

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

May 05, 2015

Carter Peace
Tasman Geosciences
6899 Pecos Street
Denver, CO 80221
RE: Sooner 13-16

Enclosed are the results of analyses for samples received by Summit Scientific on 04/23/15 17:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Paul Shrewsbury
President



Tasman Geosciences
6899 Pecos Street
Denver CO, 80221

Project: Sooner 13-16

Project Number: [none]
Project Manager: Carter Peace

Reported:
05/05/15 14:30

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01	1504216-01	Water	04/23/15 00:00	04/23/15 17:00
MW02	1504216-02	Water	04/23/15 00:00	04/23/15 17:00
MW03	1504216-03	Water	04/23/15 00:00	04/23/15 17:00
MW04	1504216-04	Water	04/23/15 00:00	04/23/15 17:00
MW05	1504216-05	Water	04/23/15 00:00	04/23/15 17:00
MW06	1504216-06	Water	04/23/15 00:00	04/23/15 17:00
MW07	1504216-07	Water	04/23/15 00:00	04/23/15 17:00
MW08	1504216-08	Water	04/23/15 00:00	04/23/15 17:00
MW09	1504216-09	Water	04/23/15 00:00	04/23/15 17:00
MW10	1504216-10	Water	04/23/15 00:00	04/23/15 17:00

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6899 Pecos Street
Denver CO, 80221

Project: Sooner 13-16

Project Number: [none]
Project Manager: Carter Peace

Reported:
05/05/15 14:30

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1504214

741 Corporate Circle Suite I • Golden, Colorado 80401
303-277-9310 • 303-374-5933 Fax

Page 1 of 1

Client: TASMAN / FOUNDATION (INVOICING)
Address: _____
City/State/Zip: _____
Phone: _____ Fax: _____
Sampler Name: CAP

Project Manager: C. PEACE
E-Mail: _____
Project Name: SOONER 13-16
Project Number: _____

Sample Description	Date Sampled	Time Sampled	Number of Containers	Preservative				Matrix			Analyze For:			Special Instructions	
				HCl	HNO ₃	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)	826 GBTEX	8260B GBTEXN		8015 DFO
MW01	4/23/15		3	X								X			
MW02															
MW03															
MW04															
MW05			2	X											HOLD
MW06			2	X											HOLD
MW07			2	X											HOLD
MW08															
MW09															
MW10															
Relinquished by:		Date/Time:	Received by:		Date/Time:		Turn Around Time (Check)			Notes:					
							Same Day	<input type="checkbox"/>	72 Hours	<input type="checkbox"/>	HOLD MW05, MW06, MW07 on ice				
							24 Hours	<input type="checkbox"/>	Standard	<input checked="" type="checkbox"/>					
							48 Hours	<input type="checkbox"/>							
Relinquished by:		Date/Time:	Received in Lab by:		Date/Time:		Sample Integrity:								
		4/23/15 1700			4/23/15 1700		Temperature Upon Receipt:	0.1°C							
							Intact:	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>					

4/23/15 1730 1236
www.s2scientific.com



Tasman Geosciences
6899 Pecos Street
Denver CO, 80221

Project: Sooner 13-16

Project Number: [none]
Project Manager: Carter Peace

Reported:
05/05/15 14:30

Sample Receipt Checklist

S2 Work Order: 1504216

Client: Tasman Client Project ID: Sooner 13-16

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

Matrix (check all that apply): Air Soil/Solid Water Other: _____
(Describe)

Cooler ID					
Temp (°C)	<u>.10</u>				

Thermometer ID: 61857155-K

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature just above 0°C to ≤ 6°C ⁽¹⁾ ? NOTE: If samples are delivered the same day of sampling, this requirement is waived provided that there is evidence that cooling has begun.	<u>X</u>			
Were all samples received intact ⁽¹⁾ ?	<u>X</u>			
Was adequate sample volume provided ⁽¹⁾ ?	<u>X</u>			
If custody seals are present, are they intact ⁽¹⁾ ?			<u>X</u>	
Are short holding time analytes or samples with HTs due within 48 hours present?			<u>X</u>	
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	<u>X</u>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<u>X</u>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<u>X</u>			
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<u>X</u>			
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.		<u>X</u>		
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ? Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, etc.	<u>X</u>			<u>HCl</u>
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ? Record the pH in Comments.			<u>X</u>	
If dissolved metals are requested, were samples field filtered?			<u>X</u>	
Additional Comments (if any):				

⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.

