



June 13, 2018

Tasman Geosciences

Brandon Bruns

6899 Pecos Street, Unit C

Denver

CO 80211

Project Name - SRC - Stephens 7-11,12

Project Number - [none]

Attached are your analytical results for SRC - Stephens 7-11,12 received by Origins Laboratory, Inc. June 07, 2018. This project is associated with Origins project number Y806098-01.

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

Brandon Bruns  
Project Number: [none]  
Project: SRC - Stephens 7-11,12

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH05@4-7'	Y806098-01	Soil	June 7, 2018 9:54	06/07/2018 17:17
BH01	Y806098-02	Water	June 7, 2018 11:25	06/07/2018 17:17
BH02	Y806098-03	Water	June 7, 2018 11:35	06/07/2018 17:17
BH03	Y806098-04	Water	June 7, 2018 11:45	06/07/2018 17:17
BH04	Y806098-05	Water	June 7, 2018 11:55	06/07/2018 17:17
BH05	Y806098-06	Water	June 7, 2018 12:18	06/07/2018 17:17
BH06	Y806098-07	Water	June 7, 2018 12:28	06/07/2018 17:17

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

Brandon Bruns  
Project Number: [none]  
Project: SRC - Stephens 7-11,12

www.originslaboratory.com  
page 1 of 2

1806098

**ORIGINS**  
LABORATORY, INC

Client: SRC/Tasman Project Manager/Send Report To: Brandon Bruns  
Address: \_\_\_\_\_ Email Address: bbuns@tasman-geo.com  
Telephone Number: 979-255-4235 Project Name/Number: Stephens 7-11,12  
Samples Collected By: Max Garcia

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/Method	Sample Instructions
				Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater	Soil		
BH05@47	6/7/18	09:54	1	X				X		8260B GBTEX BTEX	1
BH01		11:25	3					X			2
BH02		11:35									3
BH03		11:45									4
BH04		11:55									5
BH05		12:18									6
BH06		12:28									7
											8
											9
											10

  

Relinquished By:	Date:	Time:	Received By:	Date:	Time:	Turnaround Time:
Max	6/7/18	1717	Max	6/7/18	1717	Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/>
						48 Hr <input type="checkbox"/> 72 Hr <input checked="" type="checkbox"/>

Paula Bassile, Manager

Comment:

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

Brandon Bruns  
Project Number: [none]  
Project: SRC - Stephens 7-11,12

Origins Laboratory

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

## Sample Receipt Checklist

Origins Work Order: Y806098 Client: Tasman  
Client Project ID: SRC-Stephens 7-11,12  
Checklist Completed by: JG Shipped Via: HD  
(UPS, FedEx, Hand Delivered, Pick-up, etc.)  
Date/time completed: 6/8/2018 Airbill #: N/A  
Matrix(s) Received: (Check all that apply): ☒ Soil/Solid ☒ Water ☐ Other: \_\_\_\_\_  
(Describe)  
Cooler Number/Temperature: 1 / 5.6 °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 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 6/11/18

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

Brandon Bruns  
Project Number: [none]  
Project: SRC - Stephens 7-11,12

BH05@4-7'  
6/7/2018 9:54:00AM

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

Origins Laboratory, Inc.  
Y806098-01 (Soil)

## Diesel Range Organics (DRO/TEPH) by EPA 8015C

Diesel (C10-C28)	ND	50.0	mg/kg	1	B8F0805	06/08/2018	06/08/2018	U
------------------	----	------	-------	---	---------	------------	------------	---

Surrogate: o-Terphenyl	79.8 %	59-131			"	"	"	
------------------------	--------	--------	--	--	---	---	---	--

## GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B8F0804	"	06/08/2018	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	79.4 %	70-130			"	"	"	
Surrogate: Toluene-d8	89.4 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	93.8 %	70-130			"	"	"	

Origins Laboratory, Inc.



