
----------	-------	--------	-------	---	---------	------------	------------

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: 90406875  
Project: KMG - West farms 2-14A

PIT-BG01@5'

7/26/2022 2:16:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	------------------------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.  
Y207539-09 (Soil)

## Table 915 metals by EPA 6020B

Selenium	0.0923	0.0914	mg/kg	5	B2G2803	07/28/2022	08/02/2022
----------	--------	--------	-------	---	---------	------------	------------

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: 90406875  
Project: KMG - West farms 2-14A

PIT-BG01@10'  
7/26/2022 2:18:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	------------------------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.  
Y207539-10 (Soil)

## Table 915 metals by EPA 6020B

Selenium	ND	0.0875	mg/kg	5	B2G2803	07/28/2022	08/02/2022	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: 90406875  
Project: KMG - West farms 2-14A

PIT-BG02@5'

7/26/2022 2:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	------------------------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.  
Y207539-11 (Soil)

## Table 915 metals by EPA 6020B

Selenium	0.130	0.0913	mg/kg	5	B2G2804	07/28/2022	08/02/2022
----------	-------	--------	-------	---	---------	------------	------------

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: 90406875  
Project: KMG - West farms 2-14A

PIT-BG02@10'  
7/26/2022 2:22:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	------------------------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.  
Y207539-12 (Soil)

## Table 915 metals by EPA 6020B

Selenium	ND	0.0791	mg/kg	5	B2G2804	07/28/2022	08/02/2022	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: 90406875  
Project: KMG - West farms 2-14A

**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
<b>Batch B2G2637 - EPA 5030 (soil)</b>										
<b>Blank (B2G2637-BLK1)</b>					Prepared: 07/26/2022 Analyzed: 07/26/2022					
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	0.14		"	0.125	109		70-130			
Surrogate: Toluene-d8	0.12		"	0.125	95.9		70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125	99.2		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: 90406875  
Project: KMG - West farms 2-14A

**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 B2G2637 - EPA 5030 (soil)**

**LCS (B2G2637-BS1)**

Prepared: 07/26/2022 Analyzed: 07/26/2022

1,2,4-Trimethylbenzene	0.103	0.00200	mg/kg	0.100		103	70-130			
1,3,5-Trimethylbenzene	0.104	0.00200	"	0.100		104	70-130			
Benzene	0.108	0.00200	"	0.100		108	70-130			
Ethylbenzene	0.104	0.00200	"	0.100		104	70-130			
Naphthalene	0.114	0.0100	"	0.100		114	70-130			
Toluene	0.0992	0.00200	"	0.100		99.2	70-130			
o-Xylene	0.105	0.00200	"	0.100		105	70-130			
m,p-Xylene	0.205	0.00400	"	0.200		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		110	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		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: 90406875  
Project: KMG - West farms 2-14A

**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
<b>Batch B2G2637 - EPA 5030 (soil)</b>										
<b>Matrix Spike (B2G2637-MS1)</b>		<b>Source: Y207531-02</b>			Prepared: 07/26/2022 Analyzed: 07/26/2022					
1,2,4-Trimethylbenzene	0.101	0.00200	mg/kg	0.100	ND	101	70-130			
1,3,5-Trimethylbenzene	0.101	0.00200	"	0.100	ND	101	70-130			
Benzene	0.108	0.00200	"	0.100	ND	108	70-130			
Ethylbenzene	0.100	0.00200	"	0.100	ND	100	70-130			
Naphthalene	0.116	0.0100	"	0.100	0.000680	116	70-130			
Toluene	0.0990	0.00200	"	0.100	ND	99.0	70-130			
o-Xylene	0.102	0.00200	"	0.100	ND	102	70-130			
m,p-Xylene	0.196	0.00400	"	0.200	ND	98.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		113	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.9	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: 90406875  
Project: KMG - West farms 2-14A

**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
<b>Batch B2G2637 - EPA 5030 (soil)</b>										
<b>Matrix Spike Dup (B2G2637-MSD1)</b>		<b>Source: Y207531-02</b>			Prepared: 07/26/2022 Analyzed: 07/26/2022					
1,2,4-Trimethylbenzene	0.0982	0.00200	mg/kg	0.100	ND	98.2	70-130	2.38	20	
1,3,5-Trimethylbenzene	0.0976	0.00200	"	0.100	ND	97.6	70-130	2.91	20	
Benzene	0.107	0.00200	"	0.100	ND	107	70-130	0.728	20	
Ethylbenzene	0.0964	0.00200	"	0.100	ND	96.4	70-130	3.77	20	
Naphthalene	0.105	0.0100	"	0.100	0.000680	104	70-130	10.5	20	
Toluene	0.0963	0.00200	"	0.100	ND	96.3	70-130	2.79	20	
o-Xylene	0.0991	0.00200	"	0.100	ND	99.1	70-130	2.86	20	
m,p-Xylene	0.188	0.00400	"	0.200	ND	93.9	70-130	4.52	20	
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		111	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		107	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: 90406875  
Project: KMG - West farms 2-14A

**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
<b>Batch B2G2639 - EPA 3550B</b>										
<b>Blank (B2G2639-BLK1)</b>					Prepared: 07/26/2022 Analyzed: 07/26/2022					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	22		"	24.9		89.8	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 West 119th Avenue  
Broomfield CO 80020

