



February 18, 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. February 09, 2022. This project is associated with Origins project number Y202193-01.

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-B04@5'	Y202193-01	Soil	February 9, 2022 9:00	02/09/2022 16:52
Pit-S02@4'	Y202193-02	Soil	February 9, 2022 9:02	02/09/2022 16:52
Pit-S03@4'	Y202193-03	Soil	February 9, 2022 9:04	02/09/2022 16:52
Pit-W02@4'	Y202193-04	Soil	February 9, 2022 9:06	02/09/2022 16:52
Pit-W03@4'	Y202193-05	Soil	February 9, 2022 9:08	02/09/2022 16:52
Pit-W04@4'	Y202193-06	Soil	February 9, 2022 9:10	02/09/2022 16:52

Origins Laboratory, Inc.



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

# ORIGINS

LABORATORY, INC

4202493

www.originslaboratory.com

page of

Client: Oxy / Tasman

Project Manager: Andy Sagen

Address: \_\_\_\_\_

Project Name: Nest Farm 2-14-14

Telephone Number: \_\_\_\_\_

Project Number: \_\_\_\_\_

Email Address: Andy.Sagen@originslab.com

Samples Collected By: DL

\_\_\_\_\_

\_\_\_\_\_

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
Pit-90455	2-9-12	905	2	X					X			IMB-5 PMS Solowin	1
Pit-90456		907	1							X			2
Pit-90457		904											3
Pit-90458		906											4
Pit-90459		908											5
Pit-90460		910											6
Pit-90461													7
Pit-90462													8
Pit-90463													9
Pit-90464													10

Relinquished By:	Date:	Time:	Received By:	Date:	Time:	Turnaround Time:
_____	2-9-12	1052	_____	2/9/12	1052	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: 17

Date Results Needed

1725 Elk Place

Denver CO 80211

Phone: 303.433.1322

Fax: 303.265.9645

Origins Laboratory, Inc.

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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: Y202193

Client: Tasman

Client Project ID: West Farms

Checklist Completed by: SA

Shipped Via: HD

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

Date/time completed: 2/9/22

Airbill #: N/A

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

Cooler Number/Temperature: 1,4,2 °C 1 °C 1 °C 1 °C (Describe)

Thermometer ID: T003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked <sup>(1)</sup> ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for sub-contracted 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 type="checkbox"/>	<input type="checkbox"/>	<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)

2/9/22  
Date/Time Reviewed

Origins Laboratory, Inc.

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-B04@5'

2/9/2022 9:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y202193-01 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2B0928	02/09/2022	02/10/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 86.1 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2B0929	02/09/2022	02/10/2022	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 97.0 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 102 % 70-130 " " "

**PAH by 8270D SIM**

Origins Laboratory, Inc.



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Pit-B04@5'

2/9/2022 9:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
Y202193-01 (Soil)

**PAH by 8270D SIM**

1-Methylnaphthalene	0.00039	0.000364	0.00067	mg/Kg	1	L599814	02/16/2022	02/17/2022	J
2-Methylnaphthalene	0.00067	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	56.8 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	71.5 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	54.7 %	29-110	"	"	"

Origins Laboratory, Inc.

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

Pit-B04@5'

2/9/2022 9:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y202193-01 (Soil)

## Total Metals by 6020B

Selenium	0.211	0.103	0.25	mg/Kg	5	L599214	02/14/2022	02/16/2022	J
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Origins Laboratory, Inc.



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Tasman Geosciences  
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Broomfield CO 80020

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

Pit-S02@4'

2/9/2022 9:02:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y202193-02 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	392		25.0	mg/kg	1	B2B0928	02/09/2022	02/10/2022	
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl 88.4 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	0.965		0.500	mg/kg	250	B2B0929	02/09/2022	02/10/2022	
1,3,5-Trimethylbenzene	ND		0.00200	"	1	"	"	02/10/2022	U
Benzene	0.00306		0.00200	"	"	"	"	"	
Ethylbenzene	0.00544		0.00200	"	"	"	"	"	
Toluene	0.00904		0.00200	"	"	"	"	"	
Xylenes, total	0.0140		0.00200	"	"	"	"	"	
Gasoline Range Hydrocarbons	301		50.0	"	250	"	"	02/10/2022	

Surrogate: 1,2-Dichloroethane-d4 101 % 70-130 " " "  
Surrogate: Toluene-d8 96.8 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 105 % 70-130 " " "

**PAH by 8270D SIM**

1-Methylnaphthalene	1.16	0.00364	0.0067	mg/Kg	10	L599814	02/16/2022	02/17/2022	
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Broomfield CO 80020

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

Pit-S02@4'

2/9/2022 9:02:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y202193-02 (Soil)**

**PAH by 8270D SIM**

2-Methylnaphthalene	2.7	0.00645	0.0067	mg/Kg	10	L599814	02/16/2022	02/17/2022
Acenaphthene	0.108	0.00304	0.0067	"	"	"	"	"
Anthracene	0.0352	0.00334	0.0067	"	"	"	"	"
Benzo(a)anthracene	ND	0.00493	0.0067	"	"	"	"	"
Benzo(a)pyrene	ND	0.00468	0.0067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.00585	0.0067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.00437	0.0067	"	"	"	"	"
Chrysene	0.00915	0.00624	0.0067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.00614	0.0067	"	"	"	"	"
Fluoranthene	0.0699	0.00394	0.0067	"	"	"	"	"
Fluorene	0.127	0.00286	0.0067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.00627	0.0067	"	"	"	"	"
Naphthalene	0.0513	0.00484	0.0067	"	"	"	"	"
Pyrene	0.0608	0.00643	0.0067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	56.9 %		33-115			"	"	"
Surrogate: 4-Terphenyl-d14	75.3 %		33-122			"	"	"
Surrogate: Nitrobenzene-d5	97 %		29-110			"	"	"

**Total Metals by 6020B**

Selenium	0.51	0.103	0.25	mg/Kg	5	L599214	02/14/2022	02/16/2022
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Project: KMG - West farms 2-14A

Pit-S03@4'

2/9/2022 9:04:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y202193-03 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	611		25.0	mg/kg	1	B2B0928	02/09/2022	02/10/2022	
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl 87.2 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	0.990		0.500	mg/kg	250	B2B0929	02/09/2022	02/10/2022	
1,3,5-Trimethylbenzene	ND		0.00200	"	1	"	"	02/10/2022	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	0.00644		0.00200	"	"	"	"	"	
Toluene	0.00408		0.00200	"	"	"	"	"	
Xylenes, total	0.0250		0.00200	"	"	"	"	"	
Gasoline Range Hydrocarbons	313		50.0	"	250	"	"	02/10/2022	

Surrogate: 1,2-Dichloroethane-d4 101 % 70-130 " " "  
Surrogate: Toluene-d8 96.6 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 106 % 70-130 " " "

**PAH by 8270D SIM**

1-Methylnaphthalene	0.207	0.000364	0.00067	mg/Kg	1	L599814	02/16/2022	02/17/2022	
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Andy Sagen  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-S03@4'

2/9/2022 9:04:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y202193-03 (Soil)**

**PAH by 8270D SIM**

2-Methylnaphthalene	0.512	0.000645	0.00067	mg/Kg	1	L599814	02/16/2022	02/17/2022	
Acenaphthene	0.0141	0.000304	0.00067	"	"	"	"	"	
Anthracene	0.00285	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	0.00049	0.000468	0.00067	"	"	"	"	"	J
Benzo(b)fluoranthene	0.000614	0.000585	0.00067	"	"	"	"	"	J
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	0.000869	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	0.00523	0.000394	0.00067	"	"	"	"	"	
Fluorene	0.0216	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Naphthalene	0.00816	0.000484	0.00067	"	"	"	"	"	
Pyrene	0.00498	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	51.4 %		33-115			"	"	"
Surrogate: 4-Terphenyl-d14	63.8 %		33-122			"	"	"
Surrogate: Nitrobenzene-d5	50.2 %		29-110			"	"	"

**Total Metals by 6020B**

Selenium	0.319	0.103	0.25	mg/Kg	5	L599214	02/14/2022	02/16/2022
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Project: KMG - West farms 2-14A

Pit-W02@4'

2/9/2022 9:06:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y202193-04 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2B0928	02/09/2022	02/10/2022	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	B2B0929	02/09/2022	02/10/2022	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 104 % 70-130 " " "  
Surrogate: Toluene-d8 96.9 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 104 % 70-130 " " "

**PAH by 8270D SIM**

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

Pit-W02@4'

2/9/2022 9:06:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y202193-04 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	0.00338	0.000364	0.00067	mg/Kg	1	L599814	02/16/2022	02/17/2022
2-Methylnaphthalene	0.00637	0.000645	0.00067	"	"	"	"	"
Acenaphthene	0.00115	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	0.00192	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	0.000719	0.000484	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	43.7 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	57.8 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	41.6 %	29-110	"	"	"

Origins Laboratory, Inc.

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-W02@4'

2/9/2022 9:06:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y202193-04 (Soil)

## Total Metals by 6020B

Selenium	0.253	0.103	0.25	mg/Kg	5	L599214	02/14/2022	02/16/2022
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Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-W03@4'

2/9/2022 9:08:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y202193-05 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2B0928	02/09/2022	02/10/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 108 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	0.00512	0.00200	mg/kg	1	B2B0929	02/09/2022	02/10/2022	
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	1.04	0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4 109 % 70-130 " " "  
Surrogate: Toluene-d8 95.5 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 113 % 70-130 " " "

**PAH by 8270D SIM**

Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-W03@4'

2/9/2022 9:08:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y202193-05 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	0.00756	0.000364	0.00067	mg/Kg	1	L599814	02/16/2022	02/17/2022	
2-Methylnaphthalene	0.0134	0.000645	0.00067	"	"	"	"	"	
Acenaphthene	0.000592	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	0.000618	0.000394	0.00067	"	"	"	"	"	J
Fluorene	0.00175	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Naphthalene	0.00173	0.000484	0.00067	"	"	"	"	"	
Pyrene	0.000919	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	43.7 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	58.4 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	43.1 %	29-110	"	"	"

Origins Laboratory, Inc.

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-W03@4'

2/9/2022 9:08:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y202193-05 (Soil)

## Total Metals by 6020B

Selenium	0.483	0.103	0.25	mg/Kg	5	L599214	02/14/2022	02/16/2022
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Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-W04@4'

2/9/2022 9:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y202193-06 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	119		25.0	mg/kg	1	B2B0928	02/09/2022	02/10/2022	
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl 86.6 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	0.173		0.00200	mg/kg	1	B2B0929	02/09/2022	02/10/2022	
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	0.00280		0.00200	"	"	"	"	"	
Toluene	0.00246		0.00200	"	"	"	"	"	
Xylenes, total	0.00826		0.00200	"	"	"	"	"	
Gasoline Range Hydrocarbons	99.7		50.0	"	250	"	"	02/10/2022	

Surrogate: 1,2-Dichloroethane-d4 98.0 % 70-130 " " "  
Surrogate: Toluene-d8 97.8 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 103 % 70-130 " " "

**PAH by 8270D SIM**

1-Methylnaphthalene	0.633	0.00182	0.00335	mg/Kg	5	L599814	02/16/2022	02/17/2022	
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Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-W04@4'

2/9/2022 9:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y202193-06 (Soil)**

**PAH by 8270D SIM**

2-Methylnaphthalene	1.43	0.00323	0.00335	mg/Kg	5	L599814	02/16/2022	02/17/2022
Acenaphthene	0.0381	0.00152	0.00335	"	"	"	"	"
Anthracene	0.00449	0.00167	0.00335	"	"	"	"	"
Benzo(a)anthracene	ND	0.00247	0.00335	"	"	"	"	"
Benzo(a)pyrene	ND	0.00234	0.00335	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.00293	0.00335	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.00219	0.00335	"	"	"	"	"
Chrysene	ND	0.00312	0.00335	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.00307	0.00335	"	"	"	"	"
Fluoranthene	0.00973	0.00197	0.00335	"	"	"	"	"
Fluorene	0.0488	0.00143	0.00335	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.00314	0.00335	"	"	"	"	"
Naphthalene	0.0342	0.00242	0.00335	"	"	"	"	"
Pyrene	0.00862	0.00322	0.00335	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	63.2 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	72.6 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	81.8 %	29-110	"	"	"

**Total Metals by 6020B**

Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-W04@4'

2/9/2022 9:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y202193-06 (Soil)

## Total Metals by 6020B

Selenium	0.494	0.103	0.25	mg/Kg	5	L599214	02/14/2022	02/16/2022
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Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Andy Sagen  
Project Number: 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
<b>Batch B2B0928 - EPA 3550B</b>										
<b>Blank (B2B0928-BLK1)</b>					Prepared: 02/09/2022 Analyzed: 02/09/2022					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	24		"	24.9		96.5	50-150			

Origins Laboratory, Inc.



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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
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**Batch B2B0928 - EPA 3550B**

**LCS (B2B0928-BS1)**

Prepared: 02/09/2022 Analyzed: 02/09/2022

Diesel (C10-C28)	1100	50.0	mg/kg	1000		110	70-130			
Residual Range Organics (C28-C40)	925	200	"	1000		92.5	70-130			
Surrogate: o-Terphenyl	44		"	49.8		88.6	50-150			

Origins Laboratory, Inc.



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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
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**Batch B2B0928 - EPA 3550B**

Matrix Spike (B2B0928-MS1)		Source: Y202191-01			Prepared: 02/09/2022 Analyzed: 02/10/2022					
Diesel (C10-C28)	1120	50.0	mg/kg	1000	ND	112	70-130			
Residual Range Organics (C28-C40)	940	200	"	1000	ND	94.0	70-130			
Surrogate: o-Terphenyl	48		"	49.8		97.2	50-150			

Origins Laboratory, Inc.



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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
<b>Batch B2B0928 - EPA 3550B</b>										
<b>Matrix Spike Dup (B2B0928-MSD1)</b>	<b>Source: Y202191-01</b>				Prepared: 02/09/2022 Analyzed: 02/10/2022					
Diesel (C10-C28)	1060	50.0	mg/kg	1000	ND	106	70-130	5.66	35	
Residual Range Organics (C28-C40)	885	200	"	1000	ND	88.5	70-130	6.08	35	
Surrogate: o-Terphenyl	51		"	49.8		103	50-150			

Origins Laboratory, Inc.



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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
<b>Batch B2B0929 - EPA 5030 (soil)</b>										
<b>Blank (B2B0929-BLK1)</b>					Prepared: 02/09/2022 Analyzed: 02/09/2022					
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		95.4	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	70-130			

Origins Laboratory, Inc.



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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 B2B0929 - EPA 5030 (soil)</b>										
<b>LCS (B2B0929-BS1)</b>					Prepared: 02/09/2022 Analyzed: 02/09/2022					
1,2,4-Trimethylbenzene	0.117	0.00200	mg/kg	0.100		117	70-130			
1,3,5-Trimethylbenzene	0.120	0.00200	"	0.100		120	70-130			
Benzene	0.108	0.00200	"	0.100		108	70-130			
Ethylbenzene	0.116	0.00200	"	0.100		116	70-130			
Naphthalene	0.105	0.0100	"	0.100		105	70-130			
Toluene	0.110	0.00200	"	0.100		110	70-130			
o-Xylene	0.116	0.00200	"	0.100		116	70-130			
m,p-Xylene	0.234	0.00400	"	0.200		117	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		93.3	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	70-130			

Origins Laboratory, Inc.



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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 B2B0929 - EPA 5030 (soil)</b>										
<b>Matrix Spike (B2B0929-MS1)</b>		<b>Source: Y202193-01</b>			Prepared: 02/09/2022 Analyzed: 02/09/2022					
1,2,4-Trimethylbenzene	0.110	0.00200	mg/kg	0.100	0.000560	109	70-130			
1,3,5-Trimethylbenzene	0.111	0.00200	"	0.100	ND	111	70-130			
Benzene	0.103	0.00200	"	0.100	ND	103	70-130			
Ethylbenzene	0.107	0.00200	"	0.100	ND	107	70-130			
Naphthalene	0.113	0.0100	"	0.100	ND	113	70-130			
Toluene	0.103	0.00200	"	0.100	ND	103	70-130			
o-Xylene	0.108	0.00200	"	0.100	ND	108	70-130			
m,p-Xylene	0.215	0.00400	"	0.200	ND	107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		96.8	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	70-130			

Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Andy Sagen  
Project Number: 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 B2B0929 - EPA 5030 (soil)</b>										
<b>Matrix Spike Dup (B2B0929-MSD1)</b>		<b>Source: Y202193-01</b>			Prepared: 02/09/2022 Analyzed: 02/09/2022					
1,2,4-Trimethylbenzene	0.106	0.00200	mg/kg	0.100	0.000560	106	70-130	3.22	20	
1,3,5-Trimethylbenzene	0.110	0.00200	"	0.100	ND	110	70-130	0.961	20	
Benzene	0.101	0.00200	"	0.100	ND	101	70-130	2.01	20	
Ethylbenzene	0.105	0.00200	"	0.100	ND	105	70-130	2.00	20	
Naphthalene	0.111	0.0100	"	0.100	ND	111	70-130	2.39	20	
Toluene	0.100	0.00200	"	0.100	ND	100	70-130	2.60	20	
o-Xylene	0.106	0.00200	"	0.100	ND	106	70-130	1.72	20	
m,p-Xylene	0.210	0.00400	"	0.200	ND	105	70-130	2.19	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		98.2	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	70-130			

Origins Laboratory, Inc.

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Andy Sagen  
Project Number: 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
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**PAH by 8270D SIM - Quality Control**  
**Waypoint Analytical, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L599814 - 3550B**

MSD (L 89594-MSD-L599814)		Source: 89594			Prepared: 02/16/2022 Analyzed: 02/17/2022					
Benzo(k)fluoranthene	0.0834	0.000437	mg/Kg	0.166	<0.000437	50.2	30-130	9	30	
1-Methylnaphthalene	0.0779	0.000364	"	0.166	<0.000364	46.9	30-130	2	30	
2-Methylnaphthalene	0.0766	0.000645	"	0.166	<0.000645	46.1	30-130	2.4	30	
Acenaphthene	0.0741	0.000304	"	0.166	<0.000304	44.6	30-130	3.9	30	
Anthracene	0.0894	0.000334	"	0.166	<0.000334	53.8	30-130	0.8	30	
Benzo(a)anthracene	0.0994	0.000493	"	0.166	<0.000493	59.8	30-130	1.3	30	
Benzo(a)pyrene	0.109	0.000468	"	0.166	<0.000468	65.6	30-130	2.7	30	
Chrysene	0.105	0.000624	"	0.166	<0.000624	63.2	30-130	0.9	30	
Pyrene	0.0972	0.000643	"	0.166	<0.000643	58.5	30-130	0.7	30	
Benzo(b)fluoranthene	0.0838	0.000585	"	0.166	<0.000585	50.4	30-130	4.5	30	
Naphthalene	0.0803	0.000484	"	0.166	<0.000484	48.3	30-130	0.9	30	
Indeno(1,2,3-cd)pyrene	0.0848	0.000627	"	0.166	<0.000627	51	30-130	8	30	
Fluorene	0.0843	0.000286	"	0.166	<0.000286	50.7	30-130	3	30	
Fluoranthene	0.0992	0.000394	"	0.166	<0.000394	59.7	30-130	0.6	30	
Dibenz(a,h)anthracene	0.0992	0.000614	"	0.166	<0.000614	59.7	30-130	7.5	30	
Surrogate: 2-Fluorobiphenyl	52.8		%	0.331	162	52.8	33-115			
Surrogate: 4-Terphenyl-d14	69.1		"	0.331	206	69.1	33-122			
Surrogate: Nitrobenzene-d5	53.4		"	0.331	157	53.4	29-110			

MS (L 89594-MS-L599814)		Source: 89594			Prepared: 02/16/2022 Analyzed: 02/17/2022					
Benzo(k)fluoranthene	0.0913	0.000437	mg/Kg	0.163	<0.000437	56	30-130			
Chrysene	0.104	0.000624	"	0.163	<0.000624	63.8	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
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**Batch L599814 - 3550B**

MS (L 89594-MS-L599814)		Source: 89594			Prepared: 02/16/2022 Analyzed: 02/17/2022					
Naphthalene	0.0811	0.000484	mg/Kg	0.163	<0.000484	49.7	30-130			
Indeno(1,2,3-cd)pyrene	0.0919	0.000627	"	0.163	<0.000627	56.3	30-130			
Fluorene	0.0869	0.000286	"	0.163	<0.000286	53.3	30-130			
Fluoranthene	0.0986	0.000394	"	0.163	<0.000394	60.4	30-130			
Pyrene	0.0965	0.000643	"	0.163	<0.000643	59.2	30-130			
Benzo(a)pyrene	0.106	0.000468	"	0.163	<0.000468	65	30-130			
1-Methylnaphthalene	0.0795	0.000364	"	0.163	<0.000364	48.7	30-130			
Benzo(a)anthracene	0.0981	0.000493	"	0.163	<0.000493	60.1	30-130			
Anthracene	0.0886	0.000334	"	0.163	<0.000334	54.3	30-130			
Acenaphthene	0.0771	0.000304	"	0.163	<0.000304	47.3	30-130			
2-Methylnaphthalene	0.0785	0.000645	"	0.163	<0.000645	48.1	30-130			
Benzo(b)fluoranthene	0.0801	0.000585	"	0.163	<0.000585	49.1	30-130			
Dibenz(a,h)anthracene	0.107	0.000614	"	0.163	<0.000614	65.6	30-130			
Surrogate: Nitrobenzene-d5	48.1		%	0.326	157	48.1	29-110			
Surrogate: 2-Fluorobiphenyl	49.6		"	0.326	162	49.6	33-115			
Surrogate: 4-Terphenyl-d14	61.3		"	0.326	206	61.3	33-122			

**LCS (LCS-L599814)**

Prepared: 02/16/2022 Analyzed: 02/17/2022

Benzo(k)fluoranthene	0.0917	0.000437	mg/Kg	0.167		54.9	30-130
Chrysene	0.107	0.000624	"	0.167		64	30-130
Dibenz(a,h)anthracene	0.11	0.000614	"	0.167		65.8	30-130
Fluoranthene	0.104	0.000394	"	0.167		62.2	30-130
Fluorene	0.0915	0.000286	"	0.167		54.7	30-130
Indeno(1,2,3-cd)pyrene	0.0936	0.000627	"	0.167		56	30-130
Naphthalene	0.0898	0.000484	"	0.167		53.7	30-130
Pyrene	0.102	0.000643	"	0.167		61	30-130
Benzo(b)fluoranthene	0.0884	0.000585	"	0.167		52.9	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: 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
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**Batch L599814 - 3550B**

**LCS (LCS-L599814)**

Prepared: 02/16/2022 Analyzed: 02/17/2022

Benzo(a)anthracene	0.105	0.000493	mg/Kg	0.167		62.8	30-130			
Acenaphthene	0.0837	0.000304	"	0.167		50.1	30-130			
2-Methylnaphthalene	0.087	0.000645	"	0.167		52	30-130			
1-Methylnaphthalene	0.0882	0.000364	"	0.167		52.8	30-130			
Anthracene	0.0946	0.000334	"	0.167		56.6	30-130			
Benzo(a)pyrene	0.113	0.000468	"	0.167		67.6	30-130			
Surrogate: 4-Terphenyl-d14	67.5		%	0.333		67.5	33-122			
Surrogate: Nitrobenzene-d5	54.3		"	0.333		54.3	29-110			
Surrogate: 2-Fluorobiphenyl	57		"	0.333		57	33-115			

**LRB (LRB-L599814)**

Prepared: 02/16/2022 Analyzed: 02/17/2022

Indeno(1,2,3-cd)pyrene	ND	0.00067	mg/Kg				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00067	"				-			
Naphthalene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00067	"				-			
Pyrene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
Surrogate: Nitrobenzene-d5	52.2		%	0.333		52.2	29-110			

Origins Laboratory, Inc.

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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
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Batch L599814 - 3550B

LRB (LRB-L599814)

Prepared: 02/16/2022 Analyzed: 02/17/2022

Surrogate: 4-Terphenyl-d14	64.2	%	0.333	64.2	33-122
Surrogate: 2-Fluorobiphenyl	55.8	"	0.333	55.8	33-115

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch L599214 - 3050B</b>										
<b>MSD (L 90284-MSD-L599214)</b>		<b>Source: 90284</b>			Prepared: 02/14/2022 Analyzed: 02/16/2022					
Selenium	4.02	0.103	mg/Kg	4.81	0.961	64	75-125	2.6	80	*
<b>MS (L 90284-MS-L599214)</b>		<b>Source: 90284</b>			Prepared: 02/14/2022 Analyzed: 02/16/2022					
Selenium	4.13	0.103	mg/Kg	4.76	0.961	67	75-125			*
<b>LCS (LCS-L599214)</b>					Prepared: 02/14/2022 Analyzed: 02/16/2022					
Selenium	4.68	0.103	mg/Kg	5		94	80-120			
<b>LRB (LRB-L599214)</b>					Prepared: 02/14/2022 Analyzed: 02/16/2022					
Selenium	ND	0.25	mg/Kg				-			

Origins Laboratory, Inc.



