

# Summit Scientific

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741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

March 04, 2014

Jake Janicek  
LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada, CO 80003  
RE: NEP - 1K

Enclosed are the results of analyses for samples received by Summit Scientific on 03/01/14 09:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to be 'BS', with a long, sweeping horizontal line extending to the right.

Ben Shrewsbury  
President / Laboratory Manager



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

Project: NEP - 1K

Project Number: 0083-13115  
Project Manager: Jake Janicek

**Reported:**  
03/04/14 01:13

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SWW@16'bgs	1402185-01	Soil	02/28/14 09:00	03/01/14 09:15
SB@18'bgs	1402185-02	Soil	02/28/14 11:35	03/01/14 09:15
SW@15'bgs	1402185-03	Soil	02/28/14 13:15	03/01/14 09:15

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

Project: NEP - 1K

Project Number: 0083-13115  
Project Manager: Jake Janicek

Reported:  
03/04/14 01:13

1402185

**Summit Scientific**  
S<sub>2</sub>

741 Corporate Circle Suite 1 • Golden, Colorado 80401  
303-277-9510 • 303-374-5933 Fax

Page 1 of 1

Client: LT Environmental  
Address: 820 Megan Ave, Unit B  
City/State/Zip: Rifle, CO 81650  
Phone: 970-285-9995  
Sampler Name: Dustin Held

Project Manager: Jake Janicek  
E-Mail: jjanicek@ltem.com, rjribb@ltem.com  
Project Name: 1K  
Project Number: 008313115

Sample Description	Date Sampled	Time Sampled	Sample Depth	Number of Containers	Preservative			Matrix			Analyze For:					Special Instructions	
					HCl	HNO <sub>3</sub>	Zone (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)	TPH	GRO/DRO	BTEX	Arsenic		EC
S10.0 10' WS	2/28/14	0900	10'	3									X	X	X	X	
S10.0 10' WS	2/28/14	1105	10'	3									X	X	X	X	
S10.0 10' WS	2/28/14	1317	10'	3									X	X	X	X	

Requisitioned by: [Signature] Date/Time: 2/28/14 1520  
Received by: [Signature] Date/Time: 2/28/14 1520

Requisitioned by: [Signature] Date/Time: [Blank]  
Received by: [Signature] Date/Time: [Blank]

Requisitioned by: [Signature] Date/Time: [Blank]  
Received by: [Signature] Date/Time: [Blank]

Notes:  
Please direct bill Asher Wenberg at Noble Energy.

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

Sample Integrity:  
Temperature Upon Receipt: 44  
Intact: Yes/No

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Project: NEP - 1K  
Project Number: 0083-13115  
Project Manager: Jake Janicek

Reported:  
03/04/14 01:13

**SWW@16'bgs**  
**1402185-01 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **02/28/14 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>C10-C28 (DRO)</b>	<b>230</b>	50	mg/kg	1	1403018	03/03/14	03/03/14	8015M	

Date Sampled: **02/28/14 09:00**

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

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

Date Sampled: **02/28/14 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1403017	03/03/14	03/03/14	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>0.044</b>	0.0050	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>18</b>	0.50	"	"	"	"	"	"	

Date Sampled: **02/28/14 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		97.7 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		102 %	21-167		"	"	"	"	

**Total Metals by EPA Method 6020 - Dry Weight Basis**

Date Sampled: **02/28/14 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Arsenic</b>	<b>10.1</b>	0.0944	mg/kg dry	1	1403011	03/03/14	03/04/14	EPA 6020A	

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Project: NEP - 1K

Project Number: 0083-13115  
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**Reported:**  
03/04/14 01:13

**SWW@16'bgs**  
**1402185-01 (Soil)**

**Summit Scientific**

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

Date Sampled: **02/28/14 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Calcium</b>	<b>505</b>	11.8	mg/kg dry	1	1403012	03/03/14	03/03/14	EPA 6020/Mod. USDA60 6(2, 3A)	
<b>Magnesium</b>	<b>135</b>	5.89	"	"	"	"	"	"	
<b>Sodium</b>	<b>1840</b>	177	"	"	"	"	"	"	

Date Sampled: **02/28/14 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Sodium Adsorption Ratio</b>	<b>18.8</b>		units	"	1403013	03/03/14	03/03/14	"	

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **02/28/14 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Specific Conductance (EC)</b>	<b>2.62</b>	0.0100	mmhos/cm	1	1403004	03/01/14	03/03/14	SM 2510B	

