

January 23, 2019

Tasman Geosciences

Bob Cornez

6899 Pecos Street, Unit C

Denver CO 80211

**Project Name - KMG - Kern L 4-14**

**Project Number - [none]**

Attached are your analytical results for KMG - Kern L 4-14 received by Origins Laboratory, Inc. January 22, 2019. This project is associated with Origins project number Y901282-01.

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

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

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

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

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

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



Tasman Geosciences  
6899 Pecos Street, Unit C  
Denver CO 80211

Bob Cornez  
Project Number: [none]  
Project: KMG - Kern L 4-14

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
N01@3.5'	Y901282-01	Soil	January 22, 2019 15:10	01/22/2019 17:51
S01@3.5'	Y901282-02	Soil	January 22, 2019 15:15	01/22/2019 17:51
E01@3.5'	Y901282-03	Soil	January 22, 2019 15:20	01/22/2019 17:51
W01@3.5'	Y901282-04	Soil	January 22, 2019 15:25	01/22/2019 17:51
GW01	Y901282-06	Water	January 22, 2019 15:35	01/22/2019 17:51

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 Project Number: [none]  
 Project: KMG - Kern L 4-14

Origins Laboratory

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

**Sample Receipt Checklist**

Origins Work Order: 4901232

Client: Tasman

Client Project ID: KMG - Kern L 4-14

Checklist Completed by: [Signature]

Shipped Via: HS

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

Date/time completed: 1-22-17

Airbill #: N/A

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

Cooler Number/Temperature: 1 / 3.2 °C \_\_\_\_\_ / \_\_\_\_\_ °C \_\_\_\_\_ / \_\_\_\_\_ °C \_\_\_\_\_ / \_\_\_\_\_ °C (Describe)

Thermometer ID: 203

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? <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) [Signature]

Date/Time Reviewed 1-22-17

Origins Laboratory, Inc.

*Jefe Pellegrini*

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Bob Cornez  
 Project Number: [none]  
 Project: KMG - Kern L 4-14

**N01@3.5'**  
**1/22/2019 3:10:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y901282-01 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B9A2202	KDK	01/22/2019	01/22/2019	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	KDK	"	"	U

Surrogate: *o*-Terphenyl 87.2 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B9A2201	KDK	"	01/22/2019	U
Benzene	ND	0.002	"	"	"	KDK	"	"	U
Toluene	ND	0.002	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.002	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.002	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4 100 % 70-130 " " "  
 Surrogate: Toluene-d8 98.7 % 70-130 " " "  
 Surrogate: 4-Bromofluorobenzene 101 % 70-130 " " "

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 Project: KMG - Kern L 4-14

**S01@3.5'**  
**1/22/2019 3:15:00PM**

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y901282-02 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B9A2202	KDK	01/22/2019	01/22/2019	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	KDK	"	"	U

*Surrogate: o-Terphenyl* 80.3 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	<b>99.1</b>	50.0	mg/kg	250	B9A2201	KDK	"	01/22/2019	
Benzene	ND	0.050	"	25	"	KDK	"	01/22/2019	U
Toluene	<b>0.454</b>	0.050	"	"	"	KDK	"	"	
Ethylbenzene	<b>0.126</b>	0.050	"	"	"	KDK	"	"	
Xylenes, total	<b>2.10</b>	0.050	"	"	"	KDK	"	"	

*Surrogate: 1,2-Dichloroethane-d4* 97.2 % 70-130 " " "  
*Surrogate: Toluene-d8* 96.4 % 70-130 " " "  
*Surrogate: 4-Bromofluorobenzene* 108 % 70-130 " " "

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**E01@3.5'**  
**1/22/2019 3:20:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y901282-03 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	191	25.0	mg/kg	1	B9A2202	KDK	01/22/2019	01/22/2019	
Residual Range Organics (C28-C40)	ND	100	"	"	"	KDK	"	"	U