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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.*



February 28, 2022

Tasman Geosciences

Mike Jahn

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. February 15, 2022. This project is associated with Origins project number Y202339-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.  
303.433.1322  
o-squad@oelabinc.com



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

Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

**CROSS REFERENCE REPORT**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Pit-B05@5'	Y202339-01	Soil	February 15, 2022 15:15	02/15/2022 17:36
Pit-B06@5'	Y202339-02	Soil	February 15, 2022 15:17	02/15/2022 17:36
Pit-B07@5'	Y202339-03	Soil	February 15, 2022 15:19	02/15/2022 17:36
Pit-B08@5'	Y202339-04	Soil	February 15, 2022 15:21	02/15/2022 17:36
Pit-B09@5'	Y202339-05	Soil	February 15, 2022 15:23	02/15/2022 17:36
Pit-B10@5'	Y202339-06	Soil	February 15, 2022 15:25	02/15/2022 17:36
Pit-N04@4'	Y202339-07	Soil	February 15, 2022 15:44	02/15/2022 17:36
Pit-S04@4'	Y202339-08	Soil	February 15, 2022 15:46	02/15/2022 17:36
Pit-S05@4'	Y202339-09	Soil	February 15, 2022 15:48	02/15/2022 17:36
Pit-S06@4'	Y202339-10	Soil	February 15, 2022 15:50	02/15/2022 17:36
Pit-E02@4'	Y202339-11	Soil	February 15, 2022 15:52	02/15/2022 17:36
Pit-E03@4'	Y202339-12	Soil	February 15, 2022 15:54	02/15/2022 17:36
Pit-E04@4'	Y202339-13	Soil	February 15, 2022 15:56	02/15/2022 17:36
Pit-W05@4'	Y202339-14	Soil	February 15, 2022 15:58	02/15/2022 17:36

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

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

### CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Pit-W06@4'	Y202339-15	Soil	February 15, 2022 16:00	02/15/2022 17:36

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

**ORIGINS**  
LABORATORY, INC

www.originslaboratory.com

420259

page 1 of 2

Client: OX / Tasman  
Address: \_\_\_\_\_  
Project Manager: Andy Sosa  
Project Name: West Farms 2-14A  
Project Number: \_\_\_\_\_  
Telephone Number: \_\_\_\_\_  
Samples Collected By: AL  
Email Address: ASosa@originslab.com

Fax: 303.265.9645

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative	Matrix	Analysis	Sample Instructions
Pit - 8085'	2-15-22	1515	2	Unpreserved	Soil	DR/Geo	1
Pit - 8085'		1517	1	HNO <sub>3</sub>	As Summa	DR/Geo	2
Pit - 8075'		1519	1	HCl	Other	DR/Geo	3
Pit - 8085'		1521	1	Unpreserved	Soil	DR/Geo	4
Pit - 8085'		1523	1	HNO <sub>3</sub>	As Summa	DR/Geo	5
Pit - 8085'		1525	1	HCl	Other	DR/Geo	6
Pit - 8085'		1544	1	Unpreserved	Soil	DR/Geo	7
Pit - 8085'		1546	1	HNO <sub>3</sub>	As Summa	DR/Geo	8
Pit - 8085'		1548	1	HCl	Other	DR/Geo	9
Pit - 8085'		1550	1	Unpreserved	Soil	DR/Geo	10
Relinquished By: _____	Date: _____	Time: _____	Time: _____	Received By: _____	Date: _____	Time: _____	Turnaround Time: _____
Relinquished By: _____	Date: _____	Time: _____	Time: _____	Received By: _____	Date: _____	Time: _____	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: 13.7 Date Results Needed

Origins Laboratory, Inc.

*Jen Pellegrini*

Jen Pellegrini, Project Manager

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Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

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4202337

page 2 of 2

225 Elk Place  
Denver, CO 80211  
Phone: 303.433.1322  
Fax: 303.265.9645

Client: Oxy Techn  
Address: \_\_\_\_\_  
Telephone Number: \_\_\_\_\_  
Email Address: oxygen@oxytechn.com

Project Manager: Avery Segon  
Project Name: WDS Form 2.14.14  
Project Number: \_\_\_\_\_  
Samples Collected By: PL

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	GC/MS	Proxas		TMBS
Pit-Edg 4'	2-15-22	1552	2	X				X		X	X	X	X	X	1
Pit-Edg 4'		1554													2
Pit-Edg 4'		1556													3
Pit-WDS 7' 4'		1559													4
Pit-WDS 8.4'	✓	1600	✓	✓				✓		✓	✓	✓	✓	✓	5
															6
															7
															8
															9
															10
Relinquished By: <u>PL</u>	Date: <u>2-15-22</u>	Time: <u>1630</u>	Received By: <u>William Dwyer</u>	Date: <u>2-15-22</u>	Time: <u>1735</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: <u>WST</u>	Date: <u>2/15/22</u>	Time: <u>1730</u>										

Origins Laboratory, Inc.

Jeff Pelligrini

Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
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: 4202339

Client: Tasman

Client Project ID: West farms 2-14A

Checklist Completed by: AKH

Shipped Via: TD

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

Date/time completed: 2/15/22

Airbill #: NA

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

(Describe)

Cooler Number/Temperature: 1/15/22 °C / \_\_\_\_\_ °C / \_\_\_\_\_ °C / \_\_\_\_\_ °C

Thermometer ID: T003

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"/>		<u>same day</u>
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Were all samples received intact <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? <b>If yes, contact client and note in narrative.</b>			<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)

Date/Time Reviewed

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

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-B05@5'

2/15/2022 3:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y202339-01 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2B1522	02/15/2022	02/15/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 78.5 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	0.0369	0.00200	mg/kg	1	B2B1520	02/15/2022	02/15/2022	
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	7.56	0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4 98.4 % 70-130 " " "  
Surrogate: Toluene-d8 94.9 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 219 % 70-130 " " " S-07

**PAH by 8270D SIM**

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-B05@5'

2/15/2022 3:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y202339-01 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	0.0759	0.00182	0.00335	mg/Kg	5	L600895	02/22/2022	02/22/2022	
2-Methylnaphthalene	0.12	0.00323	0.00335	"	"	"	"	"	
Acenaphthene	0.00526	0.00152	0.00335	"	"	"	"	"	
Anthracene	ND	0.00167	0.00335	"	"	"	"	"	
Benzo(a)anthracene	ND	0.00247	0.00335	"	"	"	"	"	
Benzo(a)pyrene	0.00316	0.00234	0.00335	"	"	"	"	"	J
Benzo(b)fluoranthene	ND	0.00293	0.00335	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.00219	0.00335	"	"	"	"	"	
Chrysene	ND	0.00312	0.00335	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.00307	0.00335	"	"	"	"	"	
Fluoranthene	0.00439	0.00197	0.00335	"	"	"	"	"	
Fluorene	0.00857	0.00143	0.00335	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00314	0.00335	"	"	"	"	"	
Naphthalene	ND	0.00242	0.00335	"	"	"	"	"	
Pyrene	0.00528	0.00322	0.00335	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	59.6 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	76.5 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	52.4 %	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

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-B05@5'

2/15/2022 3:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y202339-01 (Soil)

## Total Metals by 6020B

Selenium	0.363	0.103	0.25	mg/Kg	5	L600754	02/18/2022	02/22/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-B06@5'

2/15/2022 3:17:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y202339-02 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2B1522	02/15/2022	02/15/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 88.3 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	0.0570	0.00200	mg/kg	1	B2B1520	02/15/2022	02/15/2022	
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	0.00278	0.00200	"	"	"	"	"	
Gasoline Range Hydrocarbons	14.1	0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4 95.4 % 70-130 " " "

Surrogate: Toluene-d8 95.3 % 70-130 " " "

Surrogate: 4-Bromofluorobenzene 360 % 70-130 " " " S-GC

**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

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-B06@5'

2/15/2022 3:17:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y202339-02 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	0.00319	0.000364	0.00067	mg/Kg	1	L600895	02/22/2022	02/22/2022	
2-Methylnaphthalene	0.00323	0.000645	0.00067	"	"	"	"	"	
Acenaphthene	0.000398	0.000304	0.00067	"	"	"	"	"	J
Anthracene	0.00148	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	0.00888	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	0.00974	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	0.0104	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	0.00394	0.000437	0.00067	"	"	"	"	"	
Chrysene	0.00916	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	0.0016	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	0.00638	0.000394	0.00067	"	"	"	"	"	
Fluorene	0.000611	0.000286	0.00067	"	"	"	"	"	J
Indeno(1,2,3-cd)pyrene	0.00427	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"	
Pyrene	0.00678	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	55.3 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	60.5 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	51.1 %	29-110	"	"	"

**Total Metals by 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

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-B06@5'

2/15/2022 3:17:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y202339-02 (Soil)

## Total Metals by 6020B

Selenium	0.303	0.103	0.25	mg/Kg	5	L600754	02/18/2022	02/22/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-B07@5'

2/15/2022 3:19:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y202339-03 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2B1522	02/15/2022	02/15/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 89.0 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	0.00216	0.00200	mg/kg	1	B2B1520	02/15/2022	02/15/2022	
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	5.66	0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4 98.5 % 70-130 " " "  
Surrogate: Toluene-d8 93.0 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 177 % 70-130 " " " S-07

**PAH by 8270D SIM**

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-B07@5'

2/15/2022 3:19:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y202339-03 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	0.0727	0.000364	0.00067	mg/Kg	1	L600895	02/22/2022	02/22/2022
2-Methylnaphthalene	0.0876	0.000645	0.00067	"	"	"	"	"
Acenaphthene	0.00544	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	0.00295	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	0.00535	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	0.00468	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	0.00188	0.000437	0.00067	"	"	"	"	"
Chrysene	0.00303	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	0.00086	0.000614	0.00067	"	"	"	"	"
Fluoranthene	0.000744	0.000394	0.00067	"	"	"	"	"
Fluorene	0.00901	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	0.00271	0.000627	0.00067	"	"	"	"	"
Naphthalene	0.00252	0.000484	0.00067	"	"	"	"	"
Pyrene	0.00353	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	58.1 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	61.7 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	52.9 %	29-110	"	"	"

**Total Metals by 6020B**

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-B07@5'

2/15/2022 3:19:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y202339-03 (Soil)

## Total Metals by 6020B

Selenium	ND	0.103	0.25	mg/Kg	5	L600754	02/18/2022	02/22/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-B08@5'

2/15/2022 3:21:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y202339-04 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	30.5		25.0	mg/kg	1	B2B1522	02/15/2022	02/15/2022	
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl 94.3 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	0.0126		0.00200	mg/kg	1	B2B1520	02/15/2022	02/16/2022	
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	2.93		0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4 97.2 % 70-130 " " "  
Surrogate: Toluene-d8 99.4 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 149 % 70-130 " " " S-07

**PAH by 8270D SIM**

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-B08@5'

2/15/2022 3:21:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y202339-04 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	0.0306	0.00182	0.00335	mg/Kg	5	L600895	02/22/2022	02/22/2022
2-Methylnaphthalene	ND	0.00323	0.00335	"	"	"	"	"
Acenaphthene	ND	0.00152	0.00335	"	"	"	"	"
Anthracene	ND	0.00167	0.00335	"	"	"	"	"
Benzo(a)anthracene	ND	0.00247	0.00335	"	"	"	"	"
Benzo(a)pyrene	ND	0.00234	0.00335	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.00293	0.00335	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.00219	0.00335	"	"	"	"	"
Chrysene	ND	0.00312	0.00335	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.00307	0.00335	"	"	"	"	"
Fluoranthene	ND	0.00197	0.00335	"	"	"	"	"
Fluorene	0.00501	0.00143	0.00335	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.00314	0.00335	"	"	"	"	"
Naphthalene	ND	0.00242	0.00335	"	"	"	"	"
Pyrene	ND	0.00322	0.00335	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	53 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	77.6 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	53 %	29-110	"	"	"

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-B08@5'

2/15/2022 3:21:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y202339-04 (Soil)

## Total Metals by 6020B

Selenium	0.326	0.103	0.25	mg/Kg	5	L600754	02/18/2022	02/22/2022	
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-B09@5'

2/15/2022 3:23:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y202339-05 (Soil)

## DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2B1522	02/15/2022	02/15/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 106 % 50-150 " " "

## GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2B1520	02/15/2022	02/15/2022	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 104 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 98.6 % 70-130 " " "

## PAH by 8270D SIM

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager



Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-B09@5'

2/15/2022 3:23:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y202339-05 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L600895	02/22/2022	02/22/2022
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	58 %	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.

Jen Pellegrini, Project Manager

Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-B09@5'

2/15/2022 3:23:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y202339-05 (Soil)

## Total Metals by 6020B

Selenium	ND	0.103	0.25	mg/Kg	5	L600754	02/18/2022	02/22/2022
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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

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-B10@5'

2/15/2022 3:25:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y202339-06 (Soil)

## DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B2B1522	02/15/2022	02/15/2022	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl 91.0 % 50-150 " " "

## GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2B1520	02/15/2022	02/15/2022	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 96.4 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 104 % 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

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-B10@5'

2/15/2022 3:25:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y202339-06 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	0.00194	0.000364	0.00067	mg/Kg	1	L600895	02/22/2022	02/22/2022
2-Methylnaphthalene	0.00181	0.000645	0.00067	"	"	"	"	"
Acenaphthene	0.00527	0.000304	0.00067	"	"	"	"	"
Anthracene	0.0137	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	0.049	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	0.0535	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	0.0576	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	0.0244	0.000437	0.00067	"	"	"	"	"
Chrysene	0.0671	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	0.0092	0.000614	0.00067	"	"	"	"	"
Fluoranthene	0.0766	0.000394	0.00067	"	"	"	"	"
Fluorene	0.00595	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	0.0283	0.000627	0.00067	"	"	"	"	"
Naphthalene	0.00101	0.000484	0.00067	"	"	"	"	"
Pyrene	0.0923	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	52.6 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	59 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	49.8 %	29-110	"	"	"

**Total Metals by 6020B**

Selenium	0.261	0.103	0.25	mg/Kg	5	L600754	02/18/2022	02/22/2022
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Origins Laboratory, Inc.



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

Jen Pellegrini, Project Manager

Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-N04@4'

2/15/2022 3:44:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y202339-07 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND		25.0	mg/kg	1	B2B1522	02/15/2022	02/15/2022	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl 90.4 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2B1520	02/15/2022	02/15/2022	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 96.2 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 97.6 % 70-130 " " "

**PAH by 8270D SIM**

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-N04@4'

2/15/2022 3:44:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y202339-07 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	0.00121	0.000364	0.00067	mg/Kg	1	L600895	02/22/2022	02/22/2022	
2-Methylnaphthalene	0.000908	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	0.000585	0.000468	0.00067	"	"	"	"	"	J
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	0.00119	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"	
Pyrene	0.00103	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	47.4 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	56.5 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	46.2 %	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.

Jen Pellegrini, Project Manager

Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-N04@4'

2/15/2022 3:44:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y202339-07 (Soil)

## Total Metals by 6020B

Selenium	0.357	0.103	0.25	mg/Kg	5	L600754	02/18/2022	02/22/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-S04@4'

2/15/2022 3:46:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y202339-08 (Soil)

## DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B2B1522	02/15/2022	02/15/2022	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

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

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2B1520	02/15/2022	02/16/2022	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	96.4 %	70-130	"	"	"
Surrogate: Toluene-d8	104 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	97.7 %	70-130	"	"	"

## PAH by 8270D SIM

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-S04@4'

2/15/2022 3:46:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y202339-08 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.00182	0.00335	mg/Kg	5	L600895	02/22/2022	02/22/2022	
2-Methylnaphthalene	ND	0.00323	0.00335	"	"	"	"	"	
Acenaphthene	0.00497	0.00152	0.00335	"	"	"	"	"	
Anthracene	0.0127	0.00167	0.00335	"	"	"	"	"	
Benzo(a)anthracene	0.0495	0.00247	0.00335	"	"	"	"	"	
Benzo(a)pyrene	0.058	0.00234	0.00335	"	"	"	"	"	
Benzo(b)fluoranthene	0.0415	0.00293	0.00335	"	"	"	"	"	
Benzo(k)fluoranthene	0.0213	0.00219	0.00335	"	"	"	"	"	
Chrysene	0.0533	0.00312	0.00335	"	"	"	"	"	
Dibenz(a,h)anthracene	0.00408	0.00307	0.00335	"	"	"	"	"	
Fluoranthene	0.0635	0.00197	0.00335	"	"	"	"	"	
Fluorene	0.00189	0.00143	0.00335	"	"	"	"	"	J
Indeno(1,2,3-cd)pyrene	0.0139	0.00314	0.00335	"	"	"	"	"	
Naphthalene	ND	0.00242	0.00335	"	"	"	"	"	
Pyrene	0.0985	0.00322	0.00335	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	55.2 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	68.7 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	50 %	29-110	"	"	"

**Total Metals by 6020B**

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-S04@4'

2/15/2022 3:46:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y202339-08 (Soil)

## Total Metals by 6020B

Selenium	0.363	0.103	0.25	mg/Kg	5	L600754	02/18/2022	02/22/2022
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Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-S05@4'

2/15/2022 3:48:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y202339-09 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND		25.0	mg/kg	1	B2B1522	02/15/2022	02/15/2022	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

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

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2B1520	02/15/2022	02/16/2022	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 100 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 97.7 % 70-130 " " "

**PAH by 8270D SIM**

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-S05@4'

2/15/2022 3:48:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y202339-09 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L600895	02/22/2022	02/22/2022
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	0.00116	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	0.0126	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	0.0177	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	0.0118	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	0.00548	0.000437	0.00067	"	"	"	"	"
Chrysene	0.0126	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	0.00112	0.000614	0.00067	"	"	"	"	"
Fluoranthene	0.0119	0.000394	0.00067	"	"	"	"	"
Fluorene	ND	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	0.00633	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"
Pyrene	0.0204	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	53 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	54.8 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	48.2 %	29-110	"	"	"

**Total Metals by 6020B**

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-S05@4'

2/15/2022 3:48:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y202339-09 (Soil)

## Total Metals by 6020B

Selenium	ND	0.103	0.25	mg/Kg	5	L600754	02/18/2022	02/22/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-S06@4'

2/15/2022 3:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y202339-10 (Soil)

## DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B2B1522	02/15/2022	02/16/2022	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	74.0 %		50-150			"	"	"	
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## GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2B1520	02/15/2022	02/16/2022	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	98.3 %		70-130			"	"	"	
Surrogate: Toluene-d8	101 %		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

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-S06@4'

2/15/2022 3:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y202339-10 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.00182	0.00335	mg/Kg	5	L600895	02/22/2022	02/22/2022	
2-Methylnaphthalene	ND	0.00323	0.00335	"	"	"	"	"	
Acenaphthene	ND	0.00152	0.00335	"	"	"	"	"	
Anthracene	0.0239	0.00167	0.00335	"	"	"	"	"	
Benzo(a)anthracene	0.16	0.00247	0.00335	"	"	"	"	"	
Benzo(a)pyrene	0.232	0.00234	0.00335	"	"	"	"	"	
Benzo(b)fluoranthene	0.171	0.00293	0.00335	"	"	"	"	"	
Benzo(k)fluoranthene	0.0621	0.00219	0.00335	"	"	"	"	"	
Chrysene	0.177	0.00312	0.00335	"	"	"	"	"	
Dibenz(a,h)anthracene	0.0199	0.00307	0.00335	"	"	"	"	"	
Fluoranthene	0.13	0.00197	0.00335	"	"	"	"	"	
Fluorene	0.00393	0.00143	0.00335	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	0.0646	0.00314	0.00335	"	"	"	"	"	
Naphthalene	0.00253	0.00242	0.00335	"	"	"	"	"	J
Pyrene	0.205	0.00322	0.00335	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	59.9 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	70.5 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	52.7 %	29-110	"	"	"

**Total Metals by 6020B**

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-S06@4'

2/15/2022 3:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y202339-10 (Soil)

## Total Metals by 6020B

Selenium	ND	0.103	0.25	mg/Kg	5	L600754	02/18/2022	02/22/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-E02@4'

2/15/2022 3:52:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y202339-11 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND		25.0	mg/kg	1	B2B1522	02/15/2022	02/16/2022	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	76.3 %	50-150	"	"	"
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2B1520	02/15/2022	02/16/2022	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	97.8 %	70-130	"	"	"
Surrogate: Toluene-d8	108 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	98.4 %	70-130	"	"	"

**PAH by 8270D SIM**

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-E02@4'

2/15/2022 3:52:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y202339-11 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L600895	02/22/2022	02/22/2022
2-Methylnaphthalene	0.000893	0.000645	0.00067	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	0.00386	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	0.00717	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	0.00492	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	0.00227	0.000437	0.00067	"	"	"	"	"
Chrysene	0.00403	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	0.00367	0.000394	0.00067	"	"	"	"	"
Fluorene	ND	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	0.00263	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"
Pyrene	0.00693	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	46.8 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	50.5 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	43.1 %	29-110	"	"	"

**Total Metals by 6020B**

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-E02@4'

2/15/2022 3:52:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y202339-11 (Soil)

### Total Metals by 6020B

Selenium	0.516	0.103	0.25	mg/Kg	5	L600471	02/18/2022	02/22/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-E03@4'

2/15/2022 3:54:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y202339-12 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	140	25.0	mg/kg	1	B2B1522	02/15/2022	02/16/2022	
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 77.4 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2B1520	02/15/2022	02/16/2022	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 99.3 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 98.7 % 70-130 " " "

**PAH by 8270D-SIM**

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-E03@4'

2/15/2022 3:54:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y202339-12 (Soil)**

**PAH by 8270D-SIM**

1-Methylnaphthalene	0.000726	0.000364	0.00067	mg/Kg	1	L600949	02/22/2022	02/23/2022	
2-Methylnaphthalene	0.00185	0.000645	0.00067	"	"	"	"	"	
Acenaphthene	0.000542	0.000304	0.00067	"	"	"	"	"	J
Anthracene	0.00397	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	0.0289	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	0.0401	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	0.0337	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	0.0153	0.000437	0.00067	"	"	"	"	"	
Chrysene	0.0373	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	0.00547	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	0.0376	0.000394	0.00067	"	"	"	"	"	
Fluorene	0.00119	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	0.0163	0.000627	0.00067	"	"	"	"	"	
Naphthalene	0.00102	0.000484	0.00067	"	"	"	"	"	
Pyrene	0.0488	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	49.5 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	61.6 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	47.7 %	29-110	"	"	"

**Total Metals by 6020B**

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager



Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-E03@4'

2/15/2022 3:54:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y202339-12 (Soil)

## Total Metals by 6020B

Selenium	ND	0.103	0.25	mg/Kg	5	L600471	02/18/2022	02/22/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-E04@4'

2/15/2022 3:56:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y202339-13 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2B1522	02/15/2022	02/16/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 79.3 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2B1520	02/15/2022	02/16/2022	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 100 % 70-130 " " "  
Surrogate: Toluene-d8 102 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 98.1 % 70-130 " " "

**PAH by 8270D-SIM**

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-E04@4'

2/15/2022 3:56:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y202339-13 (Soil)**

**PAH by 8270D-SIM**

1-Methylnaphthalene	ND	0.00182	0.00335	mg/Kg	5	L600949	02/22/2022	02/23/2022	
2-Methylnaphthalene	ND	0.00323	0.00335	"	"	"	"	"	
Acenaphthene	ND	0.00152	0.00335	"	"	"	"	"	
Anthracene	0.00523	0.00167	0.00335	"	"	"	"	"	
Benzo(a)anthracene	0.0188	0.00247	0.00335	"	"	"	"	"	
Benzo(a)pyrene	0.0309	0.00234	0.00335	"	"	"	"	"	
Benzo(b)fluoranthene	0.0248	0.00293	0.00335	"	"	"	"	"	
Benzo(k)fluoranthene	0.00919	0.00219	0.00335	"	"	"	"	"	
Chrysene	0.0267	0.00312	0.00335	"	"	"	"	"	
Dibenz(a,h)anthracene	0.00469	0.00307	0.00335	"	"	"	"	"	
Fluoranthene	0.0319	0.00197	0.00335	"	"	"	"	"	
Fluorene	0.00188	0.00143	0.00335	"	"	"	"	"	J
Indeno(1,2,3-cd)pyrene	0.0102	0.00314	0.00335	"	"	"	"	"	
Naphthalene	ND	0.00242	0.00335	"	"	"	"	"	
Pyrene	0.0415	0.00322	0.00335	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	53.8 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	70.9 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	52 %	29-110	"	"	"

**Total Metals by 6020B**

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-E04@4'

2/15/2022 3:56:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y202339-13 (Soil)

## Total Metals by 6020B

Selenium	0.671	0.103	0.25	mg/Kg	5	L600471	02/18/2022	02/22/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-W05@4'  
2/15/2022 3:58:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y202339-14 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2B1522	02/15/2022	02/16/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 74.7 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	0.0141	0.00200	mg/kg	1	B2B1520	02/15/2022	02/16/2022	
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	0.808	0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4 100 % 70-130 " " "  
Surrogate: Toluene-d8 99.7 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 102 % 70-130 " " "

**PAH by 8270D-SIM**

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-W05@4'  
2/15/2022 3:58:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y202339-14 (Soil)**

**PAH by 8270D-SIM**

1-Methylnaphthalene	0.0547	0.000364	0.00067	mg/Kg	1	L600949	02/22/2022	02/23/2022	
2-Methylnaphthalene	0.0975	0.000645	0.00067	"	"	"	"	"	
Acenaphthene	0.00154	0.000304	0.00067	"	"	"	"	"	
Anthracene	0.000341	0.000334	0.00067	"	"	"	"	"	J
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	0.000532	0.000468	0.00067	"	"	"	"	"	J
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	0.000647	0.000624	0.00067	"	"	"	"	"	J
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	0.000542	0.000394	0.00067	"	"	"	"	"	J
Fluorene	0.00299	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Naphthalene	0.00199	0.000484	0.00067	"	"	"	"	"	
Pyrene	0.00107	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	52.8 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	66 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	55.5 %	29-110	"	"	"

**Total Metals by 6020B**

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-W05@4'

2/15/2022 3:58:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y202339-14 (Soil)

