



**Table 1 - Soil Analytical Data**

**Memorial Resource Development  
FTC Tank Battery  
Larimer County, Colorado**

Sample ID	Lab ID	Date Sampled	Concentration (mg/kg)						
			Benzene	Toluene	Ethyl-Benzene	Xylenes	GRO	DRO	TPH
COGCC Table 910-1 Concentration Levels			0.17	85	100	175	NA	NA	500
A1	1606020-01	06/02/16	<0.0020	<0.0050	<0.0050	<0.0050	1.5	930	931.5
	1606167-01	06/16/16	NA	NA	NA	NA	NA	310	310
A2	1606020-02	06/02/16	<0.0020	<0.0050	<0.0050	<0.0050	1.3	1100	1101.3
	1606167-02	06/16/16	NA	NA	NA	NA	NA	420	420
A3	1606020-03	06/02/16	<0.0020	<0.0050	<0.0050	<0.0050	1.8	1000	1001.8
	1606167-03	06/16/16	NA	NA	NA	NA	NA	460	460
A4	1606020-04	06/02/16	<0.0020	<0.0050	<0.0050	<0.0050	0.87	1500	1500.87
	1606167-04	06/16/16	NA	NA	NA	NA	NA	650	650
	1606246-01	06/23/16	NA	NA	NA	NA	NA	880	880
A5	1606020-05	06/02/16	<0.0020	<0.0050	<0.0050	<0.0050	0.7	1500	1500.7
	1606167-05	06/16/16	NA	NA	NA	NA	NA	430	430
A6	1606020-06	06/02/16	<0.0020	<0.0050	<0.0050	<0.0050	1.1	1300	1301.1
	1606246-02	06/23/16	NA	NA	NA	NA	NA	350	350
A7	1606020-07	06/02/16	<0.0020	<0.0050	<0.0050	<0.0050	1.3	1000	1001.3
	1606246-03	06/23/16	NA	NA	NA	NA	NA	160	160
A8	1606020-08	06/02/16	<0.0020	<0.0050	<0.0050	<0.0050	1.7	1100	1101.7
	1606246-04	06/23/16	NA	NA	NA	NA	NA	470	470
A9	1606020-09	06/02/16	<0.0020	<0.0050	<0.0050	<0.0050	1.5	1000	1001.5
	1606246-05	06/23/16	NA	NA	NA	NA	NA	280	280
A10	1606020-10	06/02/16	<0.0020	<0.0050	<0.0050	<0.0050	0.82	990	990.82
	1606246-06	06/23/16	NA	NA	NA	NA	NA	380	380
A11	1606020-11	06/02/16	<0.0020	<0.0050	<0.0050	<0.0050	1	1100	1101
	1606246-07	06/23/16	NA	NA	NA	NA	NA	270	270
A12	1606132-01	06/10/16	NA	NA	NA	NA	NA	54	54
A13	1606132-02	06/10/16	NA	NA	NA	NA	NA	<50	<50
A14	1606132-03	06/10/16	NA	NA	NA	NA	NA	<50	<50
A15	1606132-04	06/10/16	NA	NA	NA	NA	NA	81	81
A16	1606132-05	06/10/16	NA	NA	NA	NA	NA	60	60
A17	1606132-06	06/10/16	NA	NA	NA	NA	NA	75	75
A18	1606132-07	06/10/16	NA	NA	NA	NA	NA	490	490
A19	1606132-08	06/10/16	NA	NA	NA	NA	NA	91	91
A20	1606132-09	06/10/16	NA	NA	NA	NA	NA	93	93
A21	1606246-08	06/23/16	NA	NA	NA	NA	NA	140	140



**Table 1 - Soil Analytical Data**

**Memorial Resource Development  
FTC Tank Battery  
Larimer County, Colorado**

Sample ID	Lab ID	Date Sampled	Concentration (mg/kg)						
			Benzene	Toluene	Ethyl-Benzene	Xylenes	GRO	DRO	TPH
COGCC Table 910-1 Concentration Levels			0.17	85	100	175	NA	NA	500

mg/kg - milligrams per kilogram

< - Analytical result is less than the reporting limit

COGCC - Colorado Oil and Gas Conservation Commission

GRO - Gasoline Range Organics

DRO - Diesel Range Organics

TPH - Total Petroleum Hydrocarbons (Combined GRO/DRO)

NA - Not Analyzed

# Summit Scientific

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741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

June 07, 2016

Colby Sterling  
Talon/LPE  
1811 E Mulberry  
Ft Collins, CO 80524  
RE: Memorial FTC Tanks

Enclosed are the results of analyses for samples received by Summit Scientific on 06/02/16 17:50. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury  
President



Talon/LPE  
1811 E Mulberry  
Ft Collins CO, 80524

Project: Memorial FTC Tanks

Project Number: 701959.001.009  
Project Manager: Colby Sterling

**Reported:**  
06/07/16 14:33

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
A1	1606020-01	Soil	06/02/16 12:50	06/02/16 17:50
A2	1606020-02	Soil	06/02/16 12:55	06/02/16 17:50
A3	1606020-03	Soil	06/02/16 13:00	06/02/16 17:50
A4	1606020-04	Soil	06/02/16 13:05	06/02/16 17:50
A5	1606020-05	Soil	06/02/16 13:10	06/02/16 17:50
A6	1606020-06	Soil	06/02/16 13:15	06/02/16 17:50
A7	1606020-07	Soil	06/02/16 13:20	06/02/16 17:50
A8	1606020-08	Soil	06/02/16 13:25	06/02/16 17:50
A9	1606020-09	Soil	06/02/16 13:30	06/02/16 17:50
A10	1606020-10	Soil	06/02/16 13:35	06/02/16 17:50
A11	1606020-11	Soil	06/02/16 13:40	06/02/16 17:50

Summit Scientific

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Talon/LPE  
1811 E Mulberry  
Ft Collins CO, 80524

Project: Memorial FTC Tanks

Project Number: 701959.001.009  
Project Manager: Colby Sterling

Reported:  
06/07/16 14:33

# Summit Scientific

741 Corporate Circle Suite 1 • Golden, Colorado 80401  
303-277-9310 • 303-374-5933 Fax

1606020.1

Page 1 of 2

Client: Talon LPE  
Address: 1811 E Mulberry  
City/State/Zip: Ft Collins CO 80524  
Phone: 970 818 5330 Fax:  
Sampler Name: J. Leventon

Project Manager: Colby Sterling  
E-Mail: csterling@talonlpe.com  
Project Name: Memorial Ftr Tanks  
Project Number: 701959.001.09