Surrogate: o-Terphenyl 85.6 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	2960	50.0	mg/kg	250	B9A2201	KDK	"	01/22/2019	
Benzene	3.80	0.498	"	"	"	KDK	"	"	
Toluene	81.6	0.498	"	"	"	KDK	"	"	
Ethylbenzene	10.6	0.498	"	"	"	KDK	"	"	
Xylenes, total	158	0.498	"	"	"	KDK	"	"	

Surrogate: 1,2-Dichloroethane-d4 104 % 70-130 " " "

Surrogate: Toluene-d8 93.6 % 70-130 " " "

Surrogate: 4-Bromofluorobenzene 96.9 % 70-130 " " "

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W01@3.5'

1/22/2019 3:25:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y901282-04 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B9A2202	KDK	01/22/2019	01/22/2019	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	KDK	"	"	U

Surrogate: o-Terphenyl 79.6 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	5.70	5.00	mg/kg	25	B9A2201	KDK	"	01/22/2019	
Benzene	ND	0.050	"	"	"	KDK	"	01/22/2019	U
Toluene	0.091	0.050	"	"	"	KDK	"	"	
Ethylbenzene	ND	0.050	"	"	"	KDK	"	"	U
Xylenes, total	0.362	0.050	"	"	"	KDK	"	"	

Surrogate: 1,2-Dichloroethane-d4 88.8 % 70-130 " " "  
 Surrogate: Toluene-d8 98.3 % 70-130 " " "  
 Surrogate: 4-Bromofluorobenzene 96.2 % 70-130 " " "

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**GW01**

**1/22/2019 3:35:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y901282-06 (Water)**

**BTEX by EPA 8260C**

Benzene	17.6	4.00	ug/L	4	B9A2208	KDK	01/22/2019	01/22/2019	
Toluene	36.2	4.00	"	"	"	KDK	"	"	
Ethylbenzene	17.6	4.00	"	"	"	KDK	"	"	
Xylenes, total	246	4.00	"	"	"	KDK	"	"	
Surrogate: 1,2-Dichloroethane-d4	117 %			84-121		"	"	"	
Surrogate: Toluene-d8	93.5 %			85-115		"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %			84-114		"	"	"	

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 Project: KMG - Kern L 4-14

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B9A2201 - EPA 5030 (soil)**

**Blank (B9A2201-BLK1)**

Prepared: 01/22/2019 Analyzed: 01/22/2019

Gasoline Range Hydrocarbons	ND	0.200	mg/kg							U
Benzene	ND	0.002	"							U
Toluene	ND	0.002	"							U
Ethylbenzene	ND	0.002	"							U
Xylenes, total	ND	0.002	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		92.8	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.8	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		95.6	70-130			

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**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B9A2201 - EPA 5030 (soil)

**LCS (B9A2201-BS1)**

Prepared: 01/22/2019 Analyzed: 01/22/2019

Benzene	0.107	0.002	mg/kg	0.100		107	77.1-124			
Toluene	0.104	0.002	"	0.100		104	74.5-128			
Ethylbenzene	0.108	0.002	"	0.100		108	66.4-127			
m,p-Xylene	0.216	0.004	"	0.200		108	76.6-124			
o-Xylene	0.108	0.002	"	0.100		108	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		93.4	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		100	70-130			

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**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9A2201 - EPA 5030 (soil)

Matrix Spike (B9A2201-MS1)	Source: Y901261-01			Prepared: 01/22/2019 Analyzed: 01/22/2019						
Benzene	0.106	0.002	mg/kg	0.100	ND	106	71.8-126			
Toluene	0.101	0.002	"	0.100	ND	101	65.1-130			
Ethylbenzene	0.104	0.002	"	0.100	ND	104	62.2-130			
m,p-Xylene	0.210	0.004	"	0.200	0.001	104	46.5-137			
o-Xylene	0.106	0.002	"	0.100	0.0005	105	54.2-134			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		89.9	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		100	70-130			

