



September 16, 2013

Mr. John Axelson
Northeast Region Environmental Protection Specialist
Colorado Oil and Gas Conservation Commission
1120 Lincoln Street, Suite 801
Denver, Colorado 80203

**RE: Site Investigation Results & Remediation Workplan
Beren Corporation
Moyer #16-30 Release
API: 05-123-05975
NOAV: 200382925
SESE Sec. 30-T12N-R56W 6 PM
40.977950, -103.673452
Weld County, Colorado**

Dear Mr. Axelson:

LT Environmental, Inc. (LTE), under the direction of Beren Corporation (Beren), conducted environmental sampling activities at the Moyer #16-30 Tank Battery (Site) in response to a Notice of Alleged Violation (NOAV #200382925) issued by the Colorado Oil and Gas Conservation Commission (COGCC) following an on-site field inspection (Document #667500201). The COGCC identified petroleum hydrocarbon impacts indicative of historical releases in the drainage east of the Site, which is located approximately 1.2 miles southeast of the intersection of Colorado State Highway 71 and Weld County Road 138 in Weld County, Colorado. The legal site description is the southeast quarter of the southeast quarter of Section 30, Township 30 North, and Range 56 West of the 6th Principal Meridian. The Site Location Map is provided as Figure 1.

Site Investigation

The COGCC observed evidence of a historical crude oil and produced water release (Spill Tracking #2145523) at the Site. Historical aerial photos suggest a release emanated from the oil skim pit and migrated into the drainage east of the Site (Figure 2).

On July 25 and August 1, 2013, LTE personnel were on site to field screen soil, document site activities, and collect soil samples for laboratory analysis. Impacted surficial soil was observed along the drainage during assessment activities. Petroleum hydrocarbon impact was not observed in the drainage below a depth of 2 feet.

Utilizing a hand auger, LTE collected soil samples from ten locations (SS01 through SS10) along the estimated flow path. These locations were established using global positioning system (GPS) points from the previous trace that is visible on the aerial photos of the Site. Two samples



were collected from each sample location: one sample was composited from the first six inches of soil and one sample was composited from a depth visually determined to be free of petroleum hydrocarbon impact. Immediately following sample collection, the soil samples were placed in re-sealable sample bags and a flame-ionization detector was utilized to measure concentrations of volatile organic vapors. Following field screening, soil samples were transferred into laboratory-prepared, 4-ounce, wide-mouth glass jars and submitted to Summit Scientific (Summit) of Golden, Colorado. The soil samples were placed on ice and delivered with a completed chain-of-custody form to Summit.

Composite soil samples were submitted for laboratory analysis of benzene, toluene, ethylbenzene, and total xylenes (BTEX) and total petroleum hydrocarbons (TPH)-gasoline range organics (GRO) by United States Environmental Protection Agency (EPA) Method 8260B, and TPH-diesel range organics (DRO) by EPA Modified Method 8015. Sample locations SS01, SS03, SS04, SS07, and SS10 were also analyzed for pH by EPA Method 9045, specific conductance (EC) by Standard Method 2510B, and sodium adsorption ratio (SAR) by the United States Department of Agriculture Handbook 60 Method.

Laboratory analytical results indicate soil samples SS02@0-0.5", SS04@0-0.5", SS06@0-0.5", and SS07@0-0.5" exceed the COGCC Table 910-1 Concentration Level for TPH (Table 1) with concentrations ranging from 1,700.73 to 4,900 milligrams per kilogram (mg/kg). However, analytical results from all ten deep soil sample locations are compliant with COGCC Table 910-1 Concentration Level for TPH (Table 1). Laboratory analytical results also indicate soil samples SS07@2-2.5' and SS10@0-0.5" exceed the COGCC Table 910-1 Concentration Level for pH at 9.13 and 9.16, respectively. These slight pH exceedances appear to be representative of background pH as the levels of EC and SAR are low, indicating impact is not present.

All other samples were compliant with the COGCC Table 910-1 Concentration Levels. The soil analytical results are summarized in Table 1. The laboratory analytical report is included as an attachment.

Remediation Workplan

Beren plans to excavate the COGCC Table 910-1 non-compliant soil at sample locations SS02, SS04, SS06, and SS07 to the depths determined to be compliant by the second deeper sample location. The excavated sections of the drainage will be backfilled to match the current grade and contour with COGCC Table 910-1 compliant soil.

During remediation activities, Beren will also close the produced water pit and oil skim pit on site in accordance with the COGCC Rule 905. Once Beren has visually determined all impacted soil has been removed from the oil skim pit and produced water pit, LTE personnel will return to the site to collect confirmation samples to be submitted to Summit for laboratory analysis. Upon receipt of compliant confirmation results, Beren will request approval to backfill the produced water and oil skim pits to previous grade and contour with COGCC Table 910-1 compliant soil.



Please call LTE at 303-433-9788 if you have any questions or comments regarding this report.

Sincerely,

LT ENVIRONMENTAL, INC.

A handwritten signature in black ink, appearing to read 'Michael Wicker'. The signature is fluid and cursive, with the first name 'Michael' being more prominent than the last name 'Wicker'.

Michael Wicker
Staff Geologist

A handwritten signature in black ink, appearing to read 'Brian Dodek'. The signature is fluid and cursive, with the first name 'Brian' being more prominent than the last name 'Dodek'.