Sample Description	Date Sampled	Time Sampled	Number of Containers	Preservative				Matrix			Analyze For:				Special Instructions
				HCl	HNO <sub>3</sub>	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)	TPH	BTEX		
A1	6-2-16	12:50	1			X		X			X	X			
A2		12:55													
A3		13:00													
A4		13:05													
A5		13:10													
A6		13:15													
A7		13:20													
A8		13:25													
A9		13:30													
A10		13:35													
Relinquished by: <u>[Signature]</u> Date/Time: <u>6-2-16 17:50</u>				Received by: <u>[Signature]</u> Date/Time: <u>6-2-16 17:50</u>				Turn Around Time (Check) Same Day <input type="checkbox"/> 72 Hours <input checked="" type="checkbox"/> 24 Hours <input type="checkbox"/> Standard <input type="checkbox"/> 48 Hours <input type="checkbox"/>				Notes: <u>on file</u>			
Relinquished by: <u>[Signature]</u> Date/Time: <u>6-2-16 19:30</u>				Received by: <u>[Signature]</u> Date/Time: <u>6-2-16 19:30</u>				Sample Integrity: <u>20.6</u>							
Relinquished by:				Received in Lab by:				Temperature Upon Receipt: <u>20.6</u> Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>							

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Talon/LPE  
1811 E Mulberry  
Ft Collins CO, 80524

Project: Memorial FTC Tanks  
Project Number: 701959.001.009  
Project Manager: Colby Sterling

Reported:  
06/07/16 14:33

#### Sample Receipt Checklist

S2 Work Order: 1606020

Client: Talon

Client Project ID: Memorial FTC Tanks

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

Airbill #: \_\_\_\_\_

Matrix (check all that apply): ☐ Air ☒ Soil/Solid ☐ Water ☐ Other: \_\_\_\_\_  
(Describe)

Cooler ID					
Temp (°C)	<u>20.6°C</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 <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
NOTE: If samples are delivered the same day of sampling, this requirement is waived provided that there is evidence that cooling has begun.				
Were all samples received intact <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
If custody seals are present, are they intact <sup>(1)</sup> ?			<input checked="" type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) form 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 w/ date and time recorded <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) <sup>(1)</sup> ?			<input checked="" type="checkbox"/>	
Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect				
If samples are acid preserved for metals, is the pH ≤ 2 <sup>(1)</sup> ?			<input checked="" type="checkbox"/>	
Record the pH in Comments.				
If dissolved metals are requested, were samples field filtered?			<input checked="" type="checkbox"/>	
Additional Comments (if any):				
<sup>(1)</sup> If NO, then contact the client before proceeding with analysis and note in case narrative.				

Mindy March  
Custodian Printed Name

MS  
Signature or Initials of Custodian

6/3/16 1154  
Date/Time



Talon/LPE  
1811 E Mulberry  
Ft Collins CO, 80524

Project: Memorial FTC Tanks  
Project Number: 701959.001.009  
Project Manager: Colby Sterling

Reported:  
06/07/16 14:33

**A1**  
**1606020-01 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/02/16 12:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>C10-C28 (DRO)</b>	<b>930</b>	50	mg/kg	1	1606031	06/03/16	06/03/16	8015M	

Date Sampled: **06/02/16 12:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		139 %	70-130		"	"	"	"	S-02

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **06/02/16 12:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1606034	06/03/16	06/06/16	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>1.5</b>	0.50	"	"	"	"	"	"	

Date Sampled: **06/02/16 12:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		114 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		102 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		104 %	21-167		"	"	"	"	

Summit Scientific

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Talon/LPE  
1811 E Mulberry  
Ft Collins CO, 80524

Project: Memorial FTC Tanks  
Project Number: 701959.001.009  
Project Manager: Colby Sterling

Reported:  
06/07/16 14:33

**A2**  
**1606020-02 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/02/16 12:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	1100	50	mg/kg	1	1606031	06/03/16	06/03/16	8015M	

Date Sampled: **06/02/16 12:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		122 %	70-130		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **06/02/16 12:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1606034	06/03/16	06/04/16	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	1.3	0.50	"	"	"	"	"	"	

Date Sampled: **06/02/16 12:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		103 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		101 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	21-167		"	"	"	"	

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Talon/LPE  
1811 E Mulberry  
Ft Collins CO, 80524

Project: Memorial FTC Tanks  
Project Number: 701959.001.009  
Project Manager: Colby Sterling

Reported:  
06/07/16 14:33

**A3**  
**1606020-03 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/02/16 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	1000	50	mg/kg	1	1606031	06/03/16	06/03/16	8015M	

Date Sampled: **06/02/16 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		117 %	70-130		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **06/02/16 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1606034	06/03/16	06/04/16	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	1.8	0.50	"	"	"	"	"	"	

Date Sampled: **06/02/16 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		105 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		104 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		103 %	21-167		"	"	"	"	

Summit Scientific

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Talon/LPE  
1811 E Mulberry  
Ft Collins CO, 80524

Project: Memorial FTC Tanks  
Project Number: 701959.001.009  
Project Manager: Colby Sterling

Reported:  
06/07/16 14:33

**A4**  
**1606020-04 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/02/16 13:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	1500	50	mg/kg	1	1606031	06/03/16	06/03/16	8015M	

Date Sampled: **06/02/16 13:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		194 %	70-130		"	"	"	"	S-02

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **06/02/16 13:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1606034	06/03/16	06/04/16	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	0.87	0.50	"	"	"	"	"	"	

Date Sampled: **06/02/16 13:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		104 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		103 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	21-167		"	"	"	"	

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Talon/LPE  
1811 E Mulberry  
Ft Collins CO, 80524

Project: Memorial FTC Tanks  
Project Number: 701959.001.009  
Project Manager: Colby Sterling

**Reported:**  
06/07/16 14:33

**A5**  
**1606020-05 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/02/16 13:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>C10-C28 (DRO)</b>	<b>1500</b>	50	mg/kg	1	1606031	06/03/16	06/03/16	8015M	

Date Sampled: **06/02/16 13:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		194 %	70-130		"	"	"	"	S-02

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **06/02/16 13:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1606034	06/03/16	06/04/16	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>0.70</b>	0.50	"	"	"	"	"	"	

Date Sampled: **06/02/16 13:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		106 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		102 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		103 %	21-167		"	"	"	"	

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Talon/LPE  
1811 E Mulberry  
Ft Collins CO, 80524

Project: Memorial FTC Tanks  
Project Number: 701959.001.009  
Project Manager: Colby Sterling

Reported:  
06/07/16 14:33

**A6**  
**1606020-06 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/02/16 13:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	1300	50	mg/kg	1	1606031	06/03/16	06/03/16	8015M	