## Total Metals by 6020B

Selenium	ND	0.103	0.25	mg/Kg	5	L600471	02/18/2022	02/22/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-W06@4'  
2/15/2022 4:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y202339-15 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	320		25.0	mg/kg	1	B2B1522	02/15/2022	02/16/2022	
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl 81.8 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	0.0790		0.00200	mg/kg	1	B2B1520	02/15/2022	02/16/2022	
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	0.00320		0.00200	"	"	"	"	"	
Gasoline Range Hydrocarbons	100		5.00	"	25	"	"	02/16/2022	

Surrogate: 1,2-Dichloroethane-d4 104 % 70-130 " " 02/16/2022  
Surrogate: Toluene-d8 100 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 444 % 70-130 " " " S-GC

**PAH by 8270D-SIM**

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-W06@4'  
2/15/2022 4:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y202339-15 (Soil)**

**PAH by 8270D-SIM**

1-Methylnaphthalene	0.425	0.00182	0.00335	mg/Kg	5	L600949	02/22/2022	02/23/2022	
2-Methylnaphthalene	0.891	0.00323	0.00335	"	"	"	"	"	
Acenaphthene	0.0415	0.00152	0.00335	"	"	"	"	"	
Anthracene	0.0113	0.00167	0.00335	"	"	"	"	"	
Benzo(a)anthracene	ND	0.00247	0.00335	"	"	"	"	"	
Benzo(a)pyrene	0.00259	0.00234	0.00335	"	"	"	"	"	J
Benzo(b)fluoranthene	ND	0.00293	0.00335	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.00219	0.00335	"	"	"	"	"	
Chrysene	0.0045	0.00312	0.00335	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.00307	0.00335	"	"	"	"	"	
Fluoranthene	0.0232	0.00197	0.00335	"	"	"	"	"	
Fluorene	0.059	0.00143	0.00335	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00314	0.00335	"	"	"	"	"	
Naphthalene	0.0196	0.00242	0.00335	"	"	"	"	"	
Pyrene	0.024	0.00322	0.00335	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	59.9 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	73.1 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	65.4 %	29-110	"	"	"

**Total Metals by 6020B**

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-W06@4'

2/15/2022 4:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y202339-15 (Soil)

## Total Metals by 6020B

Selenium	ND	0.103	0.25	mg/Kg	5	L600471	02/18/2022	02/22/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
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 B2B1520 - EPA 5030 (soil)</b>										
<b>Blank (B2B1520-BLK1)</b>					Prepared: 02/15/2022 Analyzed: 02/15/2022					
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	0.11		"	0.125		88.5	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.2	70-130			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
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 B2B1520 - EPA 5030 (soil)</b>										
<b>LCS (B2B1520-BS1)</b>					Prepared: 02/15/2022 Analyzed: 02/15/2022					
1,2,4-Trimethylbenzene	0.105	0.00200	mg/kg	0.100		105	70-130			
1,3,5-Trimethylbenzene	0.106	0.00200	"	0.100		106	70-130			
Benzene	0.0972	0.00200	"	0.100		97.2	70-130			
Ethylbenzene	0.111	0.00200	"	0.100		111	70-130			
Naphthalene	0.0919	0.0100	"	0.100		91.9	70-130			
Toluene	0.0971	0.00200	"	0.100		97.1	70-130			
o-Xylene	0.108	0.00200	"	0.100		108	70-130			
m,p-Xylene	0.220	0.00400	"	0.200		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		86.5	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		105	70-130			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
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 B2B1520 - EPA 5030 (soil)</b>										
<b>Matrix Spike (B2B1520-MS1)</b>		<b>Source: Y202339-01</b>			Prepared: 02/15/2022 Analyzed: 02/15/2022					
1,2,4-Trimethylbenzene	0.0616	0.00200	mg/kg	0.100	0.0369	24.7	70-130			QM-07
1,3,5-Trimethylbenzene	0.0574	0.00200	"	0.100	0.000700	56.7	70-130			QM-07
Benzene	0.0732	0.00200	"	0.100	ND	73.2	70-130			
Ethylbenzene	0.0806	0.00200	"	0.100	0.000420	80.2	70-130			
Naphthalene	0.0490	0.0100	"	0.100	0.00208	46.9	70-130			QM-07
Toluene	0.0650	0.00200	"	0.100	ND	65.0	70-130			QM-07
o-Xylene	0.0778	0.00200	"	0.100	0.00126	76.6	70-130			
m,p-Xylene	0.141	0.00400	"	0.200	ND	70.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		106	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.78		"	0.125		623	70-130			S-04

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
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 B2B1520 - EPA 5030 (soil)</b>										
<b>Matrix Spike Dup (B2B1520-MSD1)</b>		<b>Source: Y202339-01</b>			Prepared: 02/15/2022 Analyzed: 02/15/2022					
1,2,4-Trimethylbenzene	0.101	0.00200	mg/kg	0.100	0.0369	64.6	70-130	48.9	20	QR-03
1,3,5-Trimethylbenzene	0.0967	0.00200	"	0.100	0.000700	96.0	70-130	51.1	20	QR-03
Benzene	0.116	0.00200	"	0.100	ND	116	70-130	45.0	20	QR-03
Ethylbenzene	0.118	0.00200	"	0.100	0.000420	118	70-130	37.8	20	QR-03
Naphthalene	0.0935	0.0100	"	0.100	0.00208	91.4	70-130	62.4	20	QR-03
Toluene	0.103	0.00200	"	0.100	ND	103	70-130	45.6	20	QR-03
o-Xylene	0.115	0.00200	"	0.100	0.00126	114	70-130	38.6	20	QR-03
m,p-Xylene	0.225	0.00400	"	0.200	ND	113	70-130	46.2	20	QR-03
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		94.4	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		92.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.29		"	0.125		231	70-130			S-04

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
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 B2B1522 - EPA 3550B										
Blank (B2B1522-BLK1)					Prepared: 02/15/2022 Analyzed: 02/15/2022					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	24		"	24.9		94.9	50-150			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
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
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**Batch B2B1522 - EPA 3550B**

**LCS (B2B1522-BS1)**

Prepared: 02/15/2022 Analyzed: 02/15/2022

Diesel (C10-C28)	927	50.0	mg/kg	1000		92.7	70-130			
Residual Range Organics (C28-C40)	717	200	"	1000		71.7	70-130			
Surrogate: o-Terphenyl	39		"	49.8		78.7	50-150			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
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
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**Batch B2B1522 - EPA 3550B**

Matrix Spike (B2B1522-MS1)		Source: Y202339-01			Prepared: 02/15/2022 Analyzed: 02/15/2022					
Diesel (C10-C28)	1090	50.0	mg/kg	1000	ND	109	70-130			
Residual Range Organics (C28-C40)	856	200	"	1000	ND	85.6	70-130			
Surrogate: o-Terphenyl	45		"	49.8		89.6	50-150			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
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
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Batch B2B1522 - EPA 3550B

Matrix Spike Dup (B2B1522-MSD1)		Source: Y202339-01			Prepared: 02/15/2022 Analyzed: 02/15/2022					
Diesel (C10-C28)	1160	50.0	mg/kg	1000	ND	116	70-130	5.58	35	
Residual Range Organics (C28-C40)	901	200	"	1000	ND	90.1	70-130	5.11	35	
Surrogate: o-Terphenyl	47		"	49.8		94.8	50-150			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L600895 - 3550B**

<b>MSD (L 96851-MSD-L600895)</b>		<b>Source: 96851</b>			<b>Prepared: 02/22/2022 Analyzed: 02/22/2022</b>					
Benzo(k)fluoranthene	0.0888	0.000437	mg/Kg	0.164	<0.000437	54.1	30-130	2	30	
Indeno(1,2,3-cd)pyrene	0.0698	0.000627	"	0.164	<0.000627	42.5	30-130	16.1	30	
Naphthalene	0.0834	0.000484	"	0.164	<0.000484	50.8	30-130	2.6	30	
Fluorene	0.0925	0.000286	"	0.164	<0.000286	56.4	30-130	4.3	30	
Fluoranthene	0.102	0.000394	"	0.164	<0.000394	62.1	30-130	0	30	
Dibenz(a,h)anthracene	0.0769	0.000614	"	0.164	<0.000614	46.8	30-130	20.2	30	
Chrysene	0.0951	0.000624	"	0.164	<0.000624	57.9	30-130	1.1	30	
Benzo(a)pyrene	0.106	0.000468	"	0.164	<0.000468	64.6	30-130	1.8	30	
Anthracene	0.0943	0.000334	"	0.164	<0.000334	57.5	30-130	0.4	30	
Acenaphthene	0.0891	0.000304	"	0.164	<0.000304	54.3	30-130	1.3	30	
2-Methylnaphthalene	0.0852	0.000645	"	0.164	<0.000645	51.9	30-130	0.7	30	
1-Methylnaphthalene	0.085	0.000364	"	0.164	<0.000364	51.8	30-130	0.8	30	
Benzo(b)fluoranthene	0.0842	0.000585	"	0.164	<0.000585	51.3	30-130	4.1	30	
Pyrene	0.0992	0.000643	"	0.164	<0.000643	60.4	30-130	0.5	30	
Benzo(a)anthracene	0.0982	0.000493	"	0.164	<0.000493	59.8	30-130	1	30	
Surrogate: Nitrobenzene-d5	45.5		"	0.329	182	45.5	29-110			
Surrogate: 4-Terphenyl-d14	55.6		"	0.329	196	55.6	33-122			
Surrogate: 2-Fluorobiphenyl	50.1		"	0.329	183	50.1	33-115			

<b>MS (L 96851-MS-L600895)</b>		<b>Source: 96851</b>			<b>Prepared: 02/22/2022 Analyzed: 02/22/2022</b>					
Benzo(a)pyrene	0.108	0.000468	mg/Kg	0.166	<0.000468	65	30-130			
1-Methylnaphthalene	0.0857	0.000364	"	0.166	<0.000364	51.6	30-130			

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
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
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**Batch L600895 - 3550B**

MS (L 96851-MS-L600895)		Source: 96851			Prepared: 02/22/2022 Analyzed: 02/22/2022					
2-Methylnaphthalene	0.0858	0.000645	mg/Kg	0.166	<0.000645	51.6	30-130			
Acenaphthene	0.0903	0.000304	"	0.166	<0.000304	54.3	30-130			
Benzo(a)anthracene	0.0992	0.000493	"	0.166	<0.000493	59.7	30-130			
Benzo(b)fluoranthene	0.0878	0.000585	"	0.166	<0.000585	52.8	30-130			
Benzo(k)fluoranthene	0.0906	0.000437	"	0.166	<0.000437	54.5	30-130			
Anthracene	0.0947	0.000334	"	0.166	<0.000334	57	30-130			
Pyrene	0.0997	0.000643	"	0.166	<0.000643	60	30-130			
Chrysene	0.0962	0.000624	"	0.166	<0.000624	57.9	30-130			
Naphthalene	0.0856	0.000484	"	0.166	<0.000484	51.5	30-130			
Indeno(1,2,3-cd)pyrene	0.0821	0.000627	"	0.166	<0.000627	49.4	30-130			
Fluorene	0.0966	0.000286	"	0.166	<0.000286	58.1	30-130			
Fluoranthene	0.102	0.000394	"	0.166	<0.000394	61.4	30-130			
Dibenz(a,h)anthracene	0.0942	0.000614	"	0.166	<0.000614	56.7	30-130			
Surrogate: 2-Fluorobiphenyl	54.8		"	0.332	183	54.8	33-115			
Surrogate: 4-Terphenyl-d14	61.4		"	0.332	196	61.4	33-122			
Surrogate: Nitrobenzene-d5	50.3		"	0.332	182	50.3	29-110			

**LCS (LCS-L600895)**

Prepared: 02/22/2022 Analyzed: 02/22/2022

Benzo(k)fluoranthene	0.0877	0.000437	mg/Kg	0.167		52.5	30-130
Chrysene	0.0948	0.000624	"	0.167		56.7	30-130
Naphthalene	0.0825	0.000484	"	0.167		49.4	30-130
Indeno(1,2,3-cd)pyrene	0.0796	0.000627	"	0.167		47.6	30-130
Fluorene	0.0923	0.000286	"	0.167		55.2	30-130
1-Methylnaphthalene	0.0831	0.000364	"	0.167		49.7	30-130
Dibenz(a,h)anthracene	0.0906	0.000614	"	0.167		54.2	30-130
Pyrene	0.0997	0.000643	"	0.167		59.7	30-130
2-Methylnaphthalene	0.0833	0.000645	"	0.167		49.8	30-130

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
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
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**Batch L600895 - 3550B**

**LCS (LCS-L600895)**

Prepared: 02/22/2022 Analyzed: 02/22/2022

Fluoranthene	0.101	0.000394	mg/Kg	0.167		60.4	30-130			
Benzo(b)fluoranthene	0.0898	0.000585	"	0.167		53.7	30-130			
Acenaphthene	0.089	0.000304	"	0.167		53.2	30-130			
Anthracene	0.0917	0.000334	"	0.167		54.9	30-130			
Benzo(a)anthracene	0.0978	0.000493	"	0.167		58.5	30-130			
Benzo(a)pyrene	0.105	0.000468	"	0.167		62.8	30-130			
Surrogate: Nitrobenzene-d5	53.4		"	0.333		53.4	29-110			
Surrogate: 2-Fluorobiphenyl	59.7		"	0.333		59.7	33-115			
Surrogate: 4-Terphenyl-d14	64.5		"	0.333		64.5	33-122			

**LRB (LRB-L600895)**

Prepared: 02/22/2022 Analyzed: 02/22/2022

Benzo(b)fluoranthene	ND	0.00067	mg/Kg				-			
1-Methylnaphthalene	ND	0.00067	"				-			
Pyrene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Naphthalene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Surrogate: 4-Terphenyl-d14	58.5		"	0.333		58.5	33-122			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
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
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**Batch L600895 - 3550B**

**LRB (LRB-L600895)**

Prepared: 02/22/2022 Analyzed: 02/22/2022

Surrogate: 2-Fluorobiphenyl	57.6		mg/Kg	0.333	57.6		33-115			
Surrogate: Nitrobenzene-d5	51.9		"	0.333	51.9		29-110			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
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
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**Batch L600949 - 3550B**

MSD (L 96070-MSD-L600949)		Source: Y202339-12			Prepared: 02/22/2022 Analyzed: 02/23/2022					
1-Methylnaphthalene	0.0867	0.000364	mg/Kg	0.166	0.000726	51.7	30-130	8	30	
Benzo(k)fluoranthene	0.0991	0.000437	"	0.166	0.0153	50.4	30-130	4.6	30	
Benzo(a)pyrene	0.16	0.000468	"	0.166	0.0401	72.2	30-130	14	30	
Benzo(a)anthracene	0.138	0.000493	"	0.166	0.0289	65.7	30-130	12.3	30	
Anthracene	0.0981	0.000334	"	0.166	0.00397	56.7	30-130	9.8	30	
Acenaphthene	0.081	0.000304	"	0.166	0.000542	48.7	30-130	7.4	30	
Chrysene	0.143	0.000624	"	0.166	0.0373	63.6	30-130	10.2	30	
2-Methylnaphthalene	0.0851	0.000645	"	0.166	0.00185	50.1	30-130	9.4	30	
Fluoranthene	0.138	0.000394	"	0.166	0.0376	60.4	30-130	11.4	30	
Fluorene	0.0933	0.000286	"	0.166	0.00119	55.4	30-130	8.6	30	
Indeno(1,2,3-cd)pyrene	0.0818	0.000627	"	0.166	0.0163	39.4	30-130	0.6	30	
Naphthalene	0.0889	0.000484	"	0.166	0.00102	52.9	30-130	8.6	30	
Pyrene	0.142	0.000643	"	0.166	0.0488	56.1	30-130	13.5	30	
Benzo(b)fluoranthene	0.103	0.000585	"	0.166	0.0337	41.7	30-130	6.6	30	
Dibenz(a,h)anthracene	0.0886	0.000614	"	0.166	0.00547	50	30-130	2.7	30	
Surrogate: 4-Terphenyl-d14	69.2		"	0.332	204	69.2	33-122			
Surrogate: 2-Fluorobiphenyl	59.9		"	0.332	164	59.9	33-115			
Surrogate: Nitrobenzene-d5	56		"	0.332	158	56	29-110			

MS (L 96070-MS-L600949)		Source: Y202339-12			Prepared: 02/22/2022 Analyzed: 02/23/2022					
Naphthalene	0.0815	0.000484	mg/Kg	0.164	0.00102	49	30-130			
Benzo(a)anthracene	0.122	0.000493	"	0.164	0.0289	56.7	30-130			
Benzo(b)fluoranthene	0.0964	0.000585	"	0.164	0.0337	38.2	30-130			
Benzo(k)fluoranthene	0.0946	0.000437	"	0.164	0.0153	48.3	30-130			
Chrysene	0.129	0.000624	"	0.164	0.0373	55.9	30-130			
Dibenz(a,h)anthracene	0.0911	0.000614	"	0.164	0.00547	52.2	30-130			
Fluoranthene	0.123	0.000394	"	0.164	0.0376	52	30-130			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
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
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**Batch L600949 - 3550B**

MS (L 96070-MS-L600949)		Source: Y202339-12			Prepared: 02/22/2022 Analyzed: 02/23/2022					
Indeno(1,2,3-cd)pyrene	0.0813	0.000627	mg/Kg	0.164	0.0163	39.6	30-130			
Anthracene	0.0889	0.000334	"	0.164	0.00397	51.7	30-130			
Pyrene	0.124	0.000643	"	0.164	0.0488	45.8	30-130			
Fluorene	0.0856	0.000286	"	0.164	0.00119	51.4	30-130			
2-Methylnaphthalene	0.0774	0.000645	"	0.164	0.00185	46	30-130			
Benzo(a)pyrene	0.139	0.000468	"	0.164	0.0401	60.3	30-130			
Acenaphthene	0.0752	0.000304	"	0.164	0.000542	45.8	30-130			
1-Methylnaphthalene	0.08	0.000364	"	0.164	0.000726	48.3	30-130			
Surrogate: Nitrobenzene-d5	55.3		"	0.329	158	55.3	29-110			
Surrogate: 2-Fluorobiphenyl	57.7		"	0.329	164	57.7	33-115			
Surrogate: 4-Terphenyl-d14	66.5		"	0.329	204	66.5	33-122			

**LCS (LCS-L600949)**

Prepared: 02/22/2022 Analyzed: 02/23/2022

Chrysene	0.109	0.000624	mg/Kg	0.167		65.2	30-130			
Dibenz(a,h)anthracene	0.0866	0.000614	"	0.167		51.8	30-130			
Benzo(b)fluoranthene	0.0817	0.000585	"	0.167		48.9	30-130			
Benzo(k)fluoranthene	0.0941	0.000437	"	0.167		56.3	30-130			
Benzo(a)pyrene	0.114	0.000468	"	0.167		68.2	30-130			
1-Methylnaphthalene	0.0927	0.000364	"	0.167		55.5	30-130			
2-Methylnaphthalene	0.0894	0.000645	"	0.167		53.5	30-130			
Benzo(a)anthracene	0.104	0.000493	"	0.167		62.2	30-130			
Acenaphthene	0.0857	0.000304	"	0.167		51.3	30-130			
Fluorene	0.0945	0.000286	"	0.167		56.5	30-130			
Indeno(1,2,3-cd)pyrene	0.0678	0.000627	"	0.167		40.5	30-130			
Naphthalene	0.0933	0.000484	"	0.167		55.8	30-130			
Fluoranthene	0.105	0.000394	"	0.167		62.8	30-130			
Pyrene	0.106	0.000643	"	0.167		63.4	30-130			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
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
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**Batch L600949 - 3550B**

**LCS (LCS-L600949)**

Prepared: 02/22/2022 Analyzed: 02/23/2022

Anthracene	0.0965	0.000334	mg/Kg	0.167		57.7	30-130			
Surrogate: 2-Fluorobiphenyl	64.2		"	0.333		64.2	33-115			
Surrogate: 4-Terphenyl-d14	74.1		"	0.333		74.1	33-122			
Surrogate: Nitrobenzene-d5	58.5		"	0.333		58.5	29-110			

**LRB (LRB-L600949)**

Prepared: 02/22/2022 Analyzed: 02/23/2022

Anthracene	ND	0.00067	mg/Kg				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Naphthalene	ND	0.00067	"				-			
Pyrene	ND	0.00067	"				-			
Surrogate: 2-Fluorobiphenyl	58.5		"	0.333		58.5	33-115			
Surrogate: 4-Terphenyl-d14	63.6		"	0.333		63.6	33-122			
Surrogate: Nitrobenzene-d5	57.3		"	0.333		57.3	29-110			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch L600471 - 3050B</b>										
<b>MSD (L 96204-MSD-L600471)</b>		<b>Source: 96204</b>			Prepared: 02/18/2022 Analyzed: 02/22/2022					
Selenium	3.56	0.103	mg/Kg	4.88	0.214	73	75-125	20.7	80	*
<b>MS (L 96204-MS-L600471)</b>		<b>Source: 96204</b>			Prepared: 02/18/2022 Analyzed: 02/22/2022					
Selenium	2.89	0.103	mg/Kg	4.78	0.214	60	75-125			*
<b>LCS (LCS-L600471)</b>					Prepared: 02/18/2022 Analyzed: 02/22/2022					
Selenium	4.91	0.103	mg/Kg	5		98	80-120			
<b>LRB (LRB-L600471)</b>					Prepared: 02/18/2022 Analyzed: 02/24/2022					
Selenium	ND	0.25	mg/Kg				-			
<b>Batch L600754 - 3050B</b>										
<b>MSD (L 96068-MSD-L600754)</b>		<b>Source: Y202339-10</b>			Prepared: 02/18/2022 Analyzed: 02/22/2022					
Selenium	2.82	0.103	mg/Kg	4.84	<0.103	58	75-125	2.1	80	*
<b>MS (L 96068-MS-L600754)</b>		<b>Source: Y202339-10</b>			Prepared: 02/18/2022 Analyzed: 02/22/2022					
Selenium	2.76	0.103	mg/Kg	4.97	<0.103	56	75-125			*
<b>LCS (LCS-L600754)</b>					Prepared: 02/18/2022 Analyzed: 02/22/2022					
Selenium	5.08	0.103	mg/Kg	5		102	80-120			
<b>LRB (LRB-L600754)</b>					Prepared: 02/18/2022 Analyzed: 02/24/2022					
Selenium	ND	0.25	mg/Kg				-			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

## Notes and Definitions

- U Sample is Non-Detect.
- S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
- S-07 High surrogate in sample, however sample is non-detect. High surrogate indicates result values are biased high.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- QM-11 Spike recovery was outside acceptance limits for LCS, however samples are non-detect for this compound.
- 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.
- \* 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.



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.*



March 14, 2022

Tasman Geosciences

Mike Jahn

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. March 03, 2022. This project is associated with Origins project number Y203097-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.  
303.433.1322  
o-squad@oelabinc.com



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



Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

### CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Pit-N05@4'	Y203097-01	Soil	March 3, 2022 14:40	03/03/2022 16:15
Pit-N06@4'	Y203097-02	Soil	March 3, 2022 14:42	03/03/2022 16:15
Pit-N07@4'	Y203097-03	Soil	March 3, 2022 14:44	03/03/2022 16:15
Pit-N08@4'	Y203097-04	Soil	March 3, 2022 14:46	03/03/2022 16:15
Pit-W07@4'	Y203097-05	Soil	March 3, 2022 14:48	03/03/2022 16:15
Pit-W08@4'	Y203097-06	Soil	March 3, 2022 14:50	03/03/2022 16:15
Pit-W09@4'	Y203097-07	Soil	March 3, 2022 14:52	03/03/2022 16:15
Pit-W10@4'	Y203097-08	Soil	March 3, 2022 14:54	03/03/2022 16:15

Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

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page 1 of 1

# ORIGINS

LABORATORY, INC

725097

Project Manager: Andy Jahn  
Project Name: West farms 2-14A  
Project Number: \_\_\_\_\_  
Samples Collected By: BL

Client: Oxy / Tasman  
Address: \_\_\_\_\_  
Telephone Number: \_\_\_\_\_  
Email Address: oxygen@tasmangeo.com

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 Summa #	Other	GC/MS	THMS	
P.T. 118504	3-1-08	1440	2	X										1
P.T. 118604		1442	1											2
P.T. 118704		1444	1											3
P.T. 118804		1446	1											4
P.T. 118904		1448	1											5
P.T. 119004		1450	1											6
P.T. 119104		1452	1											7
P.T. 119204		1454	1											8
														9
														10

Relinquished By: BL

Relinquished By: \_\_\_\_\_

Date: 3-1-08

Date: \_\_\_\_\_

Time: \_\_\_\_\_

Time: \_\_\_\_\_

Received By: \_\_\_\_\_

Received By: \_\_\_\_\_

Date: 3-3-08

Date: \_\_\_\_\_

Time: 1455

Time: \_\_\_\_\_

Turnaround Time: Same Day ☒ 24 Hr ☐ 48 Hr ☐ 72 Hr ☐ Standard ☐

Date Results Needed

Temp Received: 4.3

Origins Laboratory, Inc.  
*J. Bynon*

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
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: Y203097 Client: WSP  
Client Project ID: West Farms 2-14A  
Checklist Completed by: SG Shipped Via: HD  
Date/time completed: 3/3/12 (UPS, FedEx, Hand Delivered, Pick-up, etc.)  
Airbill #: N/A  
Matrix(s) Received: (Check all that apply): ☒ Soil/Solid ☐ Water ☐ Other: \_\_\_\_\_  
Cooler Number/Temperature: 1, 43 °C / \_\_\_\_\_ °C / \_\_\_\_\_ °C / \_\_\_\_\_ °C (Describe)  
Thermometer ID: T003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 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)

Date/Time Reviewed 3/3/12

Origins Laboratory, Inc.