Brian Dodek, P.G.
Client Manager/Senior Geologist

Attachments:

Figure 1 – Site Location Map

Figure 2 – Site Map

Table 1 – Soil Analytical Results

Attachment – Laboratory Analytical Reports

FIGURES



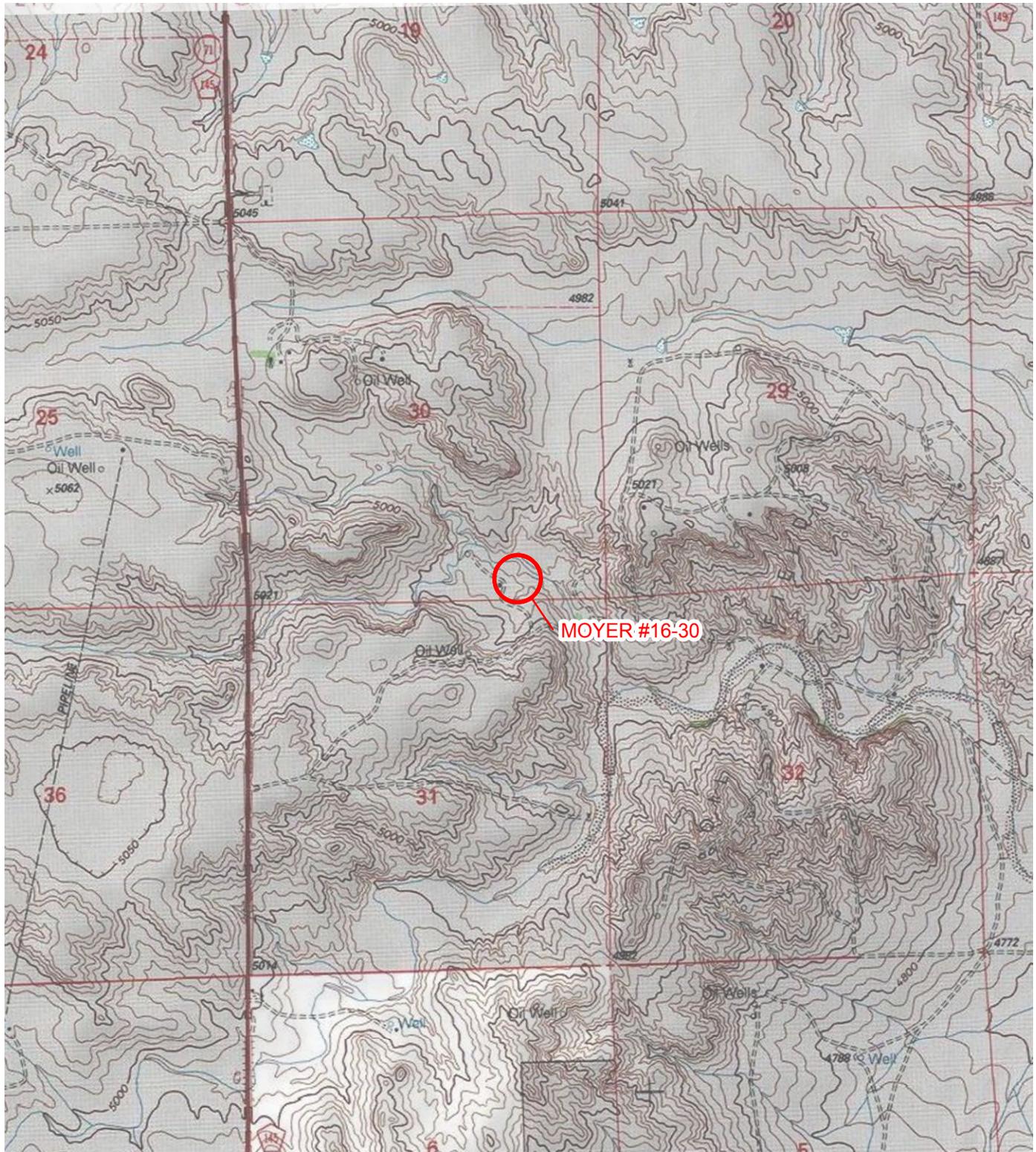


IMAGE COURTESY OF ESRI/USGS

LEGEND

 SITE LOCATION

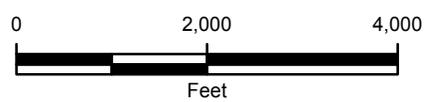


FIGURE 1
SITE LOCATION MAP
MOYER #16-30
SESE SEC 30-T12N-R56W
WELD COUNTY, COLORADO
BEREN CORPORATION





IMAGE COURTESY OF ESRI/BING MAPS

LEGEND

- SOIL SAMPLE
- ▶ SURVEY PATH

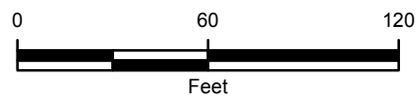


FIGURE 2
 SITE MAP
 MOYER #16-30
 SESE SEC 30-T12N-R56W
 WELD COUNTY, COLORADO
 BEREN CORPORATION



TABLE



TABLE 1
SOIL ANALYTICAL RESULTS
MOYER #16-30 RELEASE
WELD COUNTY, COLORADO
BEREN CORPORATION

PARAMETER	COGCC Table 910-1 Concentration Level	UNITS	Sample ID: SS01@0-0.5'	Sample ID: SS01@7.5-8'	Sample ID: SS02@0-0.5'	Sample ID: SS02@1.5-2'	Sample ID: SS03@0-0.5'	Sample ID: SS03@1-1.5'	Sample ID: SS04@0-0.5'	Sample ID: SS04@1.5-2'	Sample ID: SS05@0-0.5'	Sample ID: SS05@1.5-2'
Sample Date			7/25/2013	7/25/2013	7/25/2013	7/25/2013	8/1/2013	8/1/2013	7/25/2013	7/25/2013	7/25/2013	7/25/2013
Benzene	0.17	mg/kg	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Toluene	85	mg/kg	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Ethylbenzene	100	mg/kg	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Total Xylenes	175	mg/kg	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
TPH-GRO		mg/kg	2.2	<0.50	<0.50	<0.50	<0.50	<0.50	0.73	<0.50	<0.50	<0.50
TPH-DRO		mg/kg	<50	<50	2,000	<50	<50	<50	1,700	350	<50	<50
Total TPH	500	mg/kg	2.2	<50.50	2,000	<50.50	<50.50	<50.50	1,700.73	350	<50.50	<50.50
EC	<4	mmhos/cm	0.295	--	--	--	0.106	0.0680	--	0.107	--	--
pH	6 - 9	SU	8.53	--	--	--	7.87	7.79	--	8.57	--	--
SAR	<12	unitless	0.200	--	--	--	0.200	0.290	--	3.16	--	--

NOTES:

< - less than the stated laboratory reporting limit

-- - not analyzed

EC - specific conductance

mg/kg - milligrams per kilogram

mmhos/cm - millimhos per centimeter in saturated paste extract

SAR - sodium adsorption ratio

SU - standard unit on saturated paste

TPH-DRO - total petroleum hydrocarbons-diesel range organics

TPH-GRO - total petroleum hydrocarbons-gasoline range organics

Total TPH - sum of TPH-DRO and TPH-GRO

BOLD - indicates result exceeds the applicable Colorado Oil and Gas Conservation Commission (COGCC) Table 910-1 Concentration Level



