

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

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Received 08/28/14
Location ID 418007
Document 2313771

April 16, 2012

Brett Forkner
LT Environmental, Inc.
4600 West 60th Avenue
Arvada, CO 80003
RE: NEP - Lazy D3-15Hz

Enclosed are the results of analyses for samples received by Summit Scientific on 03/26/12 17:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Paul Shrewsbury For Ben Shrewsbury
President / Laboratory Director



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

Project: NEP - Lazy D3-15Hz

Project Number: NEP 1042
Project Manager: Brett Forkner

Reported:
04/16/12 11:15

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Lazy D3-15Hz-A	R203185-01	Soil	03/26/12 13:00	03/26/12 17:45
Lazy D3-15Hz-B	R203185-02	Soil	03/26/12 13:30	03/26/12 17:45
Lazy D3-15Hz-C	R203185-03	Soil	03/26/12 14:00	03/26/12 17:45

Summit Scientific

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

Project: NEP - Lazy D3-15Hz

Project Number: NEP 1042
Project Manager: Brett Forkner

Reported:
04/16/12 11:15

Summit Scientific 2203195

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303.277.9310 • 303.277.9511 Fax

Page 1 of 1

Client: L'E Environmental, Inc.

Address: 4600 West 60th Avenue

City/State/Zip: Arcata, CA 95521

Phone: (303) 433-0788

Sampler Name: T. S. Smith

Project Manager:

E-Mail:

Project Name:

Project Number:

[illegible]

www.s2scientific.com

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

Project: NEP - Lazy D3-15Hz
Project Number: NEP 1042
Project Manager: Brett Forkner

Reported:
04/16/12 11:15

Lazy D3-15Hz-A
R203185-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/26/12 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	2032714	03/27/12	03/28/12	8015 Full Carbon Chain	

Date Sampled: **03/26/12 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		96.2 %	80-124		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/26/12 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0050	mg/kg	1	2032713	03/27/12	03/27/12	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **03/26/12 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		119 %	67.4-143		"	"	"	"	
Surrogate: Toluene-d8		104 %	77.3-114		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.5 %	78.4-125		"	"	"	"	

Calculated Analytes

Date Sampled: **03/26/12 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium+3 Calculated	8.64	1.00	mg/kg	1	2040913	04/05/12	04/09/12	Calculation	

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Project: NEP - Lazy D3-15Hz

Project Number: NEP 1042
Project Manager: Brett Forkner

Reported:
04/16/12 11:15

Lazy D3-15Hz-A
R203185-01 (Soil)

Summit Scientific

Calculated Analytes

Total Metals by EPA Method 6020 - Dry Weight Basis

Date Sampled: **03/26/12 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	3.34	0.100	mg/kg	1	2032701	03/27/12	03/28/12	EPA 6020A	
Barium	875	0.100	"	"	"	"	"	"	
Cadmium	0.183	0.100	"	"	"	"	"	"	
Chromium	9.64	0.500	"	"	"	"	"	"	
Copper	13.7	0.500	"	"	"	"	"	"	
Lead	9.83	0.100	"	"	"	"	"	"	
Nickel	9.65	0.500	"	"	"	"	"	"	
Selenium	0.352	0.100	"	"	"	"	"	"	
Silver	ND	0.150	"	"	"	"	"	"	
Zinc	37.5	5.00	"	"	"	"	"	"	

Total Mercury by EPA Method 7471/7470

Date Sampled: **03/26/12 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Mercury	ND	0.0500	mg/kg	1	2032707	03/27/12	03/27/12	EPA 7471B	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/26/12 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.942	0.00100	mmhos/cm	1	2032710	03/27/12	03/27/12	SM 2510B	

Date Sampled: **03/26/12 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.5		pH Units	"	2032711	03/27/12	03/27/12	EPA 9045B	

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

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Project: NEP - Lazy D3-15Hz

Project Number: NEP 1042
Project Manager: Brett Forkner

Reported:
04/16/12 11:15

**Lazy D3-15Hz-A
R203185-01 (Soil)**

Summit Scientific

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

Date Sampled: **03/26/12 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	603	2.50	mg/kg	1	2032703	03/27/12	03/27/12	EPA 6020/USDA6 0 6(2, 3A)	
Magnesium	66.2	1.00	"	"	"	"	"	"	
Sodium	342	5.00	"	"	"	"	"	"	

