

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

March 31, 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 03/28/16 18:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Paul Shrewsbury
President



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Memorial FTC Tank Battery

Project Number: 701959.001.08
Project Manager: Colby Sterling

Reported:
03/31/16 10:46

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW-E@10'	1603185-01	Soil	03/28/16 11:34	03/28/16 18:00
SW-S@8'	1603185-02	Soil	03/28/16 11:39	03/28/16 18:00

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Memorial FTC Tank Battery

Project Number: 701959.001.08
Project Manager: Colby Sterling

Reported:
03/31/16 10:46

Summit Scientific

741 Corporate Circle Suite 1 • Golden, Colorado 80403
303-277-9310 • 303-374-5933 Fax

Page 1 of 1

Client: Talon LVE / B.P. Vending
Address: 184 E. Highway
City/State/Zip: Fort Co 70621
Phone: _____ Fax: _____
Sampler Name: Colby Sterling

Project Manager: Kelly Stelling
E-Mail: CStelling@TalcumLake.com
Project Name: Memorial FTE Bakery
Project Number: 201959.001.08

[illegible]

www.s2signif.it/cont

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Memorial FTC Tank Battery

Project Number: 701959.001.08
Project Manager: Colby Sterling

Reported:
03/31/16 10:46

Sample Receipt Checklist

S2 Work Order: 1603185

Client: Talon

Client Project ID: Memorial FTC Battery

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>10.7°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 ⁽¹⁾ ?	<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 ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
If custody seals are present, are they intact ⁽¹⁾ ?			<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 ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<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) ⁽¹⁾ ?			<input checked="" type="checkbox"/>	
Note the type of preservative in the Comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , ect				
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ?			<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):				

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

Mindy Wach
Custodian Printed Name

MM
Signature or Initials of Custodian

3/29/16 15:03
Date/Time



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Memorial FTC Tank Battery
Project Number: 701959.001.08
Project Manager: Colby Sterling

Reported:
03/31/16 10:46

SW-E@10'
1603185-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 03/28/16 11:34

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1603291	03/29/16	03/30/16	8015M	

Date Sampled: 03/28/16 11:34

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		110 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 03/28/16 11:34

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1603289	03/29/16	03/30/16	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: 03/28/16 11:34

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		115 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		99.4 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	21-167		"	"	"	"	

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Memorial FTC Tank Battery
Project Number: 701959.001.08
Project Manager: Colby Sterling

Reported:
03/31/16 10:46

SW-S@8'
1603185-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 03/28/16 11:39

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	75	50	mg/kg	1	1603291	03/29/16	03/30/16	8015M	

Date Sampled: 03/28/16 11:39

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		113 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 03/28/16 11:39

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1603289	03/29/16	03/30/16	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	1.5	0.50	"	"	"	"	"	"	

Date Sampled: 03/28/16 11:39

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		121 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		96.5 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		103 %	21-167		"	"	"	"	

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Memorial FTC Tank Battery
Project Number: 701959.001.08
Project Manager: Colby Sterling

Reported:
03/31/16 10:46

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 1603291 - EPA 3550A

Blank (1603291-BLK1)

Prepared & Analyzed: 03/29/16

C10-C28 (DRO) ND 50 mg/kg

Surrogate: o-Terphenyl 13.2 " 12.5 106 30-150

LCS (1603291-BS1)

Prepared & Analyzed: 03/29/16

C10-C28 (DRO) 487 50 mg/kg 499 97.7 73-134

Surrogate: o-Terphenyl 13.5 " 12.5 108 30-150

Matrix Spike (1603291-MS1)

Source: 1603174-01

Prepared & Analyzed: 03/29/16

C10-C28 (DRO) 449 50 mg/kg 460 37.8 89.3 50-148

Surrogate: o-Terphenyl 12.4 " 11.5 107 30-150

Matrix Spike Dup (1603291-MSD1)

Source: 1603174-01

Prepared & Analyzed: 03/29/16

C10-C28 (DRO) 451 50 mg/kg 465 37.8 88.7 50-148 0.358 13

Surrogate: o-Terphenyl 12.4 " 11.7 106 30-150

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Memorial FTC Tank Battery
Project Number: 701959.001.08
Project Manager: Colby Sterling

Reported:
03/31/16 10:46

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 1603289 - EPA 5030 Soil MS

Blank (1603289-BLK1)

Prepared: 03/29/16 Analyzed: 03/30/16

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	0.0437		"	0.0400		109	23-173			
Surrogate: Toluene-d8	0.0392		"	0.0400		98.0	20-170			
Surrogate: 4-Bromofluorobenzene	0.0416		"	0.0400		104	21-167			

LCS (1603289-BS1)

Prepared: 03/29/16 Analyzed: 03/30/16

Benzene	0.149	0.0020	mg/kg	0.150		99.1	58-130			
Toluene	0.133	0.0050	"	0.150		89.0	61-134			
Ethylbenzene	0.147	0.0050	"	0.150		98.3	74-139			
m,p-Xylene	0.290	0.010	"	0.300		96.8	73-137			
o-Xylene	0.148	0.0050	"	0.150		98.7	73-141			
Xylenes (total)	0.438	0.0050	"				30-150			
Gasoline Range Hydrocarbons	8.42	0.50	"				30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0424		"	0.0400		106	23-173			
Surrogate: Toluene-d8	0.0406		"	0.0400		101	20-170			
Surrogate: 4-Bromofluorobenzene	0.0396		"	0.0400		98.9	21-167			

Matrix Spike (1603289-MS1)

Source: 1603174-01

Prepared: 03/29/16 Analyzed: 03/30/16

Benzene	0.127	0.0020	mg/kg	0.145	ND	88.2	30-131			
Toluene	0.113	0.0050	"	0.145	ND	78.3	30-134			
Ethylbenzene	0.122	0.0050	"	0.145	ND	84.6	22-153			
m,p-Xylene	0.240	0.010	"	0.289	ND	82.9	10-159			
o-Xylene	0.123	0.0050	"	0.145	ND	84.8	31-151			
Xylenes (total)	0.362	0.0050	"		ND		30-150			
Gasoline Range Hydrocarbons	6.96	0.50	"		ND		30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0414		"	0.0385		107	23-173			
Surrogate: Toluene-d8	0.0392		"	0.0385		102	20-170			
Surrogate: 4-Bromofluorobenzene	0.0377		"	0.0385		97.9	21-167			

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Memorial FTC Tank Battery
Project Number: 701959.001.08
Project Manager: Colby Sterling

Reported:
03/31/16 10:46

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 1603289 - EPA 5030 Soil MS

Matrix Spike Dup (1603289-MSD1)		Source: 1603174-01			Prepared: 03/29/16		Analyzed: 03/30/16			
Benzene	0.127	0.0020	mg/kg	0.146	ND	86.5	30-131	0.588	34	
Toluene	0.110	0.0050	"	0.146	ND	75.0	30-134	2.95	30	
Ethylbenzene	0.115	0.0050	"	0.146	ND	78.5	22-153	6.20	24	
m,p-Xylene	0.225	0.010	"	0.293	ND	76.6	10-159	6.48	68	
o-Xylene	0.115	0.0050	"	0.146	ND	78.6	31-151	6.23	38	
Xylenes (total)	0.340	0.0050	"		ND		30-150	6.39	20	
Gasoline Range Hydrocarbons	6.54	0.50	"		ND		30-150	6.23	20	
Surrogate: 1,2-Dichloroethane-d4	0.0426		"	0.0391		109	23-173			
Surrogate: Toluene-d8	0.0399		"	0.0391		102	20-170			
Surrogate: 4-Bromofluorobenzene	0.0385		"	0.0391		98.6	21-167			

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Memorial FTC Tank Battery

Project Number: 701959.001.08
Project Manager: Colby Sterling

Reported:
03/31/16 10:46

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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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

April 18, 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 04/15/16 16:37. 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:
04/18/16 10:45

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW-SW@20'	1604110-01	Soil	04/14/16 10:11	04/15/16 16:37
SW-W@10'	1604110-02	Soil	04/14/16 10:18	04/15/16 16:37

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:
04/18/16 10:45

Summit Scientific 1604110

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

Page 1 of 1

301-2
Talon / LPE
Client: Talon LPE / B. II *whiting-ca*
Address: 1811 E *Midway*
City/State/zip: *For CA 90621*
Phone: 970-818-5370 Fax:
Sampler Name: *C. B. Sterling*

Project Manager: Colby Sterling
E-Mail: csterling@TalonLPG.com
Project Name: Memorial FTE Battery
Project Number: 701959, COL. 08

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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:
04/18/16 10:45

SW-SW@20'
1604110-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/14/16 10:11**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1604158	04/15/16	04/16/16	8015M	

Date Sampled: **04/14/16 10:11**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		102 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/14/16 10:11**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1604156	04/15/16	04/16/16	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.017	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	0.67	0.50	"	"	"	"	"	"	

Date Sampled: **04/14/16 10:11**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		108 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		98.6 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.7 %	21-167		"	"	"	"	

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:
04/18/16 10:45

SW-W@10'
1604110-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/14/16 10:18**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1604158	04/15/16	04/16/16	8015M	

Date Sampled: **04/14/16 10:18**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		111 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/14/16 10:18**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1604156	04/15/16	04/15/16	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **04/14/16 10:18**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		90.2 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		93.9 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.8 %	21-167		"	"	"	"	

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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:
04/18/16 10:45

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 1604158 - EPA 3550A

Blank (1604158-BLK1)

Prepared & Analyzed: 04/15/16

C10-C28 (DRO)	ND	50	mg/kg							
Surrogate: o-Terphenyl	13.7		"	12.5		110	30-150			

LCS (1604158-BS1)

Prepared & Analyzed: 04/15/16

C10-C28 (DRO)	557	50	mg/kg	499		112	73-134			
Surrogate: o-Terphenyl	13.1		"	12.5		105	30-150			

Matrix Spike (1604158-MS1)

Source: 1604099-04

Prepared & Analyzed: 04/15/16

C10-C28 (DRO)	467	50	mg/kg	499	27.1	88.2	50-148			
Surrogate: o-Terphenyl	12.3		"	12.5		98.4	30-150			

Matrix Spike Dup (1604158-MSD1)

Source: 1604099-04

Prepared & Analyzed: 04/15/16

C10-C28 (DRO)	490	50	mg/kg	499	27.1	92.8	50-148	4.86	13	
Surrogate: o-Terphenyl	12.9		"	12.5		103	30-150			

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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:
04/18/16 10:45

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 1604156 - EPA 5030 Soil MS

Blank (1604156-BLK1)

Prepared & Analyzed: 04/15/16

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	0.0397		"	0.0400		99.3	23-173			
Surrogate: Toluene-d8	0.0386		"	0.0400		96.4	20-170			
Surrogate: 4-Bromofluorobenzene	0.0410		"	0.0400		102	21-167			

LCS (1604156-BS1)