TABLE 1
SOIL ANALYTICAL RESULTS
MOYER #16-30 RELEASE
WELD COUNTY, COLORADO
BEREN CORPORATION

PARAMETER	COGCC Table 910-1 Concentration Level	UNITS	Sample ID: SS06@0-0.5'	Sample ID: SS06@1.5-2'	Sample ID: SS07@0-0.5'	Sample ID: SS07@2-2.5'	Sample ID: SS08@0-0.5'	Sample ID: SS08@1.5-2'	Sample ID: SS09@0-0.5'	Sample ID: SS09@1.5-2'	Sample ID: SS10@0-0.5'	Sample ID: SS10@1.5-2'
Sample Date			7/25/2013	7/25/2013	7/25/2013	7/25/2013	7/25/2013	7/25/2013	7/25/2013	7/25/2013	7/25/2013	7/25/2013
Benzene	0.17	mg/kg	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Toluene	85	mg/kg	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Ethylbenzene	100	mg/kg	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Total Xylenes	175	mg/kg	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
TPH-GRO		mg/kg	<0.50	<0.50	1.9	1.2	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TPH-DRO		mg/kg	4,900	<50	2,900	<50	<50	<50	<50	<50	<50	<50
Total TPH	500	mg/kg	4,900	<50.50	2,901.9	1.2	<50.50	<50.50	<50.50	<50.50	<50.50	<50.50
EC	<4	mmhos/cm	--	--	--	0.134	--	--	--	--	0.0738	--
pH	6 - 9	SU	--	--	--	9.13	--	--	--	--	9.16	--
SAR	<12	unitless	--	--	--	0.130	--	--	--	--	0.0500	--

NOTES:

< - less than the stated laboratory reporting limit

-- - not analyzed

EC - specific conductance

mg/kg - milligrams per kilogram

mmhos/cm - millimhos per centimeter in saturated paste extract

SAR - sodium adsorption ratio

SU - standard unit on saturated paste

TPH-DRO - total petroleum hydrocarbons-diesel range organics

TPH-GRO - total petroleum hydrocarbons-gasoline range organics

Total TPH - sum of TPH-DRO and TPH-GRO

BOLD - indicates result exceeds the applicable Colorado Oil and Gas Conservation Commission (COGCC) Table 910-1 Concentration Level



ATTACHMENT
LABORATORY ANALYTICAL REPORTS



Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

August 27, 2013

Brian Dodek

LT Environmental, Inc.

4600 West 60th Avenue

Arvada, CO 80003

RE: BNC - Moyer Unit 14-30 Release

Enclosed are the results of analyses for samples received by Summit Scientific on 07/26/13 17:20. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Joseph J Egry IV

Laboratory Director

This report shall not be reproduced, except in its entirety, without the written approval of Summit Scientific. Test results relate only to samples analyzed.

Summit Scientific is the sole authority for authorizing edits or modifications to this document. Unauthorized modification of this report is strictly prohibited.



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

Project: BNC - Moyer Unit 14-30 Release

Project Number: 0415-13001
Project Manager: Brian Dodek

Reported:
08/27/13 16:29

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS01@0-0.6'	R307267-01	Soil	07/25/13 10:25	07/26/13 17:20
SS01@7.5-8'	R307267-02	Soil	07/25/13 11:00	07/26/13 17:20
SS02@0-0.6'	R307267-03	Soil	07/25/13 11:20	07/26/13 17:20
SS02@1.5-2'	R307267-04	Soil	07/25/13 11:30	07/26/13 17:20
SS04@0-0.6'	R307267-07	Soil	07/25/13 12:05	07/26/13 17:20
SS04@1.5-2'	R307267-08	Soil	07/25/13 12:10	07/26/13 17:20
SS05@0-0.6'	R307267-09	Soil	07/25/13 12:24	07/26/13 17:20
SS05@1.5-2'	R307267-10	Soil	07/25/13 12:30	07/26/13 17:20
SS06@0-0.6'	R307267-11	Soil	07/25/13 12:50	07/26/13 17:20
SS06@1.5-2'	R307267-12	Soil	07/25/13 13:00	07/26/13 17:20
SS07@0-0.6'	R307267-13	Soil	07/25/13 13:05	07/26/13 17:20
SS07@2-2.5'	R307267-14	Soil	07/25/13 13:15	07/26/13 17:20
SS08@0-0.6'	R307267-15	Soil	07/25/13 13:50	07/26/13 17:20
SS08@1.5-2'	R307267-16	Soil	07/25/13 14:00	07/26/13 17:20
SS09@0-0.6'	R307267-17	Soil	07/25/13 14:05	07/26/13 17:20
SS09@1.5-2'	R307267-18	Soil	07/25/13 14:10	07/26/13 17:20
SS10@0-0.6'	R307267-19	Soil	07/25/13 14:15	07/26/13 17:20
SS10@1.5-2'	R307267-20	Soil	07/25/13 14:20	07/26/13 17:20

Summit Scientific

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

Project: BNC - Moyer Unit 14-30 Release

Project Number: 0415-13001
Project Manager: Brian Dodek

Reported:
08/27/13 16:29

R307267.1
Summit Scientific

S₂
741 Corporate Circle Suite 1 • Golden, Colorado 80401
303-277-9310 • 303-374-9333 Fax

Page 1 of 2

Client: LT Environmental, Inc.
Address: 4600 W. 60th Ave
City/State/Zip: Arvada, CO 80003
Phone: 303-443-9788 Fax:
Sampler Name: M. Walker
Project Manager: Brian Dodek
E-Mail: BDodek@LTENV.com / MWalker@LTENV.com
Project Name: Moyer Unit 14-30 Release
Project Number: 041513001