Date Sampled: **06/02/16 13:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		171 %	70-130		"	"	"	"	S-02

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **06/02/16 13:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1606034	06/03/16	06/04/16	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	1.1	0.50	"	"	"	"	"	"	

Date Sampled: **06/02/16 13:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		105 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		101 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	21-167		"	"	"	"	

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1811 E Mulberry  
Ft Collins CO, 80524

Project: Memorial FTC Tanks  
Project Number: 701959.001.009  
Project Manager: Colby Sterling

**Reported:**  
06/07/16 14:33

**A7**  
**1606020-07 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/02/16 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>C10-C28 (DRO)</b>	<b>1000</b>	50	mg/kg	1	1606031	06/03/16	06/03/16	8015M	

Date Sampled: **06/02/16 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		110 %	70-130		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **06/02/16 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1606034	06/03/16	06/04/16	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>1.3</b>	0.50	"	"	"	"	"	"	

Date Sampled: **06/02/16 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		105 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		102 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		101 %	21-167		"	"	"	"	

Summit Scientific

*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.*



Talon/LPE  
1811 E Mulberry  
Ft Collins CO, 80524

Project: Memorial FTC Tanks  
Project Number: 701959.001.009  
Project Manager: Colby Sterling

Reported:  
06/07/16 14:33

**A8**  
**1606020-08 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/02/16 13:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	1100	50	mg/kg	1	1606031	06/03/16	06/03/16	8015M	

Date Sampled: **06/02/16 13:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		158 %	70-130		"	"	"	"	S-02

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **06/02/16 13:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1606034	06/03/16	06/04/16	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	1.7	0.50	"	"	"	"	"	"	

Date Sampled: **06/02/16 13:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		106 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		103 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		103 %	21-167		"	"	"	"	

Summit Scientific

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.



Talon/LPE  
1811 E Mulberry  
Ft Collins CO, 80524

Project: Memorial FTC Tanks  
Project Number: 701959.001.009  
Project Manager: Colby Sterling

Reported:  
06/07/16 14:33

**A9**  
**1606020-09 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/02/16 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	1000	50	mg/kg	1	1606031	06/03/16	06/03/16	8015M	

Date Sampled: **06/02/16 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		118 %	70-130		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **06/02/16 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1606034	06/03/16	06/04/16	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	1.5	0.50	"	"	"	"	"	"	

Date Sampled: **06/02/16 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		105 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		102 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		103 %	21-167		"	"	"	"	

Summit Scientific

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Talon/LPE  
1811 E Mulberry  
Ft Collins CO, 80524

Project: Memorial FTC Tanks  
Project Number: 701959.001.009  
Project Manager: Colby Sterling

Reported:  
06/07/16 14:33

**A10**  
**1606020-10 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/02/16 13:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	990	50	mg/kg	1	1606031	06/03/16	06/03/16	8015M	

Date Sampled: **06/02/16 13:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		126 %	70-130		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **06/02/16 13:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1606034	06/03/16	06/04/16	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	0.82	0.50	"	"	"	"	"	"	

Date Sampled: **06/02/16 13:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		103 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		104 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	21-167		"	"	"	"	

Summit Scientific

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Talon/LPE  
1811 E Mulberry  
Ft Collins CO, 80524

Project: Memorial FTC Tanks  
Project Number: 701959.001.009  
Project Manager: Colby Sterling

**Reported:**  
06/07/16 14:33

**A11**  
**1606020-11 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/02/16 13:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>C10-C28 (DRO)</b>	<b>1100</b>	50	mg/kg	1	1606031	06/03/16	06/03/16	8015M	

Date Sampled: **06/02/16 13:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		153 %	70-130		"	"	"	"	S-02

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **06/02/16 13:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1606034	06/03/16	06/04/16	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>1.0</b>	0.50	"	"	"	"	"	"	

Date Sampled: **06/02/16 13:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		101 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		101 %	21-167		"	"	"	"	

Summit Scientific

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Talon/LPE  
1811 E Mulberry  
Ft Collins CO, 80524

Project: Memorial FTC Tanks  
Project Number: 701959.001.009  
Project Manager: Colby Sterling

**Reported:**  
06/07/16 14:33

**Extractable Petroleum Hydrocarbons by 8015 - Quality Control**  
**Summit Scientific**

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

**Batch 1606031 - EPA 3550A**

**Blank (1606031-BLK1)**

Prepared & Analyzed: 06/03/16

C10-C28 (DRO) ND 50 mg/kg

Surrogate: o-Terphenyl 14.0 " 12.5 112 70-130

**LCS (1606031-BS1)**

Prepared & Analyzed: 06/03/16

C10-C28 (DRO) 541 50 mg/kg 499 108 50-150

Surrogate: o-Terphenyl 13.7 " 12.5 109 70-130

**Matrix Spike (1606031-MS1)**

Source: 1606020-01

Prepared & Analyzed: 06/03/16

C10-C28 (DRO) 1120 50 mg/kg 489 932 37.6 50-150 QM-07

Surrogate: o-Terphenyl 23.2 " 12.3 190 70-130 S-02

**Matrix Spike Dup (1606031-MSD1)**

Source: 1606020-01

Prepared & Analyzed: 06/03/16

C10-C28 (DRO) 1440 50 mg/kg 492 932 102 50-150 25.0 20 QM-07

Surrogate: o-Terphenyl 26.7 " 12.3 217 70-130 S-02

Summit Scientific

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Talon/LPE  
1811 E Mulberry  
Ft Collins CO, 80524

Project: Memorial FTC Tanks  
Project Number: 701959.001.009  
Project Manager: Colby Sterling

Reported:  
06/07/16 14:33

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

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

**Batch 1606034 - EPA 5030 Soil MS**

**Blank (1606034-BLK1)**

Prepared & Analyzed: 06/03/16

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0403		"	0.0400		101	23-173			
Surrogate: Toluene-d8	0.0386		"	0.0400		96.4	20-170			
Surrogate: 4-Bromofluorobenzene	0.0389		"	0.0400		97.2	21-167			

**LCS (1606034-BS1)**

Prepared & Analyzed: 06/03/16

Benzene	0.144	0.0020	mg/kg	0.150		96.2	58-130			
Toluene	0.136	0.0050	"	0.150		91.0	61-134			
Ethylbenzene	0.147	0.0050	"	0.150		97.9	74-139			
m,p-Xylene	0.288	0.010	"	0.300		95.9	73-137			
o-Xylene	0.148	0.0050	"	0.150		98.9	73-141			
Xylenes (total)	0.436	0.0050	"				30-150			
Gasoline Range Hydrocarbons	ND	0.50	"				30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0400		"	0.0400		99.9	23-173			
Surrogate: Toluene-d8	0.0404		"	0.0400		101	20-170			
Surrogate: 4-Bromofluorobenzene	0.0399		"	0.0400		99.8	21-167			