Prepared & Analyzed: 04/15/16

Benzene	0.0971	0.0020	mg/kg	0.100		97.1	58-130			
Toluene	0.106	0.0050	"	0.100		106	61-134			
Ethylbenzene	0.114	0.0050	"	0.0992		115	74-139			
m,p-Xylene	0.218	0.010	"	0.200		109	73-137			
o-Xylene	0.106	0.0050	"	0.0980		108	73-141			
Xylenes (total)	0.324	0.0050	"				30-150			
Gasoline Range Hydrocarbons	1.88	0.50	"				30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0382		"	0.0400		95.4	23-173			
Surrogate: Toluene-d8	0.0408		"	0.0400		102	20-170			
Surrogate: 4-Bromofluorobenzene	0.0399		"	0.0400		99.8	21-167			

Matrix Spike (1604156-MS1)

Source: 1604099-04

Prepared & Analyzed: 04/15/16

Benzene	0.0998	0.0020	mg/kg	0.0978	ND	102	30-131			
Toluene	0.108	0.0050	"	0.0978	ND	111	30-134			
Ethylbenzene	0.119	0.0050	"	0.0971	ND	123	22-153			
m,p-Xylene	0.227	0.010	"	0.195	ND	116	10-159			
o-Xylene	0.111	0.0050	"	0.0959	ND	116	31-151			
Xylenes (total)	0.337	0.0050	"		ND		30-150			
Gasoline Range Hydrocarbons	1.84	0.50	"		ND		30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0403		"	0.0391		103	23-173			
Surrogate: Toluene-d8	0.0390		"	0.0391		99.7	20-170			
Surrogate: 4-Bromofluorobenzene	0.0396		"	0.0391		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 Tank Battery
Project Number: 701959.001.09
Project Manager: Colby Sterling

Reported:
04/18/16 10:45

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 1604156 - EPA 5030 Soil MS

Matrix Spike Dup (1604156-MSD1)		Source: 1604099-04			Prepared & Analyzed: 04/15/16					
Benzene	0.102	0.0020	mg/kg	0.0996	ND	103	30-131	2.51	34	
Toluene	0.112	0.0050	"	0.0996	ND	113	30-134	3.60	30	
Ethylbenzene	0.127	0.0050	"	0.0988	ND	128	22-153	6.19	24	
m,p-Xylene	0.242	0.010	"	0.199	ND	122	10-159	6.54	68	
o-Xylene	0.118	0.0050	"	0.0976	ND	120	31-151	5.85	38	
Xylenes (total)	0.359	0.0050	"		ND		30-150	6.31	20	
Gasoline Range Hydrocarbons	2.09	0.50	"		ND		30-150	12.6	20	
Surrogate: 1,2-Dichloroethane-d4	0.0408		"	0.0398		102	23-173			
Surrogate: Toluene-d8	0.0388		"	0.0398		97.5	20-170			
Surrogate: 4-Bromofluorobenzene	0.0410		"	0.0398		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 Tank Battery

Project Number: 701959.001.09
Project Manager: Colby Sterling

Reported:
04/18/16 10:45

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

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.

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

April 28, 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 04/22/16 16:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in dark ink, appearing to read "M. Clements", with a stylized flourish at the end.

Michelle Clements For Paul Shrewsbury
President



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Memorial FTC Tank Battery

Project Number: 701959.001.08
Project Manager: Colby Sterling

Reported:
04/28/16 09:32

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW-NW@20'	1604199-01	Soil	04/21/16 10:40	04/22/16 16:45

Summit Scientific

A handwritten signature in black ink, appearing to read 'M. Clement'.

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: 701959.001.08
Project Manager: Colby Sterling

Reported:
04/28/16 09:32

Summit Scientific

1604199

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

Page 1 of 1

Client: Talon LPE/B.I. Writing
Address: 1811 E. University
City/State/Zip: Flag CO 80521
Phone: 970-814-5330 Fax: _____
Sampler Name: Colin Sterling

Project Manager: Colby Sterling
E-Mail: Csterling@talent.com
Project Name: Memorial FTC Task Battery
Project Number: 701959.001.08

[illegible]

www.s2scientific.com

Summit Scientific

M Clement

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: 701959.001.08
Project Manager: Colby Sterling

Reported:
04/28/16 09:32

Sample Receipt Checklist

S2 Work Order: 1604199

Client: Talon

Client Project ID: Memorial FTC Tank Battery

Shipped Via: _____

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

Airbill #: _____

361959.001.0

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

Cooler ID					
Temp (°C)	<u>20.0</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⁾ ?			<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 ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
If custody seals are present, are they intact ⁽¹⁾ ?	<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 ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<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) ⁽¹⁾ ?			<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 ⁽¹⁾ ?			<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):				
⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.				

Murphy
Custodian Printed Name

AD 4-22-16
Signature or Initials of Custodian

19:22
Date/Time

M Clements



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Memorial FTC Tank Battery

Project Number: 701959.001.08
Project Manager: Colby Sterling

Reported:
04/28/16 09:32

SW-NW@20'
1604199-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 04/21/16 10:40

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1604267	04/25/16	04/26/16	8015M	

Date Sampled: 04/21/16 10:40

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		99.4 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 04/21/16 10:40

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1604268	04/25/16	04/27/16	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: 04/21/16 10:40

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		109 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		97.2 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.4 %	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 Tank Battery
Project Number: 701959.001.08
Project Manager: Colby Sterling

Reported:
04/28/16 09:32

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 1604267 - EPA 3550A

Blank (1604267-BLK1)

Prepared & Analyzed: 04/25/16

C10-C28 (DRO)	ND	50	mg/kg							
Surrogate: o-Terphenyl	12.0		"	12.5		96.1	30-150			

LCS (1604267-BS1)

Prepared & Analyzed: 04/25/16

C10-C28 (DRO)	525	50	mg/kg	499		105	73-134			
Surrogate: o-Terphenyl	13.4		"	12.5		107	30-150			

Matrix Spike (1604267-MS1)

Source: 1604200-01

Prepared & Analyzed: 04/25/16

C10-C28 (DRO)	533	50	mg/kg	473	37.0	105	50-148			
Surrogate: o-Terphenyl	13.2		"	11.9		111	30-150			

Matrix Spike Dup (1604267-MSD1)

Source: 1604200-01

Prepared & Analyzed: 04/25/16

C10-C28 (DRO)	543	50	mg/kg	484	37.0	104	50-148	1.87	13	
Surrogate: o-Terphenyl	13.3		"	12.1		110	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: 701959.001.08
Project Manager: Colby Sterling

Reported:
04/28/16 09:32

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 1604268 - EPA 5030 Soil MS

Blank (1604268-BLK1)

Prepared & Analyzed: 04/25/16

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	0.0400		"	0.0400		100	23-173			
Surrogate: Toluene-d8	0.0405		"	0.0400		101	20-170			
Surrogate: 4-Bromofluorobenzene	0.0401		"	0.0400		100	21-167			

LCS (1604268-BS1)

Prepared & Analyzed: 04/25/16

Benzene	0.101	0.0020	mg/kg	0.100		101	58-130			
Toluene	0.101	0.0050	"	0.100		101	61-134			
Ethylbenzene	0.103	0.0050	"	0.0992		104	74-139			
m,p-Xylene	0.147	0.010	"	0.200		73.7	73-137			
o-Xylene	0.0949	0.0050	"	0.0980		96.8	73-141			
Xylenes (total)	0.201	0.0050	"				30-150			
Gasoline Range Hydrocarbons	1.34	0.50	"				30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0372		"	0.0400		93.0	23-173			
Surrogate: Toluene-d8	0.0443		"	0.0400		111	20-170			
Surrogate: 4-Bromofluorobenzene	0.0423		"	0.0400		106	21-167			

Matrix Spike (1604268-MS1)

Source: 1604200-01

Prepared & Analyzed: 04/25/16

Benzene	0.114	0.0020	mg/kg	0.100	ND	114	30-131			
Toluene	0.111	0.0050	"	0.100	ND	111	30-134			
Ethylbenzene	0.122	0.0050	"	0.0992	ND	123	22-153			
m,p-Xylene	0.125	0.010	"	0.200	ND	62.8	10-159			
o-Xylene	0.113	0.0050	"	0.0980	ND	115	31-151			
Xylenes (total)	0.238	0.0050	"		ND		30-150			
Gasoline Range Hydrocarbons	1.70	0.50	"		ND		30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0429		"	0.0400		107	23-173			
Surrogate: Toluene-d8	0.0420		"	0.0400		105	20-170			
Surrogate: 4-Bromofluorobenzene	0.0410		"	0.0400		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 Tank Battery
Project Number: 701959.001.08
Project Manager: Colby Sterling

Reported:
04/28/16 09:32

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 1604268 - EPA 5030 Soil MS

Matrix Spike Dup (1604268-MSD1)	Source: 1604200-01			Prepared & Analyzed: 04/25/16						
Benzene	0.122	0.0020	mg/kg	0.100	ND	122	30-131	6.31	34	
Toluene	0.122	0.0050	"	0.100	ND	122	30-134	8.95	30	
Ethylbenzene	0.133	0.0050	"	0.0992	ND	134	22-153	8.26	24	
m,p-Xylene	0.136	0.010	"	0.200	ND	68.3	10-159	8.34	68	
o-Xylene	0.124	0.0050	"	0.0980	ND	127	31-151	9.89	38	
Xylenes (total)	0.261	0.0050	"		ND		30-150	9.08	20	
Gasoline Range Hydrocarbons	1.91	0.50	"		ND		30-150	11.2	20	
Surrogate: 1,2-Dichloroethane-d4	0.0474		"	0.0400		119	23-173			
Surrogate: Toluene-d8	0.0412		"	0.0400		103	20-170			
Surrogate: 4-Bromofluorobenzene	0.0418		"	0.0400		104	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 Tank Battery

Project Number: 701959.001.08
Project Manager: Colby Sterling

Reported:
04/28/16 09:32

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

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.

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

April 27, 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 04/25/16 14:00. 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: 701959.001.08
Project Manager: Colby Sterling

Reported:
04/27/16 20:06

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW-SE@22'	1604209-01	Soil	04/25/16 10:35	04/25/16 14:00

Summit Scientific

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

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: 701959.001.08
Project Manager: Colby Sterling

Reported:
04/27/16 20:06

Summit Scientific

1604200

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

Page 1 of 1

Client: John J. / [unclear]
Address: 1717 E. 1st St.
City/State/Zip: Dayton, OH 45402
Phone: 937-233-5330 Fax: _____
Sampler Name: Colby Sterling

Project Manager: Kelly Gaudin
E-Mail: kelly.gaudin@usda.gov
Project Name: Memorial FTL Battery
Project Number: 701959, 001.08

[illegible]

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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: 701959.001.08
Project Manager: Colby Sterling

Reported:
04/27/16 20:06

Sample Receipt Checklist

S2 Work Order: 1604209

Client: Talon

Client Project ID: Memorial FTC Battery # 701959.001.08

Shipped Via:

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

Airbill #:

Matrix (check all that apply):

☐ Air

☒ Soil/Solid

☐ Water

☐ Other:

(Describe)

Cooler ID					
Temp (°C)	<u>21.2</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 ⁽¹⁾ ?			<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 ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
If custody seals are present, are they intact ⁽¹⁾ ?			<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 ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<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) ⁽¹⁾ ?			<input checked="" type="checkbox"/>	
Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, etc.				
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ?			<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):				
⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.				

