

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

October 05, 2018

Jeremy Pike

LT Environmental, Inc.

4600 West 60th Avenue

Arvada, CO 80003

RE: Reservoir Federal #1

Enclosed are the results of analyses for samples received by Summit Scientific on 09/28/18 16:25. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'Paul Shrewsbury', written in a cursive style.

Paul Shrewsbury For Ben Shrewsbury

Laboratory Manager



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

Project: Reservoir Federal #1

Project Number: 027317021
Project Manager: Jeremy Pike

Reported:
10/05/18 07:15

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01	1809430-01	Water	09/26/18 15:15	09/28/18 16:25
MW02	1809430-02	Water	09/26/18 16:30	09/28/18 16:25
MW03	1809430-03	Water	09/26/18 13:25	09/28/18 16:25
MW04	1809430-04	Water	09/26/18 14:40	09/28/18 16:25
MW05	1809430-05	Water	09/26/18 15:30	09/28/18 16:25
MW06	1809430-06	Water	09/26/18 12:15	09/28/18 16:25
MW07	1809430-07	Water	09/26/18 15:00	09/28/18 16:25
MW08	1809430-08	Water	09/26/18 13:40	09/28/18 16:25
MW09	1809430-09	Water	09/26/18 12:45	09/28/18 16:25
MW10	1809430-10	Water	09/26/18 14:15	09/28/18 16:25

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1809430

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

Client: LT Environmental, Inc. Project Manager: Jeremy Pike Page 1 of 1
 Address: 4600 W. 60th Ave. E-Mail: jpik@ltenv.com, rebel@ltenv.com
 City/State/Zip: Arvada, Colorado 80003 Project Name: Reservoir Federal #1
 Phone: 303-433-9788 Fax: 303-433-9788 Project Number: 027317021
 Sampler Name: KAYLA WHITE

Sample Description	Date Sampled	Time Sampled	Number of Containers	Preservative				Matrix			Analyze For:	Special Instructions	
				HCl	HNO ₃	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #			Other (Specify)
MW01	9-26-18	1515	3	X		X		X					
MW02		1430		X		X		X					
MW03		1325		X		X		X					
MW04		1440		X		X		X					
MW05		1530		X		X		X					
MW06		1215		X		X		X					
MW07		1500		X		X		X					
MW08		1340		X		X		X					
MW09		1245		X		X		X					
MW10		1415		X		X		X					

Relinquished by: Kevin White Date/Time: 9/27/18 1810 Received by: JP Date/Time: 9/27/18 10:25

Relinquished by: [Signature] Date/Time: 9/28/18 1625 Received by: [Signature] Date/Time: 9-28-18 10:25

Relinquished by: [Signature] Date/Time: 9/28/18 1625 Received in Lab by: [Signature] Date/Time: 9-28-18 10:25

Turn Around Time (Check)
 Same Day 72 Hours
 24 Hours Standard
 48 Hours

Sample Integrity:
 Temperature Upon Receipt: 4.1
 Intact: Yes No



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

Project: Reservoir Federal #1

Project Number: 027317021
Project Manager: Jeremy Pike

Reported:
10/05/18 07:15

MW01
1809430-01 (Water)

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Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/26/18 15:15**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	1810021	10/01/18	10/02/18	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	ND	2.0		"	"	"	"	"	"	

Date Sampled: **09/26/18 15:15**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		101 %		23-173		"	"	"	"	
Surrogate: Toluene-d8		96.3 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.9 %		21-167		"	"	"	"	

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LT Environmental, Inc.
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 Arvada CO, 80003

Project: Reservoir Federal #1

Project Number: 027317021
 Project Manager: Jeremy Pike

Reported:
 10/05/18 07:15

MW02
1809430-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/26/18 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1810021	10/01/18	10/02/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **09/26/18 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		100 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		96.1 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.5 %	21-167		"	"	"	"	

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 Arvada CO, 80003

Project: Reservoir Federal #1

Project Number: 027317021
 Project Manager: Jeremy Pike

Reported:
 10/05/18 07:15

MW03
1809430-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/26/18 13:25**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	1000	100		ug/l	100	1810021	10/01/18	10/02/18	EPA 8260B	
Toluene	ND	1.0		"	1	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	3000	200		"	100	"	"	"	"	

Date Sampled: **09/26/18 13:25**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		99.8 %		23-173		"	"	"	"	
Surrogate: Toluene-d8		96.9 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.3 %		21-167		"	"	"	"	

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Project: Reservoir Federal #1

Project Number: 027317021
 Project Manager: Jeremy Pike

Reported:
 10/05/18 07:15

MW04
1809430-04 (Water)

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Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/26/18 14:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1810021	10/01/18	10/02/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **09/26/18 14:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		106 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		98.9 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.4 %	21-167		"	"	"	"	

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 Arvada CO, 80003

Project: Reservoir Federal #1

Project Number: 027317021
 Project Manager: Jeremy Pike

Reported:
 10/05/18 07:15

MW05
1809430-05 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/26/18 15:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	1810021	10/01/18	10/02/18	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	ND	2.0		"	"	"	"	"	"	

Date Sampled: **09/26/18 15:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		101 %		23-173		"	"	"	"	
Surrogate: Toluene-d8		97.3 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.9 %		21-167		"	"	"	"	

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Project: Reservoir Federal #1

Project Number: 027317021
 Project Manager: Jeremy Pike

Reported:
 10/05/18 07:15

MW06
1809430-06 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/26/18 12:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1810021	10/01/18	10/02/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **09/26/18 12:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		105 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		95.5 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.3 %	21-167		"	"	"	"	