Andy Sagen  
Project Number: 90406875  
Project: KMG - West farms 2-14A

## 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 B2G2639 - EPA 3550B

### LCS (B2G2639-BS1)

Prepared: 07/26/2022 Analyzed: 07/26/2022

Diesel (C10-C28)	1000	50.0	mg/kg				70-130			
Residual Range Organics (C28-C40)	1030	200	"				70-130			
Surrogate: o-Terphenyl	60		"	49.8		121	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 West 119th Avenue  
Broomfield CO 80020

Andy Sagen  
Project Number: 90406875  
Project: KMG - West farms 2-14A

## 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 B2G2639 - EPA 3550B

Matrix Spike (B2G2639-MS1)		Source: Y207535-01			Prepared: 07/26/2022 Analyzed: 07/26/2022					
Diesel (C10-C28)	1010	50.0	mg/kg		ND		70-130			
Residual Range Organics (C28-C40)	1040	200	"		ND		70-130			
Surrogate: o-Terphenyl	55		"	49.8		110	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 West 119th Avenue  
Broomfield CO 80020

Andy Sagen  
Project Number: 90406875  
Project: KMG - West farms 2-14A

## 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 B2G2639 - EPA 3550B

Matrix Spike Dup (B2G2639-MSD1)		Source: Y207535-01			Prepared: 07/26/2022 Analyzed: 07/27/2022					
Diesel (C10-C28)	1000	50.0	mg/kg		ND		70-130	0.535	35	
Residual Range Organics (C28-C40)	1010	200	"		ND		70-130	2.68	35	
Surrogate: o-Terphenyl	54		"	49.8		108	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 West 119th Avenue  
Broomfield CO 80020

Andy Sagen  
Project Number: 90406875  
Project: KMG - West farms 2-14A

## 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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

## Metals by SM 3500 Series Methods - Quality Control

### Origins Laboratory, Inc.

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

#### Batch B2G2803 - Default Prep Metals

<b>Blank (B2G2803-BLK1)</b>					Prepared: 07/28/2022 Analyzed: 07/31/2022					
Selenium	ND	0.000100	mg/kg							U
<b>LCS (B2G2803-BS1)</b>					Prepared: 07/28/2022 Analyzed: 07/31/2022					
Selenium	0.0539	0.000100	mg/kg	0.0500		108	80-120			
<b>Matrix Spike (B2G2803-MS1)</b>					Source: Y207538-01 Prepared: 07/28/2022 Analyzed: 07/31/2022					
Selenium	7.77	0.0162	mg/kg	8.09	0.0608	95.3	75-125			
<b>Matrix Spike Dup (B2G2803-MSD1)</b>					Source: Y207538-01 Prepared: 07/28/2022 Analyzed: 07/31/2022					
Selenium	7.59	0.0166	mg/kg	8.29	0.0608	90.8	75-125	2.31	20	

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: 90406875  
Project: KMG - West farms 2-14A

**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 L630750 - 3550B**

MSD (L 95057-MSD-L630750)		Source: 95057			Prepared: 08/08/2022 Analyzed: 08/08/2022					
Anthracene	0.0996	0.000334	mg/Kg	0.163	<0.000334	61.1	30-130	9.7	30	
1-Methylnaphthalene	0.09	0.000364	"	0.163	<0.000364	55.2	30-130	15.1	30	
2-Methylnaphthalene	0.0881	0.000645	"	0.163	<0.000645	54	30-130	15	30	
Benzo(a)anthracene	0.11	0.000493	"	0.163	<0.000493	67.4	30-130	5.6	30	
Naphthalene	0.0925	0.000484	"	0.163	<0.000484	56.7	30-130	14.7	30	
Acenaphthene	0.0896	0.000304	"	0.163	<0.000304	54.9	30-130	13.2	30	
Indeno(1,2,3-cd)pyrene	0.122	0.000627	"	0.163	<0.000627	74.8	30-130	6.7	30	
Fluorene	0.0954	0.000286	"	0.163	<0.000286	58.5	30-130	10.8	30	
Fluoranthene	0.109	0.000394	"	0.163	<0.000394	66.8	30-130	7.6	30	
Dibenz(a,h)anthracene	0.107	0.000614	"	0.163	<0.000614	65.6	30-130	2.8	30	
Chrysene	0.105	0.000624	"	0.163	<0.000624	64.4	30-130	8.9	30	
Benzo(k)fluoranthene	0.0961	0.000437	"	0.163	<0.000437	58.9	30-130	6.8	30	
Benzo(b)fluoranthene	0.108	0.000585	"	0.163	<0.000585	66.2	30-130	8.4	30	
Benzo(a)pyrene	0.11	0.000468	"	0.163	<0.000468	67.4	30-130	5.6	30	
Pyrene	0.109	0.000643	"	0.163	<0.000643	66.8	30-130	10.2	30	
Surrogate: 2-Fluorobiphenyl	60.8		"	0.327	194	60.8	33-115			
Surrogate: 4-Terphenyl-d14	72.1		"	0.327	240	72.1	33-122			
Surrogate: Nitrobenzene-d5	58.7		"	0.327	193	58.7	29-110			