Muri Premier

14 4-25-16

14:18



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Memorial FTC Tank Battery
Project Number: 701959.001.08
Project Manager: Colby Sterling

Reported:
04/27/16 20:06

SW-SE@22'
1604209-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/25/16 10:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1604273	04/26/16	04/27/16	8015M	

Date Sampled: **04/25/16 10:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		108 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/25/16 10:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1604274	04/26/16	04/27/16	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **04/25/16 10:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		112 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		97.7 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.9 %	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 Tank Battery
Project Number: 701959.001.08
Project Manager: Colby Sterling

Reported:
04/27/16 20:06

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 1604273 - EPA 3550A

Blank (1604273-BLK1)

Prepared & Analyzed: 04/26/16

C10-C28 (DRO) ND 50 mg/kg

Surrogate: o-Terphenyl 12.6 " 12.5 101 30-150

LCS (1604273-BS1)

Prepared: 04/26/16 Analyzed: 04/27/16

C10-C28 (DRO) 598 50 mg/kg 499 120 73-134

Surrogate: o-Terphenyl 14.3 " 12.5 114 30-150

Matrix Spike (1604273-MS1)

Source: 1604204-01

Prepared: 04/26/16 Analyzed: 04/27/16

C10-C28 (DRO) 521 50 mg/kg 459 37.6 105 50-148

Surrogate: o-Terphenyl 13.7 " 11.5 119 30-150

Matrix Spike Dup (1604273-MSD1)

Source: 1604204-01

Prepared: 04/26/16 Analyzed: 04/27/16

C10-C28 (DRO) 531 50 mg/kg 477 37.6 103 50-148 1.79 13

Surrogate: o-Terphenyl 13.6 " 12.0 114 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: 701959.001.08
Project Manager: Colby Sterling

Reported:
04/27/16 20:06

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 1604274 - EPA 5030 Soil MS

Blank (1604274-BLK1)

Prepared: 04/26/16 Analyzed: 04/27/16

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	0.0428		"	0.0400		107	23-173			
Surrogate: Toluene-d8	0.0403		"	0.0400		101	20-170			
Surrogate: 4-Bromofluorobenzene	0.0387		"	0.0400		96.8	21-167			

LCS (1604274-BS1)

Prepared: 04/26/16 Analyzed: 04/27/16

Benzene	0.0882	0.0020	mg/kg	0.100		88.2	58-130			
Toluene	0.0900	0.0050	"	0.100		90.0	61-134			
Ethylbenzene	0.120	0.0050	"	0.0992		121	74-139			
m,p-Xylene	0.230	0.010	"	0.200		115	73-137			
o-Xylene	0.108	0.0050	"	0.0980		110	73-141			
Xylenes (total)	0.338	0.0050	"				30-150			
Gasoline Range Hydrocarbons	2.68	0.50	"				30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0422		"	0.0400		106	23-173			
Surrogate: Toluene-d8	0.0403		"	0.0400		101	20-170			
Surrogate: 4-Bromofluorobenzene	0.0392		"	0.0400		98.1	21-167			

Matrix Spike (1604274-MS1)

Source: 1604204-01

Prepared: 04/26/16 Analyzed: 04/27/16

Benzene	0.0878	0.0020	mg/kg	0.0996	ND	88.2	30-131			
Toluene	0.0884	0.0050	"	0.0996	ND	88.7	30-134			
Ethylbenzene	0.121	0.0050	"	0.0988	ND	122	22-153			
m,p-Xylene	0.231	0.010	"	0.199	ND	116	10-159			
o-Xylene	0.111	0.0050	"	0.0976	ND	113	31-151			
Xylenes (total)	0.341	0.0050	"		ND		30-150			
Gasoline Range Hydrocarbons	2.75	0.50	"		ND		30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0440		"	0.0398		111	23-173			
Surrogate: Toluene-d8	0.0396		"	0.0398		99.3	20-170			
Surrogate: 4-Bromofluorobenzene	0.0390		"	0.0398		98.0	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 Tank Battery
Project Number: 701959.001.08
Project Manager: Colby Sterling

Reported:
04/27/16 20:06

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 1604274 - EPA 5030 Soil MS

Matrix Spike Dup (1604274-MSD1)	Source: 1604204-01			Prepared: 04/26/16		Analyzed: 04/27/16				
Benzene	0.0901	0.0020	mg/kg	0.0982	ND	91.8	30-131	2.58	34	
Toluene	0.0891	0.0050	"	0.0982	ND	90.7	30-134	0.790	30	
Ethylbenzene	0.117	0.0050	"	0.0974	ND	120	22-153	3.18	24	
m,p-Xylene	0.224	0.010	"	0.196	ND	114	10-159	2.87	68	
o-Xylene	0.109	0.0050	"	0.0963	ND	113	31-151	1.49	38	
Xylenes (total)	0.333	0.0050	"		ND		30-150	2.42	20	
Gasoline Range Hydrocarbons	2.80	0.50	"		ND		30-150	1.66	20	
Surrogate: 1,2-Dichloroethane-d4	0.0457		"	0.0393		116	23-173			
Surrogate: Toluene-d8	0.0399		"	0.0393		102	20-170			
Surrogate: 4-Bromofluorobenzene	0.0378		"	0.0393		96.2	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 Tank Battery
Project Number: 701959.001.08
Project Manager: Colby Sterling

Reported:
04/27/16 20:06

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

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.

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

April 28, 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 04/27/16 16:20. 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: 701959.001.08
Project Manager: Colby Sterling

Reported:
04/28/16 06:46

BH-1@25'
1604234-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/27/16 09:46**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	5300	50	mg/kg	1	1604299	04/27/16	04/27/16	8015M	

Date Sampled: **04/27/16 09:46**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		177 %	30-150		"	"	"	"	S-02

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/27/16 09:46**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	5.8	0.20	mg/kg	100	1604300	04/27/16	04/27/16	EPA 8260B	
Toluene	0.59	0.0050	"	1	"	"	"	"	
Ethylbenzene	18	0.50	"	100	"	"	"	"	
Xylenes (total)	40	0.50	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	3900	50	"	"	"	"	"	"	

Date Sampled: **04/27/16 09:46**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		105 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		126 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		123 %	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 Tank Battery
Project Number: 701959.001.08
Project Manager: Colby Sterling

Reported:
04/28/16 06:46

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 1604299 - EPA 3550A

Blank (1604299-BLK1)

Prepared & Analyzed: 04/27/16

C10-C28 (DRO) ND 50 mg/kg

Surrogate: o-Terphenyl 12.7 " 12.5 101 30-150

LCS (1604299-BS1)

Prepared & Analyzed: 04/27/16

C10-C28 (DRO) 485 50 mg/kg 499 97.1 73-134

Surrogate: o-Terphenyl 13.4 " 12.5 107 30-150

Matrix Spike (1604299-MS1)

Source: 1604236-01

Prepared & Analyzed: 04/27/16

C10-C28 (DRO) 420 50 mg/kg 450 10.9 91.1 50-148

Surrogate: o-Terphenyl 11.4 " 11.3 101 30-150

Matrix Spike Dup (1604299-MSD1)

Source: 1604236-01

Prepared & Analyzed: 04/27/16

C10-C28 (DRO) 381 50 mg/kg 451 10.9 82.0 50-148 9.86 13

Surrogate: o-Terphenyl 10.3 " 11.3 90.9 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: 701959.001.08
Project Manager: Colby Sterling

Reported:
04/28/16 06:46

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 1604300 - EPA 5030 Soil MS

Blank (1604300-BLK1)

Prepared & Analyzed: 04/27/16

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	0.0406		"	0.0400		101	23-173			
Surrogate: Toluene-d8	0.0395		"	0.0400		98.7	20-170			
Surrogate: 4-Bromofluorobenzene	0.0394		"	0.0400		98.6	21-167			

LCS (1604300-BS1)

Prepared & Analyzed: 04/27/16

Benzene	0.115	0.0020	mg/kg	0.100		115	58-130			
Toluene	0.115	0.0050	"	0.100		115	61-134			
Ethylbenzene	0.127	0.0050	"	0.0992		128	74-139			
m,p-Xylene	0.130	0.010	"	0.200		64.9	73-137			
o-Xylene	0.116	0.0050	"	0.0980		119	73-141			
Xylenes (total)	0.246	0.0050	"				30-150			
Gasoline Range Hydrocarbons	1.63	0.50	"				30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0405		"	0.0400		101	23-173			
Surrogate: Toluene-d8	0.0412		"	0.0400		103	20-170			
Surrogate: 4-Bromofluorobenzene	0.0403		"	0.0400		101	21-167			

Matrix Spike (1604300-MS1)

Source: 1604236-01

Prepared & Analyzed: 04/27/16

Benzene	0.107	0.0020	mg/kg	0.0919	ND	116	30-131			
Toluene	0.107	0.0050	"	0.0919	ND	117	30-134			
Ethylbenzene	0.123	0.0050	"	0.0912	ND	135	22-153			
m,p-Xylene	0.125	0.010	"	0.183	ND	68.1	10-159			
o-Xylene	0.114	0.0050	"	0.0901	ND	126	31-151			
Xylenes (total)	0.239	0.0050	"		ND		30-150			
Gasoline Range Hydrocarbons	1.67	0.50	"		ND		30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0392		"	0.0368		107	23-173			
Surrogate: Toluene-d8	0.0373		"	0.0368		101	20-170			
Surrogate: 4-Bromofluorobenzene	0.0373		"	0.0368		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 Tank Battery
Project Number: 701959.001.08
Project Manager: Colby Sterling

Reported:
04/28/16 06:46

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 1604300 - EPA 5030 Soil MS

Matrix Spike Dup (1604300-MSD1)		Source: 1604236-01			Prepared & Analyzed: 04/27/16					
Benzene	0.118	0.0020	mg/kg	0.0984	ND	119	30-131	9.82	34	
Toluene	0.116	0.0050	"	0.0984	ND	118	30-134	8.25	30	
Ethylbenzene	0.137	0.0050	"	0.0976	ND	140	22-153	10.6	24	
m,p-Xylene	0.139	0.010	"	0.196	ND	70.6	10-159	10.3	68	
o-Xylene	0.127	0.0050	"	0.0965	ND	131	31-151	10.8	38	
Xylenes (total)	0.265	0.0050	"		ND		30-150	10.5	20	
Gasoline Range Hydrocarbons	1.86	0.50	"		ND		30-150	10.9	20	
Surrogate: 1,2-Dichloroethane-d4	0.0435		"	0.0394		111	23-173			
Surrogate: Toluene-d8	0.0388		"	0.0394		98.6	20-170			
Surrogate: 4-Bromofluorobenzene	0.0399		"	0.0394		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 Tank Battery

Project Number: 701959.001.08
Project Manager: Colby Sterling

Reported:
04/28/16 06:46

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

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.