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

Tasman Geosciences  
6899 Pecos Street, Unit C  
Denver CO 80211

Brandon Bruns  
Project Number: [none]  
Project: SRC - Stephens 7-11,12

BH01  
6/7/2018 11:25:00AM

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

**Origins Laboratory, Inc.**  
**Y806098-02 (Water)**

**BTEX by EPA 8260C**

Benzene	ND	1.00	ug/L	1	B8F0802	06/08/2018	06/09/2018	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	103 %	84-121	"	"	"
Surrogate: Toluene-d8	98.9 %	85-115	"	"	"
Surrogate: 4-Bromofluorobenzene	95.8 %	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

Brandon Brunns  
Project Number: [none]  
Project: SRC - Stephens 7-11,12

BH02  
6/7/2018 11:35:00AM

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

Origins Laboratory, Inc.  
Y806098-03 (Water)

## BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B8F0802	06/08/2018	06/09/2018	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	104 %	84-121			"	"	"	
Surrogate: Toluene-d8	98.5 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.7 %	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

Brandon Bruns  
Project Number: [none]  
Project: SRC - Stephens 7-11,12

BH03  
6/7/2018 11:45:00AM

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

Origins Laboratory, Inc.  
Y806098-04 (Water)

## BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B8F0802	06/08/2018	06/09/2018	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	105 %	84-121			"	"	"	
Surrogate: Toluene-d8	98.2 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.8 %	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

Brandon Bruns  
Project Number: [none]  
Project: SRC - Stephens 7-11,12

**BH04**  
**6/7/2018 11:55:00AM**

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

**Origins Laboratory, Inc.**  
**Y806098-05 (Water)**

## BTEX by EPA 8260C

Benzene	164	1.00	ug/L	1	B8F0802	06/08/2018	06/09/2018	
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	15.0	1.00	"	"	"	"	"	
Xylenes, total	45.8	1.00	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	105 %	84-121			"	"	"	
Surrogate: Toluene-d8	95.8 %	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

Brandon Brunns  
Project Number: [none]  
Project: SRC - Stephens 7-11,12

BH05

6/7/2018 12:18:00PM

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

**Origins Laboratory, Inc.**  
**Y806098-06 (Water)**

**BTEX by EPA 8260C**

Benzene	ND	1.00	ug/L	1	B8F0802	06/08/2018	06/09/2018	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	105 %	84-121	"	"	"
Surrogate: Toluene-d8	98.2 %	85-115	"	"	"
Surrogate: 4-Bromofluorobenzene	97.2 %	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

Brandon Bruns  
Project Number: [none]  
Project: SRC - Stephens 7-11,12

BH06  
6/7/2018 12:28:00PM

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

Origins Laboratory, Inc.  
Y806098-07 (Water)

## BTEX by EPA 8260C

Benzene	40.2	1.00	ug/L	1	B8F0802	06/08/2018	06/09/2018	
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	45.0	1.00	"	"	"	"	"	
Xylenes, total	85.5	1.00	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	107 %	84-121			"	"	"	
Surrogate: Toluene-d8	94.2 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %	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

Brandon Bruns  
Project Number: [none]  
Project: SRC - Stephens 7-11,12

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

**Batch B8F0802 - EPA 5030B (Water)**

**Blank (B8F0802-BLK1)**

Prepared: 06/08/2018 Analyzed: 06/08/2018

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		97.7	84-121			
Surrogate: Toluene-d8	58		"	62.5		93.0	85-115			
Surrogate: 4-Bromofluorobenzene	58		"	62.5		92.1	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.*

Jen Pellegrini For Noelle Doyle Mathis, President

Tasman Geosciences  
6899 Pecos Street, Unit C  
Denver CO 80211

Brandon Brunns  
Project Number: [none]  
Project: SRC - Stephens 7-11,12

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

**Batch B8F0802 - EPA 5030B (Water)**

**LCS (B8F0802-BS1)**

Prepared: 06/08/2018 Analyzed: 06/08/2018

Benzene	55.4	1.00	ug/L	50.0		111	73.3-129			
Toluene	49.3	1.00	"	50.0		98.7	76.2-123			
Ethylbenzene	51.1	1.00	"	50.0		102	73.6-130			
m,p-Xylene	95.5	2.00	"	100		95.5	76.1-126			
o-Xylene	50.8	1.00	"	50.0		102	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		96.8	84-121			
Surrogate: Toluene-d8	59		"	62.5		94.1	85-115			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		96.6	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.*