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 Arvada CO, 80003

Project: Reservoir Federal #1

Project Number: 027317021
 Project Manager: Jeremy Pike

Reported:
 10/05/18 07:15

MW07
1809430-07 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/26/18 15:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	1810021	10/01/18	10/02/18	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	ND	2.0		"	"	"	"	"	"	

Date Sampled: **09/26/18 15:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		104 %		23-173		"	"	"	"	
Surrogate: Toluene-d8		97.1 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		91.8 %		21-167		"	"	"	"	

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Project: Reservoir Federal #1

Project Number: 027317021
 Project Manager: Jeremy Pike

Reported:
 10/05/18 07:15

MW08
1809430-08 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/26/18 13:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1810021	10/01/18	10/02/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **09/26/18 13:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		103 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		96.8 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.3 %	21-167		"	"	"	"	

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 4600 West 60th Avenue
 Arvada CO, 80003

Project: Reservoir Federal #1

Project Number: 027317021
 Project Manager: Jeremy Pike

Reported:
 10/05/18 07:15

MW09
1809430-09 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/26/18 12:45**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	1810021	10/01/18	10/02/18	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	ND	2.0		"	"	"	"	"	"	

Date Sampled: **09/26/18 12:45**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		104 %		23-173		"	"	"	"	
Surrogate: Toluene-d8		95.8 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		89.7 %		21-167		"	"	"	"	

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Project: Reservoir Federal #1

Project Number: 027317021
 Project Manager: Jeremy Pike

Reported:
 10/05/18 07:15

MW10
1809430-10 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/26/18 14:15**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	1810021	10/01/18	10/02/18	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	ND	2.0		"	"	"	"	"	"	

Date Sampled: **09/26/18 14:15**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		104 %		23-173		"	"	"	"	
Surrogate: Toluene-d8		97.1 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		89.8 %		21-167		"	"	"	"	

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

Project: Reservoir Federal #1

Project Number: 027317021
Project Manager: Jeremy Pike

Reported:
10/05/18 07:15

Volatile Organic Compounds by EPA Method 8260B - Quality Control

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

Batch 1810021 - EPA 5030 Water MS

Blank (1810021-BLK1)

Prepared: 10/01/18 Analyzed: 10/02/18

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	2.0	"							
Surrogate: 1,2-Dichloroethane-d4	13.7		"	13.2		104	23-173			
Surrogate: Toluene-d8	13.2		"	13.3		99.3	20-170			
Surrogate: 4-Bromofluorobenzene	12.3		"	13.3		92.6	21-167			

LCS (1810021-BS1)

Prepared: 10/01/18 Analyzed: 10/02/18

Benzene	26.6	1.0	ug/l	33.3		79.8	70-130			
Toluene	29.3	1.0	"	33.3		87.9	70-130			
Ethylbenzene	29.1	1.0	"	33.3		87.2	70-130			
m,p-Xylene	60.0	2.0	"	66.7		89.9	70-130			
o-Xylene	29.6	1.0	"	33.3		88.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	13.1		"	13.2		99.3	23-173			
Surrogate: Toluene-d8	13.6		"	13.3		102	20-170			
Surrogate: 4-Bromofluorobenzene	12.7		"	13.3		95.1	21-167			

Matrix Spike (1810021-MS1)

Source: 1809430-01

Prepared: 10/01/18 Analyzed: 10/02/18

Benzene	29.9	1.0	ug/l	33.3	ND	89.6	70-130			
Toluene	32.6	1.0	"	33.3	ND	97.7	70-130			
Ethylbenzene	33.8	1.0	"	33.3	ND	102	70-130			
m,p-Xylene	69.9	2.0	"	66.7	ND	105	70-130			
o-Xylene	34.4	1.0	"	33.3	ND	103	70-130			
Surrogate: 1,2-Dichloroethane-d4	13.1		"	13.2		99.2	23-173			
Surrogate: Toluene-d8	13.3		"	13.3		99.8	20-170			
Surrogate: 4-Bromofluorobenzene	12.6		"	13.3		94.7	21-167			

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Project Number: 027317021
Project Manager: Jeremy Pike

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10/05/18 07:15

Volatile Organic Compounds by EPA Method 8260B - Quality Control
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Analyte	Result	Reporting		Spike Level	Source Result	%REC		RPD		Notes
		Limit	Units			%REC	Limits	RPD	Limit	

Batch 1810021 - EPA 5030 Water MS

Matrix Spike Dup (1810021-MSD1)

Source: 1809430-01

Prepared: 10/01/18 Analyzed: 10/02/18

Benzene	30.4	1.0	ug/l	33.3	ND	91.3	70-130	1.86	30	
Toluene	33.7	1.0	"	33.3	ND	101	70-130	3.41	30	
Ethylbenzene	35.7	1.0	"	33.3	ND	107	70-130	5.32	30	
m,p-Xylene	73.2	2.0	"	66.7	ND	110	70-130	4.58	30	
o-Xylene	36.5	1.0	"	33.3	ND	109	70-130	5.70	30	
Surrogate: 1,2-Dichloroethane-d4	13.4		"	13.2		101	23-173			
Surrogate: Toluene-d8	12.8		"	13.3		96.2	20-170			
Surrogate: 4-Bromofluorobenzene	12.6		"	13.3		94.2	21-167			

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Project: Reservoir Federal #1

Project Number: 027317021
Project Manager: Jeremy Pike

Reported:
10/05/18 07:15

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