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

April 29, 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 04/28/16 18:05. 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, flowing script.

Paul Shrewsbury

President



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Memorial FTC Tank Battery

Project Number: 701959.001.08
Project Manager: Jennifer Galles

Reported:
04/29/16 16:02

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW-NE @ 23'	1604249-01	Soil	04/28/16 14:05	04/28/16 18:05
SW-N @ 21'	1604249-02	Soil	04/28/16 14:11	04/28/16 18:05

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: 701959.001.08
Project Manager: Jennifer Galles

Reported:
04/29/16 16:02

Summit Scientific 1604248

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:	cs Sterling@talonjpe.com
Project Name:	Memorial FTC Battery
Project Number:	701959.001.08

[illegible]

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: 701959.001.08
Project Manager: Jennifer Galles

Reported:
04/29/16 16:02

SW-NE @ 23'
1604249-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 04/28/16 14:05

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1604311	04/28/16	04/29/16	8015M	

Date Sampled: 04/28/16 14:05

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		94.3 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 04/28/16 14:05

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1604310	04/28/16	04/29/16	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	13	0.50	"	"	"	"	"	"	

Date Sampled: 04/28/16 14:05

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		112 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		101 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	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 Tank Battery
Project Number: 701959.001.08
Project Manager: Jennifer Galles

Reported:
04/29/16 16:02

SW-N @ 21'
1604249-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 04/28/16 14:11

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	580	50	mg/kg	1	1604311	04/28/16	04/29/16	8015M	

Date Sampled: 04/28/16 14:11

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		101 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 04/28/16 14:11

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1604310	04/28/16	04/29/16	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.12	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	110	5.0	"	10	"	"	"	"	

Date Sampled: 04/28/16 14:11

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		112 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		103 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	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 Tank Battery
Project Number: 701959.001.08
Project Manager: Jennifer Galles

Reported:
04/29/16 16:02

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 1604311 - EPA 3550A

Blank (1604311-BLK1)

Prepared: 04/28/16 Analyzed: 04/29/16

C10-C28 (DRO) ND 50 mg/kg

Surrogate: o-Terphenyl 12.0 " 12.5 96.0 30-150

LCS (1604311-BS1)

Prepared: 04/28/16 Analyzed: 04/29/16

C10-C28 (DRO) 533 50 mg/kg 499 107 73-134

Surrogate: o-Terphenyl 6.28 " 12.5 50.2 30-150

Matrix Spike (1604311-MS1)

Source: 1604248-01

Prepared: 04/28/16 Analyzed: 04/29/16

C10-C28 (DRO) 520 50 mg/kg 471 14.8 107 50-148

Surrogate: o-Terphenyl 7.19 " 11.8 60.9 30-150

Matrix Spike Dup (1604311-MSD1)

Source: 1604248-01

Prepared: 04/28/16 Analyzed: 04/29/16

C10-C28 (DRO) 509 50 mg/kg 471 14.8 105 50-148 2.09 13

Surrogate: o-Terphenyl 7.03 " 11.8 59.6 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: 701959.001.08
Project Manager: Jennifer Galles

Reported:
04/29/16 16:02

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 1604310 - EPA 5030 Soil MS

Blank (1604310-BLK1)

Prepared: 04/28/16 Analyzed: 04/29/16

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	0.0450		"	0.0400		112	23-173			
Surrogate: Toluene-d8	0.0406		"	0.0400		102	20-170			
Surrogate: 4-Bromofluorobenzene	0.0393		"	0.0400		98.2	21-167			

LCS (1604310-BS1)

Prepared: 04/28/16 Analyzed: 04/29/16

Benzene	0.0882	0.0020	mg/kg	0.100		88.2	58-130			
Toluene	0.0904	0.0050	"	0.100		90.4	61-134			
Ethylbenzene	0.121	0.0050	"	0.0992		122	74-139			
m,p-Xylene	0.234	0.010	"	0.200		117	73-137			
o-Xylene	0.111	0.0050	"	0.0980		113	73-141			
Xylenes (total)	0.345	0.0050	"				30-150			
Gasoline Range Hydrocarbons	2.71	0.50	"				30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0428		"	0.0400		107	23-173			
Surrogate: Toluene-d8	0.0396		"	0.0400		99.0	20-170			
Surrogate: 4-Bromofluorobenzene	0.0395		"	0.0400		98.7	21-167			

Matrix Spike (1604310-MS1)

Source: 1604248-01

Prepared: 04/28/16 Analyzed: 04/29/16

Benzene	0.0900	0.0020	mg/kg	0.100	ND	90.0	30-131			
Toluene	0.0895	0.0050	"	0.100	ND	89.5	30-134			
Ethylbenzene	0.120	0.0050	"	0.0992	ND	121	22-153			
m,p-Xylene	0.230	0.010	"	0.200	0.00547	113	10-159			
o-Xylene	0.112	0.0050	"	0.0980	ND	114	31-151			
Xylenes (total)	0.342	0.0050	"		ND		30-150			
Gasoline Range Hydrocarbons	3.15	0.50	"		1.37		30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0460		"	0.0400		115	23-173			
Surrogate: Toluene-d8	0.0405		"	0.0400		101	20-170			
Surrogate: 4-Bromofluorobenzene	0.0426		"	0.0400		107	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 Tank Battery
Project Number: 701959.001.08
Project Manager: Jennifer Galles

Reported:
04/29/16 16:02

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 1604310 - EPA 5030 Soil MS

Matrix Spike Dup (1604310-MSD1)		Source: 1604248-01			Prepared: 04/28/16		Analyzed: 04/29/16			
Benzene	0.0878	0.0020	mg/kg	0.0982	ND	89.4	30-131	2.42	34	
Toluene	0.0881	0.0050	"	0.0982	ND	89.7	30-134	1.55	30	
Ethylbenzene	0.116	0.0050	"	0.0974	ND	119	22-153	3.42	24	
m,p-Xylene	0.225	0.010	"	0.196	0.00547	112	10-159	2.32	68	
o-Xylene	0.107	0.0050	"	0.0963	ND	112	31-151	4.20	38	
Xylenes (total)	0.332	0.0050	"		ND		30-150	2.93	20	
Gasoline Range Hydrocarbons	3.03	0.50	"		1.37		30-150	3.99	20	
Surrogate: 1,2-Dichloroethane-d4	0.0457		"	0.0393		116	23-173			
Surrogate: Toluene-d8	0.0395		"	0.0393		100	20-170			
Surrogate: 4-Bromofluorobenzene	0.0413		"	0.0393		105	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 Tank Battery
Project Number: 701959.001.08
Project Manager: Jennifer Galles

Reported:
04/29/16 16:02

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

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.

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

May 05, 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 05/04/16 18:45. 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: 701959.001.08
Project Manager: Colby Sterling

Reported:
05/05/16 07:07

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW-N-2 @ 21'	1605032-01	Soil	05/04/16 15:25	05/04/16 18:45

Summit Scientific 16050.32

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@talonlpe.com

Project Name: Memorial FTC Battery

Project Number: 701959.001.08

[illegible]

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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: 701959.001.08
Project Manager: Colby Sterling

Reported:
05/05/16 07:07

SW-N-2 @ 21'
1605032-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 05/04/16 15:25

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	150	50	mg/kg	1	1605046	05/04/16	05/05/16	8015M	

Date Sampled: 05/04/16 15:25

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		86.5 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 05/04/16 15:25

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1605045	"	05/04/16	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	20	0.50	"	"	"	"	"	"	

Date Sampled: 05/04/16 15:25

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		119 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		99.6 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		116 %	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 Tank Battery
Project Number: 701959.001.08
Project Manager: Colby Sterling

Reported:
05/05/16 07:07

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 1605046 - EPA 3550A

Blank (1605046-BLK1)

Prepared: 05/04/16 Analyzed: 05/05/16

C10-C28 (DRO) ND 50 mg/kg

Surrogate: o-Terphenyl 10.4 " 12.5 83.4 30-150

LCS (1605046-BS1)

Prepared: 05/04/16 Analyzed: 05/05/16

C10-C28 (DRO) 511 50 mg/kg 499 102 73-134

Surrogate: o-Terphenyl 12.7 " 12.5 101 30-150

Matrix Spike (1605046-MS1)

Source: 1605031-18

Prepared: 05/04/16 Analyzed: 05/05/16

C10-C28 (DRO) 474 50 mg/kg 459 12.5 100 50-148

Surrogate: o-Terphenyl 11.8 " 11.5 103 30-150

Matrix Spike Dup (1605046-MSD1)

Source: 1605031-18

Prepared: 05/04/16 Analyzed: 05/05/16

C10-C28 (DRO) 474 50 mg/kg 459 12.5 100 50-148 0.113 13

Surrogate: o-Terphenyl 10.6 " 11.5 92.0 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: 701959.001.08
Project Manager: Colby Sterling

Reported:
05/05/16 07:07

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 1605045 - EPA 5030 Soil MS

Blank (1605045-BLK1)

Prepared: 05/04/16 Analyzed: 05/05/16

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	0.0455		"	0.0400		114	23-173			
Surrogate: Toluene-d8	0.0395		"	0.0400		98.8	20-170			
Surrogate: 4-Bromofluorobenzene	0.0410		"	0.0400		103	21-167			

LCS (1605045-BS1)

Prepared: 05/04/16 Analyzed: 05/05/16

Benzene	0.0954	0.0020	mg/kg	0.100		95.4	58-130			
Toluene	0.0957	0.0050	"	0.100		95.7	61-134			
Ethylbenzene	0.132	0.0050	"	0.0992		133	74-139			
m,p-Xylene	0.253	0.010	"	0.200		127	73-137			
o-Xylene	0.120	0.0050	"	0.0980		122	73-141			
Xylenes (total)	0.373	0.0050	"				30-150			
Gasoline Range Hydrocarbons	3.02	0.50	"				30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0464		"	0.0400		116	23-173			
Surrogate: Toluene-d8	0.0396		"	0.0400		99.1	20-170			
Surrogate: 4-Bromofluorobenzene	0.0387		"	0.0400		96.7	21-167			

Matrix Spike (1605045-MS1)

Source: 1605031-18

Prepared: 05/04/16 Analyzed: 05/05/16

Benzene	0.0927	0.0020	mg/kg	0.0958	ND	96.8	30-131			
Toluene	0.0920	0.0050	"	0.0958	ND	96.0	30-134			
Ethylbenzene	0.131	0.0050	"	0.0950	ND	138	22-153			
m,p-Xylene	0.250	0.010	"	0.191	ND	131	10-159			
o-Xylene	0.119	0.0050	"	0.0939	ND	126	31-151			
Xylenes (total)	0.368	0.0050	"		ND		30-150			
Gasoline Range Hydrocarbons	3.41	0.50	"		0.262		30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0436		"	0.0383		114	23-173			
Surrogate: Toluene-d8	0.0382		"	0.0383		99.7	20-170			
Surrogate: 4-Bromofluorobenzene	0.0389		"	0.0383		102	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 Tank Battery
Project Number: 701959.001.08
Project Manager: Colby Sterling