Sample Description	Date Sampled	Time Sampled	Number of Containers	Preservative				Matrix				Analyze For:	Special Instructions	
				HCl	HNO ₃	None	Other (Specify)	Soil	Air - Canister Serial #	Other (Specify)	Other (Specify)			
SOIL 0-0.6'	7/25/13	1025	2											
SOIL 1.5-2'		1100												
SOIL 0-0.6'		1120												
SOIL 1.5-2'		1130												
SOIL 0-0.6'		1145												NO sample, per M.W.
SOIL 1.5-2'		1150												NO sample, per M.W.
SOIL 0-0.6'		1205												
SOIL 1.5-2'		1240												
SOIL 0-0.6'		1224												
SOIL 1.5-2'		1230												
Retriquished by: <u>M.W.</u>	Date/Time: <u>7-25-13 1740</u>	Received by: <u>[Signature]</u>		Date/Time: <u>7/25/13 1740</u>	Turn Around Time (Check):		Same Day <input type="checkbox"/>		72 Hours <input type="checkbox"/>		Standard <input checked="" type="checkbox"/>		Notes:	
Retriquished by:	Date/Time:	Received by:		Date/Time:	Turn Around Time (Check):		Same Day <input type="checkbox"/>		72 Hours <input type="checkbox"/>		Standard <input type="checkbox"/>		Notes:	
Retriquished by:	Date/Time:	Received in Lab by:		Date/Time:	Sample Integrity:		Temperature Upon Receipt: <u>8°C</u>		Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					

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

Project: BNC - Moyer Unit 14-30 Release

Project Number: 0415-13001
Project Manager: Brian Dodek

Reported:
08/27/13 16:29

R3072672

Summit Scientific

S_i

741 Corporate Circle Suite 1 • Golden, Colorado 80401
303-277-9310 • 303-574-5923 Fax

Page 2 of 2

Client: LT Environmental, Inc.
Address: 4600 W 60th Ave
City/State/Zip: Arvada, CO 80003
Phone: 303-495-4788 Fax:
Sampler Name: M. Walker
Project Manager: Brian Dodek
E-Mail: B.Dodek@LTEnvironmental.com
Project Name: Moyer Unit 14-30 Release
Project Number: 041513001

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 #
SS100 0-0.6'	7/25/13	1350	2									
SS060 1.5-2'		1300								DRP GETEX		
SS070 0-0.6'		1305										
SS070 2-2.5'		1315										
SS080 0-0.6'		1350										
SS090 1.5-2'		1400										
SS090 0-0.6'		1405										
SS090 1.5-2'		1410										
SS100 0-0.6'		1415										
SS100 1.5-2'		1420										
Retransmitted by: <u>M. Walker</u> Date/Time: <u>7-26-13 1720</u>				Received by: <u>M. Walker</u> Date/Time: <u>7/26/13 1720</u>				Turn Around Time (Check): Same Day <input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input checked="" type="checkbox"/> 72 Hours Standard <input type="checkbox"/>				Notes:
Retransmitted by: _____ Date/Time: _____				Received by: _____ Date/Time: _____				Sample Integrity: Temperature Upon Receipt: <u>8°C</u> Inact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				

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

Project: BNC - Moyer Unit 14-30 Release

Project Number: 0415-13001
Project Manager: Brian Dodek

Reported:
08/27/13 16:29

SS01@0-0.6'
R307267-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/25/13 10:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	3073115	07/31/13	08/01/13	8015M	

Date Sampled: **07/25/13 10:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		88.7 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/25/13 10:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	3073114	07/31/13	08/01/13	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	2.2	0.50	"	"	"	"	"	"	

Date Sampled: **07/25/13 10:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		116 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		102 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.0 %	21-167		"	"	"	"	

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

Date Sampled: **07/25/13 10:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: BNC - Moyer Unit 14-30 Release

Project Number: 0415-13001
Project Manager: Brian Dodek

Reported:
08/27/13 16:29

SS01@0-0.6'
R307267-01 (Soil)

Summit Scientific

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

Analyte	Result	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	138	7.89 mg/kg dry	1	3082310	08/23/13	08/23/13	EPA 6020/Mod. USDA60 6(2, 3A)	
Magnesium	17.3	3.95 "	"	"	"	"	"	
Sodium	9.37	3.95 "	"	"	"	"	"	

Date Sampled: 07/25/13 10:25

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.200		units	"	3082309	08/23/13	08/26/13	"	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: 07/25/13 10:25

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.295	0.0100	mmhos/cm	1	3082307	08/23/13	08/23/13	SM 2510B	

Date Sampled: 07/25/13 10:25

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.53	0.100	pH Units	"	3082305	08/23/13	08/23/13	EPA 9045	

Date Sampled: 07/25/13 10:25

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	95.0		%	"	3082604	08/26/13	08/26/13	% calculation	

Summit Scientific

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

Project: BNC - Moyer Unit 14-30 Release

Project Number: 0415-13001
Project Manager: Brian Dodek

Reported:
08/27/13 16:29

SS01@7.5-8'
R307267-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/25/13 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	3073115	07/31/13	08/01/13	8015M	

Date Sampled: **07/25/13 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		91.0 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/25/13 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	3073114	07/31/13	08/01/13	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **07/25/13 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		106 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		101 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.8 %	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: BNC - Moyer Unit 14-30 Release

Project Number: 0415-13001
Project Manager: Brian Dodek

Reported:
08/27/13 16:29

SS02@0-0.6'
R307267-03 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/25/13 11:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	2000	50	mg/kg	1	3073115	07/31/13	08/01/13	8015M	

Date Sampled: **07/25/13 11:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		121 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/25/13 11:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	3073114	07/31/13	08/01/13	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **07/25/13 11:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		113 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		97.8 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		98.4 %	21-167		"	"	"	"	

Summit Scientific

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

Project: BNC - Moyer Unit 14-30 Release

Project Number: 0415-13001
Project Manager: Brian Dodek

Reported:
08/27/13 16:29

SS02@1.5-2'
R307267-04 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/25/13 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	3073115	07/31/13	08/01/13	8015M	

Date Sampled: **07/25/13 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		95.6 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/25/13 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	3073114	07/31/13	08/01/13	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **07/25/13 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		102 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		98.8 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.0 %	21-167		"	"	"	"	

Summit Scientific

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

Project: BNC - Moyer Unit 14-30 Release

Project Number: 0415-13001
Project Manager: Brian Dodek

Reported:
08/27/13 16:29

SS04@0-0.6'
R307267-07 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/25/13 12:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	1700	50	mg/kg	1	3073115	07/31/13	08/01/13	8015M	