MS (L 95057-MS-L630750)		Source: 95057			Prepared: 08/08/2022 Analyzed: 08/08/2022					
Benzo(a)anthracene	0.104	0.000493	mg/Kg	0.166	<0.000493	62.6	30-130			
Chrysene	0.096	0.000624	"	0.166	<0.000624	57.8	30-130			
Pyrene	0.0984	0.000643	"	0.166	<0.000643	59.2	30-130			
Naphthalene	0.0798	0.000484	"	0.166	<0.000484	48	30-130			
Indeno(1,2,3-cd)pyrene	0.114	0.000627	"	0.166	<0.000627	68.6	30-130			
Fluorene	0.0856	0.000286	"	0.166	<0.000286	51.5	30-130			
Fluoranthene	0.101	0.000394	"	0.166	<0.000394	60.8	30-130			

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: 90406875  
Project: KMG - West farms 2-14A

**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 L630750 - 3550B**

MS (L 95057-MS-L630750)		Source: 95057			Prepared: 08/08/2022 Analyzed: 08/08/2022					
Dibenz(a,h)anthracene	0.104	0.000614	mg/Kg	0.166	<0.000614	62.6	30-130			
Benzo(a)pyrene	0.104	0.000468	"	0.166	<0.000468	62.6	30-130			
Anthracene	0.0903	0.000334	"	0.166	<0.000334	54.3	30-130			
Acenaphthene	0.0785	0.000304	"	0.166	<0.000304	47.2	30-130			
2-Methylnaphthalene	0.0758	0.000645	"	0.166	<0.000645	45.6	30-130			
Benzo(k)fluoranthene	0.0897	0.000437	"	0.166	<0.000437	54	30-130			
Benzo(b)fluoranthene	0.0992	0.000585	"	0.166	<0.000585	59.7	30-130			
1-Methylnaphthalene	0.0773	0.000364	"	0.166	<0.000364	46.5	30-130			
Surrogate: Nitrobenzene-d5	50.9		"	0.332	193	50.9	29-110			
Surrogate: 2-Fluorobiphenyl	51.8		"	0.332	194	51.8	33-115			
Surrogate: 4-Terphenyl-d14	65.3		"	0.332	240	65.3	33-122			

LCS (LCS-L630750)		Prepared: 08/08/2022 Analyzed: 08/08/2022								
Dibenz(a,h)anthracene	0.103	0.000614	mg/Kg	0.167		61.6	30-130			
Fluoranthene	0.103	0.000394	"	0.167		61.6	30-130			
Fluorene	0.0934	0.000286	"	0.167		55.9	30-130			
Indeno(1,2,3-cd)pyrene	0.117	0.000627	"	0.167		70	30-130			
Naphthalene	0.0905	0.000484	"	0.167		54.1	30-130			
Pyrene	0.103	0.000643	"	0.167		61.6	30-130			
2-Methylnaphthalene	0.0859	0.000645	"	0.167		51.4	30-130			
Chrysene	0.0933	0.000624	"	0.167		55.8	30-130			
1-Methylnaphthalene	0.0864	0.000364	"	0.167		51.7	30-130			
Benzo(b)fluoranthene	0.115	0.000585	"	0.167		68.8	30-130			
Benzo(a)pyrene	0.102	0.000468	"	0.167		61	30-130			
Benzo(a)anthracene	0.102	0.000493	"	0.167		61	30-130			
Anthracene	0.0949	0.000334	"	0.167		56.8	30-130			
Acenaphthene	0.0856	0.000304	"	0.167		51.2	30-130			

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: 90406875  
Project: KMG - West farms 2-14A

**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
<b>Batch L630750 - 3550B</b>										
<b>LCS (LCS-L630750)</b>					Prepared: 08/08/2022 Analyzed: 08/08/2022					
Benzo(k)fluoranthene	0.096	0.000437	mg/Kg	0.167		57.4	30-130			
Surrogate: Nitrobenzene-d5	65.4		"	0.333		65.4	29-110			
Surrogate: 4-Terphenyl-d14	72.6		"	0.333		72.6	33-122			
Surrogate: 2-Fluorobiphenyl	68.7		"	0.333		68.7	33-115			
<b>LRB (LRB-L630750)</b>					Prepared: 08/08/2022 Analyzed: 08/08/2022					
Chrysene	ND	0.00067	mg/Kg				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Naphthalene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00067	"				-			
Pyrene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Surrogate: 4-Terphenyl-d14	34.2		"	0.333		34.2	33-122			
Surrogate: Nitrobenzene-d5	29.7		"	0.333		29.7	29-110			
Surrogate: 2-Fluorobiphenyl	30		"	0.333		30	33-115			*

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: 90406875  
Project: KMG - West farms 2-14A

### Notes and Definitions

U Sample is Non-Detect.

J Estimated Value. Analyte below reported quantitation limit.

\* 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.



*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.*



August 12, 2022

Tasman Geosciences

Andy Sagen

6855 West 119th Avenue

Broomfield CO 80020

**Project Name - KMG - West farms 2-14A**

**Project Number - [none]**

Attached are your analytical results for KMG - West farms 2-14A received by Origins Laboratory, Inc. July 29, 2022. This project is associated with Origins project number Y207644-01.

