

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

March 19, 2019

Jason Leverton

Talon/LPE

1811 East Mulberry

Fort Collins, CO 80525

RE: Bears 5-30 Tank Battery

Enclosed are the results of analyses for samples received by Summit Scientific on 03/18/19 10:50. 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 For Ben Shrewsbury

Laboratory Manager



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Bears 5-30 Tank Battery

Project Number: 702297.006.01
Project Manager: Jason Leverton

Reported:
03/19/19 08:28

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-05@3'	1903133-01	Soil	03/18/19 08:10	03/18/19 10:50

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.

133

Page 1 of 1

Project Manager: Jennifer Galles
E-Mail: jleverton@TalonLPE.com
Project Name: Bears 5-30 Tank Battery
Project Number: 702297.006.01

www.s2scientific.com

Sample Receipt Checklist

S2 Work Order 1903133

Client: Talon/LPE Client Project ID: Bears 5-30 Tank Battery

Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other PU Airbill #: _____

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

Temp (°C)	18.2
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Thermometer ID: 61857155-K

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ? NOTE: If samples are delivered the same day of sampling, this requirement is met provided that there is evidence that cooling has begun.	X			
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 samples with holding times due within 48 hours sample due within 48 hours present?	X			24 TAT
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⁾ ? Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect			X	
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ? Record the pH in Comments.			X	
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.				

LP
Custodian Printed Name or Initials

Logan Parrish
Signature of Custodian

3-18-19/11:25
Date/Time



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SS-05@3'
1903133-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/18/19 08:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Gasoline Range Hydrocarbons	ND	0.50	mg/kg	1	1903169	03/18/19	03/19/19	EPA 8260B	

Date Sampled: **03/18/19 08:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		96.4 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		93.3 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.6 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/18/19 08:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1903168	03/18/19	03/19/19	EPA 8015M	

Date Sampled: **03/18/19 08:10**

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

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Reported:
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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

Batch 1903169 - EPA 5030 Soil MS

Blank (1903169-BLK1)

Prepared: 03/18/19 Analyzed: 03/19/19

Gasoline Range Hydrocarbons	ND	0.50	mg/kg						
Surrogate: 1,2-Dichloroethane-d4	0.0366		"	0.0400	91.6	23-173			
Surrogate: Toluene-d8	0.0376		"	0.0400	94.1	20-170			
Surrogate: 4-Bromofluorobenzene	0.0375		"	0.0400	93.7	21-167			

LCS (1903169-BS1)

Prepared & Analyzed: 03/18/19

Surrogate: 1,2-Dichloroethane-d4	0.0377		mg/kg	0.0400	94.2	23-173			
Surrogate: Toluene-d8	0.0372		"	0.0400	93.1	20-170			
Surrogate: 4-Bromofluorobenzene	0.0389		"	0.0400	97.3	21-167			

Matrix Spike (1903169-MS1)

Source: 1903120-04

Prepared & Analyzed: 03/18/19

Surrogate: 1,2-Dichloroethane-d4	0.0394		mg/kg	0.0400	98.6	23-173			
Surrogate: Toluene-d8	0.0370		"	0.0400	92.5	20-170			
Surrogate: 4-Bromofluorobenzene	0.0386		"	0.0400	96.6	21-167			

Matrix Spike Dup (1903169-MSD1)

Source: 1903120-04

Prepared & Analyzed: 03/18/19

Surrogate: 1,2-Dichloroethane-d4	0.0395		mg/kg	0.0400	98.8	23-173			
Surrogate: Toluene-d8	0.0370		"	0.0400	92.5	20-170			
Surrogate: 4-Bromofluorobenzene	0.0385		"	0.0400	96.3	21-167			

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Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch 1903168 - EPA 3550A

Blank (1903168-BLK1)

Prepared: 03/18/19 Analyzed: 03/19/19

C10-C28 (DRO) ND 50 mg/kg

LCS (1903168-BS1)

Prepared: 03/18/19 Analyzed: 03/19/19

C10-C28 (DRO) 455 50 mg/kg 500 91.1 70-130

Matrix Spike (1903168-MS1)

Source: 1903120-04

Prepared: 03/18/19 Analyzed: 03/19/19

C10-C28 (DRO) 454 50 mg/kg 500 10.6 88.6 70-130

Matrix Spike Dup (1903168-MSD1)

Source: 1903120-04

Prepared: 03/18/19 Analyzed: 03/19/19

C10-C28 (DRO) 468 50 mg/kg 500 10.6 91.5 70-130 3.15 20

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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