

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

September 25, 2018

Jeremy Pike
LT Environmental, Inc.
4600 West 60th Avenue
Arvada, CO 80003
RE: Price Degenhart 1

Enclosed are the results of analyses for samples received by Summit Scientific on 09/19/18 15:15. 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: Price Degenhart 1

Project Number: 089518001
Project Manager: Jeremy Pike

Reported:
09/25/18 10:04

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
NW01@3'	1809243-01	Soil	09/19/18 11:15	09/19/18 15:15
EW01@3'	1809243-02	Soil	09/19/18 10:00	09/19/18 15:15
WW01@3'	1809243-03	Soil	09/19/18 10:35	09/19/18 15:15
SW01@3'	1809243-04	Soil	09/19/18 10:20	09/19/18 15:15
FS01@4'	1809243-05	Soil	09/19/18 10:40	09/19/18 15:15
COMP01	1809243-06	Soil	09/19/18 12:15	09/19/18 15:15

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1809243

Summit Scientific

S₂

4653 Table Mountain Drive ♦ Golden, Colorado 80403

303-277-9310

Client: LTE Project Manager: Jeremy Pike
 Address: 4600 W. 60th Avenue E-Mail: jpik@itemv.com
 City/State/Zip: Arvada, CO 80003
 Phone: (303) 433-9788 Project Name: Price-Degenhart #1
 Sampler Name: B. Finn Project Number: 089518001

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix				Analysis Requested						Special Instructions
					HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	TPH-010/020 method 8015	BTEX	TPH	ph	EC	SAR	
1	NW01@3'	09/19/2018	1115	2			X			X				X		X	X	X	
2	EW01@3'		1000	2										X					
3	WW01@3'		1000/035	2										X					
4	SW01@3'		1000/020	2										X					
5	FS01@4'		1000/020	2										X					
6	COMP01		1215	2											X	X	X	X	X
7																			
8																			
9																			
10																			

Relinquished by: <u>[Signature]</u>	Date/Time: <u>09/19/2018 15:15</u>	Received by: <u>[Signature]</u>	Date/Time: <u>9-19-18 15:15</u>	Turn Around Time (Check)	Notes: COMP 01 Standard TAT
Relinquished by:	Date/Time:	Received by:	Date/Time:	Same Day <input checked="" type="checkbox"/> 72 hours <input type="checkbox"/>	
Relinquished by:	Date/Time:	Received by:	Date/Time:	24 hours <input type="checkbox"/> Standard <input type="checkbox"/>	
Relinquished by:	Date/Time:	Received by:	Date/Time:	48 hours <input type="checkbox"/>	Sample Integrity: Temperature Upon Receipt: <u>12.3</u> Samples Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No

Sample Receipt Checklist

S2 Work Order: 1809243

Client: LTE Client Project ID: PRICE-DEGENHART #1

Shipped Via: H.D. ON ICE Airbill #: _____
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

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

Temp (°C)	<u>12.3</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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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.

Muri
Custodian Printed Name or Initials

HA 9-19-18
Signature or Initials of Custodian

15:20
Date/Time



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

Project: Price Degenhart 1

Project Number: 089518001
Project Manager: Jeremy Pike

Reported:
09/25/18 10:04

NW01@3'
1809243-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **09/19/18 11:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1809218	09/19/18	09/19/18	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **09/19/18 11:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		102 %	30-150		"	"	"	"	

Soluble Nutrients by EPA 6020/USDA60 6(2, 3A) - Dry Weight Basis

Date Sampled: **09/19/18 11:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	3330	12.7	mg/kg dry	1	1809197	09/19/18	09/19/18	EPA 6020B	
Magnesium	592	6.35	"	"	"	"	"	"	
Sodium	737	6.35	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **09/19/18 11:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	3.09	0.100	units	1	1809220	09/20/18	09/20/18	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/19/18 11:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	78.8		%	1	1809219	09/19/18	09/20/18	Calculation	
pH	8.95		pH Units	"	1809195	09/19/18	09/19/18	EPA 9045D	

Specific Conductance by EPA Method 120.1

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

Project: Price Degenhart 1

Project Number: 089518001
 Project Manager: Jeremy Pike

Reported:
 09/25/18 10:04

NW01@3'
1809243-01 (Soil)