**Matrix Spike (1606034-MS1)**

Source: 1606034-01

Prepared & Analyzed: 06/03/16

Benzene	0.142	0.0020	mg/kg	0.150	ND	95.0	30-131			
Toluene	0.131	0.0050	"	0.150	ND	87.5	30-134			
Ethylbenzene	0.136	0.0050	"	0.150	ND	90.5	22-153			
m,p-Xylene	0.265	0.010	"	0.300	ND	88.5	10-159			
o-Xylene	0.137	0.0050	"	0.150	ND	91.5	31-151			
Xylenes (total)	0.403	0.0050	"		ND		30-150			
Gasoline Range Hydrocarbons	ND	0.50	"		ND		30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0414		"	0.0400		104	23-173			
Surrogate: Toluene-d8	0.0407		"	0.0400		102	20-170			
Surrogate: 4-Bromofluorobenzene	0.0389		"	0.0400		97.3	21-167			

Summit Scientific

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Talon/LPE  
1811 E Mulberry  
Ft Collins CO, 80524

Project: Memorial FTC Tanks  
Project Number: 701959.001.009  
Project Manager: Colby Sterling

Reported:  
06/07/16 14:33

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

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

**Batch 1606034 - EPA 5030 Soil MS**

Matrix Spike Dup (1606034-MSD1)		Source: 1606034-01			Prepared & Analyzed: 06/03/16					
Benzene	0.142	0.0020	mg/kg	0.150	ND	94.3	30-131	0.676	34	
Toluene	0.130	0.0050	"	0.150	ND	86.8	30-134	0.895	30	
Ethylbenzene	0.134	0.0050	"	0.150	ND	89.3	22-153	1.31	24	
m,p-Xylene	0.261	0.010	"	0.300	ND	86.9	10-159	1.76	68	
o-Xylene	0.134	0.0050	"	0.150	ND	89.3	31-151	2.48	38	
Xylenes (total)	0.395	0.0050	"		ND		30-150	2.00	20	
Gasoline Range Hydrocarbons	ND	0.50	"		ND		30-150		20	
Surrogate: 1,2-Dichloroethane-d4	0.0416		"	0.0400		104	23-173			
Surrogate: Toluene-d8	0.0412		"	0.0400		103	20-170			
Surrogate: 4-Bromofluorobenzene	0.0394		"	0.0400		98.6	21-167			

Summit Scientific

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Talon/LPE  
1811 E Mulberry  
Ft Collins CO, 80524

Project: Memorial FTC Tanks  
Project Number: 701959.001.009  
Project Manager: Colby Sterling

**Reported:**  
06/07/16 14:33

### Notes and Definitions

S-02      The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

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

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

---

Summit Scientific

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# Summit Scientific

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741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

June 14, 2016

Colby Sterling

Talon/LPE

1811 E Mulberry

Ft Collins, CO 80524

RE: Memorial FTC Tank Battery

Enclosed are the results of analyses for samples received by Summit Scientific on 06/13/16 17:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury

President



Talon/LPE  
1811 E Mulberry  
Ft Collins CO, 80524

Project: Memorial FTC Tank Battery

Project Number: 701959.001.09  
Project Manager: Colby Sterling

**Reported:**  
06/14/16 07:23

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
A12	1606132-01	Soil	06/10/16 15:00	06/13/16 17:45
A13	1606132-02	Soil	06/10/16 15:05	06/13/16 17:45
A14	1606132-03	Soil	06/10/16 15:10	06/13/16 17:45
A15	1606132-04	Soil	06/10/16 15:15	06/13/16 17:45
A16	1606132-05	Soil	06/10/16 15:20	06/13/16 17:45
A17	1606132-06	Soil	06/10/16 15:25	06/13/16 17:45
A18	1606132-07	Soil	06/10/16 15:30	06/13/16 17:45
A19	1606132-08	Soil	06/10/16 15:35	06/13/16 17:45
A20	1606132-09	Soil	06/10/16 15:40	06/13/16 17:45

Summit Scientific

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Talon/LPE  
1811 E Mulberry  
Ft Collins CO, 80524

Project: Memorial FTC Tank Battery

Project Number: 701959.001.09  
Project Manager: Colby Sterling

Reported:  
06/14/16 07:23




# Summit Scientific 1680/32

741 Corporate Circle Suite 1 ♦ Golden, Colorado 80401  
303-277-9310 ♦ 303-374-5933 Fax

Page 1 of 1

Client: Talon/LPE	Project Manager: Colby Sterling
Address: 1811 East Mulberry	E-Mail: csterling@talonlpe.com
City/State/Zip: Fort Collins, CO 80524	Project Name: Memorial - FTC Tank Battery
Phone: 970-818-5330 Fax:	Project Number: 701959.001.09
Sampler Name: Colby Sterling	

Sample Description	Date Sampled	Time Sampled	Number of Containers	Preservative				Matrix			Analyze For:										Special Instructions
				HCl	HNO <sub>3</sub>	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)	DRO									
A12	6/13/2016	1500	1		x			x			x										
A13	6/13/2016	1505	1		x			x			x										
A14	6/13/2016	1510	1		x			x			x										
A15	6/13/2016	1515	1		x			x			x										
A16	6/13/2016	1520	1		x			x			x										
A17	6/13/2016	1525	1		x			x			x										
A18	6/13/2016	1530	1		x			x			x										
A19	6/13/2016	1535	1		x			x			x										
A20	6/13/2016	1540	1		x			x			x										

Relinquished by: 	Date/Time: 6-13-16 15:25	Received by: 	Date/Time: 6-13-16 16:25	Turn Around Time (Check)	Notes:
Relinquished by: 	Date/Time: 6-13-16 18:00	Received by:	Date/Time:	Same Day <input type="checkbox"/> 72 Hours <input type="checkbox"/>	
				24 Hours <input checked="" type="checkbox"/> Standard <input type="checkbox"/>	
Relinquished by:	Date/Time:	Received in Lab by:	Date/Time:	Sample Integrity:	
				Temperature Upon Receipt: 9.2	
				Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

[www.s2scientific.com](http://www.s2scientific.com)

Summit Scientific

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.