Date Sampled: **02/28/14 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>pH</b>	<b>9.32</b>	0.100	pH Units	"	1403005	03/01/14	03/03/14	EPA 9045	

Date Sampled: **02/28/14 09:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>% Solids</b>	<b>84.9</b>		%	"	1403008	03/03/14	03/03/14	% calculation	

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Project: NEP - 1K  
Project Number: 0083-13115  
Project Manager: Jake Janicek

Reported:  
03/04/14 01:13

**SB@18'bgs**  
**1402185-02 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **02/28/14 11:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>C10-C28 (DRO)</b>	<b>99</b>	50	mg/kg	1	1403018	03/03/14	03/03/14	8015M	

Date Sampled: **02/28/14 11:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		98.2 %	30-150		"	"	"	"	

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

Date Sampled: **02/28/14 11:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1403017	03/03/14	03/03/14	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>0.024</b>	0.0050	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>3.2</b>	0.50	"	"	"	"	"	"	

Date Sampled: **02/28/14 11:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.2 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		100 %	21-167		"	"	"	"	

**Total Metals by EPA Method 6020 - Dry Weight Basis**

Date Sampled: **02/28/14 11:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Arsenic</b>	<b>3.79</b>	0.0835	mg/kg dry	1	1403011	03/03/14	03/04/14	EPA 6020A	

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Project: NEP - 1K  
Project Number: 0083-13115  
Project Manager: Jake Janicek

**Reported:**  
03/04/14 01:13

**SB@18'bgs**  
**1402185-02 (Soil)**

**Summit Scientific**

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

Date Sampled: **02/28/14 11:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Calcium</b>	<b>588</b>	10.9	mg/kg dry	1	1403012	03/03/14	03/03/14	EPA 6020/Mod. USDA60 6(2, 3A)	
<b>Magnesium</b>	<b>125</b>	5.43	"	"	"	"	"	"	
<b>Sodium</b>	<b>1720</b>	163	"	"	"	"	"	"	

Date Sampled: **02/28/14 11:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Sodium Adsorption Ratio</b>	<b>16.8</b>		units	"	1403013	03/03/14	03/03/14	"	

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **02/28/14 11:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Specific Conductance (EC)</b>	<b>2.66</b>	0.0100	mmhos/cm	1	1403004	03/01/14	03/03/14	SM 2510B	

Date Sampled: **02/28/14 11:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>pH</b>	<b>9.58</b>	0.100	pH Units	"	1403005	03/01/14	03/03/14	EPA 9045	

Date Sampled: **02/28/14 11:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>% Solids</b>	<b>92.1</b>		%	"	1403008	03/03/14	03/03/14	% calculation	

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Project: NEP - 1K  
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Project Manager: Jake Janicek

Reported:  
03/04/14 01:13

**SW@15'bgs**  
**1402185-03 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **02/28/14 13:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1403018	03/03/14	03/03/14	8015M	

Date Sampled: **02/28/14 13:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		108 %	30-150		"	"	"	"	

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

Date Sampled: **02/28/14 13:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1403017	03/03/14	03/03/14	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **02/28/14 13:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane- <i>d</i> 4		100 %	23-173		"	"	"	"	
Surrogate: Toluene- <i>d</i> 8		96.6 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.9 %	21-167		"	"	"	"	

**Total Metals by EPA Method 6020 - Dry Weight Basis**

Date Sampled: **02/28/14 13:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	<b>5.57</b>	0.0974	mg/kg dry	1	1403011	03/03/14	03/04/14	EPA 6020A	

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**Reported:**  
03/04/14 01:13

**SW@15'bgs**  
**1402185-03 (Soil)**

**Summit Scientific**

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

Date Sampled: **02/28/14 13:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Calcium</b>	<b>1030</b>	11.5	mg/kg dry	1	1403012	03/03/14	03/03/14	EPA 6020/Mod. USDA60 6(2, 3A)	
<b>Magnesium</b>	<b>439</b>	5.75	"	"	"	"	"	"	
<b>Sodium</b>	<b>2690</b>	173	"	"	"	"	"	"	

Date Sampled: **02/28/14 13:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Sodium Adsorption Ratio</b>	<b>17.7</b>		units	"	1403013	03/03/14	03/03/14	"	

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **02/28/14 13:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Specific Conductance (EC)</b>	<b>5.40</b>	0.0100	mmhos/cm	1	1403004	03/01/14	03/03/14	SM 2510B	