Aisha Odham
Custodian Printed Name

AO
Signature or Initials of Custodian

4/24/15 1130
Date/Time



Tasman Geosciences
6899 Pecos Street
Denver CO, 80221

Project: Sooner 13-16

Project Number: [none]
Project Manager: Carter Peace

Reported:
05/05/15 14:30

MW01
1504216-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/23/15 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1504282	04/28/15	04/30/15	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	4.8	1.0	"	"	"	"	"	"	

Date Sampled: **04/23/15 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		112 %	37-154		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		95.3 %	45-149		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		99.8 %	45-146		"	"	"	"	

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Project: Sooner 13-16

Project Number: [none]
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Reported:
05/05/15 14:30

MW02
1504216-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/23/15 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1504282	04/28/15	04/30/15	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **04/23/15 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		114 %	37-154		"	"	"	"	
Surrogate: Toluene-d8		96.0 %	45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.2 %	45-146		"	"	"	"	

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Project: Sooner 13-16

Project Number: [none]
Project Manager: Carter Peace

Reported:
05/05/15 14:30

MW03
1504216-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/23/15 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1504282	04/28/15	04/30/15	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **04/23/15 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>114 %</i>	<i>37-154</i>		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		<i>95.6 %</i>	<i>45-149</i>		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>99.8 %</i>	<i>45-146</i>		"	"	"	"	

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Project: Sooner 13-16

Project Number: [none]
Project Manager: Carter Peace

Reported:
05/05/15 14:30

MW04
1504216-04 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/23/15 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1504282	04/28/15	04/30/15	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **04/23/15 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		115 %	37-154		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		96.8 %	45-149		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		102 %	45-146		"	"	"	"	

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Project: Sooner 13-16

Project Number: [none]
Project Manager: Carter Peace

Reported:
05/05/15 14:30

MW05
1504216-05 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/23/15 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	900	100	ug/l	100	1504318	04/30/15	05/01/15	EPA 8260B	
Toluene	18	1.0	"	1	"	"	"	"	
Ethylbenzene	470	100	"	100	"	"	"	"	
Xylenes (total)	2400	100	"	"	"	"	"	"	

Date Sampled: **04/23/15 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		109 %	37-154		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		95.5 %	45-149		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		102 %	45-146		"	"	"	"	

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Project Manager: Carter Peace

Reported:
05/05/15 14:30

MW06
1504216-06 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/23/15 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	2100	100	ug/l	100	1504318	04/30/15	05/01/15	EPA 8260B	
Toluene	2700	100	"	"	"	"	"	"	
Ethylbenzene	500	100	"	"	"	"	"	"	
Xylenes (total)	3300	100	"	"	"	"	"	"	

Date Sampled: **04/23/15 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		110 %	37-154		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		95.6 %	45-149		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		98.9 %	45-146		"	"	"	"	

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Project: Sooner 13-16

Project Number: [none]
Project Manager: Carter Peace

Reported:
05/05/15 14:30

MW07
1504216-07 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/23/15 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	970	100	ug/l	100	1504318	04/30/15	05/01/15	EPA 8260B	
Toluene	1400	100	"	"	"	"	"	"	
Ethylbenzene	500	100	"	"	"	"	"	"	
Xylenes (total)	3800	100	"	"	"	"	"	"	

Date Sampled: **04/23/15 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		113 %	37-154		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		95.5 %	45-149		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		100 %	45-146		"	"	"	"	

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Denver CO, 80221

Project: Sooner 13-16

Project Number: [none]
Project Manager: Carter Peace

Reported:
05/05/15 14:30

MW08
1504216-08 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/23/15 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	5.4	1.0	ug/l	1	1504282	04/28/15	04/30/15	EPA 8260B	
Toluene	1.0	1.0	"	"	"	"	"	"	
Ethylbenzene	18	1.0	"	"	"	"	"	"	
Xylenes (total)	140	1.0	"	"	"	"	"	"	

Date Sampled: **04/23/15 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		114 %	37-154		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.9 %	45-149		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		97.9 %	45-146		"	"	"	"	

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Project: Sooner 13-16

Project Number: [none]
Project Manager: Carter Peace

Reported:
05/05/15 14:30

MW09
1504216-09 (Water)