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 - West farms 2-14A

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PIT-B39@12'	Y207644-01	Soil	July 29, 2022 8:30	07/29/2022 16:40
PIT-B40@12'	Y207644-02	Soil	July 29, 2022 8:33	07/29/2022 16:40
PIT-B41@12'	Y207644-03	Soil	July 29, 2022 8:36	07/29/2022 16:40

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 - West farms 2-14A

**ORIGINS**  
LABORATORY, INC

www.originslaboratory.com

Y207644

page 1 of 1

Client: Oxy Tasman  
Address: \_\_\_\_\_  
Telephone Number: \_\_\_\_\_  
Email Address: ASagen@tasman-geo.com

Project Manager: Andy Sagen  
Project Name: West Farms 2-14A  
Project Number: \_\_\_\_\_  
Samples Collected By: M R. Sagen

Fax: 303.265.9645

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis		Sample Instructions	
				Unpreserved	HCl	HNO <sub>3</sub>	Groundwater	Soil	Air Summa #	Other	GTEN	DRP		PAHs
PIT-B39012	7/29/22	08:30	2	X				X				X	X	Selenium added to all samples 2 over brandy 3 email on 8/1/22
PIT-B40012	↓	08:33	↓									↓	↓	
PIT-B41012	↓	08:36	↓									↓	↓	
														5
														6
														7
														8
														9
														10
Relinquished By: <u>AS</u>	Date: <u>07/29/22</u>	Time: <u>16:40</u>	Received By: <u>DE</u>	Date: <u>07/29/2022</u>	Time: <u>11:40</u>	Turnaround Time: <input checked="" type="checkbox"/> Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard								
Relinquished By: _____	Date: _____	Time: _____	Received By: _____	Date: _____	Time: _____									

Temp Received: 3.2° Date Results Needed: \_\_\_\_\_

Origins Laboratory, Inc.

*J. Bynon*

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



Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Andy Sagen  
Project Number: [none]  
Project: KMG - West farms 2-14A

Origins Laboratory

## Sample Receipt Checklist

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

Origins Work Order: Y207644

Client: Tasman

Client Project ID: West f

Checklist Completed by: MS

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

Date/time completed: 7/29/22

Airbill #: NA

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

Water

Other:

Cooler Number/Temperature: 1, 3.2 °C

/ °C / °C / °C (Describe)

Thermometer ID: TOO4

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C <sup>(1)</sup> ?	<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 <sup>(1)</sup> ?	<u>X</u>			
Was adequate sample volume provided <sup>(1)</sup> ?	<u>X</u>			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?		<u>X</u>		
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	<u>X</u>			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<u>X</u>			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<u>X</u>			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	<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 <sup>(1)</sup> ? (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 <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH > 10 for samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH)			<u>X</u>	
Additional Comments (if any):				

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

Reviewed By (Project Manager)

Date/Time Reviewed 7/29/22

Origins Laboratory, Inc.

*J. Bynon*

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



Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Andy Sagen  
Project Number: [none]  
Project: KMG - West farms 2-14A

PIT-B39@12'  
7/29/2022 8:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

**Origins Laboratory, Inc.**  
**Y207644-01 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2G2918	07/29/2022	07/30/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 100 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2G2919	07/29/2022	07/29/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4 81.9 % 70-130 " " "  
Surrogate: Toluene-d8 97.8 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 93.2 % 70-130 " " "

**PAH by 8270D SIM**

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 - West farms 2-14A

PIT-B39@12'

7/29/2022 8:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

**Waypoint Analytical, Inc.**  
**Y207644-01 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L630750	08/08/2022	08/08/2022
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"
Fluorene	ND	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	58.2 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	76.4 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	56.7 %	29-110	"	"	"

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 - West farms 2-14A

PIT-B39@12'

7/29/2022 8:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	------------------------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.  
Y207644-01 (Soil)

## Table 915 metals by EPA 6020B

Selenium	0.0941	0.0856	mg/kg	5	B2H0213	08/02/2022	08/04/2022
----------	--------	--------	-------	---	---------	------------	------------

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 - West farms 2-14A

PIT-B40@12'  
7/29/2022 8:33:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.  
Y207644-02 (Soil)

## DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2G2918	07/29/2022	07/30/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	104 %	50-150	"	"	"
------------------------	-------	--------	---	---	---

## GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2G2919	07/29/2022	07/29/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	102 %	70-130	"	"	"
Surrogate: Toluene-d8	100 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	95.3 %	70-130	"	"	"

## PAH by 8270D SIM

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 - West farms 2-14A

PIT-B40@12'

7/29/2022 8:33:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

**Waypoint Analytical, Inc.**  
**Y207644-02 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L630750	08/08/2022	08/08/2022
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"
Fluorene	ND	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	55.6 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	67.7 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	51.4 %	29-110	"	"	"

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 - West farms 2-14A

PIT-B40@12'

7/29/2022 8:33:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	------------------------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.  
Y207644-02 (Soil)

## Table 915 metals by EPA 6020B

Selenium	0.0912	0.0773	mg/kg	5	B2H0213	08/02/2022	08/04/2022
----------	--------	--------	-------	---	---------	------------	------------

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 - West farms 2-14A

PIT-B41@12'  
7/29/2022 8:36:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

**Origins Laboratory, Inc.**  
**Y207644-03 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2G2918	07/29/2022	07/30/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 98.9 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2G2919	07/29/2022	07/29/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4 101 % 70-130 " " "  
Surrogate: Toluene-d8 97.7 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 86.2 % 70-130 " " "