Talon/LPE  
1811 E Mulberry  
Ft Collins CO, 80524

Project: Memorial FTC Tank Battery  
Project Number: 701959.001.09  
Project Manager: Colby Sterling

Reported:  
06/14/16 07:23

### Sample Receipt Checklist

S2 Work Order 6006132

Client: Talon

Client Project ID: Memorial FTC Tank Battery

Shipped Via: P.U. on ice  
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Airbill #: \_\_\_\_\_

Matrix (check all that apply): ☐ Air ☒ Soil/Solid ☐ Water ☐ Other: \_\_\_\_\_  
(Describe)

Cooler ID					
Temp (°C)	<u>9.2</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 <sup>(1)</sup> ?			<input checked="" type="checkbox"/>	
NOTE: If samples are delivered the same day of sampling, this requirement is waived provided that there is evidence that cooling has begun.				
Were all samples received intact <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
If custody seals are present, are they intact <sup>(1)</sup> ?			<input checked="" type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present?	<input checked="" type="checkbox"/>			
Is a chain-of-custody (COC) form 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 w/ date and time recorded <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) <sup>(1)</sup> ?			<input checked="" type="checkbox"/>	
Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect				
If samples are acid preserved for metals, is the pH ≤ 2 <sup>(1)</sup> ?			<input checked="" type="checkbox"/>	
Record the pH in Comments.				
If dissolved metals are requested, were samples field filtered?			<input checked="" type="checkbox"/>	
Additional Comments (if any):				

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

Muri Bremer  
Custodian Printed Name

MS 6-13-16  
Signature or Initials of Custodian

17:00  
Date/Time



Talon/LPE  
1811 E Mulberry  
Ft Collins CO, 80524

Project: Memorial FTC Tank Battery  
Project Number: 701959.001.09  
Project Manager: Colby Sterling

**Reported:**  
06/14/16 07:23

**A12**  
**1606132-01 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/10/16 15:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>C10-C28 (DRO)</b>	<b>54</b>	50	mg/kg	1	1606126	06/13/16	06/14/16	8015M	

Date Sampled: **06/10/16 15:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		93.9 %	30-150		"	"	"	"	

Summit Scientific

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Talon/LPE  
1811 E Mulberry  
Ft Collins CO, 80524

Project: Memorial FTC Tank Battery  
Project Number: 701959.001.09  
Project Manager: Colby Sterling

**Reported:**  
06/14/16 07:23

**A13**  
**1606132-02 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/10/16 15:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1606126	06/13/16	06/14/16	8015M	

Date Sampled: **06/10/16 15:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		96.2 %	30-150		"	"	"	"	

Summit Scientific

*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.*



Talon/LPE  
1811 E Mulberry  
Ft Collins CO, 80524

Project: Memorial FTC Tank Battery  
Project Number: 701959.001.09  
Project Manager: Colby Sterling

**Reported:**  
06/14/16 07:23

**A14**  
**1606132-03 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/10/16 15:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1606126	06/13/16	06/14/16	8015M	

Date Sampled: **06/10/16 15:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		93.0 %	30-150		"	"	"	"	

Summit Scientific

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Talon/LPE  
1811 E Mulberry  
Ft Collins CO, 80524

Project: Memorial FTC Tank Battery

Project Number: 701959.001.09  
Project Manager: Colby Sterling

**Reported:**  
06/14/16 07:23

**A15**  
**1606132-04 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/10/16 15:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	81	50	mg/kg	1	1606126	06/13/16	06/14/16	8015M	

Date Sampled: **06/10/16 15:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		93.9 %	30-150		"	"	"	"	

Summit Scientific

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Talon/LPE  
1811 E Mulberry  
Ft Collins CO, 80524

Project: Memorial FTC Tank Battery  
Project Number: 701959.001.09  
Project Manager: Colby Sterling

**Reported:**  
06/14/16 07:23

**A16**  
**1606132-05 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/10/16 15:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	60	50	mg/kg	1	1606126	06/13/16	06/14/16	8015M	

Date Sampled: **06/10/16 15:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		92.4 %	30-150		"	"	"	"	

Summit Scientific

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Talon/LPE  
1811 E Mulberry  
Ft Collins CO, 80524

Project: Memorial FTC Tank Battery  
Project Number: 701959.001.09  
Project Manager: Colby Sterling

**Reported:**  
06/14/16 07:23

**A17**  
**1606132-06 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/10/16 15:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>C10-C28 (DRO)</b>	<b>75</b>	<b>50</b>	<b>mg/kg</b>	<b>1</b>	<b>1606126</b>	<b>06/13/16</b>	<b>06/14/16</b>	<b>8015M</b>	

Date Sampled: **06/10/16 15:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		<i>91.0 %</i>	<i>30-150</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

Summit Scientific

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Talon/LPE  
1811 E Mulberry  
Ft Collins CO, 80524

Project: Memorial FTC Tank Battery

Project Number: 701959.001.09  
Project Manager: Colby Sterling

**Reported:**  
06/14/16 07:23

**A18**  
**1606132-07 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/10/16 15:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>C10-C28 (DRO)</b>	<b>490</b>	50	mg/kg	1	1606126	06/13/16	06/14/16	8015M	

Date Sampled: **06/10/16 15:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		96.6 %	30-150		"	"	"	"	

Summit Scientific

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Talon/LPE  
1811 E Mulberry  
Ft Collins CO, 80524

Project: Memorial FTC Tank Battery  
Project Number: 701959.001.09  
Project Manager: Colby Sterling

**Reported:**  
06/14/16 07:23

**A19**  
**1606132-08 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/10/16 15:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>C10-C28 (DRO)</b>	<b>91</b>	50	mg/kg	1	1606126	06/13/16	06/14/16	8015M	

Date Sampled: **06/10/16 15:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		42.5 %	30-150		"	"	"	"	

Summit Scientific

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Talon/LPE  
1811 E Mulberry  
Ft Collins CO, 80524

Project: Memorial FTC Tank Battery  
Project Number: 701959.001.09  
Project Manager: Colby Sterling

**Reported:**  
06/14/16 07:23

**A20**  
**1606132-09 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/10/16 15:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	93	50	mg/kg	1	1606126	06/13/16	06/14/16	8015M	

Date Sampled: **06/10/16 15:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		45.8 %	30-150		"	"	"	"	

Summit Scientific

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Talon/LPE  
1811 E Mulberry  
Ft Collins CO, 80524

Project: Memorial FTC Tank Battery  
Project Number: 701959.001.09  
Project Manager: Colby Sterling