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Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/23/15 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	130	1.0	ug/l	1	1504282	04/28/15	04/30/15	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	11	1.0	"	"	"	"	"	"	
Xylenes (total)	3.8	1.0	"	"	"	"	"	"	

Date Sampled: **04/23/15 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		112 %	37-154		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		96.8 %	45-149		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		101 %	45-146		"	"	"	"	

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Denver CO, 80221

Project: Sooner 13-16

Project Number: [none]
Project Manager: Carter Peace

Reported:
05/05/15 14:30

MW10
1504216-10 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/23/15 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	72	1.0	ug/l	1	1504282	04/28/15	04/30/15	EPA 8260B	
Toluene	220	1.0	"	"	"	"	"	"	
Ethylbenzene	120	1.0	"	"	"	"	"	"	
Xylenes (total)	660	1.0	"	"	"	"	"	"	

Date Sampled: **04/23/15 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		113 %	37-154		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		100 %	45-149		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		96.8 %	45-146		"	"	"	"	

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Project: Sooner 13-16

Project Number: [none]
Project Manager: Carter Peace

Reported:
05/05/15 14:30

Volatile Organic Compounds by EPA Method 8260B - Quality Control

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

Batch 1504282 - EPA 5030 Water MS

Blank (1504282-BLK1)

Prepared & Analyzed: 04/28/15

Naphthalene	ND	1.0	ug/l							
Benzene	ND	1.0	"							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	1.0	"							
Gasoline Range Hydrocarbons	ND	500	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	14.4		"	13.2		109	37-154			
<i>Surrogate: Toluene-d8</i>	12.8		"	13.3		95.9	45-149			
<i>Surrogate: 4-Bromofluorobenzene</i>	13.7		"	13.3		103	45-146			

LCS (1504282-BS1)

Prepared & Analyzed: 04/28/15

Naphthalene	ND	1.0	ug/l				76-128			
Benzene	28.5	1.0	"	33.3		85.6	51-132			
Toluene	30.2	1.0	"	33.3		90.6	51-138			
Ethylbenzene	32.6	1.0	"	33.1		98.6	58-146			
m,p-Xylene	66.3	2.0	"	66.5		99.6	57-144			
o-Xylene	33.8	1.0	"	32.8		103	53-146			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	14.6		"	13.2		111	37-154			
<i>Surrogate: Toluene-d8</i>	13.1		"	13.3		98.4	45-149			
<i>Surrogate: 4-Bromofluorobenzene</i>	13.0		"	13.3		97.1	45-146			

Matrix Spike (1504282-MS1)

Source: 1504244-02

Prepared & Analyzed: 04/29/15

Naphthalene	ND	1.0	ug/l		ND		73-132			
Benzene	28.2	1.0	"	33.3	ND	84.7	34-141			
Toluene	28.8	1.0	"	33.3	ND	86.5	27-151			
Ethylbenzene	31.8	1.0	"	33.1	ND	96.2	29-160			
m,p-Xylene	64.9	2.0	"	66.5	ND	97.6	20-166			
o-Xylene	33.1	1.0	"	32.8	ND	101	33-159			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	14.8		"	13.2		112	37-154			
<i>Surrogate: Toluene-d8</i>	12.8		"	13.3		95.8	45-149			
<i>Surrogate: 4-Bromofluorobenzene</i>	12.7		"	13.3		95.5	45-146			

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6899 Pecos Street
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Project: Sooner 13-16

Project Number: [none]
Project Manager: Carter Peace

Reported:
05/05/15 14:30

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

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

Batch 1504282 - EPA 5030 Water MS

Matrix Spike Dup (1504282-MSD1)

Source: 1504244-02

Prepared & Analyzed: 04/29/15

Naphthalene	ND	1.0	ug/l		ND		73-132		23	
Benzene	29.4	1.0	"	33.3	ND	88.4	34-141	4.23	32	
Toluene	30.8	1.0	"	33.3	ND	92.5	27-151	6.77	25	
Ethylbenzene	32.4	1.0	"	33.1	ND	98.1	29-160	1.99	50	
m,p-Xylene	66.6	2.0	"	66.5	ND	100	20-166	2.51	36	
o-Xylene	34.1	1.0	"	32.8	ND	104	33-159	2.91	26	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>16.2</i>		<i>"</i>	<i>13.2</i>		<i>122</i>	<i>37-154</i>			
<i>Surrogate: Toluene-d8</i>	<i>13.1</i>		<i>"</i>	<i>13.3</i>		<i>98.5</i>	<i>45-149</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>13.1</i>		<i>"</i>	<i>13.3</i>		<i>98.3</i>	<i>45-146</i>			