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**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B9A2201 - EPA 5030 (soil)

Matrix Spike Dup (B9A2201-MSD1)	Source: Y901261-01			Prepared: 01/22/2019 Analyzed: 01/22/2019						
Benzene	0.112	0.002	mg/kg	0.100	ND	112	71.8-126	5.26	11.3	
Toluene	0.106	0.002	"	0.100	ND	106	65.1-130	4.81	15.4	
Ethylbenzene	0.109	0.002	"	0.100	ND	109	62.2-130	5.28	19.6	
m,p-Xylene	0.220	0.004	"	0.200	0.001	109	46.5-137	4.97	19.2	
o-Xylene	0.111	0.002	"	0.100	0.0005	110	54.2-134	4.76	17.9	
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		90.0	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		100	70-130			

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**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B9A2208 - EPA 5030B (Water)**

**Blank (B9A2208-BLK1)**

Prepared: 01/22/2019 Analyzed: 01/22/2019

Benzene	ND	1.00	ug/L							U
Toluene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	70		"	62.5	111		84-121			
Surrogate: Toluene-d8	59		"	62.5	94.5		85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5	98.7		84-114			

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**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B9A2208 - EPA 5030B (Water)**

**LCS (B9A2208-BS1)**

Prepared: 01/22/2019 Analyzed: 01/22/2019

Benzene	54.2	1.00	ug/L	50.0		108	73.3-129			
Toluene	50.0	1.00	"	50.0		100	76.2-123			
Ethylbenzene	48.1	1.00	"	50.0		96.1	73.6-130			
m,p-Xylene	99.5	2.00	"	100		99.5	76.1-126			
o-Xylene	48.2	1.00	"	50.0		96.4	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	66		"	62.5		105	84-121			
Surrogate: Toluene-d8	59		"	62.5		94.8	85-115			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.4	84-114			

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**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B9A2208 - EPA 5030B (Water)**

<b>Matrix Spike (B9A2208-MS1)</b>	<b>Source: Y901274-01</b>			<b>Prepared: 01/22/2019 Analyzed: 01/22/2019</b>						
Benzene	52.8	1.00	ug/L	50.0	ND	106	74-130			
Toluene	50.4	1.00	"	50.0	0.170	101	73-131			
Ethylbenzene	53.2	1.00	"	50.0	0.480	105	76-132			
m,p-Xylene	109	2.00	"	100	1.16	108	69-139			
o-Xylene	50.8	1.00	"	50.0	0.640	100	74-131			
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		98.2	84-121			
Surrogate: Toluene-d8	61		"	62.5		98.3	85-115			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	84-114			

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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 B9A2208 - EPA 5030B (Water)**

Matrix Spike Dup (B9A2208-MSD1)	Source: Y901274-01			Prepared: 01/22/2019 Analyzed: 01/22/2019						
Benzene	50.8	1.00	ug/L	50.0	ND	102	74-130	3.77	20	
Toluene	48.6	1.00	"	50.0	0.170	96.8	73-131	3.74	20	
Ethylbenzene	49.9	1.00	"	50.0	0.480	98.8	76-132	6.52	20	
m,p-Xylene	103	2.00	"	100	1.16	102	69-139	5.25	20	
o-Xylene	48.8	1.00	"	50.0	0.640	96.3	74-131	3.94	20	
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		100	84-121			
Surrogate: Toluene-d8	61		"	62.5		97.0	85-115			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	84-114			

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 Denver CO 80211

Bob Cornez  
 Project Number: [none]  
 Project: KMG - Kern L 4-14

**Volatile Organic Compounds by GC/MS SW846 8260C - 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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**Extractable Petroleum Hydrocarbons by 8015C - 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 B9A2202 - EPA 3550B**