**PAH by 8270D SIM**

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 - West farms 2-14A

PIT-B41@12'  
7/29/2022 8:36:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

**Waypoint Analytical, Inc.**  
**Y207644-03 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L630882	08/08/2022	08/09/2022
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"
Fluorene	ND	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	65.2 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	83.5 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	59.5 %	29-110	"	"	"

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 - West farms 2-14A

PIT-B41@12'

7/29/2022 8:36:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	------------------------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.  
Y207644-03 (Soil)

## Table 915 metals by EPA 6020B

Selenium	ND	0.0919	mg/kg	5	B2H0213	08/02/2022	08/04/2022	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 - West farms 2-14A

## 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 B2G2918 - EPA 3550B										
Blank (B2G2918-BLK1)					Prepared: 07/29/2022 Analyzed: 07/30/2022					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	26		"	24.9		106	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 West 119th Avenue  
Broomfield CO 80020

Andy Sagen  
Project Number: [none]  
Project: KMG - West farms 2-14A

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 B2G2918 - EPA 3550B

LCS (B2G2918-BS1)

Prepared: 07/29/2022 Analyzed: 07/30/2022

Diesel (C10-C28)	984	50.0	mg/kg	1000		98.4	70-130			
Residual Range Organics (C28-C40)	1060	200	"	1000		106	70-130			
Surrogate: o-Terphenyl	50		"	49.8		101	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 West 119th Avenue  
Broomfield CO 80020

Andy Sagen  
Project Number: [none]  
Project: KMG - West farms 2-14A

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 B2G2918 - EPA 3550B

Matrix Spike (B2G2918-MS1)		Source: Y207644-01			Prepared: 07/29/2022 Analyzed: 07/30/2022					
Diesel (C10-C28)	1020	50.0	mg/kg	1000	ND	102	70-130			
Residual Range Organics (C28-C40)	1080	200	"	1000	ND	108	70-130			
Surrogate: o-Terphenyl	53		"	49.8		106	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 West 119th Avenue  
Broomfield CO 80020

Andy Sagen  
Project Number: [none]  
Project: KMG - West farms 2-14A

## 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 B2G2918 - EPA 3550B

Matrix Spike Dup (B2G2918-MSD1)		Source: Y207644-01			Prepared: 07/29/2022 Analyzed: 07/30/2022					
Diesel (C10-C28)	984	50.0	mg/kg	1000	ND	98.4	70-130	3.68	35	
Residual Range Organics (C28-C40)	985	200	"	1000	ND	98.5	70-130	9.12	35	
Surrogate: o-Terphenyl	51		"	49.8		103	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 West 119th Avenue  
Broomfield CO 80020

Andy Sagen  
Project Number: [none]  
Project: KMG - West farms 2-14A

## 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 B2G2919 - EPA 5030 (soil)										
Blank (B2G2919-BLK1)					Prepared: 07/29/2022 Analyzed: 07/29/2022					
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		97.1	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		92.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		92.8	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 - West farms 2-14A

**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 B2G2919 - EPA 5030 (soil)**

**LCS (B2G2919-BS1)**

Prepared: 07/29/2022 Analyzed: 07/29/2022

1,2,4-Trimethylbenzene	0.105	0.00200	mg/kg	0.100		105	70-130			
1,3,5-Trimethylbenzene	0.105	0.00200	"	0.100		105	70-130			
Benzene	0.0997	0.00200	"	0.100		99.7	70-130			
Ethylbenzene	0.110	0.00200	"	0.100		110	70-130			
Naphthalene	0.106	0.0100	"	0.100		106	70-130			
Toluene	0.103	0.00200	"	0.100		103	70-130			
o-Xylene	0.111	0.00200	"	0.100		111	70-130			
m,p-Xylene	0.216	0.00400	"	0.200		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		94.7	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		102	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 - West farms 2-14A

**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
<b>Batch B2G2919 - EPA 5030 (soil)</b>										
<b>Matrix Spike (B2G2919-MS1)</b>		<b>Source: Y207644-01</b>			Prepared: 07/29/2022 Analyzed: 07/29/2022					
1,2,4-Trimethylbenzene	0.0823	0.00200	mg/kg	0.100	ND	82.3	70-130			
1,3,5-Trimethylbenzene	0.0802	0.00200	"	0.100	ND	80.2	70-130			
Benzene	0.0891	0.00200	"	0.100	ND	89.1	70-130			
Ethylbenzene	0.104	0.00200	"	0.100	ND	104	70-130			
Naphthalene	0.0833	0.0100	"	0.100	ND	83.3	70-130			
Toluene	0.0785	0.00200	"	0.100	ND	78.5	70-130			
o-Xylene	0.0851	0.00200	"	0.100	ND	85.1	70-130			
m,p-Xylene	0.208	0.00400	"	0.200	ND	104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		96.1	70-130			
Surrogate: Toluene-d8	0.11		"	0.125		88.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		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 West 119th Avenue  
Broomfield CO 80020