Date Sampled: **02/28/14 13:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>pH</b>	<b>9.33</b>	0.100	pH Units	"	1403005	03/01/14	03/03/14	EPA 9045	

Date Sampled: **02/28/14 13:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>% Solids</b>	<b>86.9</b>		%	"	1403008	03/03/14	03/03/14	% calculation	

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Project: NEP - 1K  
Project Number: 0083-13115  
Project Manager: Jake Janicek

**Reported:**  
03/04/14 01:13

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

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

**Batch 1403018 - EPA 3550A**

<b>Blank (1403018-BLK1)</b>				Prepared & Analyzed: 03/03/14						
C10-C28 (DRO)	ND	50	mg/kg							
<b>LCS (1403018-BS1)</b>				Prepared & Analyzed: 03/03/14						
C10-C28 (DRO)	551	50	mg/kg	473	117	73-134				
<b>Matrix Spike (1403018-MS1)</b>				Source: 1402174-01 Prepared & Analyzed: 03/03/14						
C10-C28 (DRO)	589	50	mg/kg	491	62.2	107	50-148			
<b>Matrix Spike Dup (1403018-MSD1)</b>				Source: 1402174-01 Prepared & Analyzed: 03/03/14						
C10-C28 (DRO)	578	50	mg/kg	491	62.2	105	50-148	1.91	13	

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Reported:  
03/04/14 01:13

**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 1403017 - EPA 5030 Soil MS**

**Blank (1403017-BLK1)**

Prepared & Analyzed: 03/03/14

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0383		"	0.0388		98.7	23-173			
Surrogate: Toluene-d8	0.0366		"	0.0391		93.7	20-170			
Surrogate: 4-Bromofluorobenzene	0.0404		"	0.0391		103	21-167			

**LCS (1403017-BS1)**

Prepared & Analyzed: 03/03/14

Benzene	0.116	0.0020	mg/kg	0.0939		124	58-130			
Toluene	0.113	0.0050	"	0.0942		120	61-134			
Ethylbenzene	0.119	0.0050	"	0.0934		127	74-139			
m,p-Xylene	0.233	0.010	"	0.188		124	73-137			
o-Xylene	0.123	0.0050	"	0.0930		132	73-141			
Surrogate: 1,2-Dichloroethane-d4	0.0463		"	0.0374		124	23-173			
Surrogate: Toluene-d8	0.0408		"	0.0377		108	20-170			
Surrogate: 4-Bromofluorobenzene	0.0383		"	0.0377		102	21-167			

**Matrix Spike (1403017-MS1)**

Source: 1402174-01

Prepared & Analyzed: 03/03/14

Benzene	0.0860	0.0020	mg/kg	0.0959	ND	89.7	30-131			
Toluene	0.0975	0.0050	"	0.0962	ND	101	30-134			
Ethylbenzene	0.121	0.0050	"	0.0954	0.00338	124	22-153			
m,p-Xylene	0.280	0.010	"	0.192	0.0496	120	10-159			
o-Xylene	0.136	0.0050	"	0.0950	0.0120	130	31-151			
Surrogate: 1,2-Dichloroethane-d4	0.0387		"	0.0382		101	23-173			
Surrogate: Toluene-d8	0.0363		"	0.0385		94.5	20-170			
Surrogate: 4-Bromofluorobenzene	0.0393		"	0.0385		102	21-167			

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Project Number: 0083-13115  
Project Manager: Jake Janicek

**Reported:**  
03/04/14 01:13

**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 1403017 - EPA 5030 Soil MS**

<b>Matrix Spike Dup (1403017-MSD1)</b>	<b>Source: 1402174-01</b>			<b>Prepared &amp; Analyzed: 03/03/14</b>						
Benzene	0.0996	0.0020	mg/kg	0.0977	ND	102	30-131	14.7	34	
Toluene	0.127	0.0050	"	0.0980	ND	130	30-134	26.6	30	
Ethylbenzene	0.129	0.0050	"	0.0973	0.00338	129	22-153	5.90	24	
m,p-Xylene	0.292	0.010	"	0.196	0.0496	124	10-159	3.98	68	
o-Xylene	0.142	0.0050	"	0.0969	0.0120	134	31-151	4.23	38	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0449</i>		<i>"</i>	<i>0.0389</i>		<i>115</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0437</i>		<i>"</i>	<i>0.0392</i>		<i>112</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0400</i>		<i>"</i>	<i>0.0392</i>		<i>102</i>	<i>21-167</i>			