*J. Bynon*

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-N05@4'

3/3/2022 2:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203097-01 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND		25.0	mg/kg	1	B2C0312	03/03/2022	03/03/2022	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl 117 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2C0313	03/03/2022	03/03/2022	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 93.2 % 70-130 " " "  
Surrogate: Toluene-d8 102 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 96.1 % 70-130 " " "

**PAH by 8270D SIM**

Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-N05@4'

3/3/2022 2:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y203097-01 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	0.0025	0.00182	0.00335	mg/Kg	5	L604003	03/10/2022	03/10/2022	J
2-Methylnaphthalene	0.00563	0.00323	0.00335	"	"	"	"	"	
Acenaphthene	ND	0.00152	0.00335	"	"	"	"	"	
Anthracene	0.0162	0.00167	0.00335	"	"	"	"	"	
Benzo(a)anthracene	0.136	0.00247	0.00335	"	"	"	"	"	
Benzo(a)pyrene	0.205	0.00234	0.00335	"	"	"	"	"	
Benzo(b)fluoranthene	0.178	0.00293	0.00335	"	"	"	"	"	
Benzo(k)fluoranthene	0.0568	0.00219	0.00335	"	"	"	"	"	
Chrysene	0.158	0.00312	0.00335	"	"	"	"	"	
Dibenz(a,h)anthracene	0.0353	0.00307	0.00335	"	"	"	"	"	
Fluoranthene	0.128	0.00197	0.00335	"	"	"	"	"	
Fluorene	0.00298	0.00143	0.00335	"	"	"	"	"	J
Indeno(1,2,3-cd)pyrene	0.069	0.00314	0.00335	"	"	"	"	"	
Naphthalene	ND	0.00242	0.00335	"	"	"	"	"	
Pyrene	0.197	0.00322	0.00335	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	52.1 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	65.5 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	53 %	29-110	"	"	"

**Total Metals by 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

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-N05@4'

3/3/2022 2:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y203097-01 (Soil)

## Total Metals by 6020B

Selenium	0.46	0.103	0.25	mg/Kg	5	L603315	03/07/2022	03/10/2022	
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Origins Laboratory, Inc.



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



Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-N06@4'

3/3/2022 2:42:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203097-02 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2C0312	03/03/2022	03/03/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 113 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2C0313	03/03/2022	03/03/2022	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 92.7 % 70-130 " " "  
Surrogate: Toluene-d8 103 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 95.0 % 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

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-N06@4'

3/3/2022 2:42:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y203097-02 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L604003	03/10/2022	03/10/2022
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	62 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	74.2 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	53.2 %	29-110	"	"	"

Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-N06@4'

3/3/2022 2:42:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y203097-02 (Soil)

## Total Metals by 6020B

Selenium	0.403	0.103	0.25	mg/Kg	5	L603315	03/07/2022	03/10/2022	
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Origins Laboratory, Inc.



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

Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-N07@4'

3/3/2022 2:44:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203097-03 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2C0312	03/03/2022	03/03/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 108 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2C0313	03/03/2022	03/03/2022	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 96.0 % 70-130 " " "  
Surrogate: Toluene-d8 102 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 95.2 % 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

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-N07@4'

3/3/2022 2:44:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y203097-03 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L604003	03/10/2022	03/10/2022
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	0.000916	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	0.00514	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	0.00873	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	0.0065	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	0.00322	0.000437	0.00067	"	"	"	"	"
Chrysene	0.00648	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	0.00306	0.000614	0.00067	"	"	"	"	"
Fluoranthene	0.00761	0.000394	0.00067	"	"	"	"	"
Fluorene	ND	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	0.00341	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"
Pyrene	0.0129	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	63.5 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	77 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	56.7 %	29-110	"	"	"

**Total Metals by 6020B**

Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-N07@4'

3/3/2022 2:44:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y203097-03 (Soil)

## Total Metals by 6020B

Selenium	0.531	0.103	0.25	mg/Kg	5	L603315	03/07/2022	03/10/2022
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Origins Laboratory, Inc.



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

Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-N08@4'

3/3/2022 2:46:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203097-04 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2C0312	03/03/2022	03/03/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 96.4 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2C0313	03/03/2022	03/03/2022	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 91.3 % 70-130 " " "  
Surrogate: Toluene-d8 104 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 102 % 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

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-N08@4'

3/3/2022 2:46:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y203097-04 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	0.00265	0.00182	0.00335	mg/Kg	5	L604003	03/10/2022	03/10/2022	J
2-Methylnaphthalene	ND	0.00323	0.00335	"	"	"	"	"	
Acenaphthene	0.00397	0.00152	0.00335	"	"	"	"	"	
Anthracene	0.0236	0.00167	0.00335	"	"	"	"	"	
Benzo(a)anthracene	0.106	0.00247	0.00335	"	"	"	"	"	
Benzo(a)pyrene	0.151	0.00234	0.00335	"	"	"	"	"	
Benzo(b)fluoranthene	0.119	0.00293	0.00335	"	"	"	"	"	
Benzo(k)fluoranthene	0.0562	0.00219	0.00335	"	"	"	"	"	
Chrysene	0.123	0.00312	0.00335	"	"	"	"	"	
Dibenz(a,h)anthracene	0.0203	0.00307	0.00335	"	"	"	"	"	
Fluoranthene	0.128	0.00197	0.00335	"	"	"	"	"	
Fluorene	0.0058	0.00143	0.00335	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	0.052	0.00314	0.00335	"	"	"	"	"	
Naphthalene	ND	0.00242	0.00335	"	"	"	"	"	
Pyrene	0.182	0.00322	0.00335	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	50.3 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	62.7 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	48.8 %	29-110	"	"	"

**Total Metals by 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

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-N08@4'

3/3/2022 2:46:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y203097-04 (Soil)

## Total Metals by 6020B

Selenium	0.581	0.103	0.25	mg/Kg	5	L603315	03/07/2022	03/10/2022	
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Origins Laboratory, Inc.



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



Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-W07@4'

3/3/2022 2:48:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203097-05 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND		25.0	mg/kg	1	B2C0312	03/03/2022	03/03/2022	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl 96.9 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2C0313	03/03/2022	03/03/2022	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 98.5 % 70-130 " " "  
Surrogate: Toluene-d8 99.1 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 96.9 % 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

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-W07@4'

3/3/2022 2:48:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y203097-05 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L604003	03/10/2022	03/10/2022
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	0.000952	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	0.00272	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	0.00205	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	0.00125	0.000437	0.00067	"	"	"	"	"
Chrysene	0.00215	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	0.000811	0.000614	0.00067	"	"	"	"	"
Fluoranthene	0.00176	0.000394	0.00067	"	"	"	"	"
Fluorene	ND	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	0.00102	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"
Pyrene	0.00271	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	54.5 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	65.7 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	48.2 %	29-110	"	"	"

**Total Metals by 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

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-W07@4'

3/3/2022 2:48:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y203097-05 (Soil)

## Total Metals by 6020B

Selenium	0.544	0.103	0.25	mg/Kg	5	L603315	03/07/2022	03/10/2022
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Origins Laboratory, Inc.



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

Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-W08@4'

3/3/2022 2:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203097-06 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2C0312	03/03/2022	03/03/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 112 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2C0313	03/03/2022	03/03/2022	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 97.0 % 70-130 " " "  
Surrogate: Toluene-d8 101 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 98.9 % 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

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-W08@4'

3/3/2022 2:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y203097-06 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L604210	03/10/2022	03/13/2022
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"
Acenaphthene	0.00107	0.000304	0.00067	"	"	"	"	"
Anthracene	0.00295	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	0.014	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	0.0173	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	0.018	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	0.00543	0.000437	0.00067	"	"	"	"	"
Chrysene	0.015	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	0.00387	0.000614	0.00067	"	"	"	"	"
Fluoranthene	0.0192	0.000394	0.00067	"	"	"	"	"
Fluorene	0.00105	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	0.0151	0.000627	0.00067	"	"	"	"	"
Naphthalene	0.000829	0.000484	0.00067	"	"	"	"	"
Pyrene	0.0243	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	59 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	61.7 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	49.1 %	29-110	"	"	"

**Total Metals by 6020B**

Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-W08@4'

3/3/2022 2:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y203097-06 (Soil)

## Total Metals by 6020B

Selenium	0.545	0.103	0.25	mg/Kg	5	L603315	03/07/2022	03/10/2022	
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Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-W09@4'

3/3/2022 2:52:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203097-07 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2C0312	03/03/2022	03/03/2022	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	B2C0313	03/03/2022	03/04/2022	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 98.8 % 70-130 " " "  
Surrogate: Toluene-d8 101 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 99.1 % 70-130 " " "

**PAH by 8270D SIM**

Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-W09@4'

3/3/2022 2:52:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y203097-07 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L604210	03/10/2022	03/13/2022
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	0.00103	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	0.00115	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	0.00126	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	55 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	59.5 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	48 %	29-110	"	"	"

Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-W09@4'

3/3/2022 2:52:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y203097-07 (Soil)

## Total Metals by 6020B

Selenium	0.595	0.103	0.25	mg/Kg	5	L603315	03/07/2022	03/10/2022
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Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-W10@4'

3/3/2022 2:54:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203097-08 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2C0312	03/03/2022	03/03/2022	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	B2C0313	03/03/2022	03/04/2022	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 98.5 % 70-130 " " "  
Surrogate: Toluene-d8 104 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 95.6 % 70-130 " " "

**PAH by 8270D SIM**

Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-W10@4'

3/3/2022 2:54:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y203097-08 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L604210	03/10/2022	03/13/2022	
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	0.000563	0.000468	0.00067	"	"	"	"	"	J
Benzo(b)fluoranthene	0.000608	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	0.000413	0.000394	0.00067	"	"	"	"	"	J
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	58.3 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	61.9 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	49.5 %	29-110	"	"	"

Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

Pit-W10@4'

3/3/2022 2:54:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y203097-08 (Soil)

## Total Metals by 6020B

Selenium	0.594	0.103	0.25	mg/Kg	5	L603315	03/07/2022	03/10/2022	
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Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
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
<b>Batch B2C0312 - EPA 3550B</b>										
<b>Blank (B2C0312-BLK1)</b>					Prepared: 03/03/2022 Analyzed: 03/03/2022					
Diesel (C10-C28)	ND	50.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	200	"							U
Surrogate: o-Terphenyl	48		"	49.8		97.3	50-150			

Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
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
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**Batch B2C0312 - EPA 3550B**

**LCS (B2C0312-BS1)**

Prepared: 03/03/2022 Analyzed: 03/03/2022

Diesel (C10-C28)	977	50.0	mg/kg	1000		97.7	70-130			
Residual Range Organics (C28-C40)	871	200	"	1000		87.1	70-130			
Surrogate: o-Terphenyl	59		"	49.8		118	50-150			

Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
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
<b>Batch B2C0312 - EPA 3550B</b>										
<b>Matrix Spike (B2C0312-MS1)</b>		<b>Source: Y202459-28</b>			Prepared: 03/03/2022 Analyzed: 03/03/2022					
Diesel (C10-C28)	1200	50.0	mg/kg	1000	308	89.7	70-130			
Residual Range Organics (C28-C40)	834	200	"	1000	114	72.0	70-130			
Surrogate: o-Terphenyl	57		"	49.8		114	50-150			

Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
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
<b>Batch B2C0312 - EPA 3550B</b>										
<b>Matrix Spike Dup (B2C0312-MSD1)</b>										
					<b>Source: Y202459-28</b>					
					Prepared: 03/03/2022		Analyzed: 03/03/2022			
Diesel (C10-C28)	1240	50.0	mg/kg	1000	308	93.6	70-130	3.20	35	
Residual Range Organics (C28-C40)	841	200	"	1000	114	72.6	70-130	0.810	35	
Surrogate: o-Terphenyl	49		"	49.8		98.4	50-150			

Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
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
<b>Batch B2C0313 - EPA 5030 (soil)</b>										
<b>Blank (B2C0313-BLK1)</b>					Prepared: 03/03/2022 Analyzed: 03/03/2022					
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
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.10		"	0.125		83.1	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		106	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		94.3	70-130			

Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
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 B2C0313 - EPA 5030 (soil)</b>										
<b>LCS (B2C0313-BS1)</b>					Prepared: 03/03/2022 Analyzed: 03/03/2022					
1,2,4-Trimethylbenzene	0.101	0.00200	mg/kg	0.100		101	70-130			
1,3,5-Trimethylbenzene	0.102	0.00200	"	0.100		102	70-130			
Benzene	0.0834	0.00200	"	0.100		83.4	70-130			
Ethylbenzene	0.0995	0.00200	"	0.100		99.5	70-130			
Toluene	0.0873	0.00200	"	0.100		87.3	70-130			
o-Xylene	0.0993	0.00200	"	0.100		99.3	70-130			
m,p-Xylene	0.201	0.00400	"	0.200		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.10		"	0.125		83.4	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		104	70-130			

Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
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 B2C0313 - EPA 5030 (soil)</b>										
<b>Matrix Spike (B2C0313-MS1)</b>		<b>Source: Y203094-01</b>			Prepared: 03/03/2022 Analyzed: 03/03/2022					
1,2,4-Trimethylbenzene	0.0987	0.00200	mg/kg	0.100	ND	98.7	70-130			
1,3,5-Trimethylbenzene	0.0974	0.00200	"	0.100	ND	97.4	70-130			
Benzene	0.0863	0.00200	"	0.100	ND	86.3	70-130			
Ethylbenzene	0.0952	0.00200	"	0.100	ND	95.2	70-130			
Toluene	0.0876	0.00200	"	0.100	ND	87.6	70-130			
o-Xylene	0.0956	0.00200	"	0.100	ND	95.6	70-130			
m,p-Xylene	0.193	0.00400	"	0.200	ND	96.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.10		"	0.125		82.7	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		100	70-130			

Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
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 B2C0313 - EPA 5030 (soil)</b>										
<b>Matrix Spike Dup (B2C0313-MSD1)</b>	<b>Source: Y203094-01</b>				Prepared: 03/03/2022 Analyzed: 03/03/2022					
1,2,4-Trimethylbenzene	0.103	0.00200	mg/kg	0.100	ND	103	70-130	4.09	20	
1,3,5-Trimethylbenzene	0.101	0.00200	"	0.100	ND	101	70-130	3.45	20	
Benzene	0.0917	0.00200	"	0.100	ND	91.7	70-130	6.02	20	
Ethylbenzene	0.0991	0.00200	"	0.100	ND	99.1	70-130	4.01	20	
Toluene	0.0931	0.00200	"	0.100	ND	93.1	70-130	6.09	20	
o-Xylene	0.0993	0.00200	"	0.100	ND	99.3	70-130	3.84	20	
m,p-Xylene	0.200	0.00400	"	0.200	ND	100	70-130	3.61	20	
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		84.4	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		100	70-130			

Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L604210 - 3550B**

MSD (L 86436-MSD-L604210)		Source: Y203097-06			Prepared: 03/10/2022 Analyzed: 03/13/2022					
Chrysene	0.109	0.000624	mg/Kg	0.166	0.015	56.6	30-130	21.5	30	
Acenaphthene	0.098	0.000304	"	0.166	0.00107	58.3	30-130	17.8	30	
Anthracene	0.103	0.000334	"	0.166	0.00295	60.2	30-130	15.2	30	
Benzo(a)anthracene	0.124	0.000493	"	0.166	0.014	66.2	30-130	21.4	30	
Benzo(a)pyrene	0.115	0.000468	"	0.166	0.0173	58.8	30-130	22.8	30	
Benzo(k)fluoranthene	0.105	0.000437	"	0.166	0.00543	59.9	30-130	25.6	30	
1-Methylnaphthalene	0.107	0.000364	"	0.166	<0.000364	64.4	30-130	17.5	30	
Dibenz(a,h)anthracene	0.149	0.000614	"	0.166	0.00387	87.4	30-130	27.4	30	
Fluoranthene	0.127	0.000394	"	0.166	0.0192	64.9	30-130	21.8	30	
Fluorene	0.108	0.000286	"	0.166	0.00105	64.4	30-130	17.1	30	
Indeno(1,2,3-cd)pyrene	0.139	0.000627	"	0.166	0.0151	74.6	30-130	26	30	
Naphthalene	0.1	0.000484	"	0.166	0.000829	59.7	30-130	16.6	30	
Pyrene	0.135	0.000643	"	0.166	0.0243	66.6	30-130	25.9	30	
Benzo(b)fluoranthene	0.121	0.000585	"	0.166	0.018	62	30-130	19.6	30	
2-Methylnaphthalene	0.107	0.000645	"	0.166	<0.000645	64.4	30-130	17.5	30	
Surrogate: 4-Terphenyl-d14	62.3		"	0.332	205	62.3	33-122			
Surrogate: 2-Fluorobiphenyl	59		"	0.332	196	59	33-115			
Surrogate: Nitrobenzene-d5	49		"	0.332	163	49	29-110			

MS (L 86436-MS-L604210)		Source: Y203097-06			Prepared: 03/10/2022 Analyzed: 03/13/2022					
Pyrene	0.104	0.000643	mg/Kg	0.165	0.0243	48.3	30-130			
Fluoranthene	0.102	0.000394	"	0.165	0.0192	50.1	30-130			

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
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
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**Batch L604210 - 3550B**

MS (L 86436-MS-L604210)		Source: Y203097-06			Prepared: 03/10/2022 Analyzed: 03/13/2022					
Indeno(1,2,3-cd)pyrene	0.107	0.000627	mg/Kg	0.165	0.0151	55.6	30-130			
Anthracene	0.0884	0.000334	"	0.165	0.00295	51.7	30-130			
Naphthalene	0.0846	0.000484	"	0.165	0.000829	50.7	30-130			
Dibenz(a,h)anthracene	0.113	0.000614	"	0.165	0.00387	66.1	30-130			
Chrysene	0.0878	0.000624	"	0.165	0.015	44.1	30-130			
Benzo(k)fluoranthene	0.0811	0.000437	"	0.165	0.00543	45.8	30-130			
Benzo(b)fluoranthene	0.0994	0.000585	"	0.165	0.018	49.3	30-130			
Benzo(a)pyrene	0.0914	0.000468	"	0.165	0.0173	44.9	30-130			
Fluorene	0.0909	0.000286	"	0.165	0.00105	54.4	30-130			
Benzo(a)anthracene	0.1	0.000493	"	0.165	0.014	52.1	30-130			
Acenaphthene	0.0819	0.000304	"	0.165	0.00107	48.9	30-130			
2-Methylnaphthalene	0.0897	0.000645	"	0.165	<0.000645	54.3	30-130			
1-Methylnaphthalene	0.0897	0.000364	"	0.165	<0.000364	54.3	30-130			
Surrogate: Nitrobenzene-d5	48.1		"	0.33	163	48.1	29-110			
Surrogate: 4-Terphenyl-d14	61.5		"	0.33	205	61.5	33-122			
Surrogate: 2-Fluorobiphenyl	58.4		"	0.33	196	58.4	33-115			

**LCS (LCS-L604210)**

Prepared: 03/10/2022 Analyzed: 03/13/2022

1-Methylnaphthalene	0.0981	0.000364	mg/Kg	0.167		58.7	30-130
Benzo(a)anthracene	0.105	0.000493	"	0.167		62.8	30-130
2-Methylnaphthalene	0.098	0.000645	"	0.167		58.6	30-130
Anthracene	0.1	0.000334	"	0.167		59.8	30-130
Pyrene	0.109	0.000643	"	0.167		65.2	30-130
Naphthalene	0.0927	0.000484	"	0.167		55.5	30-130
Indeno(1,2,3-cd)pyrene	0.138	0.000627	"	0.167		82.6	30-130
Fluorene	0.0986	0.000286	"	0.167		59	30-130
Fluoranthene	0.107	0.000394	"	0.167		64	30-130

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Broomfield CO 80020

Mike Jahn  
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
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**Batch L604210 - 3550B**

**LCS (LCS-L604210)**

Prepared: 03/10/2022 Analyzed: 03/13/2022

Dibenz(a,h)anthracene	0.147	0.000614	mg/Kg	0.167		88	30-130			
Chrysene	0.0927	0.000624	"	0.167		55.5	30-130			
Benzo(k)fluoranthene	0.0973	0.000437	"	0.167		58.2	30-130			
Benzo(b)fluoranthene	0.112	0.000585	"	0.167		67	30-130			
Benzo(a)pyrene	0.1	0.000468	"	0.167		59.8	30-130			
Acenaphthene	0.0909	0.000304	"	0.167		54.4	30-130			
Surrogate: 4-Terphenyl-d14	63.9		"	0.333		63.9	33-122			
Surrogate: 2-Fluorobiphenyl	62.7		"	0.333		62.7	33-115			
Surrogate: Nitrobenzene-d5	51.6		"	0.333		51.6	29-110			

**LRB (LRB-L604210)**

Prepared: 03/10/2022 Analyzed: 03/13/2022

Dibenz(a,h)anthracene	ND	0.00067	mg/Kg				-			
Fluorene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Pyrene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Naphthalene	ND	0.00067	"				-			
Surrogate: 4-Terphenyl-d14	58.8		"	0.333		58.8	33-122			

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
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
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Batch L604210 - 3550B

LRB (LRB-L604210)

Prepared: 03/10/2022 Analyzed: 03/13/2022

Surrogate: 2-Fluorobiphenyl	58.5		mg/Kg	0.333	58.5		33-115			
Surrogate: Nitrobenzene-d5	48.6		"	0.333	48.6		29-110			

Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
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
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**Batch L604003 - 3550B**

MSD (L 87870-MSD-L604003)		Source: 87870			Prepared: 03/10/2022 Analyzed: 03/10/2022					
Chrysene	0.0986	0.00312	mg/Kg	0.165	<0.00312	59.7	30-130	8.2	30	
Fluoranthene	0.0988	0.00197	"	0.165	<0.00197	59.8	30-130	4.4	30	
Pyrene	0.102	0.00322	"	0.165	<0.00322	61.8	30-130	4.1	30	
Naphthalene	0.0875	0.00242	"	0.165	<0.00242	53	30-130	0.1	30	
Fluorene	0.0848	0.00143	"	0.165	0.00186	50.2	30-130	1	30	
Dibenz(a,h)anthracene	0.151	0.00307	"	0.165	<0.00307	91.5	30-130	0.6	30	
Benzo(k)fluoranthene	0.104	0.00219	"	0.165	<0.00219	63	30-130	5.5	30	
Benzo(a)pyrene	0.108	0.00234	"	0.165	<0.00234	65.4	30-130	5.7	30	
1-Methylnaphthalene	0.101	0.00182	"	0.165	0.00283	59.4	30-130	0	30	
Indeno(1,2,3-cd)pyrene	0.0695	0.00314	"	0.165	<0.00314	42.1	30-130	0.7	30	
Benzo(b)fluoranthene	0.0919	0.00293	"	0.165	<0.00293	55.6	30-130	3.9	30	
Benzo(a)anthracene	0.0944	0.00247	"	0.165	<0.00247	57.2	30-130	1.3	30	
2-Methylnaphthalene	0.0734	0.00323	"	0.165	<0.00323	44.4	30-130	3.1	30	
Acenaphthene	0.074	0.00152	"	0.165	<0.00152	44.8	30-130	2.6	30	
Anthracene	0.0837	0.00167	"	0.165	<0.00167	50.7	30-130	6	30	
Surrogate: Nitrobenzene-d5	49.3		"	0.33	160	49.3	29-110			
Surrogate: 2-Fluorobiphenyl	54.5		"	0.33	169	54.5	33-115			
Surrogate: 4-Terphenyl-d14	66		"	0.33	218	66	33-122			

MS (L 87870-MS-L604003)		Source: 87870			Prepared: 03/10/2022 Analyzed: 03/10/2022					
Benzo(k)fluoranthene	0.0984	0.00219	mg/Kg	0.164	<0.00219	60	30-130			
Naphthalene	0.0876	0.00242	"	0.164	<0.00242	53.4	30-130			
Indeno(1,2,3-cd)pyrene	0.07	0.00314	"	0.164	<0.00314	42.6	30-130			
Fluorene	0.0857	0.00143	"	0.164	0.00186	51.1	30-130			
Fluoranthene	0.0945	0.00197	"	0.164	<0.00197	57.6	30-130			
Dibenz(a,h)anthracene	0.152	0.00307	"	0.164	<0.00307	92.6	30-130			
Chrysene	0.0908	0.00312	"	0.164	<0.00312	55.3	30-130			

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
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
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**Batch L604003 - 3550B**

MS (L 87870-MS-L604003)		Source: 87870			Prepared: 03/10/2022 Analyzed: 03/10/2022					
Pyrene	0.0979	0.00322	mg/Kg	0.164	<0.00322	59.6	30-130			
1-Methylnaphthalene	0.101	0.00182	"	0.164	0.00283	59.8	30-130			
Benzo(a)pyrene	0.102	0.00234	"	0.164	<0.00234	62.1	30-130			
Benzo(a)anthracene	0.0931	0.00247	"	0.164	<0.00247	56.7	30-130			
Acenaphthene	0.076	0.00152	"	0.164	<0.00152	46.3	30-130			
2-Methylnaphthalene	0.0711	0.00323	"	0.164	<0.00323	43.3	30-130			
Benzo(b)fluoranthene	0.0883	0.00293	"	0.164	<0.00293	53.8	30-130			
Anthracene	0.0889	0.00167	"	0.164	<0.00167	54.2	30-130			
Surrogate: 4-Terphenyl-d14	65.2		"	0.328	218	65.2	33-122			
Surrogate: Nitrobenzene-d5	48.4		"	0.328	160	48.4	29-110			
Surrogate: 2-Fluorobiphenyl	53.9		"	0.328	169	53.9	33-115			

LCS (LCS-L604003)		Prepared: 03/10/2022 Analyzed: 03/10/2022								
Chrysene	0.121	0.000624	mg/Kg	0.167		72.4	30-130			
Dibenz(a,h)anthracene	0.136	0.000614	"	0.167		81.4	30-130			
Fluoranthene	0.126	0.000394	"	0.167		75.4	30-130			
Fluorene	0.107	0.000286	"	0.167		64	30-130			
Indeno(1,2,3-cd)pyrene	0.108	0.000627	"	0.167		64.6	30-130			
Pyrene	0.131	0.000643	"	0.167		78.4	30-130			
1-Methylnaphthalene	0.118	0.000364	"	0.167		70.6	30-130			
Benzo(k)fluoranthene	0.127	0.000437	"	0.167		76	30-130			
Naphthalene	0.108	0.000484	"	0.167		64.6	30-130			
Benzo(a)pyrene	0.133	0.000468	"	0.167		79.6	30-130			
Benzo(a)anthracene	0.127	0.000493	"	0.167		76	30-130			
Anthracene	0.11	0.000334	"	0.167		65.8	30-130			
Acenaphthene	0.0962	0.000304	"	0.167		57.6	30-130			
2-Methylnaphthalene	0.102	0.000645	"	0.167		61	30-130			

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Broomfield CO 80020

Mike Jahn  
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
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**Batch L604003 - 3550B**

**LCS (LCS-L604003)**

Prepared: 03/10/2022 Analyzed: 03/10/2022

Benzo(b)fluoranthene	0.132	0.000585	mg/Kg	0.167		79	30-130			
Surrogate: Nitrobenzene-d5	56.4		"	0.333		56.4	29-110			
Surrogate: 4-Terphenyl-d14	84.6		"	0.333		84.6	33-122			
Surrogate: 2-Fluorobiphenyl	68.4		"	0.333		68.4	33-115			

**LRB (LRB-L604003)**

Prepared: 03/10/2022 Analyzed: 03/10/2022

Pyrene	ND	0.00067	mg/Kg				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Naphthalene	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	"				-			
Anthracene	ND	0.00067	"				-			
Surrogate: Nitrobenzene-d5	54		"	0.333		54	29-110			
Surrogate: 4-Terphenyl-d14	79.5		"	0.333		79.5	33-122			
Surrogate: 2-Fluorobiphenyl	63.6		"	0.333		63.6	33-115			

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Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch L603315 - 3050B</b>										
<b>MSD (L 86448-MSD-L603315)</b>		<b>Source: 86448</b>			Prepared: 03/07/2022 Analyzed: 03/10/2022					
Selenium	4.03	0.103	mg/Kg	4.95	0.322	75	75-125	0.9	80	
<b>MS (L 86448-MS-L603315)</b>		<b>Source: 86448</b>			Prepared: 03/07/2022 Analyzed: 03/10/2022					
Selenium	3.99	0.103	mg/Kg	4.75	0.322	77	75-125			
<b>LCS (LCS-L603315)</b>					Prepared: 03/07/2022 Analyzed: 03/10/2022					
Selenium	5.04	0.103	mg/Kg	5		101	80-120			
<b>LRB (LRB-L603315)</b>					Prepared: 03/07/2022 Analyzed: 03/10/2022					
Selenium	ND	0.25	mg/Kg							

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6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

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### Notes and Definitions

U Sample is Non-Detect.