Date Sampled: **03/26/12 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	3.53		units	"	2032712	03/27/12	03/27/12	"	

Accutest Laboratories - 6010 Hexavalent Chromium, Soil (3060A Mod Digest)

Date Sampled: **03/26/12 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	1	mg/kg	1	2040913	04/05/12	04/09/12	3060A/7196 A	

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Project: NEP - Lazy D3-15Hz
Project Number: NEP 1042
Project Manager: Brett Forkner

Reported:
04/16/12 11:15

Lazy D3-15Hz-B
R203185-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/26/12 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	76	50	mg/kg	1	2032714	03/27/12	03/28/12	8015 Full Carbon Chain	

Date Sampled: **03/26/12 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		95.9 %	80-124		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/26/12 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0050	mg/kg	1	2032713	03/27/12	03/27/12	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **03/26/12 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		118 %	67.4-143		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		102 %	77.3-114		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		102 %	78.4-125		"	"	"	"	

Calculated Analytes

Date Sampled: **03/26/12 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium+3 Calculated	11.6	1.00	mg/kg	1	2040913	04/05/12	04/09/12	Calculation	

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Project: NEP - Lazy D3-15Hz
Project Number: NEP 1042
Project Manager: Brett Forkner

Reported:
04/16/12 11:15

Lazy D3-15Hz-B
R203185-02 (Soil)

Summit Scientific

Calculated Analytes

Total Metals by EPA Method 6020 - Dry Weight Basis

Date Sampled: **03/26/12 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	6.31	0.100	mg/kg	1	2032701	03/27/12	03/28/12	EPA 6020A	
Barium	162	0.100	"	"	"	"	"	"	
Cadmium	5.83	0.100	"	"	"	"	"	"	
Chromium	14.0	0.500	"	"	"	"	"	"	
Copper	62.9	0.500	"	"	"	"	"	"	
Lead	16.3	0.100	"	"	"	"	"	"	
Nickel	38.9	0.500	"	"	"	"	"	"	
Selenium	10.5	0.100	"	"	"	"	"	"	
Silver	0.395	0.150	"	"	"	"	"	"	
Zinc	124	5.00	"	"	"	"	"	"	

Total Mercury by EPA Method 7471/7470

Date Sampled: **03/26/12 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Mercury	ND	0.0500	mg/kg	1	2032707	03/27/12	03/27/12	EPA 7471B	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/26/12 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	3.89	0.00100	mmhos/cm	1	2032710	03/27/12	03/27/12	SM 2510B	

Date Sampled: **03/26/12 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.4		pH Units	"	2032711	03/27/12	03/27/12	EPA 9045B	

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

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Arvada CO, 80003

Project: NEP - Lazy D3-15Hz
Project Number: NEP 1042
Project Manager: Brett Forkner

Reported:
04/16/12 11:15

**Lazy D3-15Hz-B
R203185-02 (Soil)**

Summit Scientific

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

Date Sampled: **03/26/12 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	1630	2.50	mg/kg	1	2032703	03/27/12	03/27/12	EPA 6020/USDA6 0 6(2, 3A)	
Magnesium	113	1.00	"	"	"	"	"	"	
Sodium	398	5.00	"	"	"	"	"	"	

Date Sampled: **03/26/12 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	2.57		units	"	2032712	03/27/12	03/27/12	"	

Accutest Laboratories - 6010 Hexavalent Chromium, Soil (3060A Mod Digest)

Date Sampled: **03/26/12 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	1	mg/kg	1	2040913	04/05/12	04/09/12	3060A/7196 A	

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Project: NEP - Lazy D3-15Hz
Project Number: NEP 1042
Project Manager: Brett Forkner

Reported:
04/16/12 11:15

Lazy D3-15Hz-C
R203185-03 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/26/12 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	290	50	mg/kg	1	2032714	03/27/12	03/28/12	8015 Full Carbon Chain	

