

# Summit Scientific

---

4653 Table Mountain Drive, Golden, Colorado 80403

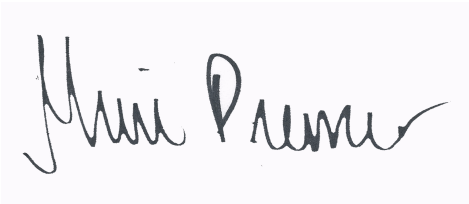
303.277.9310

December 10, 2018

Jeremy Pike  
LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada, CO 80003  
RE: Taos 1-10

Enclosed are the results of analyses for samples received by Summit Scientific on 12/04/18 13:09. 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: Taos 1-10

Project Number: 092418001  
Project Manager: Jeremy Pike

**Reported:**  
12/10/18 10:19

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EW01	1812029-01	Soil	12/04/18 09:40	12/04/18 13:09
SW01	1812029-02	Soil	12/04/18 09:43	12/04/18 13:09
NW01	1812029-03	Soil	12/04/18 09:47	12/04/18 13:09
WW01	1812029-04	Soil	12/04/18 09:57	12/04/18 13:09

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

812029

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

Page 1 of 1

Client: LT Environmental, Inc.  
Address: 4600 W. 60th Ave.  
City/State/Zip: Arvada, Colorado 80003  
Phone: 303-433-9788 Fax: \_\_\_\_\_  
Sampler Name: Jeremy Pike

Project Manager: Jeremy Pike  
E-Mail: jpik@ltenv.com  
Project Name: Taos I-10  
Project Number: 092418001

Sample Description	Date Sampled	Time Sampled	Number of Containers	Preservative				Matrix			Analyze For:						Special Instructions		
				HCl	HNO <sub>3</sub>	None	Other (Specify)	Groundwater	Soil	Alr - Canister Serial #	Other (Specify)	GBTEX	TPH-DRO						
EW01	12/4/18	9:40	2		X			X				X	X						
SW01	12/4/18	9:43	2		X			X				X	X						
NW01	12/4/18	9:47	2		X			X				X	X						
WW01	12/4/18	9:57	2		X			X				X	X						
Relinquished by: <i>Maria Vasquez</i>	Date/Time: 12/4/18 13:09	Received by: <i>[Signature]</i>	Date/Time: 12-4-18 13:09	Turn Around Time (Check)				Notes:											
Relinquished by:	Date/Time:	Received by:	Date/Time:	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:	Received in Lab by:	Date/Time:	Sample Integrity:				Temperature Upon Receipt: <i>0.1°C</i>											
				Intact: Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>												

**Sample Receipt Checklist**

S2 Work Order 1812029

Client: LTE Client Project ID: Taos 1-10

Shipped Via: (H.D./P.U./FedEx/UPS/USPS/Other) Airbill #: \_\_\_\_\_

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

Temp (°C) -0.1°C

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

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

Eric Hamilton  
Custodian Printed Name or Initials

[Signature]  
Signature of Custodian

12-4-18 13:09  
Date/Time



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

Project: Taos 1-10

Project Number: 092418001  
Project Manager: Jeremy Pike

**Reported:**  
12/10/18 10:19

**EW01**  
**1812029-01 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **12/04/18 09:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1812046	12/05/18	12/05/18	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **12/04/18 09:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		88.3 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		101 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **12/04/18 09:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1812047	12/05/18	12/06/18	EPA 8015M	

Date Sampled: **12/04/18 09:40**

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



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

Project: Taos 1-10

Project Number: 092418001  
Project Manager: Jeremy Pike

**Reported:**  
12/10/18 10:19

**SW01**  
**1812029-02 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **12/04/18 09:43**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	ND	0.0020	mg/kg	1	1812046	12/05/18	12/05/18	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **12/04/18 09:43**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4		88.3 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		102 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **12/04/18 09:43**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
C10-C28 (DRO)	ND	50	mg/kg	1	1812047	12/05/18	12/06/18	EPA 8015M	

Date Sampled: **12/04/18 09:43**

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



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

Project: Taos 1-10

Project Number: 092418001  
Project Manager: Jeremy Pike

**Reported:**  
12/10/18 10:19

**NW01**  
**1812029-03 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **12/04/18 09:47**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1812046	12/05/18	12/05/18	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **12/04/18 09:47**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		83.6 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		101 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		103 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **12/04/18 09:47**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1812047	12/05/18	12/06/18	EPA 8015M	

Date Sampled: **12/04/18 09:47**

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



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

Project: Taos 1-10

Project Number: 092418001  
Project Manager: Jeremy Pike

**Reported:**  
12/10/18 10:19

**WW01**  
**1812029-04 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **12/04/18 09:57**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	ND	0.0020	mg/kg	1	1812046	12/05/18	12/05/18	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **12/04/18 09:57**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4		86.8 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		102 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **12/04/18 09:57**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
C10-C28 (DRO)	ND	50	mg/kg	1	1812047	12/05/18	12/06/18	EPA 8015M	

Date Sampled: **12/04/18 09:57**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: o-Terphenyl		112 %	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.