Batch 1504318 - EPA 5030 Water MS

Blank (1504318-BLK1)

Prepared & Analyzed: 05/01/15

Naphthalene	ND	1.0	ug/l							
Benzene	ND	1.0	"							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	1.0	"							
Gasoline Range Hydrocarbons	ND	500	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>13.7</i>		<i>"</i>	<i>13.2</i>		<i>104</i>	<i>37-154</i>			
<i>Surrogate: Toluene-d8</i>	<i>13.1</i>		<i>"</i>	<i>13.3</i>		<i>98.6</i>	<i>45-149</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>12.2</i>		<i>"</i>	<i>13.3</i>		<i>91.9</i>	<i>45-146</i>			

LCS (1504318-BS1)

Prepared & Analyzed: 05/01/15

Naphthalene	53.1	1.0	ug/l	50.0		106	76-128			
Benzene	50.4	1.0	"	50.0		101	51-132			
Toluene	50.1	1.0	"	50.0		100	51-138			
Ethylbenzene	51.8	1.0	"	50.0		104	58-146			
m,p-Xylene	103	2.0	"	100		103	57-144			
o-Xylene	51.2	1.0	"	50.0		102	53-146			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>13.2</i>		<i>"</i>	<i>13.2</i>		<i>100</i>	<i>37-154</i>			
<i>Surrogate: Toluene-d8</i>	<i>13.4</i>		<i>"</i>	<i>13.3</i>		<i>100</i>	<i>45-149</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>13.4</i>		<i>"</i>	<i>13.3</i>		<i>100</i>	<i>45-146</i>			

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Tasman Geosciences
6899 Pecos Street
Denver CO, 80221

Project: Sooner 13-16

Project Number: [none]
Project Manager: Carter Peace

Reported:
05/05/15 14:30

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

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

Batch 1504318 - EPA 5030 Water MS

Matrix Spike (1504318-MS1)	Source: 1504291-01			Prepared & Analyzed: 05/01/15								
Naphthalene	58.7	1.0	ug/l	50.0	ND	117	73-132					
Benzene	52.4	1.0	"	50.0	ND	105	34-141					
Toluene	52.7	1.0	"	50.0	ND	105	27-151					
Ethylbenzene	54.0	1.0	"	50.0	ND	108	29-160					
m,p-Xylene	108	2.0	"	100	ND	108	20-166					
o-Xylene	53.7	1.0	"	50.0	ND	107	33-159					
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>13.6</i>		<i>"</i>	<i>13.2</i>		<i>103</i>	<i>37-154</i>					
<i>Surrogate: Toluene-d8</i>	<i>13.4</i>		<i>"</i>	<i>13.3</i>		<i>101</i>	<i>45-149</i>					
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>13.5</i>		<i>"</i>	<i>13.3</i>		<i>101</i>	<i>45-146</i>					

Matrix Spike Dup (1504318-MSD1)	Source: 1504291-01			Prepared & Analyzed: 05/01/15								
Naphthalene	53.8	1.0	ug/l	50.0	ND	108	73-132	8.64	23			
Benzene	52.8	1.0	"	50.0	ND	106	34-141	0.665	32			
Toluene	52.9	1.0	"	50.0	ND	106	27-151	0.378	25			
Ethylbenzene	54.5	1.0	"	50.0	ND	109	29-160	0.811	50			
m,p-Xylene	109	2.0	"	100	ND	109	20-166	1.10	36			
o-Xylene	53.2	1.0	"	50.0	ND	106	33-159	0.786	26			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>13.2</i>		<i>"</i>	<i>13.2</i>		<i>100</i>	<i>37-154</i>					
<i>Surrogate: Toluene-d8</i>	<i>13.5</i>		<i>"</i>	<i>13.3</i>		<i>101</i>	<i>45-149</i>					
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>13.5</i>		<i>"</i>	<i>13.3</i>		<i>101</i>	<i>45-146</i>					

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Tasman Geosciences
6899 Pecos Street
Denver CO, 80221

Project: Sooner 13-16

Project Number: [none]
Project Manager: Carter Peace

Reported:
05/05/15 14:30

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

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