

# Summit Scientific

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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 that reads "Muri Premer". The signature is written in a cursive style with a large initial "M" and a long, sweeping underline.

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

S<sub>2</sub>

1905076

4653 Table Mountain Drive ♦ Golden, Colorado 80403  
303-277-9310 ♦ 303-374-5933 (f)

Client: LT Environmental, Inc.  
Address: 4600 West 60th Avenue

Project Manager: Jeremy Pike  
E-Mail: jpike@ltenv.com

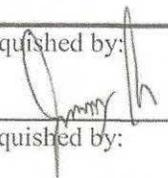
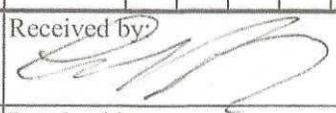
City/State/Zip: Arvada, Colorado 80003

Phone: 303-433-9788

Project Name: Critter Creek 9-15H

Sampler Name: Jeremy Pike / Alex Giv / Ben Baugit

Project Number: 027318130

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix			Analysis Requested				Special Instructions
					HCl	HNO <sub>3</sub>	None	Other	Water	Soil	Air-Canister #	Other	EC	pH	SAR	
1	BG01@0"-6"	5/6/19	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: 		Date/Time: 5/7/19 1400	Received by: 		Date/Time: 5-7-19 1400		Turn Around Time (Check)		HOLD ALL SAMPLES							
Relinquished by:		Date/Time:	Received by:		Date/Time:		Same Day <input type="checkbox"/> 72 hours <input type="checkbox"/>									
Relinquished by:		Date/Time:	Received by:		Date/Time:		24 hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/>									
Relinquished by:		Date/Time:	Received by:		Date/Time:		48 hours <input type="checkbox"/>		Sample Integrity:							
Relinquished by:		Date/Time:	Received by:		Date/Time:		Temperature Upon Receipt: 4.5		Samples Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No							

**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 <sup>(1)</sup> ? NOTE: If samples are delivered the same day of sampling, this requirement is met provided that there is evidence that cooling has begun.	<input checked="" type="checkbox"/>			
Were all samples received intact <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
If custody seals are present, are they intact <sup>(1)</sup> ?			<input checked="" type="checkbox"/>	
Are samples with holding times due within 48 hours sample due within 48 hours present?			<input checked="" type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client w/ date and time recorded <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace present? <b>If yes, contact client and note in narrative.</b>			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) <sup>(1)</sup> ? Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect			<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 <sup>(1)</sup> ? Record the pH in Comments.			<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?			<input checked="" type="checkbox"/>	

Additional Comments (if any):

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

CP  
Custodian Printed Name or Initials

[Signature]  
Signature of Custodian

5-7-19 1850  
Date/Time



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

**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 Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>pH</b>	<b>8.90</b>		pH Units	1	1905196	05/15/19	05/15/19	EPA 9045D	

Summit Scientific

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 Arvada CO, 80003

Project: Critter Creek 9-15H

Project Number: 027318130  
 Project Manager: Jeremy Pike

**Reported:**  
 05/16/19 11:09

**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		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<b>pH</b>	<b>8.77</b>		pH Units	1	1905196	05/15/19	05/15/19	EPA 9045D	

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Project: Critter Creek 9-15H

Project Number: 027318130  
 Project Manager: Jeremy Pike

**Reported:**  
 05/16/19 11:09

**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		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<b>pH</b>	<b>8.79</b>		pH Units	1	1905196	05/15/19	05/15/19	EPA 9045D	

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 Arvada CO, 80003

Project: Critter Creek 9-15H

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		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<b>pH</b>	<b>8.54</b>		pH Units	1	1905196	05/15/19	05/15/19	EPA 9045D	

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Project: Critter Creek 9-15H

Project Number: 027318130  
 Project Manager: Jeremy Pike

**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		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<b>pH</b>	<b>8.93</b>		pH Units	1	1905196	05/15/19	05/15/19	EPA 9045D	

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Project: Critter Creek 9-15H

Project Number: 027318130  
 Project Manager: Jeremy Pike

**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		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<b>pH</b>	<b>8.66</b>		pH Units	1	1905196	05/15/19	05/15/19	EPA 9045D	

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Project: Critter Creek 9-15H

Project Number: 027318130  
 Project Manager: Jeremy Pike

**Reported:**  
 05/16/19 11:09

**Physical Parameters by APHA/ASTM/EPA Methods - Quality Control**

**Summit Scientific**

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

**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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Project Number: 027318130  
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**Reported:**  
05/16/19 11:09

### 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