Reported:  
06/14/16 07:23

**Extractable Petroleum Hydrocarbons by 8015 - Quality Control**  
**Summit Scientific**

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

**Batch 1606126 - EPA 3550A**

**Blank (1606126-BLK1)**

Prepared & Analyzed: 06/13/16

C10-C28 (DRO)	ND	50	mg/kg							
Surrogate: o-Terphenyl	13.9		"	12.5	111		30-150			

**LCS (1606126-BS1)**

Prepared & Analyzed: 06/13/16

C10-C28 (DRO)	599	50	mg/kg	499	120		73-134			
Surrogate: o-Terphenyl	14.3		"	12.5	115		30-150			

**Matrix Spike (1606126-MS1)**

Source: 1606129-01

Prepared & Analyzed: 06/13/16

C10-C28 (DRO)	654	50	mg/kg	477	18.2	133	50-148			
Surrogate: o-Terphenyl	16.6		"	12.0	139		30-150			

**Matrix Spike Dup (1606126-MSD1)**

Source: 1606129-01

Prepared & Analyzed: 06/13/16

C10-C28 (DRO)	639	50	mg/kg	477	18.2	130	50-148	2.23	13	
Surrogate: o-Terphenyl	14.0		"	12.0	117		30-150			

Summit Scientific

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Talon/LPE  
1811 E Mulberry  
Ft Collins CO, 80524

Project: Memorial FTC Tank Battery

Project Number: 701959.001.09  
Project Manager: Colby Sterling

**Reported:**  
06/14/16 07:23

### 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

---

Summit Scientific

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A handwritten signature in black ink, appearing to be 'MSM'.

# Summit Scientific

---

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

June 21, 2016

Colby Sterling

Talon/LPE

1811 E Mulberry

Ft Collins, CO 80524

RE: Memorial FTC Tank Battery

Enclosed are the results of analyses for samples received by Summit Scientific on 06/16/16 18:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury

President



Talon/LPE  
1811 E Mulberry  
Ft Collins CO, 80524

Project: Memorial FTC Tank Battery

Project Number: 701959.001.09  
Project Manager: Colby Sterling

**Reported:**  
06/21/16 07:22

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
A1	1606167-01	Soil	06/16/16 09:50	06/16/16 18:30
A2	1606167-02	Soil	06/16/16 09:55	06/16/16 18:30
A3	1606167-03	Soil	06/16/16 10:00	06/16/16 18:30
A4	1606167-04	Soil	06/16/16 10:05	06/16/16 18:30
A5	1606167-05	Soil	06/16/16 10:10	06/16/16 18:30

Summit Scientific

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Talon/LPE  
1811 E Mulberry  
Ft Collins CO, 80524

Project: Memorial FTC Tank Battery

Project Number: 701959.001.09  
Project Manager: Colby Sterling

**Reported:**  
06/21/16 07:22



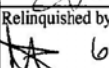
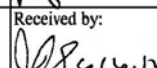
## Summit Scientific 1622167

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

Page 1 of 1

Client:	Talon/LPE
Address:	1811 East Mulberry
City/State/Zip:	Fort Collins, CO 80524
Phone:	970-818-5330
Fax:	
Sampler Name:	Colby Sterling

Project Manager:	Colby Sterling
E-Mail:	csterling@talonjpe.com
Project Name:	Memorial - FTC Battery
Project Number:	701959.001.09

				Preservative			Matrix			Analyze For:							Special Instructions		
Sample Description	Date Sampled	Time Sampled	Number of Containers	HCl	HNO <sub>3</sub>	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)	DRO							
A1	6/16/2016	950	1		x			x				x							
A2	6/16/2016	955	1		x			x				x							
A3	6/16/2016	1000	1		x			x				x							
A4	6/16/2016	1005	1		x			x				x							
A5	6/16/2016	1010	1		x			x				x							
Relinquished by:  6-16-16				Date/Time: 15:16		Received by:  6-16-16				Date/Time: 15:16		Turn Around Time (Check)							Notes:
												Same Day <input type="checkbox"/> 72 Hours <input type="checkbox"/>							
												24 Hours <input checked="" type="checkbox"/> Standard <input type="checkbox"/>							
Relinquished by:  6-16-16				Date/Time: 18:40		Received by:  6-16-16				Date/Time: 1840		48 Hours <input type="checkbox"/>							
Relinquished by:				Date/Time:		Received in Lab by:				Date/Time:		Sample Integrity:							
												Temperature Upon Receipt: 10.0							
												Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>							

[www.s2scientific.com](http://www.s2scientific.com)

Summit Scientific

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Talon/LPE  
1811 E Mulberry  
Ft Collins CO, 80524

Project: Memorial FTC Tank Battery  
Project Number: 701959.001.09  
Project Manager: Colby Sterling

Reported:  
06/21/16 07:22

#### Sample Receipt Checklist

S2 Work Order: 1606167

Client: Talon

Client Project ID: Memorial-FTC Battery

Shipped Via: P.U.

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

Airbill #: \_\_\_\_\_

Matrix (check all that apply):    Air    ☒ Soil/Solid    Water    Other: \_\_\_\_\_  
(Describe)

Cooler ID					
Temp (°C)	<u>10.5</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 <sup>(1)</sup> ?			<input checked="" type="checkbox"/>	
NOTE: If samples are delivered the same day of sampling, this requirement is waived provided that there is evidence that cooling has begun.				
Were all samples received intact <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
If custody seals are present, are they intact <sup>(1)</sup> ?			<input checked="" type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present?	<input checked="" type="checkbox"/>			
Is a chain-of-custody (COC) form 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 w/ date and time recorded <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) <sup>(1)</sup> ?			<input checked="" type="checkbox"/>	
Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect				
If samples are acid preserved for metals, is the pH ≤ 2 <sup>(1)</sup> ?			<input checked="" type="checkbox"/>	
Record the pH in Comments.				
If dissolved metals are requested, were samples field filtered?			<input checked="" type="checkbox"/>	
Additional Comments (if any):				
<sup>(1)</sup> If NO, then contact the client before proceeding with analysis and note in case narrative.				