Reported:
05/05/16 07:07

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 1605045 - EPA 5030 Soil MS

Matrix Spike Dup (1605045-MSD1)		Source: 1605031-18			Prepared: 05/04/16		Analyzed: 05/05/16			
Benzene	0.0958	0.0020	mg/kg	0.0986	ND	97.1	30-131	3.26	34	
Toluene	0.0968	0.0050	"	0.0986	ND	98.2	30-134	5.11	30	
Ethylbenzene	0.132	0.0050	"	0.0978	ND	134	22-153	0.647	24	
m,p-Xylene	0.251	0.010	"	0.197	ND	128	10-159	0.611	68	
o-Xylene	0.120	0.0050	"	0.0966	ND	124	31-151	1.40	38	
Xylenes (total)	0.372	0.0050	"		ND		30-150	0.866	20	
Gasoline Range Hydrocarbons	3.14	0.50	"		0.262		30-150	8.48	20	
Surrogate: 1,2-Dichloroethane-d4	0.0456		"	0.0394		116	23-173			
Surrogate: Toluene-d8	0.0401		"	0.0394		102	20-170			
Surrogate: 4-Bromofluorobenzene	0.0407		"	0.0394		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 Tank Battery
Project Number: 701959.001.08
Project Manager: Colby Sterling

Reported:
05/05/16 07:07

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

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.

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 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, flowing 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

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

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 ₃	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)	TPH	
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"/> 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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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

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 ⁽¹⁾ ?	<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 ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
If custody seals are present, are they intact ⁽¹⁾ ?			<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 ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<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) ⁽¹⁾ ?			<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 ⁽¹⁾ ?			<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):				
⁽¹⁾ 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
C10-C28 (DRO)	930	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	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	1.5	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

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

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		"	"	"	"	

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

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
<i>Surrogate: o-Terphenyl</i>		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
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		103 %	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

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
C10-C28 (DRO)	1500	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
Surrogate: o-Terphenyl		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	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	0.70	0.50	"	"	"	"	"	"	

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		106 %	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

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		"	"	"	"	

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

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
C10-C28 (DRO)	1000	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
Surrogate: o-Terphenyl		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	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	1.3	0.50	"	"	"	"	"	"	

Date Sampled: 06/02/16 13:20

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		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

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

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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

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
C10-C28 (DRO)	1100	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
Surrogate: o-Terphenyl		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	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	1.0	0.50	"	"	"	"	"	"	

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		104 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		101 %	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

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

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

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




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 ₃	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"/>	
Relinquished by:	Date/Time:	Received in Lab by:	Date/Time:	24 Hours <input checked="" type="checkbox"/> Standard <input type="checkbox"/>	
				Sample Integrity:	
				Temperature Upon Receipt: 9.2	
				Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

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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 ⁽¹⁾ ?			<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 ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
If custody seals are present, are they intact ⁽¹⁾ ?			<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 ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<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) ⁽¹⁾ ?			<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 ⁽¹⁾ ?			<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):				
⁽¹⁾ 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
C10-C28 (DRO)	54	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

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

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

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

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

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

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
<i>Surrogate: o-Terphenyl</i>		92.4 %	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

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
C10-C28 (DRO)	75	50	mg/kg	1	1606126	06/13/16	06/14/16	8015M	

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

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

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
C10-C28 (DRO)	490	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
Surrogate: o-Terphenyl		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
C10-C28 (DRO)	91	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

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

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
<i>Surrogate: o-Terphenyl</i>		45.8 %	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

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

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

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

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.

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

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:
06/21/16 07:22



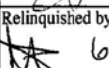
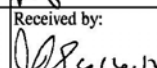
Summit Scientific 1622167

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 ₃	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"/>							
												Sample Integrity:							
Relinquished by:				Date/Time:		Received in Lab by:				Date/Time:		Temperature Upon Receipt: 10.0							
												Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>							

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:
06/21/16 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 ⁽¹⁾ ?			<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 ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
If custody seals are present, are they intact ⁽¹⁾ ?			<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 ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<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) ⁽¹⁾ ?			<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 ⁽¹⁾ ?			<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):				

⁽¹⁾ 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
C10-C28 (DRO)	310	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

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:
06/21/16 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
C10-C28 (DRO)	420	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
Surrogate: o-Terphenyl		82.5 %	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:
06/21/16 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

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:
06/21/16 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
C10-C28 (DRO)	650	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

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:
06/21/16 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

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:
06/21/16 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

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:
06/21/16 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

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.

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 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, flowing 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

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: Jennifer Galles

Reported:
06/24/16 06:40





Summit Scientific 1606246

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:	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 ₃	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:  6-23-16 17:50				Received by:  6-23-16 1750				Sample Integrity: Temperature Upon Receipt: 71.7 Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>											
Relinquished by:				Received in Lab by:															

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: 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 ⁽¹⁾ ?			<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 ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
If custody seals are present, are they intact ⁽¹⁾ ?			<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 ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<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) ⁽¹⁾ ?			<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 ⁽¹⁾ ?			<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):				

⁽¹⁾ 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
C10-C28 (DRO)	880	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>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

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: 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
C10-C28 (DRO)	350	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
C10-C28 (DRO)	160	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
Surrogate: o-Terphenyl		49.4 %	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: 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
C10-C28 (DRO)	470	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		"	"	"	"	

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

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
C10-C28 (DRO)	280	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

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: 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
C10-C28 (DRO)	380	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

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: Jennifer Galles

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
<i>Surrogate: o-Terphenyl</i>		49.5 %	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: Jennifer Galles

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
C10-C28 (DRO)	140	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		"	"	"	"	

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: Jennifer Galles

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			

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: Jennifer Galles

Reported:
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

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.

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

July 10, 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 06/30/16 15:15. 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:
07/10/16 20:53

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B1	1607008-01	Soil	06/30/16 09:55	06/30/16 15:15
B2	1607008-02	Soil	06/30/16 10:00	06/30/16 15:15
B3	1607008-03	Soil	06/30/16 10:05	06/30/16 15:15
B4	1607008-04	Soil	06/30/16 10:10	06/30/16 15:15
B5	1607008-05	Soil	06/30/16 10:15	06/30/16 15:15
B6	1607008-06	Soil	06/30/16 10:20	06/30/16 15:15

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:
07/10/16 20:53

Summit Scientific

1607008

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@talonlpe.com
Project Name:	Memorial - FTC Battery
Project Number:	701959.001.09

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)	DRO												
B1	6/30/2016	955	1		X			X			X													
B2	6/30/2016	1000	1		X			X			X													
B3	6/30/2016	1005	1		X			X			X													
B4	6/30/2016	1010	1		X			X			X													
B5	6/30/2016	1015	1		X			X			X													
B6	6/30/2016	1020	1		X			X			X													

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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:
07/10/16 20:53

Sample Receipt Checklist

S2 Work Order: 1607008

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>15.7</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 ⁽¹⁾ ?			<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 ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
If custody seals are present, are they intact ⁽¹⁾ ?			<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 ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<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) ⁽¹⁾ ?			<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 ⁽¹⁾ ?			<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):				
⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.				

Muri Premier
Custodian Printed Name

CS 6-30-16
Signature or Initials of Custodian

11:20
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:
07/10/16 20:53

B1
1607008-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/30/16 09:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	170	50	mg/kg	1	1607066	07/07/16	07/07/16	8015M	

Date Sampled: **06/30/16 09:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		105 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/30/16 09:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1607033	07/05/16	07/06/16	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	

Date Sampled: **06/30/16 09:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.4 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		97.0 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		94.2 %	21-167		"	"	"	"	

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:
07/10/16 20:53

B2
1607008-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/30/16 10:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	110	50	mg/kg	1	1607066	07/07/16	07/07/16	8015M	

Date Sampled: **06/30/16 10:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		84.5 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/30/16 10:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1607033	07/05/16	07/06/16	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	

Date Sampled: **06/30/16 10:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		92.8 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		98.1 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		91.6 %	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 Tank Battery
Project Number: 701959.001.09
Project Manager: Colby Sterling

Reported:
07/10/16 20:53

B3
1607008-03 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/30/16 10:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	380	50	mg/kg	1	1607066	07/07/16	07/07/16	8015M	

Date Sampled: **06/30/16 10:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		111 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/30/16 10:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1607033	07/05/16	07/06/16	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	

Date Sampled: **06/30/16 10:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		94.9 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		98.6 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.4 %	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 Tank Battery
Project Number: 701959.001.09
Project Manager: Colby Sterling

Reported:
07/10/16 20:53

B4
1607008-04 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	160	50	mg/kg	1	1607066	07/07/16	07/07/16	8015M	

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		81.8 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1607033	07/05/16	07/06/16	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		90.8 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		96.6 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.0 %	21-167		"	"	"	"	

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:
07/10/16 20:53

B5
1607008-05 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	240	50	mg/kg	1	1607066	07/07/16	07/07/16	8015M	

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		110 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1607033	07/05/16	07/06/16	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		97.9 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		96.8 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.0 %	21-167		"	"	"	"	

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:
07/10/16 20:53

B6
1607008-06 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **06/30/16 10:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	340	50	mg/kg	1	1607066	07/07/16	07/07/16	8015M	

Date Sampled: **06/30/16 10:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		108 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/30/16 10:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1607033	07/05/16	07/06/16	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	

Date Sampled: **06/30/16 10:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		95.3 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		96.8 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.5 %	21-167		"	"	"	"	

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:
07/10/16 20:53

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 1607066 - EPA 3550A

Blank (1607066-BLK1)

Prepared & Analyzed: 07/07/16

C10-C28 (DRO)	ND	50	mg/kg							
Surrogate: o-Terphenyl	12.4		"	12.5		99.4	30-150			

LCS (1607066-BS1)

Prepared & Analyzed: 07/07/16

C10-C28 (DRO)	436	50	mg/kg	499		87.5	73-134			
Surrogate: o-Terphenyl	14.8		"	12.5		118	30-150			

Matrix Spike (1607066-MS1)

Source: 1607008-01

Prepared & Analyzed: 07/07/16

C10-C28 (DRO)	879	50	mg/kg	499	168	142	50-148			
Surrogate: o-Terphenyl	18.2		"	12.5		146	30-150			

Matrix Spike Dup (1607066-MSD1)

Source: 1607008-01

Prepared & Analyzed: 07/07/16

C10-C28 (DRO)	588	50	mg/kg	499	168	84.2	50-148	39.6	20	QM-07
Surrogate: o-Terphenyl	14.0		"	12.5		112	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:
07/10/16 20:53

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 1607033 - EPA 5030 Soil MS

Blank (1607033-BLK1)