Summit Scientific

Specific Conductance by EPA Method 120.1

Date Sampled: **09/19/18 11:15**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Specific Conductance (EC)	0.634	0.0100	mmhos/cm	1	1809196	09/19/18	09/19/18	EPA 120.1	

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Project: Price Degenhart 1

Project Number: 089518001
 Project Manager: Jeremy Pike

Reported:
 09/25/18 10:04

EW01@3'
1809243-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **09/19/18 10:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
C10-C28 (DRO)	ND	50	mg/kg	1	1809218	09/19/18	09/20/18	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **09/19/18 10:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: <i>o</i> -Terphenyl		99.7 %	30-150		"	"	"	"	

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Project: Price Degenhart 1

Project Number: 089518001
 Project Manager: Jeremy Pike

Reported:
 09/25/18 10:04

WW01@3'
1809243-03 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **09/19/18 10:35**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	440	50		mg/kg	1	1809218	09/19/18	09/20/18	EPA 8015M	
C28-C36 (ORO)	250	50		"	"	"	"	"	"	

Date Sampled: **09/19/18 10:35**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
<i>Surrogate: o-Terphenyl</i>		97.3 %		30-150		"	"	"	"	

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Project: Price Degenhart 1

Project Number: 089518001
 Project Manager: Jeremy Pike

Reported:
 09/25/18 10:04

SW01@3'
1809243-04 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **09/19/18 10:20**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
C10-C28 (DRO)	ND	50	mg/kg	1	1809218	09/19/18	09/20/18	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **09/19/18 10:20**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: <i>o</i> -Terphenyl		101 %	30-150		"	"	"	"	

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Project: Price Degenhart 1

Project Number: 089518001
 Project Manager: Jeremy Pike

Reported:
 09/25/18 10:04

FS01@4'
1809243-05 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **09/19/18 10:40**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
C10-C28 (DRO)	ND	50	mg/kg	1	1809218	09/19/18	09/20/18	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **09/19/18 10:40**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: <i>o</i> -Terphenyl		96.2 %	30-150		"	"	"	"	

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Project: Price Degenhart 1

Project Number: 089518001
Project Manager: Jeremy Pike

Reported:
09/25/18 10:04

COMP01
1809243-06 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/19/18 12:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1809217	09/19/18	09/19/18	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **09/19/18 12:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		98.3 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		91.2 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		86.2 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **09/19/18 12:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1809222	09/20/18	09/21/18	EPA 8015M	
C28-C36 (ORO)	51	50	"	"	"	"	"	"	

Date Sampled: **09/19/18 12:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		61.6 %	30-150		"	"	"	"	

Soluble Nutrients by EPA 6020/USDA60 6(2, 3A) - Dry Weight Basis

Date Sampled: **09/19/18 12:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	4380	10.9	mg/kg dry	1	1809197	09/19/18	09/19/18	EPA 6020B	
Magnesium	1170	5.45	"	"	"	"	"	"	

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Project: Price Degenhart 1

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Project Manager: Jeremy Pike

Reported:
09/25/18 10:04

COMP01
1809243-06 (Soil)

Summit Scientific

Soluble Nutrients by EPA 6020/USDA60 6(2, 3A) - Dry Weight Basis

Sodium	583	5.45	mg/kg dry	1	1809197	09/19/18	09/19/18	EPA 6020B
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Calculated Analysis

Date Sampled: **09/19/18 12:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	2.02	0.100	units	1	1809220	09/20/18	09/20/18	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **09/19/18 12:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	91.8		%	1	1809219	09/19/18	09/20/18	Calculation	
pH	8.32		pH Units	"	1809195	09/19/18	09/19/18	EPA 9045D	

Specific Conductance by EPA Method 120.1

Date Sampled: **09/19/18 12:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.81	0.0100	mmhos/cm	1	1809196	09/19/18	09/19/18	EPA 120.1	

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4600 West 60th Avenue
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Project: Price Degenhart 1

Project Number: 089518001
Project Manager: Jeremy Pike

Reported:
09/25/18 10:04

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 1809217 - EPA 5030 Soil MS

Blank (1809217-BLK1)