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.



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Jordan A. Bynon For Jen Pellegrini, Project Manager





March 29, 2022

Tasman Geosciences

Mike Jahn

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. March 15, 2022. This project is associated with Origins project number Y203389-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.  
303.433.1322  
o-squad@oelabinc.com



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



Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

**CROSS REFERENCE REPORT**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PIT-B11@8'	Y203389-01	Soil	March 15, 2022 15:00	03/15/2022 17:45
PIT-B12@8'	Y203389-02	Soil	March 15, 2022 15:02	03/15/2022 17:45
PIT-B13@8'	Y203389-03	Soil	March 15, 2022 15:04	03/15/2022 17:45
PIT-B14@8'	Y203389-04	Soil	March 15, 2022 15:06	03/15/2022 17:45
PIT-B15@8'	Y203389-05	Soil	March 15, 2022 15:08	03/15/2022 17:45
PIT-B16@8'	Y203389-06	Soil	March 15, 2022 15:10	03/15/2022 17:45
PIT-B17@8'	Y203389-07	Soil	March 15, 2022 15:12	03/15/2022 17:45
PIT-B18@8'	Y203389-08	Soil	March 15, 2022 15:14	03/15/2022 17:45
PIT-B19@8'	Y203389-09	Soil	March 15, 2022 15:16	03/15/2022 17:45
PIT-N09@4'	Y203389-10	Soil	March 15, 2022 15:18	03/15/2022 17:45
PIT-E05@4'	Y203389-11	Soil	March 15, 2022 15:20	03/15/2022 17:45
PIT-E06@4'	Y203389-12	Soil	March 15, 2022 15:22	03/15/2022 17:45
PIT-E07@4'	Y203389-13	Soil	March 15, 2022 15:24	03/15/2022 17:45
PIT-E08@4'	Y203389-14	Soil	March 15, 2022 15:26	03/15/2022 17:45

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PIT-E09@4'	Y203389-15	Soil	March 15, 2022 15:28	03/15/2022 17:45
PIT-E10@4'	Y203389-16	Soil	March 15, 2022 15:30	03/15/2022 17:45

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

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

www.originslaboratory.com

Y203385

ORIGINS  
LABORATORY, INC

page 1 of 2

Client: OXY/Tasman  
Address: \_\_\_\_\_  
Telephone Number: \_\_\_\_\_  
Email Address: asagene@tasman-geo.com  
Project Manager: Andy Sagen  
Project Name: West Farm 2-14A  
Project Number: 90406875  
Samples Collected By: SL

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	Other	CBTEXN	DE/OPD	TMBS	PAHs		Selenium
PIT-B11e8'	3-15-22	1500	2	X					X				X	X	X	X	1
PIT-B12e8'		1502															2
PIT-B13e8'		1504															3
PIT-B14e8'		1506															4
PIT-B15e8'		1508															5
PIT-B16e8'		1510															6
PIT-B17e8'		1512															7
PIT-B18e8'		1514															8
PIT-B19e8'		1516															9
PIT-N09e4'		1518															10
Relinquished By: <u>SL</u>	Date: 3-15-22	Time: 1745															Turnaround Time: 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"/>
Relinquished By:	Date:	Time:															

Date Results Needed

Temp Received- 4.3

Origins Laboratory, Inc.

*Jen Pellegrini*

Jen Pellegrini, Project Manager

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Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

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page 2 of 2

# ORIGINS

4203389

Project Manager: Andy Sager  
Project Name: West Farm 2-114  
Project Number: 92406875  
Files Collected By: SLC

Samples Collected By: SV

Client: Oxy Tasman

Address: \_\_\_\_\_



Telephone Number: \_\_\_\_\_

Email Address: oxygen.tasman-qco.com

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 Summa Canister #	Other	GBTEXN	Dr/Gr	TMBs	PAHs	
PIT-E0504'	3-16-22	1520	2	X					X			X	X	X	X	1
PIT-E0604'		1522														2
PIT-E0704'		1524														3
PIT-E0804'		1526														4
PIT-E0904'		1528														5
PIT-E1004'	✓	1530	✓	✓					✓			✓	✓	✓	✓	6
																7
																8
																9
																10

Relinquished By:	Date:	Time:	Received By:	Date:	Time:	Turnaround Time:
	3-16-22	1746		3/15/22	1745	<input checked="" type="checkbox"/> Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> Standard

Date Results Needed

Temp Received- 4.3

Origins Laboratory, Inc.

Jeff Pelligrini

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**Jen Pellegrini, Project Manager**



Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
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: Y203389

Client: Tasman

Client Project ID: West Farms 2-14A

Checklist Completed by: SG

Shipped Via: HD

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

Date/time completed: 3/15/22

Airbill #: N/A

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

Cooler Number/Temperature: 1 18.5 °C 1 °C 1 °C 1 °C (Describe)

Thermometer ID: T004

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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>same day</u>
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked <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 type="checkbox"/>	<input type="checkbox"/>	<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)

3/15/22  
Date/Time Reviewed

Origins Laboratory, Inc.

*Jen Pellegrini*

Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-B11@8'  
3/15/2022 3:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203389-01 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2C1529	03/15/2022	03/16/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 71.1 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2C1532	03/15/2022	03/15/2022	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 99.4 % 70-130 " " "  
Surrogate: Toluene-d8 104 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 101 % 70-130 " " "

**PAH by 8270D SIM**

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-B11@8'  
3/15/2022 3:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y203389-01 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.00182	0.00335	mg/Kg	5	L606290	03/22/2022	03/23/2022	
2-Methylnaphthalene	ND	0.00323	0.00335	"	"	"	"	"	
Acenaphthene	ND	0.00152	0.00335	"	"	"	"	"	
Anthracene	0.00198	0.00167	0.00335	"	"	"	"	"	J
Benzo(a)anthracene	0.00639	0.00247	0.00335	"	"	"	"	"	
Benzo(a)pyrene	0.00788	0.00234	0.00335	"	"	"	"	"	
Benzo(b)fluoranthene	0.00943	0.00293	0.00335	"	"	"	"	"	
Benzo(k)fluoranthene	0.00311	0.00219	0.00335	"	"	"	"	"	J
Chrysene	0.00694	0.00312	0.00335	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.00307	0.00335	"	"	"	"	"	
Fluoranthene	0.0148	0.00197	0.00335	"	"	"	"	"	
Fluorene	ND	0.00143	0.00335	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	0.00652	0.00314	0.00335	"	"	"	"	"	
Naphthalene	ND	0.00242	0.00335	"	"	"	"	"	
Pyrene	0.0162	0.00322	0.00335	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	49.8 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	59.6 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	39.2 %	29-110	"	"	"

**Total Metals by 6020B**

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-B11@8'

3/15/2022 3:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y203389-01 (Soil)

## Total Metals by 6020B

Selenium	ND	0.103	0.25	mg/Kg	5	L605626	03/18/2022	03/20/2022	
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-B12@8'  
3/15/2022 3:02:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203389-02 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2C1529	03/15/2022	03/16/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 74.3 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	0.00206	0.00200	mg/kg	1	B2C1532	03/15/2022	03/15/2022	
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	3.42	0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4 104 % 70-130 " " "  
Surrogate: Toluene-d8 103 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 127 % 70-130 " " "

**PAH by 8270D SIM**

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-B12@8'  
3/15/2022 3:02:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y203389-02 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.00182	0.00335	mg/Kg	5	L606290	03/22/2022	03/23/2022
2-Methylnaphthalene	ND	0.00323	0.00335	"	"	"	"	"
Acenaphthene	ND	0.00152	0.00335	"	"	"	"	"
Anthracene	ND	0.00167	0.00335	"	"	"	"	"
Benzo(a)anthracene	ND	0.00247	0.00335	"	"	"	"	"
Benzo(a)pyrene	ND	0.00234	0.00335	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.00293	0.00335	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.00219	0.00335	"	"	"	"	"
Chrysene	ND	0.00312	0.00335	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.00307	0.00335	"	"	"	"	"
Fluoranthene	ND	0.00197	0.00335	"	"	"	"	"
Fluorene	ND	0.00143	0.00335	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.00314	0.00335	"	"	"	"	"
Naphthalene	ND	0.00242	0.00335	"	"	"	"	"
Pyrene	ND	0.00322	0.00335	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	57.3 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	76.1 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	48.2 %	29-110	"	"	"

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-B12@8'

3/15/2022 3:02:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y203389-02 (Soil)

## Total Metals by 6020B

Selenium	ND	0.103	0.25	mg/Kg	5	L605626	03/18/2022	03/20/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-B13@8'  
3/15/2022 3:04:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203389-03 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND		25.0	mg/kg	1	B2C1529	03/15/2022	03/16/2022	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl 70.0 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2C1532	03/15/2022	03/15/2022	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 102 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 96.2 % 70-130 " " "

**PAH by 8270D SIM**

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-B13@8'  
3/15/2022 3:04:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y203389-03 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.00182	0.00335	mg/Kg	5	L606290	03/22/2022	03/23/2022	
2-Methylnaphthalene	ND	0.00323	0.00335	"	"	"	"	"	
Acenaphthene	ND	0.00152	0.00335	"	"	"	"	"	
Anthracene	0.00267	0.00167	0.00335	"	"	"	"	"	J
Benzo(a)anthracene	0.0121	0.00247	0.00335	"	"	"	"	"	
Benzo(a)pyrene	0.0165	0.00234	0.00335	"	"	"	"	"	
Benzo(b)fluoranthene	0.0167	0.00293	0.00335	"	"	"	"	"	
Benzo(k)fluoranthene	0.00545	0.00219	0.00335	"	"	"	"	"	
Chrysene	0.0128	0.00312	0.00335	"	"	"	"	"	
Dibenz(a,h)anthracene	0.00366	0.00307	0.00335	"	"	"	"	"	B
Fluoranthene	0.0163	0.00197	0.00335	"	"	"	"	"	
Fluorene	ND	0.00143	0.00335	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	0.013	0.00314	0.00335	"	"	"	"	"	
Naphthalene	ND	0.00242	0.00335	"	"	"	"	"	
Pyrene	0.0216	0.00322	0.00335	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	72.3 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	85.5 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	60.2 %	29-110	"	"	"

**Total Metals by 6020B**

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-B13@8'

3/15/2022 3:04:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y203389-03 (Soil)

## Total Metals by 6020B

Selenium	ND	0.103	0.25	mg/Kg	5	L605626	03/18/2022	03/20/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-B14@8'  
3/15/2022 3:06:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y203389-04 (Soil)

## DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2C1529	03/15/2022	03/16/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 73.8 % 50-150 " " "

## GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2C1532	03/15/2022	03/15/2022	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 100 % 70-130 " " "  
Surrogate: Toluene-d8 103 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 98.5 % 70-130 " " "

## PAH by 8270D SIM

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-B14@8'  
3/15/2022 3:06:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y203389-04 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.00182	0.00335	mg/Kg	5	L606290	03/22/2022	03/23/2022	
2-Methylnaphthalene	ND	0.00323	0.00335	"	"	"	"	"	
Acenaphthene	0.00335	0.00152	0.00335	"	"	"	"	"	
Anthracene	0.0085	0.00167	0.00335	"	"	"	"	"	
Benzo(a)anthracene	0.0322	0.00247	0.00335	"	"	"	"	"	
Benzo(a)pyrene	0.0346	0.00234	0.00335	"	"	"	"	"	
Benzo(b)fluoranthene	0.0349	0.00293	0.00335	"	"	"	"	"	
Benzo(k)fluoranthene	0.0152	0.00219	0.00335	"	"	"	"	"	
Chrysene	0.0338	0.00312	0.00335	"	"	"	"	"	
Dibenz(a,h)anthracene	0.0084	0.00307	0.00335	"	"	"	"	"	
Fluoranthene	0.0626	0.00197	0.00335	"	"	"	"	"	
Fluorene	0.00298	0.00143	0.00335	"	"	"	"	"	J
Indeno(1,2,3-cd)pyrene	0.0293	0.00314	0.00335	"	"	"	"	"	
Naphthalene	ND	0.00242	0.00335	"	"	"	"	"	
Pyrene	0.0712	0.00322	0.00335	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	75.8 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	83.3 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	63.9 %	29-110	"	"	"

**Total Metals by 6020B**

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-B14@8'

3/15/2022 3:06:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y203389-04 (Soil)

## Total Metals by 6020B

Selenium	ND	0.103	0.25	mg/Kg	5	L605626	03/18/2022	03/20/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-B15@8'  
3/15/2022 3:08:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203389-05 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2C1529	03/15/2022	03/16/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 66.1 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2C1532	03/15/2022	03/15/2022	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 107 % 70-130 " " "  
Surrogate: Toluene-d8 101 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 102 % 70-130 " " "

**PAH by 8270D SIM**

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-B15@8'  
3/15/2022 3:08:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y203389-05 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.00182	0.00335	mg/Kg	5	L606290	03/22/2022	03/23/2022	
2-Methylnaphthalene	ND	0.00323	0.00335	"	"	"	"	"	
Acenaphthene	ND	0.00152	0.00335	"	"	"	"	"	
Anthracene	0.00487	0.00167	0.00335	"	"	"	"	"	
Benzo(a)anthracene	0.0194	0.00247	0.00335	"	"	"	"	"	
Benzo(a)pyrene	0.0259	0.00234	0.00335	"	"	"	"	"	
Benzo(b)fluoranthene	0.022	0.00293	0.00335	"	"	"	"	"	
Benzo(k)fluoranthene	0.00688	0.00219	0.00335	"	"	"	"	"	
Chrysene	0.0204	0.00312	0.00335	"	"	"	"	"	
Dibenz(a,h)anthracene	0.00547	0.00307	0.00335	"	"	"	"	"	B
Fluoranthene	0.0249	0.00197	0.00335	"	"	"	"	"	
Fluorene	0.00295	0.00143	0.00335	"	"	"	"	"	J
Indeno(1,2,3-cd)pyrene	0.0168	0.00314	0.00335	"	"	"	"	"	
Naphthalene	ND	0.00242	0.00335	"	"	"	"	"	
Pyrene	0.0407	0.00322	0.00335	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	57.2 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	69.4 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	48.3 %	29-110	"	"	"

**Total Metals by 6020B**

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-B15@8'

3/15/2022 3:08:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y203389-05 (Soil)

## Total Metals by 6020B

Selenium	ND	0.103	0.25	mg/Kg	5	L605626	03/18/2022	03/20/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-B16@8'  
3/15/2022 3:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y203389-06 (Soil)

## DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2C1529	03/15/2022	03/16/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 52.9 % 50-150 " " "

## GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.00430	0.00200	mg/kg	1	B2C1532	03/15/2022	03/15/2022	
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	1.36	0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4 114 % 70-130 " " "  
Surrogate: Toluene-d8 92.6 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 121 % 70-130 " " "

## PAH by 8270D SIM

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-B16@8'  
3/15/2022 3:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y203389-06 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	0.0103	0.00182	0.00335	mg/Kg	5	L606290	03/22/2022	03/23/2022	
2-Methylnaphthalene	0.0169	0.00323	0.00335	"	"	"	"	"	
Acenaphthene	ND	0.00152	0.00335	"	"	"	"	"	
Anthracene	ND	0.00167	0.00335	"	"	"	"	"	
Benzo(a)anthracene	ND	0.00247	0.00335	"	"	"	"	"	
Benzo(a)pyrene	0.0031	0.00234	0.00335	"	"	"	"	"	J
Benzo(b)fluoranthene	0.00342	0.00293	0.00335	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.00219	0.00335	"	"	"	"	"	
Chrysene	ND	0.00312	0.00335	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.00307	0.00335	"	"	"	"	"	
Fluoranthene	0.00316	0.00197	0.00335	"	"	"	"	"	J
Fluorene	ND	0.00143	0.00335	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00314	0.00335	"	"	"	"	"	
Naphthalene	ND	0.00242	0.00335	"	"	"	"	"	
Pyrene	0.00368	0.00322	0.00335	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	41.8 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	59.1 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	34.8 %	29-110	"	"	"

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-B16@8'

3/15/2022 3:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y203389-06 (Soil)

## Total Metals by 6020B

Selenium	ND	0.103	0.25	mg/Kg	5	L605626	03/18/2022	03/20/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-B17@8'  
3/15/2022 3:12:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y203389-07 (Soil)

## DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B2C1529	03/15/2022	03/16/2022	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	72.3 %	50-150	"	"	"
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## GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2C1532	03/15/2022	03/15/2022	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	3.32	0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	105 %	70-130	"	"	"
Surrogate: Toluene-d8	99.8 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	121 %	70-130	"	"	"

## PAH by 8270D SIM

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-B17@8'

3/15/2022 3:12:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y203389-07 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.00182	0.00335	mg/Kg	5	L606290	03/22/2022	03/23/2022
2-Methylnaphthalene	0.00343	0.00323	0.00335	"	"	"	"	"
Acenaphthene	ND	0.00152	0.00335	"	"	"	"	"
Anthracene	ND	0.00167	0.00335	"	"	"	"	"
Benzo(a)anthracene	0.00825	0.00247	0.00335	"	"	"	"	"
Benzo(a)pyrene	0.0119	0.00234	0.00335	"	"	"	"	"
Benzo(b)fluoranthene	0.0109	0.00293	0.00335	"	"	"	"	"
Benzo(k)fluoranthene	0.00364	0.00219	0.00335	"	"	"	"	"
Chrysene	0.00836	0.00312	0.00335	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.00307	0.00335	"	"	"	"	"
Fluoranthene	0.00933	0.00197	0.00335	"	"	"	"	"
Fluorene	ND	0.00143	0.00335	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	0.00729	0.00314	0.00335	"	"	"	"	"
Naphthalene	ND	0.00242	0.00335	"	"	"	"	"
Pyrene	0.0153	0.00322	0.00335	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	51.5 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	72.3 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	46 %	29-110	"	"	"

**Total Metals by 6020B**

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-B17@8'

3/15/2022 3:12:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y203389-07 (Soil)

## Total Metals by 6020B

Selenium	0.444	0.103	0.25	mg/Kg	5	L605946	03/21/2022	03/25/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-B18@8'  
3/15/2022 3:14:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y203389-08 (Soil)

## DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2C1529	03/15/2022	03/16/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 69.8 % 50-150 " " "

## GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.00436	0.00200	mg/kg	1	B2C1532	03/15/2022	03/15/2022	
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	0.407	0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4 104 % 70-130 " " "  
Surrogate: Toluene-d8 99.5 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 108 % 70-130 " " "

## PAH by 8270D SIM

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-B18@8'  
3/15/2022 3:14:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y203389-08 (Soil)

## PAH by 8270D SIM

1-Methylnaphthalene	0.00902	0.000364	0.00067	mg/Kg	1	L606290	03/22/2022	03/23/2022	
2-Methylnaphthalene	0.014	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	0.0011	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	0.00113	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	0.000521	0.000437	0.00067	"	"	"	"	"	J
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"	
Fluorene	0.000452	0.000286	0.00067	"	"	"	"	"	J
Indeno(1,2,3-cd)pyrene	0.00142	0.000627	0.00067	"	"	"	"	"	
Naphthalene	0.000848	0.000484	0.00067	"	"	"	"	"	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	67.6 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	79.7 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	54.8 %	29-110	"	"	"

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-B18@8'

3/15/2022 3:14:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y203389-08 (Soil)

## Total Metals by 6020B

Selenium	ND	0.103	0.25	mg/Kg	5	L605626	03/18/2022	03/20/2022	
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-B19@8'  
3/15/2022 3:16:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203389-09 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2C1529	03/15/2022	03/16/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 74.3 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	0.0120	0.00200	mg/kg	1	B2C1532	03/15/2022	03/16/2022	
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	13.3	0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4 100 % 70-130 " " "  
Surrogate: Toluene-d8 98.3 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 194 % 70-130 " " " S-GC

**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

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-B19@8'  
3/15/2022 3:16:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y203389-09 (Soil)

## PAH by 8270D-SIM

1-Methylnaphthalene	0.00497	0.000364	0.00067	mg/Kg	1	L606852	03/24/2022	03/24/2022	
2-Methylnaphthalene	0.00602	0.000645	0.00067	"	"	"	"	"	
Acenaphthene	0.000537	0.000304	0.00067	"	"	"	"	"	J
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	0.000815	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	0.00135	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	0.00102	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	0.00124	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	0.000785	0.000627	0.00067	"	"	"	"	"	B
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	68.5 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	72.4 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	63 %	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

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-B19@8'

3/15/2022 3:16:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y203389-09 (Soil)

## Total Metals by 6020B

Selenium	ND	0.103	0.25	mg/Kg	5	L605626	03/18/2022	03/20/2022
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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

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-N09@4'  
3/15/2022 3:18:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203389-10 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2C1529	03/15/2022	03/16/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 66.9 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2C1532	03/15/2022	03/16/2022	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 98.4 % 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

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-N09@4'

3/15/2022 3:18:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y203389-10 (Soil)**

**PAH by 8270D-SIM**

1-Methylnaphthalene	ND	0.00182	0.00335	mg/Kg	5	L606852	03/24/2022	03/24/2022
2-Methylnaphthalene	ND	0.00323	0.00335	"	"	"	"	"
Acenaphthene	ND	0.00152	0.00335	"	"	"	"	"
Anthracene	ND	0.00167	0.00335	"	"	"	"	"
Benzo(a)anthracene	ND	0.00247	0.00335	"	"	"	"	"
Benzo(a)pyrene	ND	0.00234	0.00335	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.00293	0.00335	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.00219	0.00335	"	"	"	"	"
Chrysene	ND	0.00312	0.00335	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.00307	0.00335	"	"	"	"	"
Fluoranthene	ND	0.00197	0.00335	"	"	"	"	"
Fluorene	ND	0.00143	0.00335	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.00314	0.00335	"	"	"	"	"
Naphthalene	ND	0.00242	0.00335	"	"	"	"	"
Pyrene	ND	0.00322	0.00335	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	66 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	79.2 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	56.3 %	29-110	"	"	"

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-N09@4'

3/15/2022 3:18:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y203389-10 (Soil)

## Total Metals by 6020B

Selenium	ND	0.103	0.25	mg/Kg	5	L605626	03/18/2022	03/20/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-E05@4'  
3/15/2022 3:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203389-11 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2C1529	03/15/2022	03/16/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 76.8 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2C1532	03/15/2022	03/16/2022	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 104 % 70-130 " " "  
Surrogate: Toluene-d8 101 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 99.6 % 70-130 " " "