Date Sampled: **07/25/13 12:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		91.1 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/25/13 12:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	3073114	07/31/13	08/01/13	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	0.73	0.50	"	"	"	"	"	"	

Date Sampled: **07/25/13 12:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		147 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		91.0 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		91.3 %	21-167		"	"	"	"	

Summit Scientific

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

Project: BNC - Moyer Unit 14-30 Release

Project Number: 0415-13001
Project Manager: Brian Dodek

Reported:
08/27/13 16:29

SS04@1.5-2'
R307267-08 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/25/13 12:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	350	50	mg/kg	1	3073115	07/31/13	08/01/13	8015M	

Date Sampled: **07/25/13 12:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		86.2 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/25/13 12:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	3073114	07/31/13	08/01/13	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **07/25/13 12:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		106 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		101 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		95.4 %	21-167		"	"	"	"	

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

Date Sampled: **07/25/13 12:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	84.6	8.10	mg/kg dry	1	3082310	08/23/13	08/23/13	EPA 6020/Mod. USDA60 6(2, 3A)	

Summit Scientific

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

Project: BNC - Moyer Unit 14-30 Release

Project Number: 0415-13001
Project Manager: Brian Dodek

Reported:
08/27/13 16:29

SS04@1.5-2'
R307267-08 (Soil)

Summit Scientific

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

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Magnesium	17.4	4.05	mg/kg dry	1	3082310	08/23/13	08/23/13	EPA 6020/Mod. USDA60 6(2, 3A)	
Sodium	122	4.05	"	"	"	"	"	"	

Date Sampled: **07/25/13 12:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	3.16		units	"	3082309	08/23/13	08/26/13	"	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **07/25/13 12:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.107	0.0100	mmhos/cm	1	3082307	08/23/13	08/23/13	SM 2510B	

Date Sampled: **07/25/13 12:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.57	0.100	pH Units	"	3082305	08/23/13	08/23/13	EPA 9045	

Date Sampled: **07/25/13 12:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	92.0		%	"	3082604	08/26/13	08/26/13	% calculation	

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

Project: BNC - Moyer Unit 14-30 Release

Project Number: 0415-13001
Project Manager: Brian Dodek

Reported:
08/27/13 16:29

SS05@0-0.6'
R307267-09 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/25/13 12:24**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	3073115	07/31/13	08/01/13	8015M	

Date Sampled: **07/25/13 12:24**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		85.2 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/25/13 12:24**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	3073114	07/31/13	08/01/13	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **07/25/13 12:24**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		109 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		101 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.8 %	21-167		"	"	"	"	

Summit Scientific

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

Project: BNC - Moyer Unit 14-30 Release

Project Number: 0415-13001
Project Manager: Brian Dodek

Reported:
08/27/13 16:29

SS05@1.5-2'
R307267-10 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/25/13 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	3073115	07/31/13	08/01/13	8015M	

Date Sampled: **07/25/13 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		94.5 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/25/13 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	3073114	07/31/13	08/01/13	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **07/25/13 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		105 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		99.5 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.1 %	21-167		"	"	"	"	

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

Project: BNC - Moyer Unit 14-30 Release

Project Number: 0415-13001
Project Manager: Brian Dodek

Reported:
08/27/13 16:29

SS06@0-0.6'
R307267-11 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/25/13 12:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	4900	50	mg/kg	1	3073115	07/31/13	08/01/13	8015M	

Date Sampled: **07/25/13 12:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		97.2 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/25/13 12:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	3073114	07/31/13	08/01/13	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **07/25/13 12:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		112 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		97.8 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		91.8 %	21-167		"	"	"	"	

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

Project: BNC - Moyer Unit 14-30 Release

Project Number: 0415-13001
Project Manager: Brian Dodek

Reported:
08/27/13 16:29

SS06@1.5-2'
R307267-12 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/25/13 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	3073115	07/31/13	08/02/13	8015M	

Date Sampled: **07/25/13 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		94.0 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/25/13 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	3073114	07/31/13	08/01/13	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **07/25/13 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		106 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		101 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.2 %	21-167		"	"	"	"	

Summit Scientific

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

Project: BNC - Moyer Unit 14-30 Release

Project Number: 0415-13001
Project Manager: Brian Dodek

Reported:
08/27/13 16:29

SS07@0-0.6'
R307267-13 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/25/13 13:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	2900	50	mg/kg	1	3073115	07/31/13	08/01/13	8015M	

Date Sampled: **07/25/13 13:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		109 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/25/13 13:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	3073114	07/31/13	08/01/13	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	1.9	0.50	"	"	"	"	"	"	

Date Sampled: **07/25/13 13:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		107 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.6 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		94.0 %	21-167		"	"	"	"	

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

Project: BNC - Moyer Unit 14-30 Release

Project Number: 0415-13001
Project Manager: Brian Dodek

Reported:
08/27/13 16:29

SS07@2-2.5'
R307267-14 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/25/13 13:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	3073115	07/31/13	08/02/13	8015M	

Date Sampled: **07/25/13 13:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		98.9 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/25/13 13:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	3073114	07/31/13	08/01/13	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	1.2	0.50	"	"	"	"	"	"	

Date Sampled: **07/25/13 13:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		108 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		97.9 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.2 %	21-167		"	"	"	"	

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

Date Sampled: **07/25/13 13:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	80.7	8.26	mg/kg dry	1	3082310	08/23/13	08/23/13	EPA 6020/Mod. USDA60 6(2, 3A)	

Summit Scientific

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

Project: BNC - Moyer Unit 14-30 Release

Project Number: 0415-13001
Project Manager: Brian Dodek

Reported:
08/27/13 16:29

SS07@2-2.5'
R307267-14 (Soil)

Summit Scientific

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Magnesium	17.7	4.13 mg/kg dry	1	3082310	08/23/13	08/23/13	EPA 6020/Mod. USDA60 6(2, 3A)		
Sodium	4.84	4.13	"	"	"	"	"	"	"

Date Sampled: 07/25/13 13:15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.130		units	"	3082309	08/23/13	08/26/13	"	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: 07/25/13 13:15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.134	0.0100 mmhos/cm	1	3082307	08/23/13	08/23/13	SM 2510B		