Prepared & Analyzed: 09/19/18

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	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0374</i>		<i>"</i>	<i>0.0396</i>		<i>94.3</i>		<i>23-173</i>		
<i>Surrogate: Toluene-d8</i>	<i>0.0362</i>		<i>"</i>	<i>0.0400</i>		<i>90.5</i>		<i>20-170</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0347</i>		<i>"</i>	<i>0.0400</i>		<i>86.8</i>		<i>21-167</i>		

LCS (1809217-BS1)

Prepared & Analyzed: 09/19/18

Benzene	0.0871	0.0020	mg/kg	0.100		87.1		70-130		
Toluene	0.0890	0.0050	"	0.100		89.0		70-130		
Ethylbenzene	0.110	0.0050	"	0.100		110		70-130		
m,p-Xylene	0.214	0.010	"	0.200		107		70-130		
o-Xylene	0.0942	0.0050	"	0.100		94.2		70-130		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0388</i>		<i>"</i>	<i>0.0396</i>		<i>98.0</i>		<i>23-173</i>		
<i>Surrogate: Toluene-d8</i>	<i>0.0378</i>		<i>"</i>	<i>0.0400</i>		<i>94.6</i>		<i>20-170</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0363</i>		<i>"</i>	<i>0.0400</i>		<i>90.7</i>		<i>21-167</i>		

Matrix Spike (1809217-MS1)

Source: 1809243-06

Prepared & Analyzed: 09/19/18

Benzene	0.0878	0.0020	mg/kg	0.100	ND	87.8		70-130		
Toluene	0.0906	0.0050	"	0.100	ND	90.6		70-130		
Ethylbenzene	0.109	0.0050	"	0.100	ND	109		70-130		
m,p-Xylene	0.215	0.010	"	0.200	ND	107		70-130		
o-Xylene	0.0948	0.0050	"	0.100	ND	94.8		70-130		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0408</i>		<i>"</i>	<i>0.0396</i>		<i>103</i>		<i>23-173</i>		
<i>Surrogate: Toluene-d8</i>	<i>0.0382</i>		<i>"</i>	<i>0.0400</i>		<i>95.6</i>		<i>20-170</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0366</i>		<i>"</i>	<i>0.0400</i>		<i>91.4</i>		<i>21-167</i>		

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4600 West 60th Avenue
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Project: Price Degenhart 1

Project Number: 089518001
Project Manager: Jeremy Pike

Reported:
09/25/18 10:04

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 1809217 - EPA 5030 Soil MS

Matrix Spike Dup (1809217-MSD1)	Source: 1809243-06			Prepared & Analyzed: 09/19/18							
Benzene	0.0863	0.0020	mg/kg	0.100	ND	86.3	70-130	1.62	30		
Toluene	0.0880	0.0050	"	0.100	ND	88.0	70-130	2.92	30		
Ethylbenzene	0.107	0.0050	"	0.100	ND	107	70-130	1.80	30		
m,p-Xylene	0.208	0.010	"	0.200	ND	104	70-130	3.10	30		
o-Xylene	0.0926	0.0050	"	0.100	ND	92.6	70-130	2.40	30		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0399</i>		<i>"</i>	<i>0.0396</i>		<i>101</i>	<i>23-173</i>				
<i>Surrogate: Toluene-d8</i>	<i>0.0379</i>		<i>"</i>	<i>0.0400</i>		<i>94.6</i>	<i>20-170</i>				
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0362</i>		<i>"</i>	<i>0.0400</i>		<i>90.4</i>	<i>21-167</i>				

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Project: Price Degenhart 1

Project Number: 089518001
Project Manager: Jeremy Pike

Reported:
09/25/18 10:04

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 1809218 - EPA 3550A

Blank (1809218-BLK1)

Prepared & Analyzed: 09/19/18

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

LCS (1809218-BS1)

Prepared & Analyzed: 09/19/18

C10-C28 (DRO)	577	50	mg/kg	500	115	81.4-129				
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Matrix Spike (1809218-MS1)

Source: 1809243-01

Prepared & Analyzed: 09/19/18

C10-C28 (DRO)	571	50	mg/kg	500	35.3	107	77.8-133			
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Matrix Spike Dup (1809218-MSD1)

Source: 1809243-01

Prepared & Analyzed: 09/19/18

C10-C28 (DRO)	571	50	mg/kg	500	35.3	107	77.8-133	0.0418	8.48	
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Batch 1809222 - EPA 3550A