Muri Premer  
Custodian Printed Name

DA 6-16-16  
Signature or Initials of Custodian

18:45  
Date/Time



Talon/LPE  
1811 E Mulberry  
Ft Collins CO, 80524

Project: Memorial FTC Tank Battery  
Project Number: 701959.001.09  
Project Manager: Colby Sterling

Reported:  
06/21/16 07:22

**A1**  
**1606167-01 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/16/16 09:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>C10-C28 (DRO)</b>	<b>310</b>	50	mg/kg	1	1606171	06/16/16	06/17/16	8015M	

Date Sampled: **06/16/16 09:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		42.5 %	30-150		"	"	"	"	S-02

Summit Scientific

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Talon/LPE  
1811 E Mulberry  
Ft Collins CO, 80524

Project: Memorial FTC Tank Battery  
Project Number: 701959.001.09  
Project Manager: Colby Sterling

**Reported:**  
06/21/16 07:22

**A2**  
**1606167-02 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/16/16 09:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>C10-C28 (DRO)</b>	<b>420</b>	50	mg/kg	1	1606171	06/16/16	06/17/16	8015M	

Date Sampled: **06/16/16 09:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		82.5 %	30-150		"	"	"	"	

Summit Scientific

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Talon/LPE  
1811 E Mulberry  
Ft Collins CO, 80524

Project: Memorial FTC Tank Battery  
Project Number: 701959.001.09  
Project Manager: Colby Sterling

Reported:  
06/21/16 07:22

**A3**  
**1606167-03 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/16/16 10:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	460	50	mg/kg	1	1606171	06/16/16	06/17/16	8015M	

Date Sampled: **06/16/16 10:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		55.5 %	30-150		"	"	"	"	S-02

Summit Scientific

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Talon/LPE  
1811 E Mulberry  
Ft Collins CO, 80524

Project: Memorial FTC Tank Battery  
Project Number: 701959.001.09  
Project Manager: Colby Sterling

**Reported:**  
06/21/16 07:22

**A4**  
**1606167-04 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/16/16 10:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>C10-C28 (DRO)</b>	<b>650</b>	50	mg/kg	1	1606171	06/16/16	06/17/16	8015M	

Date Sampled: **06/16/16 10:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		87.2 %	30-150		"	"	"	"	

Summit Scientific

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Talon/LPE  
1811 E Mulberry  
Ft Collins CO, 80524

Project: Memorial FTC Tank Battery  
Project Number: 701959.001.09  
Project Manager: Colby Sterling

Reported:  
06/21/16 07:22

A5  
1606167-05 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 06/16/16 10:10

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	430	50	mg/kg	1	1606171	06/16/16	06/17/16	8015M	

Date Sampled: 06/16/16 10:10

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		57.0 %	30-150		"	"	"	"	S-02

Summit Scientific

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Talon/LPE  
1811 E Mulberry  
Ft Collins CO, 80524

Project: Memorial FTC Tank Battery  
Project Number: 701959.001.09  
Project Manager: Colby Sterling

**Reported:**  
06/21/16 07:22

**Extractable Petroleum Hydrocarbons by 8015 - Quality Control**  
**Summit Scientific**

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

**Batch 1606171 - EPA 3550A**

**Blank (1606171-BLK1)**

Prepared & Analyzed: 06/16/16

C10-C28 (DRO)	ND	50	mg/kg							
Surrogate: o-Terphenyl	14.0		"	12.5		112	30-150			

**LCS (1606171-BS1)**

Prepared & Analyzed: 06/16/16

C10-C28 (DRO)	570	50	mg/kg	499		114	73-134			
Surrogate: o-Terphenyl	14.6		"	12.5		117	30-150			

**Matrix Spike (1606171-MS1)**

Source: 1606165-01

Prepared & Analyzed: 06/16/16

C10-C28 (DRO)	565	50	mg/kg	491	25.2	110	50-148			
Surrogate: o-Terphenyl	14.2		"	12.3		115	30-150			

**Matrix Spike Dup (1606171-MSD1)**

Source: 1606165-01

Prepared & Analyzed: 06/16/16

C10-C28 (DRO)	551	50	mg/kg	492	25.2	107	50-148	2.53	13	
Surrogate: o-Terphenyl	15.1		"	12.3		123	30-150			

Summit Scientific

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Talon/LPE  
1811 E Mulberry  
Ft Collins CO, 80524

Project: Memorial FTC Tank Battery

Project Number: 701959.001.09  
Project Manager: Colby Sterling

**Reported:**  
06/21/16 07:22

### Notes and Definitions

S-02      The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

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

---

Summit Scientific

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A handwritten signature in black ink, appearing to be 'MSM'.



# Summit Scientific

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741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

June 24, 2016

Jennifer Galles

Talon/LPE

1811 E Mulberry

Ft Collins, CO 80524

RE: Memorial FTC Tank Battery

Enclosed are the results of analyses for samples received by Summit Scientific on 06/23/16 18:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury  
President



Talon/LPE  
1811 E Mulberry  
Ft Collins CO, 80524

Project: Memorial FTC Tank Battery

Project Number: 701959.001.09  
Project Manager: Jennifer Galles

**Reported:**  
06/24/16 06:40

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
A4	1606246-01	Soil	06/23/16 13:20	06/23/16 18:00
A6	1606246-02	Soil	06/23/16 13:25	06/23/16 18:00
A7	1606246-03	Soil	06/23/16 13:30	06/23/16 18:00
A8	1606246-04	Soil	06/23/16 13:35	06/23/16 18:00
A9	1606246-05	Soil	06/23/16 13:40	06/23/16 18:00
A10	1606246-06	Soil	06/23/16 13:45	06/23/16 18:00
A11	1606246-07	Soil	06/23/16 13:50	06/23/16 18:00
A21	1606246-08	Soil	06/23/16 13:55	06/23/16 18:00

Summit Scientific

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Talon/LPE  
1811 E Mulberry  
Ft Collins CO, 80524

Project: Memorial FTC Tank Battery

Project Number: 701959.001.09  
Project Manager: Jennifer Galles

**Reported:**  
06/24/16 06:40





## Summit Scientific 1602246

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

Page 1 of 1

Client:	Talon/LPE
Address:	1811 East Mulberry
City/State/Zip:	Fort Collins, CO 80524
Phone:	970-818-5330
Sampler Name:	Colby Sterling

Project Manager:	Colby Sterling
E-Mail:	cs Sterling@talonlpe.com
Project Name:	Memorial - FTC Battery
Project Number:	701959.001.09

				Preservative			Matrix			Analyze For:								
Sample Description	Date Sampled	Time Sampled	Number of Containers	HCl	HNO <sub>3</sub>	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)	DRO						Special Instructions
A4	6/23/2016	1320	1			x			x			x						
A6	6/23/2016	1325	1			x			x			x						
A7	6/23/2016	1330	1			x			x			x						
A8	6/23/2016	1335	1			x			x			x						
A9	6/23/2016	1340	1			x			x			x						
A10	6/23/2016	1345	1			x			x			x						
A11	6/23/2016	1350	1			x			x			x						
A21	6/23/2016	1355	1			x			x			x						
Relinquished by:  Date/Time: 6-23-16 15:45				Received by:  Date/Time: 6-23-16 15:45				Turn Around Time (Check) Same Day <input type="checkbox"/> 72 Hours <input type="checkbox"/> 24 Hours <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 48 Hours <input type="checkbox"/>										Notes:
Relinquished by:  Date/Time: 6-23-16 17:50				Received by:  Date/Time: 6-23-16 1750				Sample Integrity: Temperature Upon Receipt: 71.7										
Relinquished by:				Received in Lab by:				Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>										