**Blank (B9A2202-BLK1)**

Prepared: 01/22/2019 Analyzed: 01/22/2019

Diesel (C10-C28)	ND	50.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	200	"							U
Surrogate: o-Terphenyl	46		"	50.0		91.1	59-131			

**LCS (B9A2202-BS1)**

Prepared: 01/22/2019 Analyzed: 01/22/2019

Diesel (C10-C28)	831	50.0	mg/kg	1000		83.1	64-121			
Residual Range Organics (C28-C40)	824	200	"	1000		82.4	58-124			
Surrogate: o-Terphenyl	42		"	50.0		84.9	59-131			

**Matrix Spike (B9A2202-MS1)**

**Source: Y901261-01**

Prepared: 01/22/2019 Analyzed: 01/22/2019

Diesel (C10-C28)	905	50.0	mg/kg	1000	ND	90.5	53-125			
Residual Range Organics (C28-C40)	916	200	"	1000	12.1	90.4	47-133			
Surrogate: o-Terphenyl	45		"	50.0		89.3	59-131			

**Matrix Spike Dup (B9A2202-MSD1)**

**Source: Y901261-01**

Prepared: 01/22/2019 Analyzed: 01/22/2019

Diesel (C10-C28)	988	50.0	mg/kg	1000	ND	98.8	53-125	8.75	20	
Residual Range Organics (C28-C40)	980	200	"	1000	12.1	96.8	47-133	6.82	20	
Surrogate: o-Terphenyl	52		"	50.0		103	59-131			

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  
6899 Pecos Street, Unit C  
Denver CO 80211

Bob Cornez  
Project Number: [none]  
Project: KMG - Kern L 4-14

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**Notes and Definitions**

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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

---

Jen Pellegrini For Noelle Doyle Mathis, President



January 24, 2019

**Tasman Geosciences**

**Bob Cornez**

**6899 Pecos Street, Unit C**

**Denver CO 80211**

**Project Name - KMG - Kern L 4-14**

**Project Number - [none]**

Attached are your analytical results for KMG - Kern L 4-14 received by Origins Laboratory, Inc. January 23, 2019. This project is associated with Origins project number Y901300-01.

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  
6899 Pecos Street, Unit C  
Denver CO 80211

Bob Cornez  
Project Number: [none]  
Project: KMG - Kern L 4-14

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
E02@3.5'	Y901300-01	Soil	January 23, 2019 12:00	01/23/2019 16:05

Origins Laboratory, Inc.



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

Jen Pellegrini For Noelle Doyle Mathis, President



Tasman Geosciences  
 6899 Pecos Street, Unit C  
 Denver CO 80211

Bob Cornez  
 Project Number: [none]  
 Project: KMG - Kern L 4-14

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: Y901300

Client: Tasman  
 Client Project ID: KMG - Kern L 4-14

Checklist Completed by: JG  
 Date/time completed: 1/23/2019

Shipped Via: HD  
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)  
 Airbill #: N/A

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

Cooler Number/Temperature: 1 / 4.6 °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"/>			
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 HNO3, HCL, H2SO4) / (pH >10 for samples preserved with NaAsO2+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: [Signature] (Project Manager)

1/23/19  
 Date/Time Reviewed

Origins Laboratory, Inc.

*Jefe Pellegrini*

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

Tasman Geosciences  
 6899 Pecos Street, Unit C  
 Denver CO 80211

Bob Cornez  
 Project Number: [none]  
 Project: KMG - Kern L 4-14

**E02@3.5'**  
**1/23/2019 12:00:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y901300-01 (Soil)**

**DRO/RRO by EPA8015C**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B9A2302	KDK	01/23/2019	01/23/2019	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	KDK	"	"	U

*Surrogate: o-Terphenyl* 84.2 % 59-131 " " "

**GBTEX by EPA 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B9A2301	KDK	"	01/23/2019	U
Benzene	ND	0.002	"	"	"	KDK	"	"	U
Toluene	ND	0.002	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.002	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.002	"	"	"	KDK	"	"	U

*Surrogate: 1,2-Dichloroethane-d4* 96.7 % 70-130 " " "  
*Surrogate: Toluene-d8* 96.0 % 70-130 " " "  
*Surrogate: 4-Bromofluorobenzene* 97.2 % 70-130 " " "

Origins Laboratory, Inc.