Blank (1809222-BLK1)

Prepared: 09/20/18 Analyzed: 09/21/18

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

LCS (1809222-BS1)

Prepared: 09/20/18 Analyzed: 09/21/18

C10-C28 (DRO)	595	50	mg/kg	500	119	81.4-129				
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Matrix Spike (1809222-MS1)

Source: 1809243-06

Prepared: 09/20/18 Analyzed: 09/21/18

C10-C28 (DRO)	435	50	mg/kg	500	40.1	79.0	77.8-133			
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Matrix Spike Dup (1809222-MSD1)

Source: 1809243-06

Prepared: 09/20/18 Analyzed: 09/21/18

C10-C28 (DRO)	496	50	mg/kg	500	40.1	91.1	77.8-133	13.0	8.48	
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Summit Scientific

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

Project: Price Degenhart 1

Project Number: 089518001
Project Manager: Jeremy Pike

Reported:
09/25/18 10:04

Soluble Nutrients by EPA 6020/USDA60 6(2, 3A) - Dry Weight Basis - Quality Control

Summit Scientific

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

Batch 1809197 - General Preparation

Blank (1809197-BLK1)

Prepared & Analyzed: 09/19/18

Calcium	ND	10.0	mg/kg wet							
Magnesium	ND	5.00	"							
Sodium	ND	5.00	"							

LCS (1809197-BS1)

Prepared & Analyzed: 09/19/18

Calcium	505	10.0	mg/kg wet	500	101	70-130				
Magnesium	544	5.00	"	500	109	70-130				
Sodium	513	5.00	"	500	103	70-130				

Duplicate (1809197-DUP1)

Source: 1809128-02

Prepared & Analyzed: 09/19/18

Calcium	242	10.6	mg/kg dry		237			1.89	20	
Magnesium	259	5.32	"		261			0.677	20	
Sodium	316	5.32	"		328			3.69	20	

Matrix Spike (1809197-MS1)

Source: 1809128-02

Prepared & Analyzed: 09/19/18

Calcium	677	10.6	mg/kg dry	532	237	82.7	70-130			
Magnesium	732	5.32	"	532	261	88.5	70-130			
Sodium	820	5.32	"	532	328	92.4	70-130			

Matrix Spike Dup (1809197-MSD1)

Source: 1809128-02

Prepared & Analyzed: 09/19/18

Calcium	666	10.6	mg/kg dry	532	237	80.5	70-130	1.73	25	
Magnesium	766	5.32	"	532	261	94.9	70-130	4.57	25	
Sodium	843	5.32	"	532	328	96.8	70-130	2.83	25	

Summit Scientific

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

Project: Price Degenhart 1

Project Number: 089518001
Project Manager: Jeremy Pike

Reported:
09/25/18 10:04

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control
Summit Scientific

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

Batch 1809195 - General Preparation

LCS (1809195-BS1)

Prepared & Analyzed: 09/19/18

pH	9.2		pH Units	9.18		99.7	95-105			
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Duplicate (1809195-DUP1)

Source: 1809154-01

Prepared & Analyzed: 09/19/18

pH	8.3		pH Units		8.2			1.21	20	
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Batch 1809219 - General Preparation

Duplicate (1809219-DUP1)

Source: 1809243-01

Prepared: 09/19/18 Analyzed: 09/20/18

% Solids	77.1		%		78.8			2.18	20	
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Summit Scientific

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

Project: Price Degenhart 1

Project Number: 089518001
 Project Manager: Jeremy Pike

Reported:
 09/25/18 10:04

Specific Conductance by EPA Method 120.1 - Quality Control
Summit Scientific

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

Batch 1809196 - General Preparation

Blank (1809196-BLK1)

Prepared & Analyzed: 09/19/18

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (1809196-BS1)

Prepared & Analyzed: 09/19/18

Specific Conductance (EC) 0.767 0.0100 mmhos/cm 0.750 102 90-110

Duplicate (1809196-DUP1)

Source: 1809154-01

Prepared & Analyzed: 09/19/18

Specific Conductance (EC) 0.465 0.0100 mmhos/cm 0.508 8.71 20

Summit Scientific

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

Project: Price Degenhart 1

Project Number: 089518001
Project Manager: Jeremy Pike

Reported:
09/25/18 10:04

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