Date Sampled: 07/25/13 13:15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	9.13	0.100 pH Units	"	3082305	08/23/13	08/23/13	EPA 9045		

Date Sampled: 07/25/13 13:15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	97.3		%	"	3082604	08/26/13	08/26/13	% calculation	

Summit Scientific

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

Project: BNC - Moyer Unit 14-30 Release

Project Number: 0415-13001
Project Manager: Brian Dodek

Reported:
08/27/13 16:29

SS08@0-0.6'
R307267-15 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/25/13 13:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	3073115	07/31/13	08/02/13	8015M	

Date Sampled: **07/25/13 13:50**

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

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/25/13 13:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	3073114	07/31/13	08/01/13	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **07/25/13 13:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		83.5 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		72.8 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	21-167		"	"	"	"	

Summit Scientific

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Arvada CO, 80003

Project: BNC - Moyer Unit 14-30 Release

Project Number: 0415-13001
Project Manager: Brian Dodek

Reported:
08/27/13 16:29

SS08@1.5-2'
R307267-16 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/25/13 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	3073115	07/31/13	08/02/13	8015M	

Date Sampled: **07/25/13 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		95.7 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/25/13 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	3073114	07/31/13	08/01/13	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **07/25/13 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		148 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		103 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	21-167		"	"	"	"	

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Arvada CO, 80003

Project: BNC - Moyer Unit 14-30 Release

Project Number: 0415-13001
Project Manager: Brian Dodek

Reported:
08/27/13 16:29

SS09@0-0.6'
R307267-17 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/25/13 14:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	3073115	07/31/13	08/02/13	8015M	

Date Sampled: **07/25/13 14:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		104 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/25/13 14:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	3073114	07/31/13	08/01/13	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **07/25/13 14:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		132 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		84.7 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	21-167		"	"	"	"	

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Arvada CO, 80003

Project: BNC - Moyer Unit 14-30 Release

Project Number: 0415-13001
Project Manager: Brian Dodek

Reported:
08/27/13 16:29

SS09@1.5-2'
R307267-18 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/25/13 14:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	3073115	07/31/13	08/01/13	8015M	

Date Sampled: **07/25/13 14:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		86.9 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/25/13 14:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	3073114	07/31/13	08/01/13	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **07/25/13 14:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		84.8 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		70.5 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.2 %	21-167		"	"	"	"	

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Arvada CO, 80003

Project: BNC - Moyer Unit 14-30 Release

Project Number: 0415-13001
Project Manager: Brian Dodek

Reported:
08/27/13 16:29

SS10@0-0.6'
R307267-19 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/25/13 14:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	3073115	07/31/13	08/01/13	8015M	

Date Sampled: **07/25/13 14:15**

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

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/25/13 14:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	3073114	07/31/13	08/01/13	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **07/25/13 14:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		131 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		81.4 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	21-167		"	"	"	"	

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

Date Sampled: **07/25/13 14:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	27.1	7.57	mg/kg dry	1	3082310	08/23/13	08/23/13	EPA 6020/Mod. USDA60 6(2, 3A)	

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Project: BNC - Moyer Unit 14-30 Release

Project Number: 0415-13001
Project Manager: Brian Dodek

Reported:
08/27/13 16:29

SS10@0-0.6'
R307267-19 (Soil)

Summit Scientific

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

Analyte	Result	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Magnesium	9.13	3.79 mg/kg dry	1	3082310	08/23/13	08/23/13	EPA 6020/Mod. USDA60 6(2, 3A)	
Sodium	ND	3.79 "	"	"	"	"	"	

Date Sampled: **07/25/13 14:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.0500		units	"	3082309	08/23/13	08/26/13	"	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **07/25/13 14:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.0738	0.0100 mmhos/cm		1	3082307	08/23/13	08/23/13	SM 2510B	

Date Sampled: **07/25/13 14:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	9.16	0.100 pH Units		"	3082305	08/23/13	08/23/13	EPA 9045	

Date Sampled: **07/25/13 14:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	98.1		%	"	3082604	08/26/13	08/26/13	% calculation	

Summit Scientific

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Project: BNC - Moyer Unit 14-30 Release

Project Number: 0415-13001
Project Manager: Brian Dodek

Reported:
08/27/13 16:29

SS10@1.5-2'
R307267-20 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 07/25/13 14:20

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	3073115	07/31/13	08/02/13	8015M	

Date Sampled: 07/25/13 14:20

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		86.7 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 07/25/13 14:20

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	3073114	07/31/13	08/01/13	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: 07/25/13 14:20

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		122 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		106 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	21-167		"	"	"	"	

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 Arvada CO, 80003

Project: BNC - Moyer Unit 14-30 Release

Project Number: 0415-13001
 Project Manager: Brian Dodek

Reported:
 08/27/13 16:29

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 3073115 - EPA 3550A

Blank (3073115-BLK1)

Prepared: 07/31/13 Analyzed: 08/01/13

C10-C28 (DRO) ND 50 mg/kg

LCS (3073115-BS1)

Prepared: 07/31/13 Analyzed: 08/01/13

C10-C28 (DRO) 544 50 mg/kg 501 109 73-134

LCS Dup (3073115-BSD1)

Prepared: 07/31/13 Analyzed: 08/01/13

C10-C28 (DRO) 542 50 mg/kg 501 108 73-134 0.402 11

Matrix Spike (3073115-MS1)

Source: R307267-01

Prepared: 07/31/13 Analyzed: 08/01/13

C10-C28 (DRO) 530 50 mg/kg 501 ND 106 50-148

Matrix Spike Dup (3073115-MSD1)

Source: R307267-01

Prepared: 07/31/13 Analyzed: 08/01/13

C10-C28 (DRO) 541 50 mg/kg 501 ND 108 50-148 2.04 13

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Project Manager: Brian Dodek

Reported:
08/27/13 16:29

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 3073114 - EPA 5030 Soil MS

Blank (3073114-BLK1)

Prepared: 07/31/13 Analyzed: 08/01/13

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	0.0436		"	0.0397	110	23-173				
Surrogate: Toluene-d8	0.0404		"	0.0400	101	20-170				
Surrogate: 4-Bromofluorobenzene	0.0385		"	0.0400	96.3	21-167				