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

Project: Taos 1-10

Project Number: 092418001  
Project Manager: Jeremy Pike

Reported:  
12/10/18 10:19

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

**Summit Scientific**

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

**Batch 1812046 - EPA 5030 Soil MS**

**Blank (1812046-BLK1)**

Prepared & Analyzed: 12/05/18

Benzene	ND	0.0020	mg/kg								
Toluene	ND	0.0050	"								
Ethylbenzene	ND	0.0050	"								
Xylenes (total)	ND	0.010	"								
Gasoline Range Hydrocarbons	ND	0.50	"								
Surrogate: 1,2-Dichloroethane-d4	0.0330		"	0.0396		83.3		23-173			
Surrogate: Toluene-d8	0.0394		"	0.0400		98.5		20-170			
Surrogate: 4-Bromofluorobenzene	0.0405		"	0.0400		101		21-167			

**LCS (1812046-BS1)**

Prepared & Analyzed: 12/05/18

Benzene	0.108	0.0020	mg/kg	0.100		108		70-130			
Toluene	0.107	0.0050	"	0.100		107		70-130			
Ethylbenzene	0.112	0.0050	"	0.100		112		70-130			
m,p-Xylene	0.220	0.010	"	0.200		110		70-130			
o-Xylene	0.105	0.0050	"	0.100		105		70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0346		"	0.0396		87.5		23-173			
Surrogate: Toluene-d8	0.0399		"	0.0400		99.8		20-170			
Surrogate: 4-Bromofluorobenzene	0.0393		"	0.0400		98.3		21-167			

**Matrix Spike (1812046-MS1)**

Source: 1812029-01

Prepared & Analyzed: 12/05/18

Benzene	0.102	0.0020	mg/kg	0.100	ND	102		70-130			
Toluene	0.101	0.0050	"	0.100	ND	101		70-130			
Ethylbenzene	0.101	0.0050	"	0.100	ND	101		70-130			
m,p-Xylene	0.203	0.010	"	0.200	ND	101		70-130			
o-Xylene	0.100	0.0050	"	0.100	ND	100		70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0355		"	0.0396		89.7		23-173			
Surrogate: Toluene-d8	0.0409		"	0.0400		102		20-170			
Surrogate: 4-Bromofluorobenzene	0.0399		"	0.0400		99.8		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.



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

Project: Taos 1-10

Project Number: 092418001  
Project Manager: Jeremy Pike

**Reported:**  
12/10/18 10:19

**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 1812046 - EPA 5030 Soil MS**

<b>Matrix Spike Dup (1812046-MSD1)</b>	<b>Source: 1812029-01</b>			<b>Prepared &amp; Analyzed: 12/05/18</b>						
Benzene	0.0977	0.0020	mg/kg	0.100	ND	97.7	70-130	4.74	30	
Toluene	0.0996	0.0050	"	0.100	ND	99.6	70-130	1.85	30	
Ethylbenzene	0.0993	0.0050	"	0.100	ND	99.3	70-130	2.12	30	
m,p-Xylene	0.198	0.010	"	0.200	ND	99.2	70-130	2.15	30	
o-Xylene	0.0966	0.0050	"	0.100	ND	96.6	70-130	3.75	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0347</i>		<i>"</i>	<i>0.0396</i>		<i>87.6</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0416</i>		<i>"</i>	<i>0.0400</i>		<i>104</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0402</i>		<i>"</i>	<i>0.0400</i>		<i>101</i>	<i>21-167</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.*



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

Project: Taos 1-10

Project Number: 092418001  
Project Manager: Jeremy Pike

**Reported:**  
12/10/18 10:19

**Extractable Petroleum Hydrocarbons by 8015 - Quality Control**  
**Summit Scientific**

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

**Batch 1812047 - EPA 3550A**

**Blank (1812047-BLK1)**

Prepared: 12/05/18 Analyzed: 12/06/18

C10-C28 (DRO) ND 50 mg/kg

**LCS (1812047-BS1)**

Prepared: 12/05/18 Analyzed: 12/06/18

C10-C28 (DRO) 604 50 mg/kg 500 121 70-130

**Matrix Spike (1812047-MS1)**

**Source: 1812029-01**

Prepared: 12/05/18 Analyzed: 12/06/18

C10-C28 (DRO) 636 50 mg/kg 500 25.7 122 70-130

**Matrix Spike Dup (1812047-MSD1)**

**Source: 1812029-01**

Prepared: 12/05/18 Analyzed: 12/06/18

C10-C28 (DRO) 626 50 mg/kg 500 25.7 120 70-130 1.53 20

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.*



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

Project: Taos 1-10

Project Number: 092418001  
Project Manager: Jeremy Pike

**Reported:**  
12/10/18 10:19

### 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