**PAH by 8270D-SIM**

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-E05@4'  
3/15/2022 3:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y203389-11 (Soil)**

**PAH by 8270D-SIM**

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L606852	03/24/2022	03/24/2022	
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"	
Acenaphthene	0.00199	0.000304	0.00067	"	"	"	"	"	
Anthracene	0.00646	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	0.0213	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	0.022	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	0.0258	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	0.0195	0.000437	0.00067	"	"	"	"	"	
Chrysene	0.0212	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	0.00328	0.000614	0.00067	"	"	"	"	"	B
Fluoranthene	0.0166	0.000394	0.00067	"	"	"	"	"	
Fluorene	0.00168	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	0.0133	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"	
Pyrene	0.0429	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	57.4 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	61.3 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	50.2 %	29-110	"	"	"

**Total Metals by 6020B**

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-E05@4'

3/15/2022 3:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y203389-11 (Soil)

## Total Metals by 6020B

Selenium	ND	0.103	0.25	mg/Kg	5	L605626	03/18/2022	03/20/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-E06@4'  
3/15/2022 3:22:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203389-12 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND		25.0	mg/kg	1	B2C1530	03/15/2022	03/16/2022	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

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

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2C1532	03/15/2022	03/16/2022	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 103 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 97.9 % 70-130 " " "

**PAH by 8270D-SIM**

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-E06@4'  
3/15/2022 3:22:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y203389-12 (Soil)**

**PAH by 8270D-SIM**

1-Methylnaphthalene	ND	0.00182	0.00335	mg/Kg	5	L606852	03/24/2022	03/24/2022	
2-Methylnaphthalene	ND	0.00323	0.00335	"	"	"	"	"	
Acenaphthene	ND	0.00152	0.00335	"	"	"	"	"	
Anthracene	0.00568	0.00167	0.00335	"	"	"	"	"	
Benzo(a)anthracene	0.0227	0.00247	0.00335	"	"	"	"	"	
Benzo(a)pyrene	0.0286	0.00234	0.00335	"	"	"	"	"	
Benzo(b)fluoranthene	0.0455	0.00293	0.00335	"	"	"	"	"	
Benzo(k)fluoranthene	0.0346	0.00219	0.00335	"	"	"	"	"	
Chrysene	0.0262	0.00312	0.00335	"	"	"	"	"	
Dibenz(a,h)anthracene	0.0063	0.00307	0.00335	"	"	"	"	"	B
Fluoranthene	0.042	0.00197	0.00335	"	"	"	"	"	
Fluorene	ND	0.00143	0.00335	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	0.0187	0.00314	0.00335	"	"	"	"	"	
Naphthalene	ND	0.00242	0.00335	"	"	"	"	"	
Pyrene	0.0485	0.00322	0.00335	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	61.2 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	72.4 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	48.5 %	29-110	"	"	"

**Total Metals by 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

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-E06@4'

3/15/2022 3:22:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y203389-12 (Soil)

## Total Metals by 6020B

Selenium	ND	0.103	0.25	mg/Kg	5	L605626	03/18/2022	03/20/2022	
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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

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-E07@4'  
3/15/2022 3:24:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203389-13 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2C1530	03/15/2022	03/16/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 73.4 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2C1532	03/15/2022	03/16/2022	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 100 % 70-130 " " "  
Surrogate: Toluene-d8 107 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 97.6 % 70-130 " " "

**PAH by 8270D-SIM**

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-E07@4'

3/15/2022 3:24:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y203389-13 (Soil)**

**PAH by 8270D-SIM**

1-Methylnaphthalene	ND	0.00182	0.00335	mg/Kg	5	L606852	03/24/2022	03/24/2022	
2-Methylnaphthalene	ND	0.00323	0.00335	"	"	"	"	"	
Acenaphthene	0.00248	0.00152	0.00335	"	"	"	"	"	J
Anthracene	0.00979	0.00167	0.00335	"	"	"	"	"	
Benzo(a)anthracene	0.0366	0.00247	0.00335	"	"	"	"	"	
Benzo(a)pyrene	0.0445	0.00234	0.00335	"	"	"	"	"	
Benzo(b)fluoranthene	0.0667	0.00293	0.00335	"	"	"	"	"	
Benzo(k)fluoranthene	0.0507	0.00219	0.00335	"	"	"	"	"	
Chrysene	0.0389	0.00312	0.00335	"	"	"	"	"	
Dibenz(a,h)anthracene	0.00661	0.00307	0.00335	"	"	"	"	"	
Fluoranthene	0.0609	0.00197	0.00335	"	"	"	"	"	
Fluorene	0.00275	0.00143	0.00335	"	"	"	"	"	J
Indeno(1,2,3-cd)pyrene	0.031	0.00314	0.00335	"	"	"	"	"	
Naphthalene	ND	0.00242	0.00335	"	"	"	"	"	
Pyrene	0.0716	0.00322	0.00335	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	67.2 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	76 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	55.3 %	29-110	"	"	"

**Total Metals by 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

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-E07@4'

3/15/2022 3:24:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y203389-13 (Soil)

## Total Metals by 6020B

Selenium	ND	0.103	0.25	mg/Kg	5	L605626	03/18/2022	03/20/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-E08@4'  
3/15/2022 3:26:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203389-14 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2C1530	03/15/2022	03/16/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 74.3 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2C1532	03/15/2022	03/16/2022	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 100 % 70-130 " " "  
Surrogate: Toluene-d8 106 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 99.0 % 70-130 " " "

**PAH by 8270D-SIM**

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-E08@4'  
3/15/2022 3:26:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y203389-14 (Soil)**

**PAH by 8270D-SIM**

1-Methylnaphthalene	0.000731	0.000364	0.00067	mg/Kg	1	L606852	03/24/2022	03/24/2022
2-Methylnaphthalene	0.000897	0.000645	0.00067	"	"	"	"	"
Acenaphthene	0.00217	0.000304	0.00067	"	"	"	"	"
Anthracene	0.00934	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	0.03	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	0.0319	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	0.0522	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	0.0396	0.000437	0.00067	"	"	"	"	"
Chrysene	0.0353	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	0.00805	0.000614	0.00067	"	"	"	"	"
Fluoranthene	0.0619	0.000394	0.00067	"	"	"	"	"
Fluorene	0.00258	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	0.0196	0.000627	0.00067	"	"	"	"	"
Naphthalene	0.000982	0.000484	0.00067	"	"	"	"	"
Pyrene	0.0673	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	60.6 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	66.4 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	53.2 %	29-110	"	"	"

**Total Metals by 6020B**

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-E08@4'

3/15/2022 3:26:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y203389-14 (Soil)

## Total Metals by 6020B

Selenium	ND	0.103	0.25	mg/Kg	5	L605626	03/18/2022	03/20/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-E09@4'  
3/15/2022 3:28:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203389-15 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2C1530	03/15/2022	03/16/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 71.7 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2C1532	03/15/2022	03/16/2022	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 104 % 70-130 " " "  
Surrogate: Toluene-d8 102 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 98.5 % 70-130 " " "

**PAH by 8270D-SIM**

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-E09@4'

3/15/2022 3:28:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y203389-15 (Soil)**

**PAH by 8270D-SIM**

1-Methylnaphthalene	ND	0.00364	0.0067	mg/Kg	10	L606852	03/24/2022	03/24/2022
2-Methylnaphthalene	ND	0.00645	0.0067	"	"	"	"	"
Acenaphthene	ND	0.00304	0.0067	"	"	"	"	"
Anthracene	0.0115	0.00334	0.0067	"	"	"	"	"
Benzo(a)anthracene	0.0316	0.00493	0.0067	"	"	"	"	"
Benzo(a)pyrene	0.039	0.00468	0.0067	"	"	"	"	"
Benzo(b)fluoranthene	0.0654	0.00585	0.0067	"	"	"	"	"
Benzo(k)fluoranthene	0.0496	0.00437	0.0067	"	"	"	"	"
Chrysene	0.036	0.00624	0.0067	"	"	"	"	"
Dibenz(a,h)anthracene	0.00945	0.00614	0.0067	"	"	"	"	"
Fluoranthene	0.0648	0.00394	0.0067	"	"	"	"	"
Fluorene	ND	0.00286	0.0067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	0.0274	0.00627	0.0067	"	"	"	"	"
Naphthalene	ND	0.00484	0.0067	"	"	"	"	"
Pyrene	0.088	0.00643	0.0067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	63.9 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	83.1 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	49.4 %	29-110	"	"	"

**Total Metals by 6020B**

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-E09@4'

3/15/2022 3:28:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y203389-15 (Soil)

## Total Metals by 6020B

Selenium	1.35	0.103	0.25	mg/Kg	5	L605627	03/18/2022	03/24/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-E10@4'  
3/15/2022 3:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203389-16 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2C1530	03/15/2022	03/16/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

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

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2C1532	03/15/2022	03/16/2022	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 103 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 99.4 % 70-130 " " "

**PAH by 8270D-SIM**

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-E10@4'  
3/15/2022 3:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y203389-16 (Soil)**

**PAH by 8270D-SIM**

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L606852	03/24/2022	03/24/2022	
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"	
Acenaphthene	0.000609	0.000304	0.00067	"	"	"	"	"	J
Anthracene	0.00196	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	0.00948	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	0.0115	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	0.0149	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	0.0113	0.000437	0.00067	"	"	"	"	"	
Chrysene	0.0101	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	0.00251	0.000614	0.00067	"	"	"	"	"	B
Fluoranthene	0.012	0.000394	0.00067	"	"	"	"	"	
Fluorene	0.000508	0.000286	0.00067	"	"	"	"	"	J
Indeno(1,2,3-cd)pyrene	0.00743	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"	
Pyrene	0.0209	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	68 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	72.9 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	60.7 %	29-110	"	"	"

**Total Metals by 6020B**

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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6855 West 119th Avenue  
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Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

PIT-E10@4'

3/15/2022 3:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y203389-16 (Soil)

## Total Metals by 6020B

Selenium	1.65	0.103	0.25	mg/Kg	5	L605627	03/18/2022	03/24/2022
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Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
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
<b>Batch B2C1529 - EPA 3550B</b>										
<b>Blank (B2C1529-BLK1)</b>					Prepared: 03/15/2022 Analyzed: 03/16/2022					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	22		"	24.9		87.8	50-150			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
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
<b>Batch B2C1529 - EPA 3550B</b>										
<b>LCS (B2C1529-BS1)</b>					Prepared: 03/15/2022 Analyzed: 03/16/2022					
Diesel (C10-C28)	1140	50.0	mg/kg	1000		114	70-130			
Residual Range Organics (C28-C40)	1020	200	"	1000		102	70-130			
Surrogate: o-Terphenyl	42		"	49.8		84.9	50-150			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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6855 West 119th Avenue  
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Mike Jahn  
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
<b>Batch B2C1529 - EPA 3550B</b>										
<b>Matrix Spike (B2C1529-MS1)</b>		<b>Source: Y203386-02</b>			Prepared: 03/15/2022 Analyzed: 03/16/2022					
Diesel (C10-C28)	1090	50.0	mg/kg	1000	ND	109	70-130			
Residual Range Organics (C28-C40)	1030	200	"	1000	ND	103	70-130			
Surrogate: o-Terphenyl	40		"	49.8		80.9	50-150			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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6855 West 119th Avenue  
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Mike Jahn  
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
<b>Batch B2C1529 - EPA 3550B</b>										
<b>Matrix Spike Dup (B2C1529-MSD1)</b>	<b>Source: Y203386-02</b>				Prepared: 03/15/2022 Analyzed: 03/16/2022					
Diesel (C10-C28)	1110	50.0	mg/kg	1000	ND	111	70-130	2.26	35	
Residual Range Organics (C28-C40)	1080	200	"	1000	ND	108	70-130	5.10	35	
Surrogate: o-Terphenyl	41		"	49.8		83.4	50-150			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
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
<b>Batch B2C1530 - EPA 3550B</b>										
<b>Blank (B2C1530-BLK1)</b>					Prepared: 03/15/2022 Analyzed: 03/16/2022					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	20		"	24.9		80.1	50-150			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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6855 West 119th Avenue  
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Mike Jahn  
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
<b>Batch B2C1530 - EPA 3550B</b>										
<b>LCS (B2C1530-BS1)</b>					Prepared: 03/15/2022 Analyzed: 03/16/2022					
Diesel (C10-C28)	1110	50.0	mg/kg	1000		111	70-130			
Residual Range Organics (C28-C40)	950	200	"	1000		95.0	70-130			
Surrogate: o-Terphenyl	41		"	49.8		81.5	50-150			

Origins Laboratory, Inc.



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Mike Jahn  
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
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**Batch B2C1530 - EPA 3550B**

Matrix Spike (B2C1530-MS1)		Source: Y203389-12			Prepared: 03/15/2022 Analyzed: 03/16/2022					
Diesel (C10-C28)	1110	50.0	mg/kg	1000	ND	111	70-130			
Residual Range Organics (C28-C40)	1020	200	"	1000	ND	102	70-130			
Surrogate: o-Terphenyl	45		"	49.8		90.3	50-150			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Mike Jahn  
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
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**Batch B2C1530 - EPA 3550B**

Matrix Spike Dup (B2C1530-MSD1)		Source: Y203389-12			Prepared: 03/15/2022 Analyzed: 03/16/2022					
Diesel (C10-C28)	1160	50.0	mg/kg	1000	ND	116	70-130	4.70	35	
Residual Range Organics (C28-C40)	1070	200	"	1000	ND	107	70-130	4.70	35	
Surrogate: o-Terphenyl	42		"	49.8		83.6	50-150			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
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
<b>Batch B2C1532 - EPA 5030 (soil)</b>										
<b>Blank (B2C1532-BLK1)</b>					Prepared: 03/15/2022 Analyzed: 03/15/2022					
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		93.1	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		103	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		95.6	70-130			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
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 B2C1532 - EPA 5030 (soil)</b>										
<b>LCS (B2C1532-BS1)</b>					Prepared: 03/15/2022 Analyzed: 03/15/2022					
1,2,4-Trimethylbenzene	0.0945	0.00200	mg/kg	0.100		94.5	70-130			
1,3,5-Trimethylbenzene	0.0982	0.00200	"	0.100		98.2	70-130			
Benzene	0.0871	0.00200	"	0.100		87.1	70-130			
Ethylbenzene	0.0988	0.00200	"	0.100		98.8	70-130			
Naphthalene	0.0877	0.0100	"	0.100		87.7	70-130			
Toluene	0.0869	0.00200	"	0.100		86.9	70-130			
o-Xylene	0.0970	0.00200	"	0.100		97.0	70-130			
m,p-Xylene	0.194	0.00400	"	0.200		96.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		91.7	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		106	70-130			

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**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 B2C1532 - EPA 5030 (soil)</b>										
<b>Matrix Spike (B2C1532-MS1)</b>		<b>Source: Y203389-01</b>			Prepared: 03/15/2022 Analyzed: 03/16/2022					
1,2,4-Trimethylbenzene	0.0756	0.00200	mg/kg	0.100	ND	75.6	70-130			
1,3,5-Trimethylbenzene	0.0779	0.00200	"	0.100	ND	77.9	70-130			
Benzene	0.0855	0.00200	"	0.100	ND	85.5	70-130			
Ethylbenzene	0.0868	0.00200	"	0.100	ND	86.8	70-130			
Naphthalene	0.0536	0.0100	"	0.100	ND	53.6	70-130			QM-07
Toluene	0.0800	0.00200	"	0.100	ND	80.0	70-130			
o-Xylene	0.0837	0.00200	"	0.100	ND	83.7	70-130			
m,p-Xylene	0.169	0.00400	"	0.200	ND	84.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		105	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		104	70-130			

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Mike Jahn  
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 B2C1532 - EPA 5030 (soil)</b>										
<b>Matrix Spike Dup (B2C1532-MSD1)</b>	<b>Source: Y203389-01</b>				Prepared: 03/15/2022 Analyzed: 03/16/2022					
1,2,4-Trimethylbenzene	0.0873	0.00200	mg/kg	0.100	ND	87.3	70-130	14.3	20	
1,3,5-Trimethylbenzene	0.0889	0.00200	"	0.100	ND	88.9	70-130	13.2	20	
Benzene	0.0904	0.00200	"	0.100	ND	90.4	70-130	5.64	20	
Ethylbenzene	0.0956	0.00200	"	0.100	ND	95.6	70-130	9.72	20	
Naphthalene	0.0730	0.0100	"	0.100	ND	73.0	70-130	30.7	20	QM-07
Toluene	0.0856	0.00200	"	0.100	ND	85.6	70-130	6.79	20	
o-Xylene	0.0929	0.00200	"	0.100	ND	92.9	70-130	10.4	20	
m,p-Xylene	0.185	0.00400	"	0.200	ND	92.7	70-130	9.59	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		103	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		104	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		104	70-130			

Origins Laboratory, Inc.



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L606290 - 3550B**

MSD (L 92209-MSD-L606290)		Source: 92209			Prepared: 03/22/2022 Analyzed: 03/23/2022					
2-Methylnaphthalene	0.13	0.0129	mg/Kg	0.166	0.0547	45.3	30-130	0	30	
Benzo(k)fluoranthene	0.088	0.00874	"	0.166	<0.00874	53	30-130	3.9	30	
Pyrene	0.153	0.0129	"	0.166	0.0738	47.7	30-130	0.6	30	
Naphthalene	0.102	0.00968	"	0.166	0.0127	53.7	30-130	0.9	30	
1-Methylnaphthalene	0.125	0.00728	"	0.166	0.0304	56.9	30-130	1.6	30	
Indeno(1,2,3-cd)pyrene	0.113	0.0125	"	0.166	<0.0125	68	30-130	23.6	30	
Fluorene	0.153	0.00572	"	0.166	0.0476	63.4	30-130	1.9	30	
Fluoranthene	0.131	0.00788	"	0.166	0.0111	72.2	30-130	8.7	30	
Benzo(a)anthracene	0.141	0.00986	"	0.166	0.0174	74.4	30-130	6.5	30	
Dibenz(a,h)anthracene	0.103	0.0123	"	0.166	<0.0123	62	30-130	8.6	30	
Acenaphthene	0.118	0.00608	"	0.166	0.0198	59.1	30-130	4.3	30	
Anthracene	0.117	0.00668	"	0.166	<0.00668	70.4	30-130	9.8	30	
Benzo(a)pyrene	0.117	0.00936	"	0.166	<0.00936	70.4	30-130	3.4	30	
Benzo(b)fluoranthene	0.0965	0.0117	"	0.166	0.0203	45.9	30-130	1.7	30	
Chrysene	0.169	0.0125	"	0.166	0.134	21	30-130	4	30	*
Surrogate: 4-Terphenyl-d14	74.6		"	0.331	238	74.6	33-122			
Surrogate: 2-Fluorobiphenyl	61.9		"	0.331	205	61.9	33-115			
Surrogate: Nitrobenzene-d5	60.1		"	0.331	198	60.1	29-110			

MS (L 92209-MS-L606290)		Source: 92209			Prepared: 03/22/2022 Analyzed: 03/23/2022					
Benzo(a)pyrene	0.113	0.00936	mg/Kg	0.166	<0.00936	68	30-130			
Benzo(a)anthracene	0.132	0.00986	"	0.166	0.0174	69	30-130			

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Jen Pellegrini, Project Manager

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Broomfield CO 80020

Mike Jahn  
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
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**Batch L606290 - 3550B**

MS (L 92209-MS-L606290)		Source: 92209			Prepared: 03/22/2022 Analyzed: 03/23/2022					
2-Methylnaphthalene	0.13	0.0129	mg/Kg	0.166	0.0547	45.3	30-130			
Fluoranthene	0.12	0.00788	"	0.166	0.0111	65.6	30-130			
Benzo(k)fluoranthene	0.0846	0.00874	"	0.166	<0.00874	50.9	30-130			
Anthracene	0.106	0.00668	"	0.166	<0.00668	63.8	30-130			
Chrysene	0.176	0.0125	"	0.166	0.134	25.3	30-130			*
Dibenz(a,h)anthracene	0.0945	0.0123	"	0.166	<0.0123	56.9	30-130			
Benzo(b)fluoranthene	0.0948	0.0117	"	0.166	0.0203	44.8	30-130			
Fluorene	0.156	0.00572	"	0.166	0.0476	65.3	30-130			
Indeno(1,2,3-cd)pyrene	0.0891	0.0125	"	0.166	<0.0125	53.6	30-130			
1-Methylnaphthalene	0.123	0.00728	"	0.166	0.0304	55.7	30-130			
Pyrene	0.154	0.0129	"	0.166	0.0738	48.3	30-130			
Acenaphthene	0.113	0.00608	"	0.166	0.0198	56.1	30-130			
Naphthalene	0.103	0.00968	"	0.166	0.0127	54.3	30-130			
Surrogate: 4-Terphenyl-d14	76.1		"	0.331	238	76.1	33-122			
Surrogate: 2-Fluorobiphenyl	60.7		"	0.331	205	60.7	33-115			
Surrogate: Nitrobenzene-d5	59.8		"	0.331	198	59.8	29-110			

**LCS (LCS-L606290)**

Prepared: 03/22/2022 Analyzed: 03/23/2022

Anthracene	0.118	0.000334	mg/Kg	0.167		70.6	30-130
Fluorene	0.114	0.000286	"	0.167		68.2	30-130
1-Methylnaphthalene	0.114	0.000364	"	0.167		68.2	30-130
Pyrene	0.118	0.000643	"	0.167		70.6	30-130
Indeno(1,2,3-cd)pyrene	0.14	0.000627	"	0.167		83.8	30-130
Fluoranthene	0.122	0.000394	"	0.167		73	30-130
Dibenz(a,h)anthracene	0.142	0.000614	"	0.167		85	30-130
Chrysene	0.107	0.000624	"	0.167		64	30-130
Acenaphthene	0.102	0.000304	"	0.167		61	30-130

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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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
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**Batch L606290 - 3550B**

**LCS (LCS-L606290)**

Prepared: 03/22/2022 Analyzed: 03/23/2022

Naphthalene	0.106	0.000484	mg/Kg	0.167		63.4	30-130			
2-Methylnaphthalene	0.113	0.000645	"	0.167		67.6	30-130			
Benzo(k)fluoranthene	0.0955	0.000437	"	0.167		57.1	30-130			
Benzo(a)anthracene	0.12	0.000493	"	0.167		71.8	30-130			
Benzo(a)pyrene	0.118	0.000468	"	0.167		70.6	30-130			
Benzo(b)fluoranthene	0.115	0.000585	"	0.167		68.8	30-130			
Surrogate: 4-Terphenyl-d14	75		"	0.333		75	33-122			
Surrogate: Nitrobenzene-d5	55.8		"	0.333		55.8	29-110			
Surrogate: 2-Fluorobiphenyl	67.2		"	0.333		67.2	33-115			

**LRB (LRB-L606290)**

Prepared: 03/22/2022 Analyzed: 03/23/2022

Chrysene	ND	0.00067	mg/Kg				-			
Pyrene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00067	"				-			
Naphthalene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	0.000629	0.00067	"				-			J
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	60		"	0.333		60	29-110			

Origins Laboratory, Inc.