Date Sampled: **03/26/12 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		100 %	80-124		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/26/12 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0050	mg/kg	1	2032713	03/27/12	03/28/12	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	2.8	0.50	"	"	"	"	"	"	

Date Sampled: **03/26/12 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		119 %	67.4-143		"	"	"	"	
Surrogate: Toluene-d8		103 %	77.3-114		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	78.4-125		"	"	"	"	

Calculated Analytes

Date Sampled: **03/26/12 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium+3 Calculated	16.0	1.00	mg/kg	1	2040913	04/05/12	04/09/12	Calculation	

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Project: NEP - Lazy D3-15Hz
Project Number: NEP 1042
Project Manager: Brett Forkner

Reported:
04/16/12 11:15

Lazy D3-15Hz-C
R203185-03 (Soil)

Summit Scientific

Calculated Analytes

Total Metals by EPA Method 6020 - Dry Weight Basis

Date Sampled: **03/26/12 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	7.39	0.100	mg/kg	1	2032701	03/27/12	03/28/12	EPA 6020A	
Barium	611	0.100	"	"	"	"	"	"	
Cadmium	3.05	0.100	"	"	"	"	"	"	
Chromium	17.0	0.500	"	"	"	"	"	"	
Copper	37.6	0.500	"	"	"	"	"	"	
Lead	7.07	0.100	"	"	"	"	"	"	
Nickel	22.3	0.500	"	"	"	"	"	"	
Selenium	5.04	0.100	"	"	"	"	"	"	
Silver	0.182	0.150	"	"	"	"	"	"	
Zinc	67.2	5.00	"	"	"	"	"	"	

Total Mercury by EPA Method 7471/7470

Date Sampled: **03/26/12 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Mercury	ND	0.0500	mg/kg	1	2032707	03/27/12	03/27/12	EPA 7471B	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/26/12 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.19	0.00100	mmhos/cm	1	2032710	03/27/12	03/27/12	SM 2510B	

Date Sampled: **03/26/12 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.6		pH Units	"	2032711	03/27/12	03/27/12	EPA 9045B	

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

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Project: NEP - Lazy D3-15Hz

Project Number: NEP 1042
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Reported:
04/16/12 11:15

Lazy D3-15Hz-C
R203185-03 (Soil)

Summit Scientific

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

Date Sampled: **03/26/12 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	1290	2.50	mg/kg	1	2032703	03/27/12	03/27/12	EPA 6020/USDA6 0 6(2, 3A)	
Magnesium	85.4	1.00	"	"	"	"	"	"	
Sodium	338	5.00	"	"	"	"	"	"	

Date Sampled: **03/26/12 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	2.46		units	"	2032712	03/27/12	03/27/12	"	

Accutest Laboratories - 6010 Hexavalent Chromium, Soil (3060A Mod Digest)

Date Sampled: **03/26/12 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	1	mg/kg	1	2040913	04/05/12	04/09/12	3060A/7196 A	

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Project: NEP - Lazy D3-15Hz
Project Number: NEP 1042
Project Manager: Brett Forkner

Reported:
04/16/12 11:15

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 2032714 - EPA 3550A

Blank (2032714-BLK1)

Prepared & Analyzed: 03/27/12

C10-C28 (DRO) ND 50 mg/kg

LCS (2032714-BS1)

Prepared & Analyzed: 03/27/12

C10-C28 (DRO) 574 50 mg/kg 501 115 81.4-129

LCS Dup (2032714-BSD1)

Prepared & Analyzed: 03/27/12

C10-C28 (DRO) 572 50 mg/kg 501 114 81.4-129 0.409 9.26

Matrix Spike (2032714-MS1)

Source: R203185-01

Prepared: 03/27/12 Analyzed: 03/28/12

C10-C28 (DRO) 595 50 mg/kg 501 ND 119 77.8-133

Matrix Spike Dup (2032714-MSD1)

Source: R203185-01

Prepared: 03/27/12 Analyzed: 03/28/12

C10-C28 (DRO) 577 50 mg/kg 501 ND 115 77.8-133 3.02 8.48

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Project: NEP - Lazy D3-15Hz
Project Number: NEP 1042
Project Manager: Brett Forkner