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

Tasman Geosciences  
 6899 Pecos Street, Unit C  
 Denver CO 80211

Bob Cornez  
 Project Number: [none]  
 Project: KMG - Kern L 4-14

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B9A2301 - EPA 5030 (soil)**

**Blank (B9A2301-BLK1)**

Prepared: 01/23/2019 Analyzed: 01/23/2019

Gasoline Range Hydrocarbons	ND	0.200	mg/kg							U
Benzene	ND	0.002	"							U
Toluene	ND	0.002	"							U
Ethylbenzene	ND	0.002	"							U
Xylenes, total	ND	0.002	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		93.5	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.8	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		97.1	70-130			

Origins Laboratory, Inc.



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

Tasman Geosciences  
 6899 Pecos Street, Unit C  
 Denver CO 80211

Bob Cornez  
 Project Number: [none]  
 Project: KMG - Kern L 4-14

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B9A2301 - EPA 5030 (soil)**

**LCS (B9A2301-BS1)**

Prepared: 01/23/2019 Analyzed: 01/23/2019

Benzene	0.110	0.002	mg/kg	0.100		110	77.1-124			
Toluene	0.108	0.002	"	0.100		108	74.5-128			
Ethylbenzene	0.111	0.002	"	0.100		111	66.4-127			
m,p-Xylene	0.224	0.004	"	0.200		112	76.6-124			
o-Xylene	0.112	0.002	"	0.100		112	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		91.7	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.9	70-130			

Origins Laboratory, Inc.



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

Tasman Geosciences  
 6899 Pecos Street, Unit C  
 Denver CO 80211

Bob Cornez  
 Project Number: [none]  
 Project: KMG - Kern L 4-14

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B9A2301 - EPA 5030 (soil)

Matrix Spike (B9A2301-MS1)	Source: Y901298-01			Prepared: 01/23/2019 Analyzed: 01/23/2019						
Benzene	0.095	0.002	mg/kg	0.100	ND	94.8	71.8-126			
Toluene	0.091	0.002	"	0.100	ND	90.6	65.1-130			
Ethylbenzene	0.092	0.002	"	0.100	ND	92.3	62.2-130			
m,p-Xylene	0.187	0.004	"	0.200	0.0009	92.9	46.5-137			
o-Xylene	0.095	0.002	"	0.100	0.0004	94.8	54.2-134			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		91.1	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		94.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		100	70-130			

Origins Laboratory, Inc.



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

Tasman Geosciences  
 6899 Pecos Street, Unit C  
 Denver CO 80211

Bob Cornez  
 Project Number: [none]  
 Project: KMG - Kern L 4-14

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B9A2301 - EPA 5030 (soil)

Matrix Spike Dup (B9A2301-MSD1)	Source: Y901298-01			Prepared: 01/23/2019 Analyzed: 01/23/2019						
Benzene	0.099	0.002	mg/kg	0.100	ND	99.4	71.8-126	4.70	11.3	
Toluene	0.095	0.002	"	0.100	ND	95.1	65.1-130	4.87	15.4	
Ethylbenzene	0.096	0.002	"	0.100	ND	95.7	62.2-130	3.70	19.6	
m,p-Xylene	0.192	0.004	"	0.200	0.0009	95.8	46.5-137	3.07	19.2	
o-Xylene	0.098	0.002	"	0.100	0.0004	97.2	54.2-134	2.45	17.9	
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		91.6	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		95.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.9	70-130			

Origins Laboratory, Inc.