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L606290 - 3550B

LRB (LRB-L606290)

Prepared: 03/22/2022 Analyzed: 03/23/2022

Surrogate: 4-Terphenyl-d14	72.3		mg/Kg	0.333	72.3	33-122
Surrogate: 2-Fluorobiphenyl	69.3		"	0.333	69.3	33-115

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**Waypoint Analytical, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L606852 - 3550B**

MSD (L 92278-MSD-L606852)		Source: 92278			Prepared: 03/24/2022 Analyzed: 03/24/2022					
Benzo(a)anthracene	0.081	0.000493	mg/Kg	0.165	<0.000493	49	30-130	37.1	30	
Dibenz(a,h)anthracene	0.126	0.000614	"	0.165	<0.000614	76.3	30-130	31.4	30	
Pyrene	0.0879	0.000643	"	0.165	<0.000643	53.2	30-130	38.6	30	
Naphthalene	0.0703	0.000484	"	0.165	0.000585	42.2	30-130	47.4	30	
Indeno(1,2,3-cd)pyrene	0.129	0.000627	"	0.165	<0.000627	78.1	30-130	34.6	30	
Fluoranthene	0.0861	0.000394	"	0.165	<0.000394	52.1	30-130	39.1	30	
Chrysene	0.0758	0.000624	"	0.165	<0.000624	45.9	30-130	41	30	
Benzo(k)fluoranthene	0.0778	0.000437	"	0.165	<0.000437	47.1	30-130	33.4	30	
Benzo(b)fluoranthene	0.087	0.000585	"	0.165	<0.000585	52.7	30-130	49.3	30	
Fluorene	0.077	0.000286	"	0.165	0.00157	45.7	30-130	42	30	
1-Methylnaphthalene	0.0737	0.000364	"	0.165	0.00186	43.5	30-130	46.2	30	
Benzo(a)pyrene	0.0822	0.000468	"	0.165	<0.000468	49.8	30-130	72.4	30	
2-Methylnaphthalene	0.0786	0.000645	"	0.165	0.00543	44.3	30-130	44	30	
Anthracene	0.0783	0.000334	"	0.165	<0.000334	47.4	30-130	42.8	30	
Acenaphthene	0.0685	0.000304	"	0.165	0.000857	40.9	30-130	43.8	30	
Surrogate: Nitrobenzene-d5	56.9		"	0.33	188	56.9	29-110			
Surrogate: 2-Fluorobiphenyl	61.5		"	0.33	218	61.5	33-115			
Surrogate: 4-Terphenyl-d14	75.1		"	0.33	246	75.1	33-122			

MS (L 92278-MS-L606852)		Source: 92278			Prepared: 03/24/2022 Analyzed: 03/24/2022					
Benzo(b)fluoranthene	0.144	0.000585	mg/Kg	0.166	<0.000585	86.7	30-130			
Dibenz(a,h)anthracene	0.173	0.000614	"	0.166	<0.000614	104	30-130			
Naphthalene	0.114	0.000484	"	0.166	0.000585	68.3	30-130			
Indeno(1,2,3-cd)pyrene	0.183	0.000627	"	0.166	<0.000627	110	30-130			
Fluoranthene	0.128	0.000394	"	0.166	<0.000394	77.1	30-130			
Pyrene	0.13	0.000643	"	0.166	<0.000643	78.3	30-130			
Chrysene	0.115	0.000624	"	0.166	<0.000624	69.2	30-130			

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Jen Pellegrini, Project Manager

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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
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**Batch L606852 - 3550B**

MS (L 92278-MS-L606852)		Source: 92278			Prepared: 03/24/2022 Analyzed: 03/24/2022					
Benzo(k)fluoranthene	0.109	0.000437	mg/Kg	0.166	<0.000437	65.6	30-130			
Benzo(a)anthracene	0.118	0.000493	"	0.166	<0.000493	71	30-130			
Anthracene	0.121	0.000334	"	0.166	<0.000334	72.8	30-130			
Acenaphthene	0.107	0.000304	"	0.166	0.000857	63.9	30-130			
2-Methylnaphthalene	0.123	0.000645	"	0.166	0.00543	70.8	30-130			
1-Methylnaphthalene	0.118	0.000364	"	0.166	0.00186	69.9	30-130			
Fluorene	0.118	0.000286	"	0.166	0.00157	70.1	30-130			
Benzo(a)pyrene	0.0385	0.000468	"	0.166	<0.000468	23.1	30-130			*
Surrogate: Nitrobenzene-d5	60.5		"	0.332	188	60.5	29-110			
Surrogate: 4-Terphenyl-d14	75.3		"	0.332	246	75.3	33-122			
Surrogate: 2-Fluorobiphenyl	65		"	0.332	218	65	33-115			

LCS (LCS-L606852)		Prepared: 03/24/2022 Analyzed: 03/24/2022								
Naphthalene	0.101	0.000484	mg/Kg	0.167		60.4	30-130			
Benzo(a)anthracene	0.113	0.000493	"	0.167		67.6	30-130			
Benzo(a)pyrene	0.11	0.000468	"	0.167		65.8	30-130			
Benzo(b)fluoranthene	0.12	0.000585	"	0.167		71.8	30-130			
Benzo(k)fluoranthene	0.109	0.000437	"	0.167		65.2	30-130			
Chrysene	0.107	0.000624	"	0.167		64	30-130			
Dibenz(a,h)anthracene	0.158	0.000614	"	0.167		94.6	30-130			
Fluoranthene	0.117	0.000394	"	0.167		70	30-130			
Anthracene	0.114	0.000334	"	0.167		68.2	30-130			
Indeno(1,2,3-cd)pyrene	0.17	0.000627	"	0.167		102	30-130			
1-Methylnaphthalene	0.105	0.000364	"	0.167		62.8	30-130			
Pyrene	0.117	0.000643	"	0.167		70	30-130			
Fluorene	0.108	0.000286	"	0.167		64.6	30-130			
Acenaphthene	0.0973	0.000304	"	0.167		58.2	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

Mike Jahn  
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
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**Batch L606852 - 3550B**

**LCS (LCS-L606852)**

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

2-Methylnaphthalene	0.104	0.000645	mg/Kg	0.167		62.2	30-130			
Surrogate: Nitrobenzene-d5	60		"	0.333		60	29-110			
Surrogate: 4-Terphenyl-d14	72.3		"	0.333		72.3	33-122			
Surrogate: 2-Fluorobiphenyl	68.1		"	0.333		68.1	33-115			

**LRB (LRB-L606852)**

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

Benzo(b)fluoranthene	ND	0.00067	mg/Kg				-			
2-Methylnaphthalene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	0.000664	0.00067	"				-			J
Naphthalene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	0.000634	0.00067	"				-			J
Benzo(k)fluoranthene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Pyrene	ND	0.00067	"				-			
Surrogate: 2-Fluorobiphenyl	69		"	0.333		69	33-115			
Surrogate: 4-Terphenyl-d14	71.4		"	0.333		71.4	33-122			
Surrogate: Nitrobenzene-d5	62.7		"	0.333		62.7	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

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch L605626 - 3050B</b>										
<b>MSD (L 92230-MSD-L605626)</b>		<b>Source: Y203389-14</b>			Prepared: 03/18/2022 Analyzed: 03/20/2022					
Selenium	2.37	0.103	mg/Kg	4.73	<0.103	50	75-125	3.7	80	I*
<b>MS (L 92230-MS-L605626)</b>		<b>Source: Y203389-14</b>			Prepared: 03/18/2022 Analyzed: 03/20/2022					
Selenium	2.46	0.103	mg/Kg	4.95	<0.103	50	75-125			I*
<b>LCS (LCS-L605626)</b>		Prepared: 03/18/2022 Analyzed: 03/20/2022								
Selenium	5.11	0.103	mg/Kg	5		102	80-120			
<b>LRB (LRB-L605626)</b>		Prepared: 03/18/2022 Analyzed: 03/20/2022								
Selenium	ND	0.25	mg/Kg				-			
<b>Batch L605627 - 3050B</b>										
<b>MSD (L 92313-MSD-L605627)</b>		<b>Source: 92313</b>			Prepared: 03/18/2022 Analyzed: 03/28/2022					
Selenium	5.5	0.103	mg/Kg	4.86	0.762	97	75-125	4.4	80	
<b>MS (L 92313-MS-L605627)</b>		<b>Source: 92313</b>			Prepared: 03/18/2022 Analyzed: 03/28/2022					
Selenium	5.26	0.103	mg/Kg	4.63	0.762	97	75-125			
<b>LCS (LCS-L605627)</b>		Prepared: 03/18/2022 Analyzed: 03/24/2022								
Selenium	5	0.103	mg/Kg	5		100	80-120			
<b>LRB (LRB-L605627)</b>		Prepared: 03/18/2022 Analyzed: 03/28/2022								
Selenium	ND	0.25	mg/Kg				-			
<b>Batch L605946 - 3050B</b>										
<b>MSD (L 92710-MSD-L605946)</b>		<b>Source: 92710</b>			Prepared: 03/21/2022 Analyzed: 03/25/2022					
Selenium	3.24	0.103	mg/Kg	4.69	0.657	55	75-125	0	80	*

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch L605946 - 3050B</b>										
<b>MS (L 92710-MS-L605946)</b>					<b>Source: 92710</b>					Prepared: 03/21/2022 Analyzed: 03/25/2022
Selenium	3.24	0.103	mg/Kg	4.68	0.657	55	75-125			*
<b>LCS (LCS-L605946)</b>										Prepared: 03/21/2022 Analyzed: 03/25/2022
Selenium	4.8	0.103	mg/Kg	5		96	80-120			
<b>LRB (LRB-L605946)</b>										Prepared: 03/21/2022 Analyzed: 03/25/2022
Selenium	ND	0.25	mg/Kg				-			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Mike Jahn  
Project Number: 90406875  
Project: KMG - West farms 2-14A

## Notes and Definitions

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

Origins Laboratory, Inc.



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.*





April 04, 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. March 22, 2022. This project is associated with Origins project number Y203523-01.

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-B20@8'	Y203523-01	Soil	March 22, 2022 10:30	03/22/2022 15:04
Pit-B21@8'	Y203523-02	Soil	March 22, 2022 10:35	03/22/2022 15:04
Pit-B22@8'	Y203523-03	Soil	March 22, 2022 10:40	03/22/2022 15:04
Pit-B23@10'	Y203523-04	Soil	March 22, 2022 10:45	03/22/2022 15:04
Pit-B24@8'	Y203523-05	Soil	March 22, 2022 10:50	03/22/2022 15:04
Pit-B25@8'	Y203523-06	Soil	March 22, 2022 10:55	03/22/2022 15:04
Pit-B26@8'	Y203523-07	Soil	March 22, 2022 11:00	03/22/2022 15:04
Pit-B27@8'	Y203523-08	Soil	March 22, 2022 11:05	03/22/2022 15:04
Pit-B28@8'	Y203523-09	Soil	March 22, 2022 11:10	03/22/2022 15:04
Pit-N10@5'	Y203523-10	Soil	March 22, 2022 11:15	03/22/2022 15:04
Pit-S09@5'	Y203523-11	Soil	March 22, 2022 11:30	03/22/2022 15:04
Pit-S10@5'	Y203523-12	Soil	March 22, 2022 11:35	03/22/2022 15:04
Pit-W11@5'	Y203523-13	Soil	March 22, 2022 11:40	03/22/2022 15:04
Pit-W12@5'	Y203523-14	Soil	March 22, 2022 11:45	03/22/2022 15:04

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

### CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Pit-W13@5'	Y203523-15	Soil	March 22, 2022 11:50	03/22/2022 15:04
Pit-W14@5'	Y203523-16	Soil	March 22, 2022 11:55	03/22/2022 15:04
Pit-S07@5'	Y203523-17	Soil	March 22, 2022 11:20	03/22/2022 15:04
Pit-S08@5'	Y203523-18	Soil	March 22, 2022 11:25	03/22/2022 15:04

Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

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page 1 of 2

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

Client: DXY / Tasman  
Address:  
Telephone Number:  
Email Address: asagen@tasman-geo.com

Project Manager: Andy Sagen  
Project Name: West Farms 2-14A  
Project Number: 90406875  
Samples Collected By: SK / RD

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	Al Summa #	Other	C-6 TEX N	DPO/CCO	TMB		PAHs	Stronium	
PIT-B20 @ 8'	3-22-22	10:30	2	X						X								
PIT-B21 @ 8'	3-22-22	10:35	2															
PIT-B22 @ 8'		10:40	1															
PIT-B23 @ 8'	3-22-22	10:45																
PIT-B24 @ 8'		10:50																
PIT-B25 @ 8'		10:55																
PIT-B26 @ 8'		11:00																
PIT-B27 @ 8'		11:05																
PIT-B28 @ 8'		11:10																
PIT-N10 @ 5'		11:15																
Relinquished By: Pat Dwyer	Date: 3-22-22	Time: 1504		Received By: [Signature]	Date: 3/22/22	Time: 1504		Received By: [Signature]	Date: 3/22/22	Time: 1504		Turnaround Time: 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: 10.1 Date Results Needed

Handwritten notes: Sample ID Relinquished per Eric's email 5 on 3/23 pm

Origins Laboratory, Inc.

*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

www.originslaboratory.com

Y70523

page 2 of 2

ORIGINS  
LABORATORY, INC

Client: OXY/Tasman  
Address:  
Telephone Number:  
Email Address: a.sagen@tasman-geo.com

Project Manager: Andy Sagen  
Project Name: West Farms 2-14A  
Project Number: 90406875  
Samples Collected By: SK/PO

Fax: 303.265.9645

Sample ID Description	Date Sampled	Time Sampled	Preservative				Matrix			Analysis				Sample Instructions
			Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater	Soil	At Summa #	Other	Geo/Env	TMBS	PAHs	
PIT 509 @ 5'	3-22-22	11:30	X				X							1
PIT 510 @ 5'		11:35												2
PIT 511 @ 5'		11:40												3
PIT 512 @ 5'		11:45												4
PIT 513 @ 5'		11:50												5
PIT 514 @ 5'		11:55												6
PIT 507 @ 5'		11:20												7
PIT 508 @ 5'		11:25												8
														9
														10

Added Final 2 samples  
per phone call w/ Pat 3/22/22

Relinquished By:	Date:	Time:	Received By:	Date:	Time:	Turnaround Time:
Pat Sagen	3-22-22	1504	[Signature]	3/22/22	1504	Some Day <input checked="" type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> Standard <input type="checkbox"/>

Date Results Needed

Temp Received- 10.1

Origins Laboratory, Inc.

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: 4203523

Client: Tasman

Client Project ID: West Farms 2-14A

Checklist Completed by: SG

Shipped Via: HD

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

Date/time completed: 3/22/22

Airbill #: N/A

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

☐ Water

☐ Other:

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

Thermometer ID: T004

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"/>		<u>Same Day</u>
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Were all samples received intact <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)

3/22/22  
Date/Time Reviewed

Origins Laboratory, Inc.

*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

Pit-B20@8'

3/22/2022 10:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203523-01 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2C2229	03/22/2022	03/22/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 114 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	0.00352	0.00200	mg/kg	1	B2C2228	03/22/2022	03/22/2022	
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	1.07	0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4 98.0 % 70-130 " " "

Surrogate: Toluene-d8 97.7 % 70-130 " " "

Surrogate: 4-Bromofluorobenzene 108 % 70-130 " " "

**PAH by 8270D SIM**

Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-B20@8'

3/22/2022 10:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y203523-01 (Soil)

## PAH by 8270D SIM

1-Methylnaphthalene	0.00104	0.000364	0.00067	mg/Kg	1	L606713	03/24/2022	03/28/2022	
2-Methylnaphthalene	0.00231	0.000645	0.00067	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	0.000626	0.000493	0.00067	"	"	"	"	"	J
Benzo(a)pyrene	0.00173	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	0.00169	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	0.000635	0.000437	0.00067	"	"	"	"	"	J
Chrysene	0.000825	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	0.00097	0.000394	0.00067	"	"	"	"	"	
Fluorene	ND	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	0.00165	0.000627	0.00067	"	"	"	"	"	
Naphthalene	0.000578	0.000484	0.00067	"	"	"	"	"	J
Pyrene	0.00125	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	62.8 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	69.5 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	50.9 %	29-110	"	"	"

## Total Metals by 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-B20@8'

3/22/2022 10:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y203523-01 (Soil)

## Total Metals by 6020B

Selenium	0.104	0.103	0.25	mg/Kg	5	L606909	03/24/2022	03/29/2022	J
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Origins Laboratory, Inc.



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



Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-B21@8'

3/22/2022 10:35:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203523-02 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2C2229	03/22/2022	03/23/2022	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	B2C2228	03/22/2022	03/22/2022	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 96.3 % 70-130 " " "  
Surrogate: Toluene-d8 99.6 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 103 % 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-B21@8'

3/22/2022 10:35:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
Y203523-02 (Soil)

**PAH by 8270D SIM**

1-Methylnaphthalene	0.00452	0.000364	0.00067	mg/Kg	1	L606713	03/24/2022	03/28/2022	
2-Methylnaphthalene	0.00969	0.000645	0.00067	"	"	"	"	"	
Acenaphthene	0.000348	0.000304	0.00067	"	"	"	"	"	J
Anthracene	0.000518	0.000334	0.00067	"	"	"	"	"	J
Benzo(a)anthracene	0.00366	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	0.00529	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	0.00526	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	0.00244	0.000437	0.00067	"	"	"	"	"	
Chrysene	0.00429	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	0.000915	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	0.00342	0.000394	0.00067	"	"	"	"	"	
Fluorene	0.000619	0.000286	0.00067	"	"	"	"	"	J
Indeno(1,2,3-cd)pyrene	0.00465	0.000627	0.00067	"	"	"	"	"	
Naphthalene	0.00105	0.000484	0.00067	"	"	"	"	"	
Pyrene	0.00569	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	68.8 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	75.8 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	56.7 %	29-110	"	"	"

**Total Metals by 6020B**

Selenium	0.439	0.103	0.25	mg/Kg	5	L606909	"	03/29/2022
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Origins Laboratory, Inc.



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

Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-B22@8'

3/22/2022 10:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203523-03 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND		25.0	mg/kg	1	B2C2229	03/22/2022	03/23/2022	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	101 %	50-150	"	"	"
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2C2228	03/22/2022	03/22/2022	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	92.5 %	70-130	"	"	"
Surrogate: Toluene-d8	106 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	99.1 %	70-130	"	"	"

**PAH by 8270D SIM**

Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-B22@8'

3/22/2022 10:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
Y203523-03 (Soil)

**PAH by 8270D SIM**

1-Methylnaphthalene	0.000659	0.000364	0.00067	mg/Kg	1	L606713	03/24/2022	03/28/2022	J
2-Methylnaphthalene	0.00158	0.000645	0.00067	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	0.000364	0.000334	0.00067	"	"	"	"	"	J
Benzo(a)anthracene	0.00857	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	0.0088	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	0.00942	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	0.00399	0.000437	0.00067	"	"	"	"	"	
Chrysene	0.00852	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	0.00501	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	0.00378	0.000394	0.00067	"	"	"	"	"	
Fluorene	ND	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	0.0115	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"	
Pyrene	0.00784	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	62.3 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	67.8 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	52 %	29-110	"	"	"

**Total Metals by 6020B**

Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-B22@8'

3/22/2022 10:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y203523-03 (Soil)

## Total Metals by 6020B

Selenium	0.105	0.103	0.25	mg/Kg	5	L606909	03/24/2022	03/29/2022	J
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Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

**Pit-B23@10'**

**3/22/2022 10:45:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203523-04 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	273		25.0	mg/kg	1	B2C2229	03/22/2022	03/23/2022	
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl 106 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	0.00860		0.00200	mg/kg	1	B2C2228	03/22/2022	03/23/2022	
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	0.00294		0.00200	"	"	"	"	"	
Gasoline Range Hydrocarbons	60.7		5.00	"	25	"	"	03/22/2022	

Surrogate: 1,2-Dichloroethane-d4 99.0 % 70-130 " " 03/23/2022  
Surrogate: Toluene-d8 100 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 228 % 70-130 " " " S-04

**PAH by 8270D SIM**

Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

**Pit-B23@10'**

**3/22/2022 10:45:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y203523-04 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	0.147	0.00182	0.00335	mg/Kg	5	L606713	03/24/2022	03/28/2022	
2-Methylnaphthalene	0.274	0.00323	0.00335	"	"	"	"	"	
Acenaphthene	0.0163	0.00152	0.00335	"	"	"	"	"	
Anthracene	0.00685	0.00167	0.00335	"	"	"	"	"	
Benzo(a)anthracene	0.00732	0.00247	0.00335	"	"	"	"	"	
Benzo(a)pyrene	0.00726	0.00234	0.00335	"	"	"	"	"	
Benzo(b)fluoranthene	0.00756	0.00293	0.00335	"	"	"	"	"	
Benzo(k)fluoranthene	0.00324	0.00219	0.00335	"	"	"	"	"	J
Chrysene	0.00834	0.00312	0.00335	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.00307	0.00335	"	"	"	"	"	
Fluoranthene	0.0414	0.00197	0.00335	"	"	"	"	"	
Fluorene	0.028	0.00143	0.00335	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	0.00485	0.00314	0.00335	"	"	"	"	"	
Naphthalene	0.00786	0.00242	0.00335	"	"	"	"	"	
Pyrene	0.0343	0.00322	0.00335	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	74.4 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	81.7 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	58.2 %	29-110	"	"	"

**Total Metals by 6020B**

Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-B23@10'

3/22/2022 10:45:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y203523-04 (Soil)

## Total Metals by 6020B

Selenium	1.37	0.103	0.25	mg/Kg	5	L606909	03/24/2022	03/29/2022	
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Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-B24@8'

3/22/2022 10:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203523-05 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2C2229	03/22/2022	03/23/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

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

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	0.00492	0.00200	mg/kg	1	B2C2228	03/22/2022	03/23/2022	
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	9.34	0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4 98.1 % 70-130 " " "  
Surrogate: Toluene-d8 99.2 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 148 % 70-130 " " " S-04

**PAH by 8270D SIM**

Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-B24@8'

3/22/2022 10:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
Y203523-05 (Soil)

**PAH by 8270D SIM**

1-Methylnaphthalene	0.000419	0.000364	0.00067	mg/Kg	1	L606713	03/24/2022	03/28/2022	J
2-Methylnaphthalene	0.000822	0.000645	0.00067	"	"	"	"	"	
Acenaphthene	0.00143	0.000304	0.00067	"	"	"	"	"	
Anthracene	0.006	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	0.0322	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	0.0344	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	0.0348	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	0.0148	0.000437	0.00067	"	"	"	"	"	
Chrysene	0.0328	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	0.00714	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	0.0435	0.000394	0.00067	"	"	"	"	"	
Fluorene	0.00149	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	0.031	0.000627	0.00067	"	"	"	"	"	
Naphthalene	0.000576	0.000484	0.00067	"	"	"	"	"	J
Pyrene	0.0569	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	68.8 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	79.3 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	56.5 %	29-110	"	"	"

**Total Metals by 6020B**

Selenium	0.202	0.103	0.25	mg/Kg	5	L606909	"	03/29/2022	J
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Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-B25@8'

3/22/2022 10:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203523-06 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2C2229	03/22/2022	03/23/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 105 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2C2228	03/22/2022	03/22/2022	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 88.9 % 70-130 " " "  
Surrogate: Toluene-d8 103 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 97.4 % 70-130 " " "

**PAH by 8270D SIM**

Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-B25@8'

3/22/2022 10:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y203523-06 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L606713	03/24/2022	03/28/2022	
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	0.000475	0.000468	0.00067	"	"	"	"	"	J
Benzo(b)fluoranthene	0.000585	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	0.000564	0.000394	0.00067	"	"	"	"	"	J
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	67 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	71.9 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	56.3 %	29-110	"	"	"

Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-B25@8'

3/22/2022 10:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y203523-06 (Soil)

## Total Metals by 6020B

Selenium	ND	0.103	0.25	mg/Kg	5	L606909	03/24/2022	03/29/2022	
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Origins Laboratory, Inc.



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

Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-B26@8'

3/22/2022 11:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203523-07 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2C2229	03/22/2022	03/23/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 96.4 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2C2228	03/22/2022	03/22/2022	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 94.4 % 70-130 " " "  
Surrogate: Toluene-d8 103 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 97.4 % 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-B26@8'

3/22/2022 11:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y203523-07 (Soil)

## PAH by 8270D SIM

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L606713	03/24/2022	03/28/2022
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	0.000714	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	0.00658	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	0.0078	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	0.00791	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	0.00335	0.000437	0.00067	"	"	"	"	"
Chrysene	0.00656	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	0.00159	0.000614	0.00067	"	"	"	"	"
Fluoranthene	0.00772	0.000394	0.00067	"	"	"	"	"
Fluorene	ND	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	0.00685	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"
Pyrene	0.0109	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	63.8 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	71.1 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	55 %	29-110	"	"	"

## Total Metals by 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-B26@8'

3/22/2022 11:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y203523-07 (Soil)

## Total Metals by 6020B

Selenium	0.751	0.103	0.25	mg/Kg	5	L606909	03/24/2022	03/29/2022	
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Origins Laboratory, Inc.



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



Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-B27@8'

3/22/2022 11:05:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203523-08 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2C2229	03/22/2022	03/23/2022	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	B2C2228	03/22/2022	03/22/2022	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 91.4 % 70-130 " " "  
Surrogate: Toluene-d8 106 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 92.8 % 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-B27@8'

3/22/2022 11:05:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y203523-08 (Soil)

## PAH by 8270D SIM

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L606713	03/24/2022	03/28/2022
2-Methylnaphthalene	0.000998	0.000645	0.00067	"	"	"	"	"
Acenaphthene	0.000689	0.000304	0.00067	"	"	"	"	"
Anthracene	0.00566	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	0.0421	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	0.0585	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	0.0591	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	0.017	0.000437	0.00067	"	"	"	"	"
Chrysene	0.0478	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	0.0115	0.000614	0.00067	"	"	"	"	"
Fluoranthene	0.0442	0.000394	0.00067	"	"	"	"	"
Fluorene	0.00131	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	0.0455	0.000627	0.00067	"	"	"	"	"
Naphthalene	0.000819	0.000484	0.00067	"	"	"	"	"
Pyrene	0.0696	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	63.3 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	70.2 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	52.7 %	29-110	"	"	"

## Total Metals by 6020B

Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-B27@8'

3/22/2022 11:05:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y203523-08 (Soil)

## Total Metals by 6020B

Selenium	0.619	0.103	0.25	mg/Kg	5	L606909	03/24/2022	03/29/2022	
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Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-B28@8'

3/22/2022 11:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203523-09 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND		25.0	mg/kg	1	B2C2229	03/22/2022	03/23/2022	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	B2C2228	03/22/2022	03/22/2022	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 95.9 % 70-130 " " "  
Surrogate: Toluene-d8 104 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 96.1 % 70-130 " " "

**PAH by 8270D SIM**

Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-B28@8'

3/22/2022 11:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y203523-09 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.00182	0.00335	mg/Kg	5	L606713	03/24/2022	03/28/2022
2-Methylnaphthalene	ND	0.00323	0.00335	"	"	"	"	"
Acenaphthene	ND	0.00152	0.00335	"	"	"	"	"
Anthracene	0.00603	0.00167	0.00335	"	"	"	"	"
Benzo(a)anthracene	0.0318	0.00247	0.00335	"	"	"	"	"
Benzo(a)pyrene	0.0339	0.00234	0.00335	"	"	"	"	"
Benzo(b)fluoranthene	0.0317	0.00293	0.00335	"	"	"	"	"
Benzo(k)fluoranthene	0.0111	0.00219	0.00335	"	"	"	"	"
Chrysene	0.0354	0.00312	0.00335	"	"	"	"	"
Dibenz(a,h)anthracene	0.00465	0.00307	0.00335	"	"	"	"	"
Fluoranthene	0.0558	0.00197	0.00335	"	"	"	"	"
Fluorene	ND	0.00143	0.00335	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	0.0169	0.00314	0.00335	"	"	"	"	"
Naphthalene	ND	0.00242	0.00335	"	"	"	"	"
Pyrene	0.0617	0.00322	0.00335	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	71.5 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	74.5 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	56.5 %	29-110	"	"	"

**Total Metals by 6020B**

Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-B28@8'

3/22/2022 11:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y203523-09 (Soil)

## Total Metals by 6020B

Selenium	0.58	0.103	0.25	mg/Kg	5	L606909	03/24/2022	03/29/2022	
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Origins Laboratory, Inc.