Reported:
04/16/12 11:15

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 2032713 - EPA 5030 Soil MS

Blank (2032713-BLK1)

Prepared: 03/27/12 Analyzed: 03/28/12

Benzene	ND	0.0050	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	0.0418		"	0.0397	105	67.4-143				
Surrogate: Toluene-d8	0.0402		"	0.0400	100	77.3-114				
Surrogate: 4-Bromofluorobenzene	0.0404		"	0.0400	101	78.4-125				

LCS (2032713-BS1)

Prepared: 03/27/12 Analyzed: 03/28/12

Benzene	0.0911	0.0050	mg/kg	0.100	91.1	61-139				
Toluene	0.0915	0.0050	"	0.100	91.5	64-132				
Ethylbenzene	0.0871	0.0050	"	0.100	87.1	68.7-135				
m,p-Xylene	0.186	0.010	"	0.200	93.1	70.4-129				
o-Xylene	0.0910	0.0050	"	0.100	91.0	66.9-126				
Surrogate: 1,2-Dichloroethane-d4	0.0198		"	0.0397	49.8	67.4-143				
Surrogate: Toluene-d8	0.0412		"	0.0400	103	77.3-114				
Surrogate: 4-Bromofluorobenzene	0.0406		"	0.0400	101	78.4-125				

LCS Dup (2032713-BSD1)

Prepared: 03/27/12 Analyzed: 03/28/12

Benzene	0.0952	0.0050	mg/kg	0.100	95.2	61-139	4.35	11.1		
Toluene	0.0928	0.0050	"	0.100	92.8	64-132	1.37	10.9		
Ethylbenzene	0.0890	0.0050	"	0.100	89.0	68.7-135	2.18	20		
m,p-Xylene	0.198	0.010	"	0.200	99.0	70.4-129	6.15	20		
o-Xylene	0.0962	0.0050	"	0.100	96.2	66.9-126	5.45	20		
Surrogate: 1,2-Dichloroethane-d4	0.0416		"	0.0397	105	67.4-143				
Surrogate: Toluene-d8	0.0406		"	0.0400	101	77.3-114				
Surrogate: 4-Bromofluorobenzene	0.0390		"	0.0400	97.4	78.4-125				

Summit Scientific

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

Project: NEP - Lazy D3-15Hz
Project Number: NEP 1042
Project Manager: Brett Forkner

Reported:
04/16/12 11:15

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 2032713 - EPA 5030 Soil MS

Matrix Spike (2032713-MS1)		Source: R203185-01			Prepared: 03/27/12		Analyzed: 03/28/12			
Benzene	0.0936	0.0050	mg/kg	0.100	ND	93.6	42.9-137			
Toluene	0.0908	0.0050	"	0.100	ND	90.8	42.6-130			
Ethylbenzene	0.0912	0.0050	"	0.100	ND	91.2	39-133			
m,p-Xylene	0.206	0.010	"	0.200	ND	103	34.7-134			
o-Xylene	0.101	0.0050	"	0.100	ND	101	41.3-126			
Surrogate: 1,2-Dichloroethane-d4	0.0467		"	0.0397		118	67.4-143			
Surrogate: Toluene-d8	0.0401		"	0.0400		100	77.3-114			
Surrogate: 4-Bromofluorobenzene	0.0406		"	0.0400		101	78.4-125			
Matrix Spike Dup (2032713-MSD1)		Source: R203185-01			Prepared: 03/27/12		Analyzed: 03/28/12			
Benzene	0.0910	0.0050	mg/kg	0.100	ND	91.0	42.9-137	2.73	17.9	
Toluene	0.0886	0.0050	"	0.100	ND	88.6	42.6-130	2.44	11.9	
Ethylbenzene	0.0831	0.0050	"	0.100	ND	83.1	39-133	9.33	20	
m,p-Xylene	0.186	0.010	"	0.200	ND	93.1	34.7-134	10.3	20	
o-Xylene	0.0914	0.0050	"	0.100	ND	91.4	41.3-126	10.5	20	
Surrogate: 1,2-Dichloroethane-d4	0.0465		"	0.0397		117	67.4-143			
Surrogate: Toluene-d8	0.0405		"	0.0400		101	77.3-114			
Surrogate: 4-Bromofluorobenzene	0.0385		"	0.0400		96.3	78.4-125			