Jen Pellegrini For Noelle Doyle Mathis, President

Tasman Geosciences  
6899 Pecos Street, Unit C  
Denver CO 80211

Brandon Bruns  
Project Number: [none]  
Project: SRC - Stephens 7-11,12

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

**Batch B8F0802 - EPA 5030B (Water)**

Matrix Spike (B8F0802-MS1)		Source: Y806045-01			Prepared: 06/08/2018 Analyzed: 06/09/2018					
Benzene	47.3	1.00	ug/L	50.0	ND	94.6	74-130			
Toluene	47.0	1.00	"	50.0	ND	93.9	73-131			
Ethylbenzene	45.6	1.00	"	50.0	0.170	90.9	76-132			
m,p-Xylene	92.2	2.00	"	100	ND	92.2	69-139			
o-Xylene	46.3	1.00	"	50.0	ND	92.6	74-131			
Surrogate: 1,2-Dichloroethane-d4	65		"	62.5		105	84-121			
Surrogate: Toluene-d8	61		"	62.5		98.2	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.2	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

Brandon Brunns  
Project Number: [none]  
Project: SRC - Stephens 7-11,12

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

**Batch B8F0802 - EPA 5030B (Water)**

Matrix Spike Dup (B8F0802-MSD1)		Source: Y806045-01			Prepared: 06/08/2018 Analyzed: 06/09/2018					
Benzene	47.4	1.00	ug/L	50.0	ND	94.7	74-130	0.190	20	
Toluene	46.5	1.00	"	50.0	ND	93.0	73-131	1.03	20	
Ethylbenzene	44.8	1.00	"	50.0	0.170	89.2	76-132	1.95	20	
m,p-Xylene	90.2	2.00	"	100	ND	90.2	69-139	2.30	20	
o-Xylene	45.6	1.00	"	50.0	ND	91.1	74-131	1.63	20	
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		101	84-121			
Surrogate: Toluene-d8	61		"	62.5		97.6	85-115			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.3	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

Brandon Bruns  
Project Number: [none]  
Project: SRC - Stephens 7-11,12

**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
<b>Batch B8F0804 - EPA 5030 (soil)</b>										
<b>Blank (B8F0804-BLK1)</b>					Prepared: 06/08/2018 Analyzed: 06/08/2018					
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	71		ug/kg	62.5		114	70-130			
Surrogate: Toluene-d8	58		"	62.5		92.8	70-130			
Surrogate: 4-Bromofluorobenzene	58		"	62.5		93.3	70-130			

Origins Laboratory, Inc.



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

Tasman Geosciences  
6899 Pecos Street, Unit C  
Denver CO 80211

Brandon Brunns  
Project Number: [none]  
Project: SRC - Stephens 7-11,12

**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
<b>Batch B8F0804 - EPA 5030 (soil)</b>										
<b>Blank (B8F0804-BLK2)</b>					Prepared: 06/08/2018 Analyzed: 06/08/2018					
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	70		ug/kg	62.5		112	70-130			
Surrogate: Toluene-d8	58		"	62.5		93.4	70-130			
Surrogate: 4-Bromofluorobenzene	58		"	62.5		93.6	70-130			

Origins Laboratory, Inc.