Prepared & Analyzed: 07/05/16

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Surrogate: 1,2-Dichloroethane-d4	0.0296		"	0.0400		74.1	23-173			
Surrogate: Toluene-d8	0.0393		"	0.0400		98.2	20-170			
Surrogate: 4-Bromofluorobenzene	0.0392		"	0.0400		98.1	21-167			

LCS (1607033-BS1)

Prepared & Analyzed: 07/05/16

Benzene	0.145	0.0020	mg/kg	0.150		96.6	58-130			
Toluene	0.141	0.0050	"	0.150		93.7	61-134			
Ethylbenzene	0.141	0.0050	"	0.150		93.9	74-139			
m,p-Xylene	0.282	0.010	"	0.300		94.1	73-137			
o-Xylene	0.145	0.0050	"	0.150		96.8	73-141			
Surrogate: 1,2-Dichloroethane-d4	0.0291		"	0.0400		72.8	23-173			
Surrogate: Toluene-d8	0.0409		"	0.0400		102	20-170			
Surrogate: 4-Bromofluorobenzene	0.0394		"	0.0400		98.6	21-167			

Matrix Spike (1607033-MS1)

Source: 1607019-03

Prepared & Analyzed: 07/05/16

Benzene	0.152	0.0020	mg/kg	0.150	ND	101	30-131			
Toluene	0.146	0.0050	"	0.150	ND	97.6	30-134			
Ethylbenzene	0.140	0.0050	"	0.150	ND	93.2	22-153			
m,p-Xylene	0.282	0.010	"	0.300	ND	93.9	10-159			
o-Xylene	0.145	0.0050	"	0.150	ND	96.4	31-151			
Surrogate: 1,2-Dichloroethane-d4	0.0305		"	0.0400		76.3	23-173			
Surrogate: Toluene-d8	0.0419		"	0.0400		105	20-170			
Surrogate: 4-Bromofluorobenzene	0.0396		"	0.0400		99.0	21-167			

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:
07/10/16 20:53

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 1607033 - EPA 5030 Soil MS

Matrix Spike Dup (1607033-MSD1)		Source: 1607019-03			Prepared & Analyzed: 07/05/16					
Benzene	0.141	0.0020	mg/kg	0.150	ND	93.9	30-131	7.50	34	
Toluene	0.136	0.0050	"	0.150	ND	90.6	30-134	7.48	30	
Ethylbenzene	0.132	0.0050	"	0.150	ND	87.8	22-153	6.01	24	
m,p-Xylene	0.267	0.010	"	0.300	ND	89.2	10-159	5.19	68	
o-Xylene	0.138	0.0050	"	0.150	ND	91.9	31-151	4.82	38	
Surrogate: 1,2-Dichloroethane-d4	0.0312		"	0.0400		78.1	23-173			
Surrogate: Toluene-d8	0.0414		"	0.0400		103	20-170			
Surrogate: 4-Bromofluorobenzene	0.0403		"	0.0400		101	21-167			

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:
07/10/16 20:53

Notes and Definitions

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

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

July 15, 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 07/11/16 16:30. 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:
07/15/16 15:20

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
A4	1607064-01	Soil	07/11/16 14:10	07/11/16 16:30
B7	1607064-02	Soil	07/11/16 14:15	07/11/16 16:30
B8	1607064-03	Soil	07/11/16 14:20	07/11/16 16:30
B9	1607064-04	Soil	07/11/16 14:25	07/11/16 16:30
B10	1607064-05	Soil	07/11/16 14:30	07/11/16 16:30
B11	1607064-06	Soil	07/11/16 14:35	07/11/16 16:30
B12	1607064-07	Soil	07/11/16 14:40	07/11/16 16:30
B13	1607064-08	Soil	07/11/16 14:45	07/11/16 16:30
B14	1607064-09	Soil	07/11/16 14:50	07/11/16 16:30
B15	1607064-10	Soil	07/11/16 14:55	07/11/16 16:30

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:
07/15/16 15:20

Sample Receipt Checklist

S2 Work Order: ~~Ft Collins~~ 1607064

Client: Talon

Client Project ID: Memorial FTC-Battery

Shipped Via: P.O.

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

Airbill #: _____

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

Cooler ID					
Temp (°C)	26.7				

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⁾ ?			X	
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 ⁽¹⁾ ?	X			
Was adequate sample volume provided ⁽¹⁾ ?	X			
If custody seals are present, are they intact ⁽¹⁾ ?	X		X	
Are short holding time analytes or samples with HTs due within 48 hours present?			X	
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	X			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	X			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	X			
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	X			
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.			X	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ?			X	
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 ⁽¹⁾ ?			X	
Record the pH in Comments.				
If dissolved metals are requested, were samples field filtered?			X	
Additional Comments (if any):				
⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.				

Muri P.
Custodian Printed Name

7-11-16
Signature or Initials of Custodian

15:10
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:
07/15/16 15:20

A4
1607064-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 07/11/16 14:10

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	460	50	mg/kg	1	1607097	07/12/16	07/13/16	8015M	

Date Sampled: 07/11/16 14:10

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		95.9 %	30-150		"	"	"	"	S-02

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:
07/15/16 15:20

B7
1607064-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/11/16 14:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	790	50	mg/kg	1	1607097	07/12/16	07/13/16	8015M	

Date Sampled: **07/11/16 14:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		125 %	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:
07/15/16 15:20

B8
1607064-03 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/11/16 14:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	1200	50	mg/kg	1	1607097	07/12/16	07/13/16	8015M	

Date Sampled: **07/11/16 14:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		136 %	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:
07/15/16 15:20

B9
1607064-04 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 07/11/16 14:25

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	870	50	mg/kg	1	1607097	07/12/16	07/13/16	8015M	

Date Sampled: 07/11/16 14:25

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		101 %	30-150		"	"	"	"	S-02

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:
07/15/16 15:20

B10
1607064-05 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/11/16 14:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	580	50	mg/kg	1	1607097	07/12/16	07/13/16	8015M	

Date Sampled: **07/11/16 14:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		71.0 %	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:
07/15/16 15:20

B11
1607064-06 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 07/11/16 14:35

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	1100	50	mg/kg	1	1607097	07/12/16	07/13/16	8015M	

Date Sampled: 07/11/16 14:35

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		197 %	30-150		"	"	"	"	S-02

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:
07/15/16 15:20

B12
1607064-07 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 07/11/16 14:40

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	1100	50	mg/kg	1	1607097	07/12/16	07/13/16	8015M	

Date Sampled: 07/11/16 14:40

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		123 %	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:
07/15/16 15:20

B13
1607064-08 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 07/11/16 14:45

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	1400	50	mg/kg	1	1607097	07/12/16	07/13/16	8015M	

Date Sampled: 07/11/16 14:45

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		216 %	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:
07/15/16 15:20

B14
1607064-09 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/11/16 14:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	320	50	mg/kg	1	1607097	07/12/16	07/13/16	8015M	

Date Sampled: **07/11/16 14:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		126 %	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:
07/15/16 15:20

B15
1607064-10 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/11/16 14:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	380	50	mg/kg	1	1607097	07/12/16	07/13/16	8015M	

Date Sampled: **07/11/16 14:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		59.4 %	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:
07/15/16 15:20

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 1607097 - EPA 3550A

Blank (1607097-BLK1)

Prepared & Analyzed: 07/12/16

C10-C28 (DRO) ND 50 mg/kg

Surrogate: o-Terphenyl 11.8 " 12.5 94.5 30-150

LCS (1607097-BS1)

Prepared & Analyzed: 07/12/16

C10-C28 (DRO) 510 50 mg/kg 499 102 73-134

Surrogate: o-Terphenyl 14.4 " 12.5 115 30-150

Matrix Spike (1607097-MS1)

Source: 1607064-01

Prepared & Analyzed: 07/12/16

C10-C28 (DRO) 300 50 mg/kg 485 461 NR 50-148 QM-07

Surrogate: o-Terphenyl 6.32 " 12.2 52.0 30-150

Matrix Spike Dup (1607097-MSD1)

Source: 1607064-01

Prepared & Analyzed: 07/12/16

C10-C28 (DRO) 365 50 mg/kg 467 461 NR 50-148 19.6 20 QM-07

Surrogate: o-Terphenyl 7.01 " 11.7 59.9 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:
07/15/16 15:20

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

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.

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

July 25, 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 07/18/16 18:10. 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:
07/25/16 14:57

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B16	1607120-01	Soil	07/18/16 15:00	07/18/16 18:10
B17	1607120-02	Soil	07/18/16 15:05	07/18/16 18:10
B18	1607120-03	Soil	07/18/16 15:10	07/18/16 18:10
B19	1607120-04	Soil	07/18/16 15:15	07/18/16 18:10
B20	1607120-05	Soil	07/18/16 15:20	07/18/16 18:10
B21	1607120-06	Soil	07/18/16 15:25	07/18/16 18:10
B22	1607120-07	Soil	07/18/16 15:30	07/18/16 18:10

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:
07/25/16 14:57

Summit Scientific

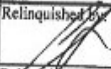
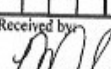
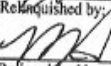

1607120

741 Corporate Circle Suite 1 ♦ 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@talonpe.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 ₃	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)	DRO								
B16	7/18/2016	1500	1		x				x			x								
B17	7/18/2016	1505	1		x				x			x								
B18	7/18/2016	1510	1		x				x			x								
B19	7/18/2016	1515	1		x				x			x								
B20	7/18/2016	1520	1		x				x			x								
B21	7/18/2016	1525	1		x				x			x								
B22	7/18/2016	1530	1		x				x			x								
Relinquished by: 	Date/Time: 7-18-16 1620	Received by: 	Date/Time: 7/18/16 1620	Turn Around Time (Check)		72 Hours <input type="checkbox"/>		Notes:												
Relinquished by: 	Date/Time: 7/18/16 1810	Received by: 	Date/Time: 7/18/16 1840	Same Day <input type="checkbox"/>		Standard <input checked="" type="checkbox"/>		on ice												
Relinquished by:	Date/Time:	Received in Lab by:	Date/Time:	Sample Integrity:		Temperature Upon Receipt: 11.0°C														
				Intact: Yes <input type="checkbox"/> No <input type="checkbox"/>																

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:
07/25/16 14:57

Sample Receipt Checklist

S2 Work Order: 1607120

Client: Talon/LPE

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>11.0</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⁾ ?		<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 ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
If custody seals are present, are they intact ⁽¹⁾ ?			<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 ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<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) ⁽¹⁾ ?			<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 ⁽¹⁾ ?			<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):				
⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.				