LCS (3073114-BS1)

Prepared: 07/31/13 Analyzed: 08/01/13

Benzene	0.0873	0.0020	mg/kg	0.100	87.3	58-130				
Toluene	0.0930	0.0050	"	0.100	93.0	61-134				
Ethylbenzene	0.0949	0.0050	"	0.100	94.9	74-139				
m,p-Xylene	0.187	0.010	"	0.200	93.3	73-137				
o-Xylene	0.0969	0.0050	"	0.100	96.9	73-141				
Surrogate: 1,2-Dichloroethane-d4	0.0427		"	0.0397	108	23-173				
Surrogate: Toluene-d8	0.0409		"	0.0400	102	20-170				
Surrogate: 4-Bromofluorobenzene	0.0394		"	0.0400	98.6	21-167				

LCS Dup (3073114-BSD1)

Prepared: 07/31/13 Analyzed: 08/01/13

Benzene	0.0976	0.0020	mg/kg	0.100	97.6	58-130	11.1	13		
Toluene	0.100	0.0050	"	0.100	100	61-134	7.75	16		
Ethylbenzene	0.105	0.0050	"	0.100	105	74-139	9.69	12		
m,p-Xylene	0.205	0.010	"	0.200	102	73-137	9.32	14		
o-Xylene	0.105	0.0050	"	0.100	105	73-141	8.08	12		
Surrogate: 1,2-Dichloroethane-d4	0.0431		"	0.0397	109	23-173				
Surrogate: Toluene-d8	0.0404		"	0.0400	101	20-170				
Surrogate: 4-Bromofluorobenzene	0.0393		"	0.0400	98.2	21-167				

Summit Scientific

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4600 West 60th Avenue
Arvada CO, 80003

Project: BNC - Moyer Unit 14-30 Release

Project Number: 0415-13001
Project Manager: Brian Dodek

Reported:
08/27/13 16:29

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 3073114 - EPA 5030 Soil MS

Matrix Spike (3073114-MS1)	Source: R307267-09			Prepared: 07/31/13		Analyzed: 08/01/13				
Benzene	0.0905	0.0020	mg/kg	0.100	ND	90.5	30-131			
Toluene	0.0956	0.0050	"	0.100	ND	95.6	30-134			
Ethylbenzene	0.0940	0.0050	"	0.100	ND	94.0	22-153			
m,p-Xylene	0.183	0.010	"	0.200	ND	91.5	10-159			
o-Xylene	0.0937	0.0050	"	0.100	ND	93.7	31-151			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0435</i>		<i>"</i>	<i>0.0397</i>		<i>109</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0409</i>		<i>"</i>	<i>0.0400</i>		<i>102</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0380</i>		<i>"</i>	<i>0.0400</i>		<i>95.0</i>	<i>21-167</i>			

Matrix Spike Dup (3073114-MSD1)	Source: R307267-09			Prepared: 07/31/13		Analyzed: 08/01/13				
Benzene	0.0951	0.0020	mg/kg	0.100	ND	95.1	30-131	4.94	34	
Toluene	0.101	0.0050	"	0.100	ND	101	30-134	5.28	30	
Ethylbenzene	0.103	0.0050	"	0.100	ND	103	22-153	9.58	24	
m,p-Xylene	0.201	0.010	"	0.200	ND	101	10-159	9.65	68	
o-Xylene	0.101	0.0050	"	0.100	ND	101	31-151	7.46	38	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0439</i>		<i>"</i>	<i>0.0397</i>		<i>111</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0401</i>		<i>"</i>	<i>0.0400</i>		<i>100</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0386</i>		<i>"</i>	<i>0.0400</i>		<i>96.5</i>	<i>21-167</i>			

Summit Scientific

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Project: BNC - Moyer Unit 14-30 Release

Project Number: 0415-13001
Project Manager: Brian Dodek

Reported:
08/27/13 16:29

Soluble Nutrients by EPA 6020/Mod. 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		

Batch 3082310 - General Preparation

Blank (3082310-BLK1)

Prepared & Analyzed: 08/23/13

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

LCS (3082310-BS1)

Prepared & Analyzed: 08/23/13

Calcium	375	10.0	mg/kg wet	396	80.7	94.5	80-120		
Magnesium	173	5.00	"	199	87.2	87.2	80-120		
Sodium	522	5.00	"	496	105	105	80-120		

LCS Dup (3082310-BSD1)

Prepared & Analyzed: 08/23/13

Calcium	356	10.0	mg/kg wet	400	88.9	88.9	80-120	5.10	20
Magnesium	176	5.00	"	201	87.5	87.5	80-120	1.45	20
Sodium	525	5.00	"	501	105	105	80-120	0.564	20

Matrix Spike (3082310-MS1)

Source: R307267-14

Prepared & Analyzed: 08/23/13

Calcium	390	8.29	mg/kg dry	332	80.7	93.3	75-125		
Magnesium	162	4.14	"	166	17.7	86.7	75-125		
Sodium	451	4.14	"	415	4.84	107	75-125		

Matrix Spike Dup (3082310-MSD1)

Source: R307267-14

Prepared & Analyzed: 08/23/13

Calcium	380	8.28	mg/kg dry	332	80.7	90.1	75-125	2.72	25
Magnesium	153	4.14	"	166	17.7	81.2	75-125	5.79	25
Sodium	428	4.14	"	415	4.84	102	75-125	5.16	25

Summit Scientific

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Project: BNC - Moyer Unit 14-30 Release

Project Number: 0415-13001
Project Manager: Brian Dodek

Reported:
08/27/13 16:29

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

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

Batch 3082305 - General Preparation

LCS (3082305-BS1)					Prepared & Analyzed: 08/23/13						
pH	7.98	0.100	pH Units	8.00	99.8	0-200					
Duplicate (3082305-DUP1)					Source: R308185-01 Prepared & Analyzed: 08/23/13						
pH	9.01	0.100	pH Units	8.94			0.780		20		

Batch 3082307 - General Preparation

Blank (3082307-BLK1)					Prepared & Analyzed: 08/23/13						
Specific Conductance (EC)	ND	0.0100	mmhos/cm								
Duplicate (3082307-DUP1)					Source: R308185-01 Prepared & Analyzed: 08/23/13						
Specific Conductance (EC)	5.28	0.0100	mmhos/cm	5.76			8.88		20		

Batch 3082604 - General Preparation

Duplicate (3082604-DUP1)					Source: R307267-01 Prepared & Analyzed: 08/26/13						
% Solids	95.9		%	95.0			0.943		20		

Summit Scientific

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

Project: BNC - Moyer Unit 14-30 Release

Project Number: 0415-13001
Project Manager: Brian Dodek

Reported:
08/27/13 16:29

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

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

August 08, 2013

Brian Dodek

LT Environmental, Inc.