Andy Sagen  
Project Number: [none]  
Project: KMG - West farms 2-14A

**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
<b>Batch B2G2919 - EPA 5030 (soil)</b>										
<b>Matrix Spike Dup (B2G2919-MSD1)</b>	<b>Source: Y207644-01</b>				Prepared: 07/29/2022 Analyzed: 07/29/2022					
1,2,4-Trimethylbenzene	0.120	0.00200	mg/kg	0.100	ND	120	70-130	37.2	20	QR-02
1,3,5-Trimethylbenzene	0.118	0.00200	"	0.100	ND	118	70-130	38.2	20	QR-02
Benzene	0.124	0.00200	"	0.100	ND	124	70-130	33.0	20	QR-02
Ethylbenzene	0.123	0.00200	"	0.100	ND	123	70-130	16.2	20	
Naphthalene	0.132	0.0100	"	0.100	ND	132	70-130	45.1	20	QM-07
Toluene	0.143	0.00200	"	0.100	ND	143	70-130	58.2	20	QM-07
o-Xylene	0.125	0.00200	"	0.100	ND	125	70-130	38.0	20	QR-02
m,p-Xylene	0.245	0.00400	"	0.200	ND	123	70-130	16.6	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		99.0	70-130			
Surrogate: Toluene-d8	0.15		"	0.125		117	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.6	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 West 119th Avenue  
Broomfield CO 80020

Andy Sagen  
Project Number: [none]  
Project: KMG - West farms 2-14A

**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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Metals by SM 3500 Series Methods - Quality Control**  
**Origins Laboratory, Inc.**

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

**Batch B2H0213 - Default Prep Metals**

<b>Blank (B2H0213-BLK1)</b>					Prepared: 08/02/2022 Analyzed: 08/04/2022					
Selenium	ND	0.000100	mg/kg							U
<b>LCS (B2H0213-BS1)</b>					Prepared: 08/02/2022 Analyzed: 08/04/2022					
Selenium	0.0480	0.000100	mg/kg	0.0500		95.9	80-120			
<b>Matrix Spike (B2H0213-MS1)</b>					Source: Y207604-01 Prepared: 08/02/2022 Analyzed: 08/04/2022					
Selenium	9.44	0.0185	mg/kg	9.24	0.271	99.2	75-125			
<b>Matrix Spike Dup (B2H0213-MSD1)</b>					Source: Y207604-01 Prepared: 08/02/2022 Analyzed: 08/04/2022					
Selenium	9.67	0.0193	mg/kg	9.64	0.271	97.5	75-125	2.46	20	

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 - West farms 2-14A

**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 L630882 - 3550B**

MSD (A 72122-MSD-L630882)		Source: 72122			Prepared: 08/08/2022 Analyzed: 08/09/2022					
Chrysene	0.116	0.00312	mg/Kg	0.166	<0.00312	69.8	30-130	0.8	30	
1-Methylnaphthalene	0.096	0.00182	"	0.166	<0.00182	57.8	30-130	3.9	30	
Acenaphthene	0.102	0.00152	"	0.166	<0.00152	61.4	30-130	10.7	30	
Anthracene	0.116	0.00167	"	0.166	<0.00167	69.8	30-130	2.6	30	
Benzo(a)anthracene	0.122	0.00247	"	0.166	<0.00247	73.4	30-130	2.4	30	
Benzo(a)pyrene	0.118	0.00234	"	0.166	<0.00234	71	30-130	1.7	30	
2-Methylnaphthalene	0.0948	0.00323	"	0.166	<0.00323	57.1	30-130	5.6	30	
Benzo(k)fluoranthene	0.093	0.00219	"	0.166	0.00301	54.2	30-130	11.6	30	
Pyrene	0.132	0.00322	"	0.166	<0.00322	79.5	30-130	12	30	
Naphthalene	0.104	0.00242	"	0.166	<0.00242	62.6	30-130	9	30	
Indeno(1,2,3-cd)pyrene	0.113	0.00314	"	0.166	<0.00314	68	30-130	16.3	30	
Fluorene	0.112	0.00143	"	0.166	<0.00143	67.4	30-130	18.6	30	
Fluoranthene	0.132	0.00197	"	0.166	<0.00197	79.5	30-130	8.6	30	
Benzo(b)fluoranthene	0.0918	0.00293	"	0.166	<0.00293	55.3	30-130	12.6	30	
Dibenz(a,h)anthracene	0.101	0.00307	"	0.166	<0.00307	60.8	30-130	16.3	30	
Surrogate: 4-Terphenyl-d14	79.4		"	0.331	190	79.4	33-122			
Surrogate: 2-Fluorobiphenyl	53.1		"	0.331	158	53.1	33-115			
Surrogate: Nitrobenzene-d5	57		"	0.331	165	57	29-110			

MS (A 72122-MS-L630882)		Source: 72122			Prepared: 08/08/2022 Analyzed: 08/09/2022					
2-Methylnaphthalene	0.0896	0.00323	mg/Kg	0.164	<0.00323	54.6	30-130			
1-Methylnaphthalene	0.0923	0.00182	"	0.164	<0.00182	56.2	30-130			
Acenaphthene	0.0916	0.00152	"	0.164	<0.00152	55.8	30-130			
Anthracene	0.113	0.00167	"	0.164	<0.00167	68.9	30-130			
Benzo(a)pyrene	0.116	0.00234	"	0.164	<0.00234	70.7	30-130			
Pyrene	0.117	0.00322	"	0.164	<0.00322	71.3	30-130			
Naphthalene	0.095	0.00242	"	0.164	<0.00242	57.9	30-130			