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

Project: NEP - Lazy D3-15Hz
Project Number: NEP 1042
Project Manager: Brett Forkner

Reported:
04/16/12 11:15

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 2032701 - EPA 1311

Blank (2032701-BLK1)

Prepared: 03/27/12 Analyzed: 03/28/12

Arsenic	ND	0.100	mg/kg
Barium	ND	0.100	"
Cadmium	ND	0.100	"
Chromium	ND	0.500	"
Copper	ND	0.500	"
Lead	ND	0.100	"
Nickel	ND	0.500	"
Selenium	ND	0.100	"
Silver	ND	0.150	"
Zinc	ND	5.00	"

LCS (2032701-BS1)

Prepared: 03/27/12 Analyzed: 03/28/12

Arsenic	2.54	0.100	mg/kg	2.54	99.9	80-120
Barium	230	0.100	"	225	102	80-120
Cadmium	1.04	0.100	"	1.02	102	80-120
Chromium	10.2	0.500	"	10.0	102	80-120
Copper	18.2	0.500	"	20.0	91.0	80-120
Lead	75.8	0.100	"	75.0	101	80-120
Nickel	13.5	0.500	"	15.1	89.2	80-120
Selenium	0.927	0.100	"	1.15	80.6	80-120
Silver	0.491	0.150	"	0.500	98.2	80-120
Zinc	72.4	5.00	"	75.0	96.6	80-120

LCS Dup (2032701-BSD1)

Prepared: 03/27/12 Analyzed: 03/28/12

Arsenic	2.61	0.100	mg/kg	2.54	103	80-120	2.77	20
Barium	231	0.100	"	225	103	80-120	0.698	20
Cadmium	1.04	0.100	"	1.02	102	80-120	0.160	20
Chromium	10.2	0.500	"	10.0	102	80-120	0.0649	20
Copper	18.4	0.500	"	20.0	91.9	80-120	1.00	20
Lead	75.1	0.100	"	75.0	100	80-120	0.905	20
Nickel	13.6	0.500	"	15.1	89.8	80-120	0.665	20
Selenium	0.938	0.100	"	1.15	81.6	80-120	1.23	20
Silver	0.451	0.150	"	0.500	90.3	80-120	8.39	20
Zinc	72.5	5.00	"	75.0	96.7	80-120	0.0717	20

Summit Scientific

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

Project: NEP - Lazy D3-15Hz
Project Number: NEP 1042
Project Manager: Brett Forkner

Reported:
04/16/12 11:15

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 2032701 - EPA 1311

Matrix Spike (2032701-MS1)				Source: R203189-01		Prepared: 03/27/12		Analyzed: 03/28/12		
Arsenic	6.81	0.100	mg/kg	2.64	5.19	61.6	75-125			QM-07
Barium	488	0.100	"	234	302	79.9	75-125			
Cadmium	1.31	0.100	"	1.05	0.234	102	75-125			
Chromium	14.5	0.500	"	10.4	5.49	86.6	75-125			
Copper	21.0	0.500	"	20.8	6.41	69.8	75-125			QM-07
Lead	86.5	0.100	"	77.9	9.54	98.7	75-125			
Nickel	16.5	0.500	"	15.7	5.34	71.3	75-125			QM-07
Selenium	1.24	0.100	"	1.20	0.426	68.0	75-125			QM-07
Silver	0.360	0.150	"	0.520	0.0290	63.8	75-125			QM-07
Zinc	88.1	5.00	"	77.9	25.9	79.8	75-125			