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

Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-N10@5'

3/22/2022 11:15:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203523-10 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2C2229	03/22/2022	03/23/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 102 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2C2228	03/22/2022	03/22/2022	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 94.2 % 70-130 " " "  
Surrogate: Toluene-d8 109 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 95.5 % 70-130 " " "

**PAH by 8270D SIM**

Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-N10@5'

3/22/2022 11:15:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y203523-10 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	0.00135	0.000364	0.00067	mg/Kg	1	L606713	03/24/2022	03/28/2022
2-Methylnaphthalene	0.00301	0.000645	0.00067	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	0.00326	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	0.0172	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	0.0347	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	0.0365	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	0.0125	0.000437	0.00067	"	"	"	"	"
Chrysene	0.0231	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	0.009	0.000614	0.00067	"	"	"	"	"
Fluoranthene	0.00929	0.000394	0.00067	"	"	"	"	"
Fluorene	0.000805	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	0.0407	0.000627	0.00067	"	"	"	"	"
Naphthalene	0.00126	0.000484	0.00067	"	"	"	"	"
Pyrene	0.0176	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	64.4 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	72.7 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	54.3 %	29-110	"	"	"

**Total Metals by 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-N10@5'

3/22/2022 11:15:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y203523-10 (Soil)

## Total Metals by 6020B

Selenium	0.653	0.103	0.25	mg/Kg	5	L606909	03/24/2022	03/29/2022	
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Origins Laboratory, Inc.



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

Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-S09@5'

3/22/2022 11:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203523-11 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND		25.0	mg/kg	1	B2C2229	03/22/2022	03/23/2022	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	B2C2228	03/22/2022	03/22/2022	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 96.4 % 70-130 " " "  
Surrogate: Toluene-d8 97.1 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 97.0 % 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-S09@5'

3/22/2022 11:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
Y203523-11 (Soil)

**PAH by 8270D SIM**

1-Methylnaphthalene	0.00252	0.000364	0.00067	mg/Kg	1	L606713	03/24/2022	03/28/2022
2-Methylnaphthalene	0.00297	0.000645	0.00067	"	"	"	"	"
Acenaphthene	0.00766	0.000304	0.00067	"	"	"	"	"
Anthracene	0.0463	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	0.177	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	0.173	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	0.17	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	0.0543	0.000437	0.00067	"	"	"	"	"
Chrysene	0.158	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	0.0327	0.000614	0.00067	"	"	"	"	"
Fluoranthene	0.22	0.000394	0.00067	"	"	"	"	"
Fluorene	0.0113	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	0.111	0.000627	0.00067	"	"	"	"	"
Naphthalene	0.00346	0.000484	0.00067	"	"	"	"	"
Pyrene	0.316	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	60.9 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	75.8 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	51.2 %	29-110	"	"	"

**Total Metals by 6020B**

Selenium	0.582	0.103	0.25	mg/Kg	5	L606909	"	03/29/2022
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Origins Laboratory, Inc.



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

Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-S10@5'

3/22/2022 11:35:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203523-12 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2C2229	03/22/2022	03/23/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 108 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2C2228	03/22/2022	03/22/2022	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 98.0 % 70-130 " " "  
Surrogate: Toluene-d8 101 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 97.6 % 70-130 " " "

**PAH by 8270D SIM**

Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-S10@5'

3/22/2022 11:35:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y203523-12 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L606713	03/24/2022	03/28/2022
2-Methylnaphthalene	0.000822	0.000645	0.00067	"	"	"	"	"
Acenaphthene	0.000965	0.000304	0.00067	"	"	"	"	"
Anthracene	0.0072	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	0.0367	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	0.0418	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	0.0383	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	0.0149	0.000437	0.00067	"	"	"	"	"
Chrysene	0.0381	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	0.00919	0.000614	0.00067	"	"	"	"	"
Fluoranthene	0.0548	0.000394	0.00067	"	"	"	"	"
Fluorene	0.0016	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	0.0344	0.000627	0.00067	"	"	"	"	"
Naphthalene	0.000913	0.000484	0.00067	"	"	"	"	"
Pyrene	0.0686	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	64.3 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	72.1 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	53.5 %	29-110	"	"	"

**Total Metals by 6020B**

Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-S10@5'

3/22/2022 11:35:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y203523-12 (Soil)

## Total Metals by 6020B

Selenium	0.768	0.103	0.25	mg/Kg	5	L606909	03/24/2022	03/29/2022	
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Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-W11@5'

3/22/2022 11:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203523-13 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND		25.0	mg/kg	1	B2C2229	03/22/2022	03/23/2022	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	107 %	50-150	"	"	"
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2C2228	03/22/2022	03/23/2022	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	95.3 %	70-130	"	"	"
Surrogate: Toluene-d8	102 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	97.9 %	70-130	"	"	"

**PAH by 8270D SIM**

Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-W11@5'

3/22/2022 11:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y203523-13 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L606713	03/24/2022	03/28/2022	
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	0.00065	0.000493	0.00067	"	"	"	"	"	J
Benzo(a)pyrene	0.00156	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	0.00165	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	0.000599	0.000437	0.00067	"	"	"	"	"	J
Chrysene	0.000912	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	0.00226	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"	
Pyrene	0.000799	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	67.3 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	71.5 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	55.3 %	29-110	"	"	"

Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-W11@5'

3/22/2022 11:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y203523-13 (Soil)

## Total Metals by 6020B

Selenium	0.414	0.103	0.25	mg/Kg	5	L606909	03/24/2022	03/29/2022	
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Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-W12@5'

3/22/2022 11:45:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203523-14 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	30.2		25.0	mg/kg	1	B2C2229	03/22/2022	03/23/2022	
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl 108 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	0.00304		0.00200	mg/kg	1	B2C2228	03/22/2022	03/23/2022	
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	0.780		0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4 99.5 % 70-130 " " "  
Surrogate: Toluene-d8 101 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 108 % 70-130 " " "

**PAH by 8270D SIM**

Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-W12@5'

3/22/2022 11:45:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y203523-14 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	0.00182	0.000364	0.00067	mg/Kg	1	L606713	03/24/2022	03/28/2022	
2-Methylnaphthalene	0.00274	0.000645	0.00067	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	0.00608	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	0.0104	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	0.00987	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	0.00966	0.000437	0.00067	"	"	"	"	"	
Chrysene	0.00938	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	0.0175	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	0.000506	0.000394	0.00067	"	"	"	"	"	J
Fluorene	0.00073	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	0.0161	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"	
Pyrene	0.00197	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	62.2 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	74 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	52.3 %	29-110	"	"	"

**Total Metals by 6020B**

Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-W12@5'

3/22/2022 11:45:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y203523-14 (Soil)

## Total Metals by 6020B

Selenium	0.792	0.103	0.25	mg/Kg	5	L606909	03/24/2022	03/29/2022	
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Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-W13@5'

3/22/2022 11:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203523-15 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2C2229	03/22/2022	03/23/2022	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	B2C2228	03/22/2022	03/23/2022	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 99.3 % 70-130 " " "  
Surrogate: Toluene-d8 103 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 98.7 % 70-130 " " "

**PAH by 8270D SIM**

Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-W13@5'

3/22/2022 11:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y203523-15 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	0.000919	0.000364	0.00067	mg/Kg	1	L606713	03/24/2022	03/28/2022
2-Methylnaphthalene	0.00135	0.000645	0.00067	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	0.00215	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	0.0169	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	0.0253	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	0.0223	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	0.00624	0.000437	0.00067	"	"	"	"	"
Chrysene	0.0194	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	0.00419	0.000614	0.00067	"	"	"	"	"
Fluoranthene	0.0168	0.000394	0.00067	"	"	"	"	"
Fluorene	ND	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	0.0193	0.000627	0.00067	"	"	"	"	"
Naphthalene	0.00069	0.000484	0.00067	"	"	"	"	"
Pyrene	0.0299	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	63.4 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	76.9 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	50.8 %	29-110	"	"	"

**Total Metals by 6020B**

Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-W13@5'

3/22/2022 11:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y203523-15 (Soil)

## Total Metals by 6020B

Selenium	0.933	0.103	0.25	mg/Kg	5	L606909	03/24/2022	03/29/2022
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Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-W14@5'

3/22/2022 11:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203523-16 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2C2229	03/22/2022	03/23/2022	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	B2C2228	03/22/2022	03/23/2022	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 107 % 70-130 " " "  
Surrogate: Toluene-d8 99.2 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 98.1 % 70-130 " " "

**PAH by 8270D SIM**

Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-W14@5'

3/22/2022 11:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y203523-16 (Soil)

## PAH by 8270D SIM

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L606713	03/24/2022	03/28/2022	
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	0.000855	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	0.00172	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	0.0016	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	0.000605	0.000437	0.00067	"	"	"	"	"	J
Chrysene	0.00117	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	0.00122	0.000394	0.00067	"	"	"	"	"	
Fluorene	ND	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	0.0014	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"	
Pyrene	0.00209	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	59.3 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	76.3 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	49.2 %	29-110	"	"	"

Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-W14@5'

3/22/2022 11:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y203523-16 (Soil)

## Total Metals by 6020B

Selenium	1.02	0.103	0.25	mg/Kg	5	L606909	03/24/2022	03/29/2022	
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Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-S07@5'

3/22/2022 11:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203523-17 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2C2229	03/22/2022	03/23/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 114 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2C2228	03/22/2022	03/23/2022	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 97.0 % 70-130 " " "  
Surrogate: Toluene-d8 101 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 95.4 % 70-130 " " "

**PAH by 8270D SIM**

Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-S07@5'

3/22/2022 11:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y203523-17 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.00182	0.00335	mg/Kg	5	L606713	03/24/2022	03/28/2022	
2-Methylnaphthalene	ND	0.00323	0.00335	"	"	"	"	"	
Acenaphthene	0.00213	0.00152	0.00335	"	"	"	"	"	J
Anthracene	0.00915	0.00167	0.00335	"	"	"	"	"	
Benzo(a)anthracene	0.0467	0.00247	0.00335	"	"	"	"	"	
Benzo(a)pyrene	0.0498	0.00234	0.00335	"	"	"	"	"	
Benzo(b)fluoranthene	0.0512	0.00293	0.00335	"	"	"	"	"	
Benzo(k)fluoranthene	0.0164	0.00219	0.00335	"	"	"	"	"	
Chrysene	0.0517	0.00312	0.00335	"	"	"	"	"	
Dibenz(a,h)anthracene	0.00755	0.00307	0.00335	"	"	"	"	"	
Fluoranthene	0.0903	0.00197	0.00335	"	"	"	"	"	
Fluorene	ND	0.00143	0.00335	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	0.029	0.00314	0.00335	"	"	"	"	"	
Naphthalene	ND	0.00242	0.00335	"	"	"	"	"	
Pyrene	0.0909	0.00322	0.00335	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	65.7 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	70.8 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	53.2 %	29-110	"	"	"

**Total Metals by 6020B**

Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-S07@5'

3/22/2022 11:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y203523-17 (Soil)

## Total Metals by 6020B

Selenium	0.554	0.103	0.25	mg/Kg	5	L606909	03/24/2022	03/29/2022	
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Origins Laboratory, Inc.



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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-S08@5'

3/22/2022 11:25:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203523-18 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2C2229	03/22/2022	03/23/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl 121 % 50-150 " " "

**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2C2228	03/22/2022	03/23/2022	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 101 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 95.6 % 70-130 " " "

**PAH by 8270D SIM**

Origins Laboratory, Inc.



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6855 West 119th Avenue  
Broomfield CO 80020

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

Pit-S08@5'

3/22/2022 11:25:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y203523-18 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	0.0024	0.000364	0.00067	mg/Kg	1	L606713	03/24/2022	03/28/2022
2-Methylnaphthalene	0.00306	0.000645	0.00067	"	"	"	"	"
Acenaphthene	0.00259	0.000304	0.00067	"	"	"	"	"
Anthracene	0.00781	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	0.035	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	0.0374	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	0.0417	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	0.0122	0.000437	0.00067	"	"	"	"	"
Chrysene	0.0381	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	0.00701	0.000614	0.00067	"	"	"	"	"
Fluoranthene	0.0644	0.000394	0.00067	"	"	"	"	"
Fluorene	0.00253	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	0.0272	0.000627	0.00067	"	"	"	"	"
Naphthalene	0.00165	0.000484	0.00067	"	"	"	"	"
Pyrene	0.0702	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	64.8 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	72.1 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	52.7 %	29-110	"	"	"

**Total Metals by 6020B**

Selenium	0.677	0.103	0.25	mg/Kg	5	L606909	"	03/29/2022
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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 B2C2228 - EPA 5030 (soil)</b>										
<b>Blank (B2C2228-BLK1)</b>					Prepared: 03/22/2022 Analyzed: 03/22/2022					
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	0.11		"	0.125		90.2	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		94.1	70-130			

Origins Laboratory, Inc.



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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 B2C2228 - EPA 5030 (soil)</b>										
<b>LCS (B2C2228-BS1)</b>					Prepared: 03/22/2022 Analyzed: 03/22/2022					
1,2,4-Trimethylbenzene	0.102	0.00200	mg/kg	0.100		102	70-130			
1,3,5-Trimethylbenzene	0.102	0.00200	"	0.100		102	70-130			
Benzene	0.108	0.00200	"	0.100		108	70-130			
Ethylbenzene	0.0982	0.00200	"	0.100		98.2	70-130			
Naphthalene	0.117	0.0100	"	0.100		117	70-130			
Toluene	0.116	0.00200	"	0.100		116	70-130			
o-Xylene	0.102	0.00200	"	0.100		102	70-130			
m,p-Xylene	0.194	0.00400	"	0.200		97.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		90.0	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		106	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		96.8	70-130			

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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 B2C2228 - EPA 5030 (soil)</b>										
<b>Matrix Spike (B2C2228-MS1)</b>		<b>Source: Y203523-01</b>			Prepared: 03/22/2022 Analyzed: 03/22/2022					
1,2,4-Trimethylbenzene	0.0848	0.00200	mg/kg	0.100	0.00352	81.3	70-130			
1,3,5-Trimethylbenzene	0.0813	0.00200	"	0.100	ND	81.3	70-130			
Benzene	0.103	0.00200	"	0.100	ND	103	70-130			
Ethylbenzene	0.0865	0.00200	"	0.100	ND	86.5	70-130			
Naphthalene	0.0892	0.0100	"	0.100	ND	89.2	70-130			
Toluene	0.0983	0.00200	"	0.100	ND	98.3	70-130			
o-Xylene	0.0868	0.00200	"	0.100	ND	86.8	70-130			
m,p-Xylene	0.172	0.00400	"	0.200	ND	85.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		94.9	70-130			
Surrogate: Toluene-d8	0.11		"	0.125		89.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		109	70-130			

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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 B2C2228 - EPA 5030 (soil)</b>										
<b>Matrix Spike Dup (B2C2228-MSD1)</b>		<b>Source: Y203523-01</b>			Prepared: 03/22/2022 Analyzed: 03/22/2022					
1,2,4-Trimethylbenzene	0.0320	0.00200	mg/kg	0.100	0.00352	28.4	70-130	90.5	20	QM-07
1,3,5-Trimethylbenzene	0.0309	0.00200	"	0.100	ND	30.9	70-130	89.8	20	QM-07
Benzene	0.0455	0.00200	"	0.100	ND	45.5	70-130	77.7	20	QM-07
Ethylbenzene	0.0343	0.00200	"	0.100	ND	34.3	70-130	86.6	20	QM-07
Naphthalene	0.0377	0.0100	"	0.100	ND	37.7	70-130	81.1	20	QM-07
Toluene	0.0431	0.00200	"	0.100	ND	43.1	70-130	78.2	20	QM-07
o-Xylene	0.0337	0.00200	"	0.100	ND	33.7	70-130	88.1	20	QM-07
m,p-Xylene	0.0673	0.00400	"	0.200	ND	33.7	70-130	87.3	20	QM-07
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		93.9	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		94.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		104	70-130			

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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 B2C2229 - EPA 3580</b>										
<b>Blank (B2C2229-BLK1)</b>					Prepared: 03/22/2022 Analyzed: 03/22/2022					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	30		"	24.9		119	50-150			

Origins Laboratory, Inc.



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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
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**Batch B2C2229 - EPA 3580**

**LCS (B2C2229-BS1)**

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

Diesel (C10-C28)	534	25.0	mg/kg	500		107	70-130			
Residual Range Organics (C28-C40)	560	100	"	500		112	70-130			
Surrogate: o-Terphenyl	29		"	24.9		117	50-150			

Origins Laboratory, Inc.



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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
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**Batch B2C2229 - EPA 3580**

Matrix Spike (B2C2229-MS1)		Source: Y203523-01			Prepared: 03/22/2022 Analyzed: 03/22/2022					
Diesel (C10-C28)	546	25.0	mg/kg	500	ND	109	70-130			
Residual Range Organics (C28-C40)	577	100	"	500	ND	115	70-130			
Surrogate: o-Terphenyl	31		"	24.9		123	50-150			

Origins Laboratory, Inc.



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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
<b>Batch B2C2229 - EPA 3580</b>										
<b>Matrix Spike Dup (B2C2229-MSD1)</b>										
					<b>Source: Y203523-01</b>					
					Prepared: 03/22/2022 Analyzed: 03/22/2022					
Diesel (C10-C28)	541	25.0	mg/kg	500	ND	108	70-130	0.861	35	
Residual Range Organics (C28-C40)	585	100	"	500	ND	117	70-130	1.41	35	
Surrogate: o-Terphenyl	34		"	24.9		136	50-150			

Origins Laboratory, Inc.



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L606713 - 3550B**

<b>MSD (L 94507-MSD-L606713)</b>		<b>Source: 94507</b>			<b>Prepared: 03/24/2022 Analyzed: 03/28/2022</b>					
Benzo(b)fluoranthene	0.0944	0.000585	mg/Kg	0.166	<0.000585	56.8	30-130	13.4	30	
Benzo(a)pyrene	0.108	0.000468	"	0.166	<0.000468	65	30-130	5.4	30	
1-Methylnaphthalene	0.103	0.000364	"	0.166	<0.000364	62	30-130	0.9	30	
2-Methylnaphthalene	0.101	0.000645	"	0.166	<0.000645	60.8	30-130	1.9	30	
Acenaphthene	0.0984	0.000304	"	0.166	<0.000304	59.2	30-130	1.2	30	
Anthracene	0.115	0.000334	"	0.166	<0.000334	69.2	30-130	2.5	30	
Pyrene	0.119	0.000643	"	0.166	<0.000643	71.6	30-130	3.3	30	
Benzo(k)fluoranthene	0.0984	0.000437	"	0.166	<0.000437	59.2	30-130	9.3	30	
Naphthalene	0.0964	0.000484	"	0.166	<0.000484	58	30-130	3.6	30	
Indeno(1,2,3-cd)pyrene	0.124	0.000627	"	0.166	<0.000627	74.6	30-130	7	30	
Fluorene	0.11	0.000286	"	0.166	<0.000286	66.2	30-130	1.8	30	
Fluoranthene	0.118	0.000394	"	0.166	0.000442	70.8	30-130	4.1	30	
Dibenz(a,h)anthracene	0.144	0.000614	"	0.166	<0.000614	86.7	30-130	5.4	30	
Chrysene	0.104	0.000624	"	0.166	<0.000624	62.6	30-130	6.5	30	
Benzo(a)anthracene	0.108	0.000493	"	0.166	<0.000493	65	30-130	4.5	30	
Surrogate: 2-Fluorobiphenyl	65.8		"	0.331	208	65.8	33-115			
Surrogate: 4-Terphenyl-d14	74		"	0.331	218	74	33-122			
Surrogate: Nitrobenzene-d5	52.8		"	0.331	171	52.8	29-110			

<b>MS (L 94507-MS-L606713)</b>		<b>Source: 94507</b>			<b>Prepared: 03/24/2022 Analyzed: 03/28/2022</b>					
Benzo(a)anthracene	0.113	0.000493	mg/Kg	0.167	<0.000493	67.6	30-130			
Benzo(k)fluoranthene	0.108	0.000437	"	0.167	<0.000437	64.6	30-130			

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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
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**Batch L606713 - 3550B**

MS (L 94507-MS-L606713)		Source: 94507			Prepared: 03/24/2022 Analyzed: 03/28/2022					
Naphthalene	0.1	0.000484	mg/Kg	0.167	<0.000484	59.8	30-130			
Indeno(1,2,3-cd)pyrene	0.133	0.000627	"	0.167	<0.000627	79.6	30-130			
Fluorene	0.112	0.000286	"	0.167	<0.000286	67	30-130			
Fluoranthene	0.123	0.000394	"	0.167	0.000442	73.3	30-130			
Dibenz(a,h)anthracene	0.152	0.000614	"	0.167	<0.000614	91	30-130			
Chrysene	0.111	0.000624	"	0.167	<0.000624	66.4	30-130			
Pyrene	0.123	0.000643	"	0.167	<0.000643	73.6	30-130			
1-Methylnaphthalene	0.104	0.000364	"	0.167	<0.000364	62.2	30-130			
Benzo(a)pyrene	0.114	0.000468	"	0.167	<0.000468	68.2	30-130			
Anthracene	0.118	0.000334	"	0.167	<0.000334	70.6	30-130			
Acenaphthene	0.0996	0.000304	"	0.167	<0.000304	59.6	30-130			
2-Methylnaphthalene	0.103	0.000645	"	0.167	<0.000645	61.6	30-130			
Benzo(b)fluoranthene	0.108	0.000585	"	0.167	<0.000585	64.6	30-130			
Surrogate: Nitrobenzene-d5	54		"	0.333	171	54	29-110			
Surrogate: 4-Terphenyl-d14	74.4		"	0.333	218	74.4	33-122			
Surrogate: 2-Fluorobiphenyl	66.3		"	0.333	208	66.3	33-115			

**LCS (LCS-L606713)**

Prepared: 03/24/2022 Analyzed: 03/28/2022

Chrysene	0.108	0.000624	mg/Kg	0.167		64.6	30-130
Pyrene	0.122	0.000643	"	0.167		73	30-130
Dibenz(a,h)anthracene	0.187	0.000614	"	0.167		112	30-130
Fluoranthene	0.122	0.000394	"	0.167		73	30-130
Fluorene	0.113	0.000286	"	0.167		67.6	30-130
Naphthalene	0.103	0.000484	"	0.167		61.6	30-130
Benzo(k)fluoranthene	0.115	0.000437	"	0.167		68.8	30-130
Indeno(1,2,3-cd)pyrene	0.175	0.000627	"	0.167		105	30-130
Benzo(a)pyrene	0.11	0.000468	"	0.167		65.8	30-130

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L606713 - 3550B**

**LCS (LCS-L606713)**

Prepared: 03/24/2022 Analyzed: 03/28/2022

Benzo(a)anthracene	0.109	0.000493	mg/Kg	0.167		65.2	30-130			
Acenaphthene	0.102	0.000304	"	0.167		61	30-130			
2-Methylnaphthalene	0.107	0.000645	"	0.167		64	30-130			
1-Methylnaphthalene	0.109	0.000364	"	0.167		65.2	30-130			
Anthracene	0.116	0.000334	"	0.167		69.4	30-130			
Benzo(b)fluoranthene	0.114	0.000585	"	0.167		68.2	30-130			
Surrogate: Nitrobenzene-d5	57.3		"	0.333		57.3	29-110			
Surrogate: 4-Terphenyl-d14	79.8		"	0.333		79.8	33-122			
Surrogate: 2-Fluorobiphenyl	72.9		"	0.333		72.9	33-115			

**LRB (LRB-L606713)**

Prepared: 03/24/2022 Analyzed: 03/28/2022

Benzo(k)fluoranthene	ND	0.00067	mg/Kg				-			
Chrysene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Naphthalene	ND	0.00067	"				-			
Pyrene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	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	"				-			
Anthracene	ND	0.00067	"				-			
Surrogate: Nitrobenzene-d5	54.6		"	0.333		54.6	29-110			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L606713 - 3550B**

**LRB (LRB-L606713)**

Prepared: 03/24/2022 Analyzed: 03/28/2022

Surrogate: 4-Terphenyl-d14	69.6		mg/Kg	0.333	69.6		33-122			
Surrogate: 2-Fluorobiphenyl	65.7		"	0.333	65.7		33-115			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch L606909 - 3050B</b>										
<b>MSD (L 94493-MSD-L606909)</b>	<b>Source: Y203523-18</b>				Prepared: 03/24/2022 Analyzed: 03/31/2022					
Selenium	4.77	0.103	mg/Kg	4.62	0.677	89	75-125	1.6	80	
<b>MS (L 94493-MS-L606909)</b>	<b>Source: Y203523-18</b>				Prepared: 03/24/2022 Analyzed: 03/31/2022					
Selenium	4.85	0.103	mg/Kg	4.7	0.677	89	75-125			
<b>LCS (LCS-L606909)</b>					Prepared: 03/24/2022 Analyzed: 03/31/2022					
Selenium	4.91	0.103	mg/Kg	5		98	80-120			
<b>LRB (LRB-L606909)</b>					Prepared: 03/24/2022 Analyzed: 03/29/2022					
Selenium	ND	0.25	mg/Kg							

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

### Notes and Definitions

U Sample is Non-Detect.

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

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.

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A handwritten signature in black ink, appearing to read "J. Bynon".

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