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

Tasman Geosciences  
 6899 Pecos Street, Unit C  
 Denver CO 80211

Bob Cornez  
 Project Number: [none]  
 Project: KMG - Kern L 4-14

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

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

**Extractable Petroleum Hydrocarbons by 8015C - 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 B9A2302 - EPA 3580**

**Blank (B9A2302-BLK1)**

Prepared: 01/23/2019 Analyzed: 01/23/2019

Diesel (C10-C28)	ND	50.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	200	"							U
Surrogate: o-Terphenyl	42		"	50.0		83.5	59-131			

**LCS (B9A2302-BS1)**

Prepared: 01/23/2019 Analyzed: 01/23/2019

Diesel (C10-C28)	920	50.0	mg/kg	1000		92.0	64-121			
Residual Range Organics (C28-C40)	867	200	"	1000		86.7	58-124			
Surrogate: o-Terphenyl	45		"	50.0		90.7	59-131			

**Matrix Spike (B9A2302-MS1)**

**Source: Y901283-01**

Prepared: 01/23/2019 Analyzed: 01/23/2019

Diesel (C10-C28)	921	50.0	mg/kg	1000	21.6	89.9	53-125			
Residual Range Organics (C28-C40)	919	200	"	1000	7.30	91.2	47-133			
Surrogate: o-Terphenyl	45		"	50.0		89.6	59-131			

**Matrix Spike Dup (B9A2302-MSD1)**

**Source: Y901283-01**

Prepared: 01/23/2019 Analyzed: 01/23/2019

Diesel (C10-C28)	972	50.0	mg/kg	1000	21.6	95.0	53-125	5.57	20	
Residual Range Organics (C28-C40)	946	200	"	1000	7.30	93.9	47-133	2.89	20	
Surrogate: o-Terphenyl	47		"	50.0		93.6	59-131			

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  
6899 Pecos Street, Unit C  
Denver CO 80211

Bob Cornez  
Project Number: [none]  
Project: KMG - Kern L 4-14

---

**Notes and Definitions**

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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

---

Jen Pellegrini For Noelle Doyle Mathis, President

January 28, 2019

Tasman Geosciences

Bob Cornez

6899 Pecos Street, Unit C

Denver CO 80211

Project Name - KMG - Kern L 4-14

Project Number - [none]

Attached are your analytical results for KMG - Kern L 4-14 received by Origins Laboratory, Inc. January 25, 2019. This project is associated with Origins project number Y901341-01.

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

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

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

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

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

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



Tasman Geosciences  
6899 Pecos Street, Unit C  
Denver CO 80211

Bob Cornez  
Project Number: [none]  
Project: KMG - Kern L 4-14

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GW02	Y901341-01	Water	January 25, 2019 10:17	01/25/2019 16:30

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  
 6899 Pecos Street, Unit C  
 Denver CO 80211

Bob Cornez  
 Project Number: [none]  
 Project: KMG - Kern L 4-14

Origins Laboratory

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

**Sample Receipt Checklist**

Origins Work Order: 901341

Client: Tasman  
 Client Project ID: KMG - Kern L 4-14

Checklist Completed by: JG  
 Date/time completed: 1/25/2019

Shipped Via: HD  
(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 / 3.8 °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 HNO3, HCL, H2SO4) / (pH >10 for samples preserved with NaAsO2+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.

[Signature]  
 Reviewed by (Project Manager)

1/25/19  
 Date/Time Reviewed

Origins Laboratory, Inc.