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 - West farms 2-14A

**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 L630882 - 3550B**

MS (A 72122-MS-L630882)		Source: 72122			Prepared: 08/08/2022 Analyzed: 08/09/2022					
Indeno(1,2,3-cd)pyrene	0.0959	0.00314	mg/Kg	0.164	<0.00314	58.4	30-130			
Fluorene	0.0929	0.00143	"	0.164	<0.00143	56.6	30-130			
Fluoranthene	0.121	0.00197	"	0.164	<0.00197	73.7	30-130			
Dibenz(a,h)anthracene	0.0857	0.00307	"	0.164	<0.00307	52.2	30-130			
Chrysene	0.115	0.00312	"	0.164	<0.00312	70.1	30-130			
Benzo(k)fluoranthene	0.0828	0.00219	"	0.164	0.00301	48.6	30-130			
Benzo(b)fluoranthene	0.0809	0.00293	"	0.164	<0.00293	49.3	30-130			
Benzo(a)anthracene	0.119	0.00247	"	0.164	<0.00247	72.5	30-130			
Surrogate: 4-Terphenyl-d14	72.3		"	0.329	190	72.3	33-122			
Surrogate: 2-Fluorobiphenyl	56.2		"	0.329	158	56.2	33-115			
Surrogate: Nitrobenzene-d5	59.8		"	0.329	165	59.8	29-110			

LCS (LCS-L630882)		Prepared: 08/08/2022 Analyzed: 08/09/2022								
Anthracene	0.102	0.000334	mg/Kg	0.167		61	30-130			
Benzo(a)pyrene	0.0987	0.000468	"	0.167		59.1	30-130			
2-Methylnaphthalene	0.0848	0.000645	"	0.167		50.7	30-130			
Benzo(b)fluoranthene	0.0935	0.000585	"	0.167		55.9	30-130			
Benzo(k)fluoranthene	0.0933	0.000437	"	0.167		55.8	30-130			
Chrysene	0.098	0.000624	"	0.167		58.6	30-130			
Dibenz(a,h)anthracene	0.102	0.000614	"	0.167		61	30-130			
Fluoranthene	0.103	0.000394	"	0.167		61.6	30-130			
Fluorene	0.0962	0.000286	"	0.167		57.6	30-130			
Naphthalene	0.0964	0.000484	"	0.167		57.7	30-130			
Acenaphthene	0.0912	0.000304	"	0.167		54.6	30-130			
Pyrene	0.104	0.000643	"	0.167		62.2	30-130			
Benzo(a)anthracene	0.096	0.000493	"	0.167		57.4	30-130			
1-Methylnaphthalene	0.0844	0.000364	"	0.167		50.5	30-130			

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 - West farms 2-14A

**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 L630882 - 3550B**

**LCS (LCS-L630882)**

Prepared: 08/08/2022 Analyzed: 08/09/2022

Indeno(1,2,3-cd)pyrene	0.0848	0.000627	mg/Kg	0.167		50.7	30-130			
Surrogate: 2-Fluorobiphenyl	65.7		"	0.333		65.7	33-115			
Surrogate: Nitrobenzene-d5	55.8		"	0.333		55.8	29-110			
Surrogate: 4-Terphenyl-d14	80.4		"	0.333		80.4	33-122			

**LRB (LRB-L630882)**

Prepared: 08/08/2022 Analyzed: 08/09/2022

Dibenz(a,h)anthracene	ND	0.00067	mg/Kg				-			
Fluoranthene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Pyrene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00067	"				-			
Naphthalene	ND	0.00067	"				-			
Surrogate: 4-Terphenyl-d14	73.2		"	0.333		73.2	33-122			
Surrogate: Nitrobenzene-d5	52.8		"	0.333		52.8	29-110			
Surrogate: 2-Fluorobiphenyl	61.5		"	0.333		61.5	33-115			

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 - West farms 2-14A

**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 L630750 - 3550B**

MSD (L 95057-MSD-L630750)		Source: 95057			Prepared: 08/08/2022 Analyzed: 08/08/2022					
Benzo(a)anthracene	0.11	0.000493	mg/Kg	0.163	<0.000493	67.4	30-130	5.6	30	
Indeno(1,2,3-cd)pyrene	0.122	0.000627	"	0.163	<0.000627	74.8	30-130	6.7	30	
1-Methylnaphthalene	0.09	0.000364	"	0.163	<0.000364	55.2	30-130	15.1	30	
Acenaphthene	0.0896	0.000304	"	0.163	<0.000304	54.9	30-130	13.2	30	
Pyrene	0.109	0.000643	"	0.163	<0.000643	66.8	30-130	10.2	30	
Naphthalene	0.0925	0.000484	"	0.163	<0.000484	56.7	30-130	14.7	30	
Fluorene	0.0954	0.000286	"	0.163	<0.000286	58.5	30-130	10.8	30	
Fluoranthene	0.109	0.000394	"	0.163	<0.000394	66.8	30-130	7.6	30	
Dibenz(a,h)anthracene	0.107	0.000614	"	0.163	<0.000614	65.6	30-130	2.8	30	
2-Methylnaphthalene	0.0881	0.000645	"	0.163	<0.000645	54	30-130	15	30	
Chrysene	0.105	0.000624	"	0.163	<0.000624	64.4	30-130	8.9	30	
Anthracene	0.0996	0.000334	"	0.163	<0.000334	61.1	30-130	9.7	30	
Benzo(a)pyrene	0.11	0.000468	"	0.163	<0.000468	67.4	30-130	5.6	30	
Benzo(b)fluoranthene	0.108	0.000585	"	0.163	<0.000585	66.2	30-130	8.4	30	
Benzo(k)fluoranthene	0.0961	0.000437	"	0.163	<0.000437	58.9	30-130	6.8	30	
Surrogate: Nitrobenzene-d5	58.7		"	0.327	193	58.7	29-110			
Surrogate: 2-Fluorobiphenyl	60.8		"	0.327	194	60.8	33-115			
Surrogate: 4-Terphenyl-d14	72.1		"	0.327	240	72.1	33-122			