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Project Number: 0083-13115  
Project Manager: Jake Janicek

**Reported:**  
03/04/14 01:13

**Total Metals by EPA Method 6020 - Dry Weight Basis - Quality Control**  
**Summit Scientific**

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

**Batch 1403011 - EPA 3050B**

**Blank (1403011-BLK1)**

Prepared & Analyzed: 03/03/14

Arsenic ND 0.0796 mg/kg wet

**LCS (1403011-BS1)**

Prepared & Analyzed: 03/03/14

Arsenic 2.04 0.0797 mg/kg wet 1.91 107 80-120

**LCS Dup (1403011-BSD1)**

Prepared & Analyzed: 03/03/14

Arsenic 2.01 0.0765 mg/kg wet 1.83 110 80-120 1.25 20

**Matrix Spike (1403011-MS1)**

**Source: 1402174-01**

Prepared & Analyzed: 03/03/14

Arsenic 6.10 0.0963 mg/kg dry 2.31 4.82 55.2 75-125 QM-07

**Matrix Spike Dup (1403011-MSD1)**

**Source: 1402174-01**

Prepared & Analyzed: 03/03/14

Arsenic 6.41 0.0765 mg/kg dry 1.83 4.82 86.4 75-125 4.95 25

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: NEP - 1K  
Project Number: 0083-13115  
Project Manager: Jake Janicek

**Reported:**  
03/04/14 01:13

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

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

**Batch 1403012 - General Preparation**

**Blank (1403012-BLK1)**

Prepared & Analyzed: 03/03/14

Calcium	ND	10.0	mg/kg wet						
Magnesium	ND	5.00	"						
Sodium	ND	150	"						

**LCS (1403012-BS1)**

Prepared & Analyzed: 03/03/14

Calcium	364	10.0	mg/kg wet	349	104	80-120		
Magnesium	186	5.00	"	175	106	80-120		
Sodium	522	150	"	436	120	80-120		

**LCS Dup (1403012-BSD1)**

Prepared & Analyzed: 03/03/14

Calcium	386	10.0	mg/kg wet	374	103	80-120	5.81	20
Magnesium	199	5.00	"	188	106	80-120	7.14	20
Sodium	535	150	"	468	114	80-120	2.43	20

**Matrix Spike (1403012-MS1)**

**Source: 1402174-01**

Prepared & Analyzed: 03/03/14

Calcium	754	11.6	mg/kg dry	428	343	96.3	75-125	
Magnesium	271	5.79	"	214	68.2	94.8	75-125	
Sodium	2290	174	"	535	1730	105	75-125	

Summit Scientific

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

Project: NEP - 1K  
Project Number: 0083-13115  
Project Manager: Jake Janicek

**Reported:**  
03/04/14 01:13

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

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

**Batch 1403004 - General Preparation**

<b>Blank (1403004-BLK1)</b>			Prepared: 03/01/14 Analyzed: 03/03/14		
Specific Conductance (EC)	ND	0.0100	mmhos/cm		
<b>Duplicate (1403004-DUP1)</b>			Source: 1402136-01 Prepared: 03/01/14 Analyzed: 03/03/14		
Specific Conductance (EC)	35.0	0.0100	mmhos/cm	26.8	26.6 20
<b>Duplicate (1403004-DUP2)</b>			Source: 1402136-02 Prepared: 03/01/14 Analyzed: 03/03/14		
Specific Conductance (EC)	0.0958	0.0100	mmhos/cm	0.0604	45.2 20

**Batch 1403005 - General Preparation**

<b>LCS (1403005-BS1)</b>			Prepared: 03/01/14 Analyzed: 03/03/14		
pH	ND	0.100	pH Units		0-200
<b>Duplicate (1403005-DUP1)</b>			Source: 1402137-01 Prepared: 03/01/14 Analyzed: 03/03/14		
pH	7.10	0.100	pH Units	7.42	4.41 20

**Batch 1403008 - General Preparation**

<b>Duplicate (1403008-DUP1)</b>			Source: 1402174-01 Prepared & Analyzed: 03/03/14		
% Solids	85.9		%	86.3	0.465 20

Summit Scientific

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

Project: NEP - 1K

Project Number: 0083-13115  
Project Manager: Jake Janicek

**Reported:**  
03/04/14 01:13

### Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS/LCSD recovery.
- 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