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

Tasman Geosciences  
6899 Pecos Street, Unit C  
Denver CO 80211

Brandon Brunns  
Project Number: [none]  
Project: SRC - Stephens 7-11,12

**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
<b>Batch B8F0804 - EPA 5030 (soil)</b>										
<b>LCS (B8F0804-BS1)</b>					Prepared: 06/08/2018 Analyzed: 06/08/2018					
Benzene	0.109	0.002	mg/kg	0.100		109	77.1-124			
Toluene	0.095	0.002	"	0.100		94.9	74.5-128			
Ethylbenzene	0.092	0.002	"	0.100		92.1	66.4-127			
m,p-Xylene	0.179	0.004	"	0.200		89.4	76.6-124			
o-Xylene	0.094	0.002	"	0.100		93.7	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	75		ug/kg	62.5		120	70-130			
Surrogate: Toluene-d8	59		"	62.5		93.8	70-130			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		95.2	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

Brandon Brunns  
Project Number: [none]  
Project: SRC - Stephens 7-11,12

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

**Batch B8F0804 - EPA 5030 (soil)**

**LCS (B8F0804-BS2)**

Prepared: 06/08/2018 Analyzed: 06/08/2018

Benzene	0.094	0.002	mg/kg	0.100		94.2	77.1-124			
Toluene	0.084	0.002	"	0.100		84.4	74.5-128			
Ethylbenzene	0.081	0.002	"	0.100		81.3	66.4-127			
m,p-Xylene	0.158	0.004	"	0.200		79.1	76.6-124			
o-Xylene	0.082	0.002	"	0.100		81.9	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	70		ug/kg	62.5		112	70-130			
Surrogate: Toluene-d8	59		"	62.5		93.6	70-130			
Surrogate: 4-Bromofluorobenzene	59		"	62.5		95.0	70-130			

Origins Laboratory, Inc.



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

Tasman Geosciences  
6899 Pecos Street, Unit C  
Denver CO 80211

Brandon Bruns  
Project Number: [none]  
Project: SRC - Stephens 7-11,12

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

**Batch B8F0804 - EPA 5030 (soil)**

Matrix Spike (B8F0804-MS1)		Source: Y806098-01			Prepared: 06/08/2018 Analyzed: 06/08/2018					
Benzene	0.098	0.002	mg/kg	0.100	ND	98.3	71.8-126			
Toluene	0.084	0.002	"	0.100	ND	84.3	65.1-130			
Ethylbenzene	0.084	0.002	"	0.100	ND	83.5	62.2-130			
m,p-Xylene	0.162	0.004	"	0.200	ND	81.2	46.5-137			
o-Xylene	0.086	0.002	"	0.100	ND	85.5	54.2-134			
Surrogate: 1,2-Dichloroethane-d4	72		ug/kg	62.5		116	70-130			
Surrogate: Toluene-d8	59		"	62.5		93.7	70-130			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		96.5	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

Brandon Brunns  
Project Number: [none]  
Project: SRC - Stephens 7-11,12

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

**Batch B8F0804 - EPA 5030 (soil)**

Matrix Spike (B8F0804-MS2)		Source: Y806092-02			Prepared: 06/08/2018 Analyzed: 06/08/2018					
Benzene	0.100	0.002	mg/kg	0.100	ND	99.7	71.8-126			
Toluene	0.088	0.002	"	0.100	ND	88.2	65.1-130			
Ethylbenzene	0.090	0.002	"	0.100	ND	89.8	62.2-130			
m,p-Xylene	0.172	0.004	"	0.200	ND	86.1	46.5-137			
o-Xylene	0.090	0.002	"	0.100	ND	90.1	54.2-134			
Surrogate: 1,2-Dichloroethane-d4	66		ug/kg	62.5		105	70-130			
Surrogate: Toluene-d8	59		"	62.5		94.4	70-130			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		96.4	70-130			

Origins Laboratory, Inc.