Matrix Spike Dup (2032701-MSD1)				Source: R203189-01		Prepared: 03/27/12		Analyzed: 03/28/12		
Arsenic	7.19	0.100	mg/kg	2.71	5.19	74.0	75-125	5.42	25	QM-07
Barium	557	0.100	"	240	302	106	75-125	13.1	25	
Cadmium	1.46	0.100	"	1.08	0.234	113	75-125	11.1	25	
Chromium	15.9	0.500	"	10.7	5.49	97.3	75-125	9.10	25	
Copper	23.0	0.500	"	21.4	6.41	77.7	75-125	9.38	25	
Lead	96.8	0.100	"	80.0	9.54	109	75-125	11.2	25	
Nickel	18.4	0.500	"	16.1	5.34	81.0	75-125	10.6	25	
Selenium	1.31	0.100	"	1.23	0.426	71.7	75-125	5.24	25	QM-07
Silver	0.494	0.150	"	0.533	0.0290	87.2	75-125	31.2	25	
Zinc	96.5	5.00	"	80.0	25.9	88.3	75-125	9.08	25	

Summit Scientific

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

Project: NEP - Lazy D3-15Hz
Project Number: NEP 1042
Project Manager: Brett Forkner

Reported:
04/16/12 11:15

Total Mercury by EPA Method 7471/7470 - Quality Control
Summit Scientific

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

Batch 2032707 - EPA 7471A

Blank (2032707-BLK1)

Prepared & Analyzed: 03/27/12

Mercury ND 0.0500 mg/kg

LCS (2032707-BS1)

Prepared & Analyzed: 03/27/12

Mercury 0.448 0.0500 mg/kg 0.400 112 80-120

LCS Dup (2032707-BSD1)

Prepared & Analyzed: 03/27/12

Mercury 0.387 0.0500 mg/kg 0.400 96.9 80-120 14.6 20

Matrix Spike (2032707-MS1)

Source: R203184-01

Prepared & Analyzed: 03/27/12

Mercury 0.299 0.0500 mg/kg 0.305 0.0112 94.2 75-125

Matrix Spike Dup (2032707-MSD1)

Source: R203184-01

Prepared & Analyzed: 03/27/12

Mercury 0.357 0.0500 mg/kg 0.365 0.0112 94.7 75-125 17.7 20

Summit Scientific

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

Project: NEP - Lazy D3-15Hz

Project Number: NEP 1042
Project Manager: Brett Forkner

Reported:
04/16/12 11:15

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 2032710 - General Preparation

Duplicate (2032710-DUP1)

Source: R203159-01

Prepared & Analyzed: 03/27/12

Specific Conductance (EC)	3.51	0.00100	mmhos/cm		3.58			2.04	20	
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Batch 2032711 - General Preparation

Duplicate (2032711-DUP1)

Source: R203159-01

Prepared & Analyzed: 03/27/12

pH	9.2		pH Units		9.2			0.760	20	
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LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: NEP - Lazy D3-15Hz
Project Number: NEP 1042
Project Manager: Brett Forkner

Reported:
04/16/12 11:15

Soluble Nutrients by EPA 6020/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 2032703 - General Preparation

Blank (2032703-BLK1)

Prepared & Analyzed: 03/27/12

Calcium	ND	2.50	mg/kg
Magnesium	ND	1.00	"
Sodium	ND	5.00	"

LCS (2032703-BS1)

Prepared & Analyzed: 03/27/12

Calcium	397	2.50	mg/kg	400	99.3	70-130
Magnesium	201	1.00	"	200	101	70-130
Sodium	789	5.00	"	800	98.6	70-130

LCS Dup (2032703-BSD1)

Prepared & Analyzed: 03/27/12

Calcium	394	2.50	mg/kg	400	98.4	70-130	0.940	25
Magnesium	200	1.00	"	200	100	70-130	0.427	25
Sodium	788	5.00	"	800	98.5	70-130	0.124	25

Matrix Spike (2032703-MS1)

Source: R203179-05

Prepared & Analyzed: 03/27/12

Calcium	2120	2.50	mg/kg	320	1840	87.3	70-130
Magnesium	160	1.00	"	160	2.64	98.1	70-130
Sodium	1090	5.00	"	640	479	95.0	70-130

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

Project: NEP - Lazy D3-15Hz

Project Number: NEP 1042
Project Manager: Brett Forkner

Reported:
04/16/12 11:15

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

Summit Scientific

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A handwritten signature in black ink, appearing to be 'MSF'.