[www.s2scientific.com](http://www.s2scientific.com)

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Talon/LPE  
1811 E Mulberry  
Ft Collins CO, 80524

Project: Memorial FTC Tank Battery  
Project Number: 701959.001.09  
Project Manager: Jennifer Galles

Reported:  
06/24/16 06:40

#### Sample Receipt Checklist

S2 Work Order: 1606246

Client: Talon

Client Project ID: Memorial FTC Battery

Shipped Via: PV

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

Airbill #: \_\_\_\_\_

Matrix (check all that apply): ☐ Air ☒ Soil/Solid ☐ Water ☐ Other: \_\_\_\_\_  
(Describe)

Cooler ID					
Temp (°C)	<u>21.7</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 <sup>(1)</sup> ?			<input checked="" type="checkbox"/>	
NOTE: If samples are delivered the same day of sampling, this requirement is waived provided that there is evidence that cooling has begun.				
Were all samples received intact <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
If custody seals are present, are they intact <sup>(1)</sup> ?			<input checked="" type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present?	<input checked="" type="checkbox"/>			
Is a chain-of-custody (COC) form 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 w/ date and time recorded <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) <sup>(1)</sup> ?			<input checked="" type="checkbox"/>	
Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect				
If samples are acid preserved for metals, is the pH ≤ 2 <sup>(1)</sup> ?			<input checked="" type="checkbox"/>	
Record the pH in Comments.				
If dissolved metals are requested, were samples field filtered?			<input checked="" type="checkbox"/>	
Additional Comments (if any):				

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

Muri Premier  
Custodian Printed Name

6-23-16  
Signature or Initials of Custodian

16:30  
Date/Time



Talon/LPE  
1811 E Mulberry  
Ft Collins CO, 80524

Project: Memorial FTC Tank Battery

Project Number: 701959.001.09  
Project Manager: Jennifer Galles

**Reported:**  
06/24/16 06:40

**A4**  
**1606246-01 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/23/16 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>C10-C28 (DRO)</b>	<b>880</b>	50	mg/kg	1	1606234	06/23/16	06/23/16	8015M	

Date Sampled: **06/23/16 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		<i>117 %</i>	<i>30-150</i>		"	"	"	"	

Summit Scientific

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Talon/LPE  
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Ft Collins CO, 80524

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Project Number: 701959.001.09  
Project Manager: Jennifer Galles

**Reported:**  
06/24/16 06:40

**A6**  
**1606246-02 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/23/16 13:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>C10-C28 (DRO)</b>	<b>350</b>	50	mg/kg	1	1606234	06/23/16	06/23/16	8015M	

Date Sampled: **06/23/16 13:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		57.1 %	30-150		"	"	"	"	

Summit Scientific

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Talon/LPE  
1811 E Mulberry  
Ft Collins CO, 80524

Project: Memorial FTC Tank Battery  
Project Number: 701959.001.09  
Project Manager: Jennifer Galles

**Reported:**  
06/24/16 06:40

**A7**  
**1606246-03 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/23/16 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>C10-C28 (DRO)</b>	<b>160</b>	50	mg/kg	1	1606234	06/23/16	06/23/16	8015M	

Date Sampled: **06/23/16 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		49.4 %	30-150		"	"	"	"	

Summit Scientific

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Project Number: 701959.001.09  
Project Manager: Jennifer Galles

**Reported:**  
06/24/16 06:40

**A8**  
**1606246-04 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/23/16 13:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>C10-C28 (DRO)</b>	<b>470</b>	50	mg/kg	1	1606234	06/23/16	06/23/16	8015M	

Date Sampled: **06/23/16 13:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		77.6 %	30-150		"	"	"	"	

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**Reported:**  
06/24/16 06:40

**A9**  
**1606246-05 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/23/16 13:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>C10-C28 (DRO)</b>	<b>280</b>	50	mg/kg	1	1606234	06/23/16	06/23/16	8015M	

Date Sampled: **06/23/16 13:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		46.0 %	30-150		"	"	"	"	

Summit Scientific

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Project Number: 701959.001.09  
Project Manager: Jennifer Galles

**Reported:**  
06/24/16 06:40

**A10**  
**1606246-06 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/23/16 13:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>C10-C28 (DRO)</b>	<b>380</b>	50	mg/kg	1	1606234	06/23/16	06/23/16	8015M	

Date Sampled: **06/23/16 13:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		58.6 %	30-150		"	"	"	"	

Summit Scientific

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**Reported:**  
06/24/16 06:40

**A11**  
**1606246-07 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/23/16 13:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	270	50	mg/kg	1	1606234	06/23/16	06/23/16	8015M	

Date Sampled: **06/23/16 13:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		49.5 %	30-150		"	"	"	"	

Summit Scientific

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**Reported:**  
06/24/16 06:40

**A21**  
**1606246-08 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/23/16 13:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>C10-C28 (DRO)</b>	<b>140</b>	50	mg/kg	1	1606234	06/23/16	06/23/16	8015M	

Date Sampled: **06/23/16 13:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		33.1 %	30-150		"	"	"	"	

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**Reported:**  
06/24/16 06:40

**Extractable Petroleum Hydrocarbons by 8015 - Quality Control**  
**Summit Scientific**

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

**Batch 1606234 - EPA 3550A**

**Blank (1606234-BLK1)**

Prepared & Analyzed: 06/23/16

C10-C28 (DRO) ND 50 mg/kg

Surrogate: o-Terphenyl 12.3 " 12.5 98.1 30-150

**LCS (1606234-BS1)**

Prepared & Analyzed: 06/23/16

C10-C28 (DRO) 503 50 mg/kg 499 101 73-134

Surrogate: o-Terphenyl 12.4 " 12.5 99.0 30-150

**Matrix Spike (1606234-MS1)**

Source: 1606232-03

Prepared: 06/23/16 Analyzed: 06/24/16

C10-C28 (DRO) 475 50 mg/kg 487 29.6 91.3 50-148

Surrogate: o-Terphenyl 11.8 " 12.2 96.7 30-150

**Matrix Spike Dup (1606234-MSD1)**

Source: 1606232-03

Prepared: 06/23/16 Analyzed: 06/24/16

C10-C28 (DRO) 437 50 mg/kg 464 29.6 87.8 50-148 8.31 13

Surrogate: o-Terphenyl 11.0 " 11.6 94.5 30-150

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06/24/16 06:40

### 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