Nakita
Custodian Printed Name

MAA
Signature or Initials of Custodian

7/18/16 12:10
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:
07/25/16 14:57

B16
1607120-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 07/18/16 15:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	760	50	mg/kg	1	1607170	07/19/16	07/19/16	8015M	

Date Sampled: 07/18/16 15:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		103 %	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:
07/25/16 14:57

B17
1607120-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/18/16 15:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	690	50	mg/kg	1	1607170	07/19/16	07/20/16	8015M	

Date Sampled: **07/18/16 15:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		107 %	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:
07/25/16 14:57

B18
1607120-03 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 07/18/16 15:10

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	710	50	mg/kg	1	1607170	07/19/16	07/20/16	8015M	

Date Sampled: 07/18/16 15:10

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		96.3 %	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:
07/25/16 14:57

B19
1607120-04 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/18/16 15:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	380	50	mg/kg	1	1607170	07/19/16	07/20/16	8015M	

Date Sampled: **07/18/16 15:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		93.3 %	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:
07/25/16 14:57

B20
1607120-05 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 07/18/16 15:20

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	650	50	mg/kg	1	1607170	07/19/16	07/20/16	8015M	

Date Sampled: 07/18/16 15:20

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		104 %	30-150		"	"	"	"	S-02

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:
07/25/16 14:57

B21
1607120-06 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/18/16 15:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	390	50	mg/kg	1	1607170	07/19/16	07/20/16	8015M	

Date Sampled: **07/18/16 15:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		87.9 %	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:
07/25/16 14:57

B22
1607120-07 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/18/16 15:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	390	50	mg/kg	1	1607170	07/19/16	07/20/16	8015M	

Date Sampled: **07/18/16 15:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		42.6 %	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:
07/25/16 14:57

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 1607170 - EPA 3550A

Blank (1607170-BLK1)

Prepared & Analyzed: 07/19/16

C10-C28 (DRO)	ND	50	mg/kg							
Surrogate: o-Terphenyl	12.4		"	12.5		99.0	30-150			

LCS (1607170-BS1)

Prepared & Analyzed: 07/19/16

C10-C28 (DRO)	606	50	mg/kg	499		121	73-134			
Surrogate: o-Terphenyl	15.5		"	12.5		124	30-150			

Matrix Spike (1607170-MS1)

Source: 1607117-01

Prepared & Analyzed: 07/19/16

C10-C28 (DRO)	547	50	mg/kg	472	28.9	110	50-148			
Surrogate: o-Terphenyl	12.6		"	11.8		106	30-150			

Matrix Spike Dup (1607170-MSD1)

Source: 1607117-01

Prepared & Analyzed: 07/19/16

C10-C28 (DRO)	556	50	mg/kg	458	28.9	115	50-148	1.76	20	
Surrogate: o-Terphenyl	13.8		"	11.5		120	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:
07/25/16 14:57

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

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.

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

August 05, 2016

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

Enclosed are the results of analyses for samples received by Summit Scientific on 07/26/16 16:45. 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: FTC Battery
Project Number: 702108.001.01
Project Manager: Colby Sterling

Reported:
08/05/16 15:33

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B7	1607183-01	Soil	07/26/16 13:55	07/26/16 16:45
B8	1607183-02	Soil	07/26/16 14:00	07/26/16 16:45
B9	1607183-03	Soil	07/26/16 14:05	07/26/16 16:45
B10	1607183-04	Soil	07/26/16 14:10	07/26/16 16:45
B11	1607183-05	Soil	07/26/16 14:15	07/26/16 16:45
B12	1607183-06	Soil	07/26/16 14:20	07/26/16 16:45
B13	1607183-07	Soil	07/26/16 14:25	07/26/16 16:45
B16	1607183-08	Soil	07/26/16 14:30	07/26/16 16:45
B17	1607183-09	Soil	07/26/16 14:35	07/26/16 16:45
B18	1607183-10	Soil	07/26/16 14:40	07/26/16 16:45
B20	1607183-11	Soil	07/26/16 14:45	07/26/16 16:45
B23	1607183-12	Soil	07/26/16 14:50	07/26/16 16:45
B24	1607183-13	Soil	07/26/16 14:55	07/26/16 16:45
B25	1607183-14	Soil	07/26/16 15:00	07/26/16 16:45
B26	1607183-15	Soil	07/26/16 15:05	07/26/16 16:45

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: FTC Battery

Project Number: 702108.001.01
Project Manager: Colby Sterling

Reported:
08/05/16 15:33

Summit Scientific

1607183.1

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

Client: Talon/LPE

Page 1 of 2

Address: 1811 East Mulberry

Project Manager: Colby Sterling

City/State/Zip: Fort Collins, CO 80524

E-Mail: csterling@talonline.com

Phone: 970-818-5330 Fax:

Project Name: FTC Battery

Sampler Name: Colby Sterling/Jason Leverton

Project Number:	702108.001.01
-----------------	---------------

						Preservative		Matrix		Analyze For:										
Sample Description	Date Sampled	Time Sampled	Number of Containers	HCl	<chem>HNO3</chem>	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)	DRO						Special Instructions		
B7	7/26/2016	1355	1	X				X				X								
B8	7/26/2016	1400	1	X				X				X								
B9	7/26/2016	1405	1	X				X				X								
B10	7/26/2016	1410	1	X				X				X								
B11	7/26/2016	1415	1	X				X				X								
B12	7/26/2016	1420	1	X				X				X								
B13	7/26/2016	1425	1	X				X				X								
B16	7/26/2016	1430	1	X				X				X								
B17	7/26/2016	1435	1	X				X				X								
B18	7/26/2016	1440	1	X				X				X								
Relinquished by: [Signature]				Date/Time: 7-26-16 16:45		Received by: [Signature]		Date/Time: 7-26-16 16:45		Turn Around Time (Check) Same Day 24 Hours 48 Hours								<input type="checkbox"/> Standard <input checked="" type="checkbox"/>		Notes:
Relinquished by: [Signature]				Date/Time: 7-26-16 18:00		Received by:		Date/Time:												
Relinquished by:				Date/Time:		Received in Lab by:		Date/Time:		Sample Integrity: Temperature Upon Receipt: 32.9 Intact: Yes No <input checked="" type="checkbox"/> <input type="checkbox"/>										

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: FTC Battery

Project Number: 702108.001.01
Project Manager: Colby Sterling

Reported:
08/05/16 15:33

Summit Scientific

1607183.2

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

[illegible]



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: FTC Battery
Project Number: 702108.001.01
Project Manager: Colby Sterling

Reported:
08/05/16 15:33

B7
1607183-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/26/16 13:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	380	50	mg/kg	1	1607301	07/29/16	07/29/16	8015M	

Date Sampled: **07/26/16 13:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		<i>135 %</i>	<i>30-150</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

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: FTC Battery
Project Number: 702108.001.01
Project Manager: Colby Sterling

Reported:
08/05/16 15:33

B8
1607183-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/26/16 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	420	50	mg/kg	1	1607301	07/29/16	07/29/16	8015M	

Date Sampled: **07/26/16 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		153 %	30-150		"	"	"	"	S-02

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: FTC Battery
Project Number: 702108.001.01
Project Manager: Colby Sterling

Reported:
08/05/16 15:33

B9
1607183-03 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/26/16 14:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	430	50	mg/kg	1	1607301	07/29/16	07/29/16	8015M	

Date Sampled: **07/26/16 14:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		91.2 %	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: FTC Battery
Project Number: 702108.001.01
Project Manager: Colby Sterling

Reported:
08/05/16 15:33

B10
1607183-04 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/26/16 14:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	630	50	mg/kg	1	1607301	07/29/16	07/29/16	8015M	

Date Sampled: **07/26/16 14:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		339 %	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: FTC Battery
Project Number: 702108.001.01
Project Manager: Colby Sterling

Reported:
08/05/16 15:33

B11
1607183-05 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/26/16 14:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	450	50	mg/kg	1	1607301	07/29/16	07/29/16	8015M	

Date Sampled: **07/26/16 14:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		127 %	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: FTC Battery
Project Number: 702108.001.01
Project Manager: Colby Sterling

Reported:
08/05/16 15:33

B12
1607183-06 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/26/16 14:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	270	50	mg/kg	1	1607301	07/29/16	07/29/16	8015M	

Date Sampled: **07/26/16 14:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		89.5 %	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: FTC Battery
Project Number: 702108.001.01
Project Manager: Colby Sterling

Reported:
08/05/16 15:33

B13
1607183-07 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/26/16 14:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	130	50	mg/kg	1	1607301	07/29/16	07/29/16	8015M	

Date Sampled: **07/26/16 14:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		100 %	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: FTC Battery
Project Number: 702108.001.01
Project Manager: Colby Sterling

Reported:
08/05/16 15:33

B16
1607183-08 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/26/16 14:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	740	50	mg/kg	1	1607301	07/29/16	07/29/16	8015M	

Date Sampled: **07/26/16 14:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		101 %	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: FTC Battery
Project Number: 702108.001.01
Project Manager: Colby Sterling

Reported:
08/05/16 15:33

B17
1607183-09 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/26/16 14:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	220	50	mg/kg	1	1607301	07/29/16	07/30/16	8015M	

Date Sampled: **07/26/16 14:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		96.9 %	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: FTC Battery
Project Number: 702108.001.01
Project Manager: Colby Sterling

Reported:
08/05/16 15:33

B18
1607183-10 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/26/16 14:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	1500	50	mg/kg	1	1607301	07/29/16	07/30/16	8015M	

Date Sampled: **07/26/16 14:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		98.6 %	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: FTC Battery
Project Number: 702108.001.01
Project Manager: Colby Sterling

Reported:
08/05/16 15:33

B20
1607183-11 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/26/16 14:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	750	50	mg/kg	1	1607301	07/29/16	07/30/16	8015M	

Date Sampled: **07/26/16 14:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		104 %	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: FTC Battery
Project Number: 702108.001.01
Project Manager: Colby Sterling

Reported:
08/05/16 15:33

B23
1607183-12 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/26/16 14:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	890	50	mg/kg	1	1607301	07/29/16	07/30/16	8015M	

Date Sampled: **07/26/16 14:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		111 %	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: FTC Battery
Project Number: 702108.001.01
Project Manager: Colby Sterling

Reported:
08/05/16 15:33

B24
1607183-13 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/26/16 14:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	860	50	mg/kg	1	1607301	07/29/16	07/30/16	8015M	

Date Sampled: **07/26/16 14:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		107 %	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: FTC Battery
Project Number: 702108.001.01
Project Manager: Colby Sterling

Reported:
08/05/16 15:33

B25
1607183-14 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/26/16 15:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	470	50	mg/kg	1	1607301	07/29/16	07/30/16	8015M	

Date Sampled: **07/26/16 15:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		100 %	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: FTC Battery
Project Number: 702108.001.01
Project Manager: Colby Sterling

Reported:
08/05/16 15:33

B26
1607183-15 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/26/16 15:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	1100	50	mg/kg	1	1607301	07/29/16	07/30/16	8015M	

Date Sampled: **07/26/16 15:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		81.0 %	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: FTC Battery
Project Number: 702108.001.01
Project Manager: Colby Sterling

Reported:
08/05/16 15:33

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 1607301 - EPA 3550A

Blank (1607301-BLK1)