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

Tasman Geosciences  
6899 Pecos Street, Unit C  
Denver CO 80211

Brandon Brunns  
Project Number: [none]  
Project: SRC - Stephens 7-11,12

**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
<b>Batch B8F0804 - EPA 5030 (soil)</b>										
<b>Matrix Spike Dup (B8F0804-MSD1)</b>		<b>Source: Y806098-01</b>			Prepared: 06/08/2018 Analyzed: 06/08/2018					
Benzene	0.097	0.002	mg/kg	0.100	ND	96.6	71.8-126	1.70	11.3	
Toluene	0.084	0.002	"	0.100	ND	83.7	65.1-130	0.714	15.4	
Ethylbenzene	0.084	0.002	"	0.100	ND	83.8	62.2-130	0.263	19.6	
m,p-Xylene	0.162	0.004	"	0.200	ND	81.1	46.5-137	0.0739	19.2	
o-Xylene	0.085	0.002	"	0.100	ND	85.1	54.2-134	0.422	17.9	
Surrogate: 1,2-Dichloroethane-d4	70		ug/kg	62.5		112	70-130			
Surrogate: Toluene-d8	59		"	62.5		93.7	70-130			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		96.4	70-130			

Origins Laboratory, Inc.



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





Tasman Geosciences  
6899 Pecos Street, Unit C  
Denver CO 80211

Brandon Brunns  
Project Number: [none]  
Project: SRC - Stephens 7-11,12

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

#### Batch B8F0805 - EPA 3550B

<b>Blank (B8F0805-BLK1)</b>				Prepared: 06/08/2018 Analyzed: 06/08/2018						
Diesel (C10-C28)	ND	50.0	mg/kg							U
Surrogate: o-Terphenyl	45		"	50.0		89.9	59-131			
<b>Blank (B8F0805-BLK2)</b>				Prepared: 06/08/2018 Analyzed: 06/08/2018						
Diesel (C10-C28)	ND	50.0	mg/kg							U
Surrogate: o-Terphenyl	46		"	50.0		92.8	59-131			
<b>LCS (B8F0805-BS1)</b>				Prepared: 06/08/2018 Analyzed: 06/08/2018						
Diesel (C10-C28)	833	50.0	mg/kg	1000		83.3	64-121			
Surrogate: o-Terphenyl	47		"	50.0		93.2	59-131			
<b>LCS (B8F0805-BS2)</b>				Prepared: 06/08/2018 Analyzed: 06/08/2018						
Diesel (C10-C28)	865	50.0	mg/kg	1000		86.5	64-121			
Surrogate: o-Terphenyl	51		"	50.0		102	59-131			
<b>Matrix Spike (B8F0805-MS1)</b>				<b>Source: Y806098-01</b>		Prepared: 06/08/2018 Analyzed: 06/08/2018				
Diesel (C10-C28)	834	50.0	mg/kg	1000	13.6	82.0	53-125			
Surrogate: o-Terphenyl	44		"	50.0		88.9	59-131			
<b>Matrix Spike (B8F0805-MS2)</b>				<b>Source: Y806092-02</b>		Prepared: 06/08/2018 Analyzed: 06/08/2018				
Diesel (C10-C28)	832	50.0	mg/kg	1000	ND	83.2	53-125			
Surrogate: o-Terphenyl	49		"	50.0		98.0	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

Brandon Bruns  
Project Number: [none]  
Project: SRC - Stephens 7-11,12

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

### Batch B8F0805 - EPA 3550B

<b>Matrix Spike Dup (B8F0805-MSD1)</b>		<b>Source: Y806098-01</b>			Prepared: 06/08/2018 Analyzed: 06/08/2018					
Diesel (C10-C28)	805	50.0	mg/kg	1000	13.6	79.1	53-125	3.56	20	
Surrogate: o-Terphenyl	42		"	50.0		83.4	59-131			
<b>Matrix Spike Dup (B8F0805-MSD2)</b>		<b>Source: Y806092-02</b>			Prepared: 06/08/2018 Analyzed: 06/08/2018					
Diesel (C10-C28)	827	50.0	mg/kg	1000	ND	82.7	53-125	0.611	20	
Surrogate: o-Terphenyl	49		"	50.0		98.2	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

Brandon Bruns

Project Number: [none]

Project: SRC - Stephens 7-11,12

### 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