Jefe Pellegrini

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

Tasman Geosciences  
 6899 Pecos Street, Unit C  
 Denver CO 80211

Bob Cornez  
 Project Number: [none]  
 Project: KMG - Kern L 4-14

**GW02**

**1/25/2019 10:17:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y901341-01 (Water)**

**BTEX by EPA 8260C**

Benzene	41.1	1.00	ug/L	1	B9A2501	JTD	01/25/2019	01/25/2019	
Toluene	286	50.0	"	50	"	JTD	"	01/25/2019	
Ethylbenzene	74.5	1.00	"	1	"	JTD	"	01/25/2019	
Xylenes, total	1030	50.0	"	50	"	JTD	"	01/25/2019	
Surrogate: 1,2-Dichloroethane-d4	96.7 %			84-121		"	"	01/25/2019	
Surrogate: Toluene-d8	106 %			85-115		"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %			84-114		"	"	"	

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  
 6899 Pecos Street, Unit C  
 Denver CO 80211

Bob Cornez  
 Project Number: [none]  
 Project: KMG - Kern L 4-14

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B9A2501 - EPA 5030B (Water)**

**Blank (B9A2501-BLK1)**

Prepared: 01/25/2019 Analyzed: 01/25/2019

Benzene	ND	1.00	ug/L							U
Toluene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		97.8	84-121			
Surrogate: Toluene-d8	61		"	62.5		98.3	85-115			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		95.4	84-114			

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*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  
 6899 Pecos Street, Unit C  
 Denver CO 80211

Bob Cornez  
 Project Number: [none]  
 Project: KMG - Kern L 4-14

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B9A2501 - EPA 5030B (Water)**

**LCS (B9A2501-BS1)**

Prepared: 01/25/2019 Analyzed: 01/25/2019

Benzene	54.2	1.00	ug/L	50.0		108	73.3-129			
Toluene	53.7	1.00	"	50.0		107	76.2-123			
Ethylbenzene	55.1	1.00	"	50.0		110	73.6-130			
m,p-Xylene	108	2.00	"	100		108	76.1-126			
o-Xylene	53.7	1.00	"	50.0		107	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	59		"	62.5		93.6	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.2	85-115			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	84-114			

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Bob Cornez  
 Project Number: [none]  
 Project: KMG - Kern L 4-14

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B9A2501 - EPA 5030B (Water)**

<b>Matrix Spike (B9A2501-MS1)</b>	<b>Source: Y901317-01</b>			<b>Prepared: 01/25/2019 Analyzed: 01/25/2019</b>						
Benzene	52.5	1.00	ug/L	50.0	ND	105	74-130			
Toluene	51.6	1.00	"	50.0	ND	103	73-131			
Ethylbenzene	52.7	1.00	"	50.0	ND	105	76-132			
m,p-Xylene	103	2.00	"	100	ND	103	69-139			
o-Xylene	52.3	1.00	"	50.0	ND	105	74-131			
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		98.1	84-121			
Surrogate: Toluene-d8	63		"	62.5		101	85-115			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		102	84-114			

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 Denver CO 80211

Bob Cornez  
 Project Number: [none]  
 Project: KMG - Kern L 4-14

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B9A2501 - EPA 5030B (Water)**

Matrix Spike Dup (B9A2501-MSD1)	Source: Y901317-01			Prepared: 01/25/2019 Analyzed: 01/25/2019						
Benzene	50.9	1.00	ug/L	50.0	ND	102	74-130	3.15	20	
Toluene	49.1	1.00	"	50.0	ND	98.3	73-131	4.83	20	
Ethylbenzene	50.2	1.00	"	50.0	ND	100	76-132	4.86	20	
m,p-Xylene	99.9	2.00	"	100	ND	99.9	69-139	2.99	20	
o-Xylene	51.2	1.00	"	50.0	ND	102	74-131	1.99	20	
Surrogate: 1,2-Dichloroethane-d4	59		"	62.5		93.8	84-121			
Surrogate: Toluene-d8	62		"	62.5		98.5	85-115			
Surrogate: 4-Bromofluorobenzene	66		"	62.5		105	84-114			

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Denver CO 80211

Bob Cornez  
Project Number: [none]  
Project: KMG - Kern L 4-14

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**Notes and Definitions**

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

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Jen Pellegrini For Noelle Doyle Mathis, President