Prepared & Analyzed: 07/29/16

C10-C28 (DRO)	ND	50	mg/kg							
Surrogate: o-Terphenyl	12.4		"	12.5		99.3	30-150			

LCS (1607301-BS1)

Prepared & Analyzed: 07/29/16

C10-C28 (DRO)	428	50	mg/kg	499		85.8	73-134			
Surrogate: o-Terphenyl	13.0		"	12.5		104	30-150			

Matrix Spike (1607301-MS1)

Source: 1607183-01

Prepared & Analyzed: 07/29/16

C10-C28 (DRO)	671	50	mg/kg	475	376	62.2	50-148			
Surrogate: o-Terphenyl	3.90		"	11.9		32.7	30-150			

Matrix Spike Dup (1607301-MSD1)

Source: 1607183-01

Prepared & Analyzed: 07/29/16

C10-C28 (DRO)	825	50	mg/kg	482	376	93.4	50-148	20.6	20	QM-07
Surrogate: o-Terphenyl	4.57		"	12.1		37.9	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: FTC Battery
Project Number: 702108.001.01
Project Manager: Colby Sterling

Reported:
08/05/16 15:33

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

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

September 22, 2016

Colby Sterling

Talon/LPE

1811 E Mulberry

Ft Collins, CO 80524

RE: Prospect Energy - FTC Battery

Enclosed are the results of analyses for samples received by Summit Scientific on 09/12/16 16:50. 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: Prospect Energy - FTC Battery

Project Number: 702108.001.01
Project Manager: Colby Sterling

Reported:
09/22/16 10:13

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B10	1609066-01	Soil	09/12/16 13:50	09/12/16 16:50
B16	1609066-02	Soil	09/12/16 13:55	09/12/16 16:50
B18	1609066-03	Soil	09/12/16 14:00	09/12/16 16:50
B20	1609066-04	Soil	09/12/16 14:05	09/12/16 16:50
B23	1609066-05	Soil	09/12/16 14:10	09/12/16 16:50
B24	1609066-06	Soil	09/12/16 14:15	09/12/16 16:50
B26	1609066-07	Soil	09/12/16 14:20	09/12/16 16:50

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: Prospect Energy - FTC Battery

Project Number: 702108.001.01
Project Manager: Colby Sterling

Reported:
09/22/16 10:13

Summit Scientific

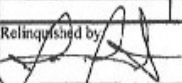

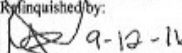

1609 066

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:	Jason Levertson / Colby Sterling

Project Manager:	Colby Sterling
E-Mail:	csterling@talonlpe.com
Project Name:	Prospect Energy - FTC Battery
Project Number:	702108.001.01

			Preservative				Matrix		Analyze For:						Special Instructions			
Sample Description	Date Sampled	Time Sampled	Number of Containers	HCl	HNO ₃	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)	DRO						
B10	9/12/2016	1350	1			x		x				x						
B16	9/12/2016	1355	1			x		x				x						
B18	9/12/2016	1400	1			x		x				x						
B20	9/12/2016	1405	1			x		x				x						
B23	9/12/2016	1410	1			x		x				x						
B24	9/12/2016	1415	1			x		x				x						
B26	9/12/2016	1420	1			x		x				x						
Relinquished by: 	Date/Time: 9-12-16 16:50	Received by: 	Date/Time: 9-12-16 16:50	Turn Around Time (Check)				Notes:										
				Same Day <input type="checkbox"/> 72 Hours <input type="checkbox"/>														
				24 Hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/>														
				48 Hours <input type="checkbox"/>														
Relinquished by: 	Date/Time: 9-12-16 17:45	Received by: 	Date/Time: 9-12-16 1745	Sample Integrity:														
				Temperature Upon Receipt: 17.2														
				In tact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>														

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Prospect Energy - FTC Battery
Project Number: 702108.001.01
Project Manager: Colby Sterling

Reported:
09/22/16 10:13

Sample Receipt Checklist

S2 Work Order: 1609066

Client: Talon

Client Project ID: Prospect Energy - FTC Battery

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

Airbill #: _____

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

Cooler ID					
Temp (°C)	<u>17.2</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 ⁽¹⁾ ?			X	
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 ⁽¹⁾ ?	X			
Was adequate sample volume provided ⁽¹⁾ ?	X			
If custody seals are present, are they intact ⁽¹⁾ ?			X	
Are short holding time analytes or samples with HTs due within 48 hours present?			X	
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	X			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	X			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	X			
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	X			
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.			X	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ?			X	
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 ⁽¹⁾ ?			X	
Record the pH in Comments.				
If dissolved metals are requested, were samples field filtered?			X	
Additional Comments (if any):				
⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.				

Murip
Custodian Printed Name

9-12-16
Signature or Initials of Custodian

17:45
Date/Time



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Prospect Energy - FTC Battery
Project Number: 702108.001.01
Project Manager: Colby Sterling

Reported:
09/22/16 10:13

B10
1609066-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **09/12/16 13:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	470	50	mg/kg	1	1609088	09/13/16	09/14/16	8015M	

Date Sampled: **09/12/16 13:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		<i>123 %</i>	<i>30-150</i>		"	"	"	"	

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Prospect Energy - FTC Battery
Project Number: 702108.001.01
Project Manager: Colby Sterling

Reported:
09/22/16 10:13

B16
1609066-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **09/12/16 13:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	220	50	mg/kg	1	1609088	09/13/16	09/14/16	8015M	

Date Sampled: **09/12/16 13:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		87.0 %	30-150		"	"	"	"	

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Prospect Energy - FTC Battery
Project Number: 702108.001.01
Project Manager: Colby Sterling

Reported:
09/22/16 10:13

B18
1609066-03 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **09/12/16 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	120	50	mg/kg	1	1609088	09/13/16	09/14/16	8015M	

Date Sampled: **09/12/16 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		114 %	30-150		"	"	"	"	

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Prospect Energy - FTC Battery
Project Number: 702108.001.01
Project Manager: Colby Sterling

Reported:
09/22/16 10:13

B20
1609066-04 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **09/12/16 14:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	310	50	mg/kg	1	1609088	09/13/16	09/14/16	8015M	

Date Sampled: **09/12/16 14:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		<i>115 %</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: Prospect Energy - FTC Battery
Project Number: 702108.001.01
Project Manager: Colby Sterling

Reported:
09/22/16 10:13

B23
1609066-05 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **09/12/16 14:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	640	50	mg/kg	1	1609088	09/13/16	09/14/16	8015M	

Date Sampled: **09/12/16 14:10**

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

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Prospect Energy - FTC Battery
Project Number: 702108.001.01
Project Manager: Colby Sterling

Reported:
09/22/16 10:13

B24
1609066-06 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **09/12/16 14:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	230	50	mg/kg	1	1609088	09/13/16	09/14/16	8015M	

Date Sampled: **09/12/16 14:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		<i>115 %</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: Prospect Energy - FTC Battery
Project Number: 702108.001.01
Project Manager: Colby Sterling

Reported:
09/22/16 10:13

B26
1609066-07 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **09/12/16 14:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	460	50	mg/kg	1	1609088	09/13/16	09/14/16	8015M	

Date Sampled: **09/12/16 14:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		109 %	30-150		"	"	"	"	

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Prospect Energy - FTC Battery
Project Number: 702108.001.01
Project Manager: Colby Sterling

Reported:
09/22/16 10:13

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 1609088 - EPA 3550A

Blank (1609088-BLK1)

Prepared & Analyzed: 09/13/16

C10-C28 (DRO) ND 50 mg/kg

Surrogate: o-Terphenyl 13.2 " 12.5 105 30-150

LCS (1609088-BS1)

Prepared & Analyzed: 09/13/16

C10-C28 (DRO) 487 50 mg/kg 499 97.6 73-134

Surrogate: o-Terphenyl 12.8 " 12.5 102 30-150

Matrix Spike (1609088-MS1)

Source: 1609059-01

Prepared & Analyzed: 09/13/16

C10-C28 (DRO) 566 50 mg/kg 491 21.6 111 50-148

Surrogate: o-Terphenyl 12.9 " 12.3 105 30-150

Matrix Spike Dup (1609088-MSD1)

Source: 1609059-01

Prepared & Analyzed: 09/13/16

C10-C28 (DRO) 513 50 mg/kg 498 21.6 98.7 50-148 9.74 20

Surrogate: o-Terphenyl 13.5 " 12.5 108 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: Prospect Energy - FTC Battery
Project Number: 702108.001.01
Project Manager: Colby Sterling

Reported:
09/22/16 10:13

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

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.

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

October 04, 2016

Colby Sterling

Talon/LPE

1811 E Mulberry

Ft Collins, CO 80524

RE: Prospect Energy - FTC Battery

Enclosed are the results of analyses for samples received by Summit Scientific on 09/29/16 16:00. 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: Prospect Energy - FTC Battery

Project Number: 702108.001.01
Project Manager: Colby Sterling

Reported:
10/04/16 15:16

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B23	1609201-01	Soil	09/29/16 14:45	09/29/16 16:00

Summit Scientific

160920

741 Corporate Circle Suite 1 • 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: Jason Leverton / Colby Sterline

Project Manager: Colby Sterling

E-Mail: csterling@talonlpe.com

Project Name: Prospect Energy - FTC Battery

Project Number: 702108.001.01

[illegible]

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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: Prospect Energy - FTC Battery
Project Number: 702108.001.01
Project Manager: Colby Sterling

Reported:
10/04/16 15:16

B23
1609201-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **09/29/16 14:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	120	50	mg/kg	1	1609256	09/30/16	10/01/16	8015M	

Date Sampled: **09/29/16 14:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		84.3 %	30-150		"	"	"	"	

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Prospect Energy - FTC Battery
Project Number: 702108.001.01
Project Manager: Colby Sterling

Reported:
10/04/16 15:16

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 1609256 - EPA 3550A

Blank (1609256-BLK1)

Prepared & Analyzed: 09/30/16

C10-C28 (DRO) ND 50 mg/kg

Surrogate: o-Terphenyl 12.0 " 12.5 95.9 30-150

LCS (1609256-BS1)

Prepared & Analyzed: 09/30/16

C10-C28 (DRO) 411 50 mg/kg 499 82.3 73-134

Surrogate: o-Terphenyl 14.8 " 12.5 118 30-150

Matrix Spike (1609256-MS1)

Source: 1609176-02

Prepared & Analyzed: 09/30/16

C10-C28 (DRO) 462 50 mg/kg 499 71.0 78.4 50-148

Surrogate: o-Terphenyl 16.1 " 12.5 129 30-150

Matrix Spike Dup (1609256-MSD1)

Source: 1609176-02

Prepared & Analyzed: 09/30/16

C10-C28 (DRO) 444 50 mg/kg 499 71.0 74.8 50-148 4.05 20

Surrogate: o-Terphenyl 13.8 " 12.5 110 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: Prospect Energy - FTC Battery

Project Number: 702108.001.01
Project Manager: Colby Sterling

Reported:
10/04/16 15:16

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