

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

November 27, 2019

Jeremy Pike

LT Environmental, Inc.

4600 West 60th Avenue

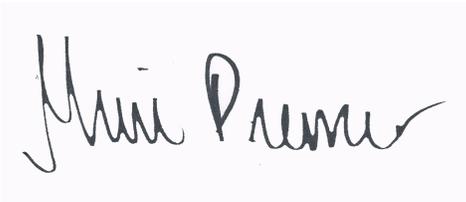
Arvada, CO 80003

RE: Critter Creek 5-10H

Work Order # 1911283

Enclosed are the results of analyses for samples received by Summit Scientific on 11/19/19 16:40. 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 Paul Shrewsbury

President



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

Project: Critter Creek 5-10H

Project Number: 027318136
Project Manager: Jeremy Pike

Reported:
11/27/19 17:14

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS07@0"-6"	1911283-01	Soil	11/18/19 09:35	11/19/19 16:40

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.

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S₂

1911283

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: jpike@ltenv.com

City/State/Zip: Arvada, Colorado 80003

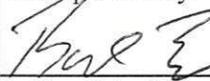
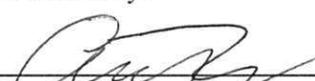
Phone: 303-433-9788

Project Name: Critter Creek 5-10H

Sampler Name: Rachael Terry

Project Number: 027318136

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix				Analysis Requested						Special Instructions			
					HCl	HNO3	None	Other	Water	Soil	Air-Camister #	Other	TPH-	GRO/DRO/ORO								
1	SS07@0"-6"	11-18-19	0935	1						X				X								
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						

Relinquished by: 	Date/Time: 11-19-19/1640	Received by: 	Date/Time: 11-19-19/1640	Turn Around Time (Check) Same Day ___ 72 hours ___ 24 hours ___ Standard <input checked="" type="checkbox"/> 48 hours ___ Sample Integrity: Temperature Upon Receipt: 10.6° Samples Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No
Relinquished by:	Date/Time:	Received by:	Date/Time:	
Relinquished by:	Date/Time:	Received by:	Date/Time:	

Sample Receipt Checklist

S2 Work Order 1911283

Client: LTE Client Project ID: Critter Creek S-10H

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

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

Temp (°C) 10.6°

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.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	on ice
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⁾ ? Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ? Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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.				

AT
Custodian Printed Name or Initials

[Signature]
Signature of Custodian

11-19-191646
Date/Time



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

Project: Critter Creek 5-10H

Project Number: 027318136
Project Manager: Jeremy Pike

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11/27/19 17:14

SS07@0''-6''
1911283-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/18/19 09:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Gasoline Range Hydrocarbons	ND	0.50	mg/kg	1	1911282	11/21/19	11/26/19	EPA 8260B	

Date Sampled: **11/18/19 09:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		96.2 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		102 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		107 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **11/18/19 09:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1911281	11/21/19	11/23/19	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **11/18/19 09:35**

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

Summit Scientific

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Arvada CO, 80003

Project: Critter Creek 5-10H

Project Number: 027318136
Project Manager: Jeremy Pike

Reported:
11/27/19 17:14

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch 1911282 - EPA 5030 Soil MS

Blank (1911282-BLK1)

Prepared: 11/21/19 Analyzed: 11/23/19

Gasoline Range Hydrocarbons	ND	0.50	mg/kg						
Surrogate: 1,2-Dichloroethane-d4	0.0393		"	0.0400	98.2	23-173			
Surrogate: Toluene-d8	0.0392		"	0.0400	97.9	20-170			
Surrogate: 4-Bromofluorobenzene	0.0399		"	0.0400	99.8	21-167			

LCS (1911282-BS1)

Prepared: 11/21/19 Analyzed: 11/23/19

Surrogate: 1,2-Dichloroethane-d4	0.0407		mg/kg	0.0400	102	23-173
Surrogate: Toluene-d8	0.0389		"	0.0400	97.3	20-170
Surrogate: 4-Bromofluorobenzene	0.0392		"	0.0400	98.1	21-167

Matrix Spike (1911282-MS1)

Source: 1911316-02

Prepared: 11/21/19 Analyzed: 11/23/19

Surrogate: 1,2-Dichloroethane-d4	0.0405		mg/kg	0.0400	101	23-173
Surrogate: Toluene-d8	0.0392		"	0.0400	98.0	20-170
Surrogate: 4-Bromofluorobenzene	0.0391		"	0.0400	97.7	21-167

Matrix Spike Dup (1911282-MSD1)

Source: 1911316-02

Prepared: 11/21/19 Analyzed: 11/23/19

Surrogate: 1,2-Dichloroethane-d4	0.0400		mg/kg	0.0400	100	23-173
Surrogate: Toluene-d8	0.0381		"	0.0400	95.3	20-170
Surrogate: 4-Bromofluorobenzene	0.0394		"	0.0400	98.6	21-167

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Project: Critter Creek 5-10H

Project Number: 027318136
Project Manager: Jeremy Pike

Reported:
11/27/19 17:14

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch 1911281 - EPA 3550A

Blank (1911281-BLK1)

Prepared: 11/21/19 Analyzed: 11/23/19

C10-C28 (DRO)	ND	50	mg/kg							
C28-C36 (ORO)	ND	50	"							

LCS (1911281-BS1)

Prepared: 11/21/19 Analyzed: 11/23/19

C10-C28 (DRO)	519	50	mg/kg	500	104	81.4-129				
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Matrix Spike (1911281-MS1)

Source: 1911281-01

Prepared: 11/21/19 Analyzed: 11/23/19

C10-C28 (DRO)	498	50	mg/kg	500	37.3	92.1	77.8-133			
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Matrix Spike Dup (1911281-MSD1)

Source: 1911281-01

Prepared: 11/21/19 Analyzed: 11/23/19

C10-C28 (DRO)	459	50	mg/kg	500	37.3	84.3	77.8-133	8.11	8.48	
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Reported:
11/27/19 17:14

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