

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

May 16, 2019

Jeremy Pike

LT Environmental, Inc.

4600 West 60th Avenue

Arvada, CO 80003

RE: Critter Creek 9-15H

Work Order # 1905076

Enclosed are the results of analyses for samples received by Summit Scientific on 05/07/19 14:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink on a light blue background. The signature is cursive and reads "Muri Premer".

Muri Premer For Ben Shrewsbury

Laboratory Manager



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: Critter Creek 9-15H

Project Number: 027318130
Project Manager: Jeremy Pike

Reported:
05/16/19 11:09

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BG01@0"-6"	1905076-01	Soil	05/06/19 13:47	05/07/19 14:00
BG01@18"-24"	1905076-02	Soil	05/06/19 13:48	05/07/19 14:00
BG02@0"-6"	1905076-03	Soil	05/06/19 13:50	05/07/19 14:00
BG02@18"-24"	1905076-04	Soil	05/06/19 13:48	05/07/19 14:00
BG03@0"-6"	1905076-05	Soil	05/06/19 13:52	05/07/19 14:00
BG03@18"-24"	1905076-06	Soil	05/06/19 13:53	05/07/19 14:00

Summit Scientific

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Summit Scientific

S₂

1905076

4653 Table Mountain Drive ♦ Golden, Colorado 80403

303-277-9310 ♦ 303-374-5933 (f)

Page 1 of 1

Client: LT Environmental, Inc.

Project Manager: Jeremy Pike

Address: 4600 West 60th Avenue

E-Mail: jpik@ltenv.com

City/State/Zip: Arvada, Colorado 80003

Phone: 303-433-9788

Project Name: Critter Creek 9-15H

Sampler Name: Jeremy Pike / Alex Gyr / Ben Bausit

Project Number: 027318130

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix				Analysis Requested						Special Instructions
					HCl	HNO ₃	None	Other	Water	Soil	Air-Canister #	Other	EC	pH	SAR				
1	BG01@0"-6"	5/6/12	1347				x			x									
2	BG01@18"-24"		1348				x			x									
3	BG02@0"-6"		1350				x			x									
4	BG02@18"-24"		1348				x			x									
5	BG03@0"-6"		1352				x			x									
6	BG03@18"-24"		1353				x			x									
7																			
8																			
9																			
10																			

Relinquished by: [Signature] Date/Time: 5/7/12 1400

Relinquished by: _____ Date/Time: _____

Relinquished by: _____ Date/Time: _____

Received by: [Signature] Date/Time: 5-7-12 1400

Received by: _____ Date/Time: _____

Received by: _____ Date/Time: _____

Turn Around Time (Check)

Same Day _____ 72 hours _____

24 hours _____ Standard X

48 hours _____

Sample Integrity:

Temperature Upon Receipt: 4.5

Samples Intact: Yes No

HOLD ALL SAMPLES

Sample Receipt Checklist

S2 Work Order 1905076

Client: LT Environmental Client Project ID: Critter Creek 9-15H

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

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

Temp (°C)	<u>4.5</u>
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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⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NOTE: If samples are delivered the same day of sampling, this requirement is met provided that there is evidence that cooling has begun.				
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If custody seals are present, are they intact ⁽¹⁾ ?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples with holding times due within 48 hours sample due within 48 hours present?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ?	<input type="checkbox"/>	<input type="checkbox"/>	<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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Record the pH in Comments.				
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Additional Comments (if any):

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

Custodian Printed Name or Initials

Signature of Custodian

Date/Time

5-7-19 1850



LT Environmental, Inc.
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Arvada CO, 80003

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Project Manager: Jeremy Pike

Reported:
05/16/19 11:09

BG01@0''-6''
1905076-01 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **05/06/19 13:47**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	8.90			pH Units	1	1905196	05/15/19	05/15/19	EPA 9045D	

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BG01@18''-24''
1905076-02 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **05/06/19 13:48**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	8.77			pH Units	1	1905196	05/15/19	05/15/19	EPA 9045D	

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Project Number: 027318130
Project Manager: Jeremy Pike

Reported:
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BG02@0''-6''
1905076-03 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **05/06/19 13:50**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	8.79			pH Units	1	1905196	05/15/19	05/15/19	EPA 9045D	

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Project Number: 027318130
Project Manager: Jeremy Pike

Reported:
05/16/19 11:09

BG02@18''-24''
1905076-04 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **05/06/19 13:48**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	8.54			pH Units	1	1905196	05/15/19	05/15/19	EPA 9045D	

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Reported:
05/16/19 11:09

BG03@0''-6''
1905076-05 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **05/06/19 13:52**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	8.93			pH Units	1	1905196	05/15/19	05/15/19	EPA 9045D	

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Reported:
05/16/19 11:09

BG03@18''-24''
1905076-06 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **05/06/19 13:53**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	8.66			pH Units	1	1905196	05/15/19	05/15/19	EPA 9045D	

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Reported:
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Physical Parameters by APHA/ASTM/EPA Methods - Quality Control

Summit Scientific

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

Batch 1905196 - General Preparation

LCS (1905196-BS1)

Prepared & Analyzed: 05/15/19

pH	9.44	pH Units	9.23	102	95-105
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Duplicate (1905196-DUP1)

Source: 1905075-01

Prepared & Analyzed: 05/15/19

pH	9.04	pH Units	8.94	1.11	20
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Reported:
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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