MS (L 95057-MS-L630750)		Source: 95057			Prepared: 08/08/2022 Analyzed: 08/08/2022					
Chrysene	0.096	0.000624	mg/Kg	0.166	<0.000624	57.8	30-130			
Anthracene	0.0903	0.000334	"	0.166	<0.000334	54.3	30-130			
Naphthalene	0.0798	0.000484	"	0.166	<0.000484	48	30-130			
Indeno(1,2,3-cd)pyrene	0.114	0.000627	"	0.166	<0.000627	68.6	30-130			
Fluorene	0.0856	0.000286	"	0.166	<0.000286	51.5	30-130			
Fluoranthene	0.101	0.000394	"	0.166	<0.000394	60.8	30-130			
Dibenz(a,h)anthracene	0.104	0.000614	"	0.166	<0.000614	62.6	30-130			

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 - West farms 2-14A

**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 L630750 - 3550B**

MS (L 95057-MS-L630750)		Source: 95057			Prepared: 08/08/2022 Analyzed: 08/08/2022					
Pyrene	0.0984	0.000643	mg/Kg	0.166	<0.000643	59.2	30-130			
Benzo(a)pyrene	0.104	0.000468	"	0.166	<0.000468	62.6	30-130			
1-Methylnaphthalene	0.0773	0.000364	"	0.166	<0.000364	46.5	30-130			
Benzo(k)fluoranthene	0.0897	0.000437	"	0.166	<0.000437	54	30-130			
2-Methylnaphthalene	0.0758	0.000645	"	0.166	<0.000645	45.6	30-130			
Acenaphthene	0.0785	0.000304	"	0.166	<0.000304	47.2	30-130			
Benzo(a)anthracene	0.104	0.000493	"	0.166	<0.000493	62.6	30-130			
Benzo(b)fluoranthene	0.0992	0.000585	"	0.166	<0.000585	59.7	30-130			
Surrogate: Nitrobenzene-d5	50.9		"	0.332	193	50.9	29-110			
Surrogate: 2-Fluorobiphenyl	51.8		"	0.332	194	51.8	33-115			
Surrogate: 4-Terphenyl-d14	65.3		"	0.332	240	65.3	33-122			

LCS (LCS-L630750)		Prepared: 08/08/2022 Analyzed: 08/08/2022								
1-Methylnaphthalene	0.0864	0.000364	mg/Kg	0.167		51.7	30-130			
Chrysene	0.0933	0.000624	"	0.167		55.8	30-130			
Naphthalene	0.0905	0.000484	"	0.167		54.1	30-130			
Indeno(1,2,3-cd)pyrene	0.117	0.000627	"	0.167		70	30-130			
Fluorene	0.0934	0.000286	"	0.167		55.9	30-130			
Fluoranthene	0.103	0.000394	"	0.167		61.6	30-130			
Dibenz(a,h)anthracene	0.103	0.000614	"	0.167		61.6	30-130			
Pyrene	0.103	0.000643	"	0.167		61.6	30-130			
Benzo(b)fluoranthene	0.115	0.000585	"	0.167		68.8	30-130			
Benzo(a)pyrene	0.102	0.000468	"	0.167		61	30-130			
Benzo(a)anthracene	0.102	0.000493	"	0.167		61	30-130			
Anthracene	0.0949	0.000334	"	0.167		56.8	30-130			
Acenaphthene	0.0856	0.000304	"	0.167		51.2	30-130			
2-Methylnaphthalene	0.0859	0.000645	"	0.167		51.4	30-130			

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 - West farms 2-14A

**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 L630750 - 3550B**

**LCS (LCS-L630750)**

Prepared: 08/08/2022 Analyzed: 08/08/2022

Benzo(k)fluoranthene	0.096	0.000437	mg/Kg	0.167		57.4	30-130			
Surrogate: Nitrobenzene-d5	65.4		"	0.333		65.4	29-110			
Surrogate: 4-Terphenyl-d14	72.6		"	0.333		72.6	33-122			
Surrogate: 2-Fluorobiphenyl	68.7		"	0.333		68.7	33-115			

**LRB (LRB-L630750)**

Prepared: 08/08/2022 Analyzed: 08/08/2022

Pyrene	ND	0.00067	mg/Kg				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
Naphthalene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Surrogate: Nitrobenzene-d5	29.7		"	0.333		29.7	29-110			
Surrogate: 4-Terphenyl-d14	34.2		"	0.333		34.2	33-122			
Surrogate: 2-Fluorobiphenyl	30		"	0.333		30	33-115			*

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 - West farms 2-14A

### 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.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

\* 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.



*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.*