

Summit Scientific

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' or 'Shrewsbury', written in a cursive style.

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

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

Summit Scientific

5

741 Commerce Circle Suite 1 • Golden, Colorado 80401

303-277-9310 • 303-374-5933 Fax

Page 1 of 1

Client: LT Environmental

Address: 820 Mezzan Ave, Unit B

City/State/Zip: Rifle, CO 81650

CITY/STATE/ZIP: KING, CO 98102

Phone: 970-285-9985

Sender Name: Dustin Held

Project Manager, Jake Janicek

F-Mail: rjuncick@itenv.com, rfishburn@itenv.com

Project Name: IK

Project Name	In
1	1000
2	1000
3	1000
4	1000
5	1000
6	1000
7	1000
8	1000
9	1000
10	1000
11	1000
12	1000
13	1000
14	1000
15	1000
16	1000
17	1000
18	1000
19	1000
20	1000
21	1000
22	1000
23	1000
24	1000
25	1000
26	1000
27	1000
28	1000
29	1000
30	1000
31	1000
32	1000
33	1000
34	1000
35	1000
36	1000
37	1000
38	1000
39	1000
40	1000
41	1000
42	1000
43	1000
44	1000
45	1000
46	1000
47	1000
48	1000
49	1000
50	1000
51	1000
52	1000
53	1000
54	1000
55	1000
56	1000
57	1000
58	1000
59	1000
60	1000
61	1000
62	1000
63	1000
64	1000
65	1000
66	1000
67	1000
68	1000
69	1000
70	1000
71	1000
72	1000
73	1000
74	1000
75	1000
76	1000
77	1000
78	1000
79	1000
80	1000
81	1000
82	1000
83	1000
84	1000
85	1000
86	1000
87	1000
88	1000
89	1000
90	1000
91	1000
92	1000
93	1000
94	1000
95	1000
96	1000
97	1000
98	1000
99	1000
100	1000

Project Number: 008313115

[illegible]

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

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
C10-C28 (DRO)	230	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
Surrogate: o-Terphenyl		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	"	"	"	"	"	"	
Xylenes (total)	0.044	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	18	0.50	"	"	"	"	"	"	

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		104 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		97.7 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		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
Arsenic	10.1	0.0944	mg/kg dry	1	1403011	03/03/14	03/04/14	EPA 6020A	

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

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
Calcium	505	11.8	mg/kg dry	1	1403012	03/03/14	03/03/14	EPA 6020/Mod. USDA60 6(2, 3A)	
Magnesium	135	5.89	"	"	"	"	"	"	
Sodium	1840	177	"	"	"	"	"	"	

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	18.8		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
Specific Conductance (EC)	2.62	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
pH	9.32	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
% Solids	84.9		%	"	1403008	03/03/14	03/03/14	% calculation	

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

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
C10-C28 (DRO)	99	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	"	"	"	"	"	"	
Xylenes (total)	0.024	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	3.2	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
Arsenic	3.79	0.0835	mg/kg dry	1	1403011	03/03/14	03/04/14	EPA 6020A	

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

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
Calcium	588	10.9	mg/kg dry	1	1403012	03/03/14	03/03/14	EPA 6020/Mod. USDA60 6(2, 3A)	
Magnesium	125	5.43	"	"	"	"	"	"	
Sodium	1720	163	"	"	"	"	"	"	

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	16.8		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
Specific Conductance (EC)	2.66	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
pH	9.58	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
% Solids	92.1		%	"	1403008	03/03/14	03/03/14	% calculation	

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

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: o-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-d4		100 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		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	5.57	0.0974	mg/kg dry	1	1403011	03/03/14	03/04/14	EPA 6020A	

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

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
Calcium	1030	11.5	mg/kg dry	1	1403012	03/03/14	03/03/14	EPA 6020/Mod. USDA60 6(2, 3A)	
Magnesium	439	5.75	"	"	"	"	"	"	
Sodium	2690	173	"	"	"	"	"	"	

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	17.7		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
Specific Conductance (EC)	5.40	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
pH	9.33	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
% Solids	86.9		%	"	1403008	03/03/14	03/03/14	% calculation	

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

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch 1403018 - EPA 3550A

Blank (1403018-BLK1)

Prepared & Analyzed: 03/03/14

C10-C28 (DRO) ND 50 mg/kg

LCS (1403018-BS1)

Prepared & Analyzed: 03/03/14

C10-C28 (DRO) 551 50 mg/kg 473 117 73-134

Matrix Spike (1403018-MS1)

Source: 1402174-01

Prepared & Analyzed: 03/03/14

C10-C28 (DRO) 589 50 mg/kg 491 62.2 107 50-148

Matrix Spike Dup (1403018-MSD1)

Source: 1402174-01

Prepared & Analyzed: 03/03/14

C10-C28 (DRO) 578 50 mg/kg 491 62.2 105 50-148 1.91 13

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

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

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

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			

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

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

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

Batch 1403017 - EPA 5030 Soil MS

Matrix Spike Dup (1403017-MSD1)		Source: 1402174-01			Prepared & Analyzed: 03/03/14					
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	
Surrogate: 1,2-Dichloroethane-d4	0.0449		"	0.0389		115	23-173			
Surrogate: Toluene-d8	0.0437		"	0.0392		112	20-170			
Surrogate: 4-Bromofluorobenzene	0.0400		"	0.0392		102	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: NEP - 1K
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	Reporting			Spike	Source	%REC		RPD		
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

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	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

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

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

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

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

Batch 1403004 - General Preparation

Blank (1403004-BLK1)					Prepared: 03/01/14 Analyzed: 03/03/14						
Specific Conductance (EC)	ND	0.0100	mmhos/cm								
Duplicate (1403004-DUP1)					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	
Duplicate (1403004-DUP2)					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

LCS (1403005-BS1)					Prepared: 03/01/14 Analyzed: 03/03/14						
pH	ND	0.100	pH Units				0-200				
Duplicate (1403005-DUP1)					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

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