4600 West 60th Avenue

Arvada, CO 80003

RE: BNC - Moyer Unit 16-30 Release

Enclosed are the results of analyses for samples received by Summit Scientific on 08/01/13 17:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Joseph J Egry IV

Laboratory Director

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Summit Scientific is the sole authority for authorizing edits or modifications to this document. Unauthorized modification of this report is strictly prohibited.



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

Project: BNC - Moyer Unit 16-30 Release

Project Number: 0415-13001
Project Manager: Brian Dodek

Reported:
08/08/13 12:33

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS03@0-0.6'	R308008-01	Soil	08/01/13 11:00	08/01/13 17:00
SS03@1-1.5'	R308008-02	Soil	08/01/13 11:05	08/01/13 17:00

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

Project: BNC - Moyer Unit 16-30 Release

Project Number: 0415-13001
Project Manager: Brian Dodek

Reported:
08/08/13 12:33

SS03@0-0.6'
R308008-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **08/01/13 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	3080120	08/02/13	08/07/13	8015M	

Date Sampled: **08/01/13 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		92.7 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/01/13 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	3080119	08/02/13	08/02/13	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **08/01/13 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		105 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		99.8 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.6 %	21-167		"	"	"	"	

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

Date Sampled: **08/01/13 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: BNC - Moyer Unit 16-30 Release

Project Number: 0415-13001
Project Manager: Brian Dodek

Reported:
08/08/13 12:33

SS03@0-0.6'
R308008-01 (Soil)

Summit Scientific

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

Analyte	Result	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	144	10.7 mg/kg dry	1	3080603	08/06/13	08/06/13	EPA 6020/Mod. USDA60 6(2, 3A)	
Magnesium	34.5	5.33 "	"	"	"	"	"	
Sodium	10.4	5.33 "	"	"	"	"	"	

Date Sampled: **08/01/13 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.200		units	"	3080717	08/07/13	08/07/13	"	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **08/01/13 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.106	0.00100	mmhos/cm	1	3080710	08/07/13	08/07/13	SM 2510B	

Date Sampled: **08/01/13 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.87	0.100	pH Units	"	3080709	08/07/13	08/07/13	EPA 9045	

Date Sampled: **08/01/13 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	93.8		%	"	3080708	08/07/13	08/07/13	% calculation	

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

Project: BNC - Moyer Unit 16-30 Release

Project Number: 0415-13001
Project Manager: Brian Dodek

Reported:
08/08/13 12:33

SS03@1-1.5'
R308008-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **08/01/13 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	3080120	08/02/13	08/07/13	8015M	

Date Sampled: **08/01/13 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		85.4 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/01/13 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	3080119	08/02/13	08/02/13	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **08/01/13 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		108 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		99.5 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.6 %	21-167		"	"	"	"	

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

Date Sampled: **08/01/13 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	42.0	10.6	mg/kg dry	1	3080603	08/06/13	08/06/13	EPA 6020/Mod. USDA60 6(2, 3A)	

Summit Scientific

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

Project: BNC - Moyer Unit 16-30 Release

Project Number: 0415-13001
Project Manager: Brian Dodek

Reported:
08/08/13 12:33

SS03@1-1.5'
R308008-02 (Soil)

Summit Scientific

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Magnesium	15.2	5.30	mg/kg dry	1	3080603	08/06/13	08/06/13	EPA 6020/Mod. USDA60 6(2, 3A)	
Sodium	8.52	5.30	"	"	"	"	"	"	

Date Sampled: 08/01/13 11:05

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.290		units	"	3080717	08/07/13	08/07/13	"	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: 08/01/13 11:05

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.0680	0.00100	mmhos/cm	1	3080808	08/08/13	08/08/13	SM 2510B	

Date Sampled: 08/01/13 11:05

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.79	0.100	pH Units	"	3080709	08/07/13	08/07/13	EPA 9045	

Date Sampled: 08/01/13 11:05

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	94.4		%	"	3080708	08/07/13	08/07/13	% calculation	

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

Project: BNC - Moyer Unit 16-30 Release

Project Number: 0415-13001
Project Manager: Brian Dodek

Reported:
08/08/13 12:33

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 3080120 - EPA 3550A

Blank (3080120-BLK1)			Prepared: 08/01/13 Analyzed: 08/02/13							
C10-C28 (DRO)	ND	50	mg/kg							
Blank (3080120-BLK2)			Prepared: 08/01/13 Analyzed: 08/02/13							
C10-C28 (DRO)	ND	50	mg/kg							
LCS (3080120-BS1)			Prepared: 08/01/13 Analyzed: 08/02/13							
C10-C28 (DRO)	563	50	mg/kg	501		112	73-134			
LCS (3080120-BS2)			Prepared: 08/01/13 Analyzed: 08/02/13							
C10-C28 (DRO)	516	50	mg/kg	501		103	73-134			
LCS Dup (3080120-BSD1)			Prepared: 08/01/13 Analyzed: 08/02/13							
C10-C28 (DRO)	527	50	mg/kg	501		105	73-134	6.62	11	
LCS Dup (3080120-BSD2)			Prepared: 08/01/13 Analyzed: 08/02/13							
C10-C28 (DRO)	518	50	mg/kg	501		103	73-134	0.273	11	
Matrix Spike (3080120-MS1)			Source: R307303-01		Prepared: 08/01/13 Analyzed: 08/02/13					
C10-C28 (DRO)	596	50	mg/kg	501	ND	119	50-148			
Matrix Spike (3080120-MS2)			Source: R307303-02		Prepared: 08/01/13 Analyzed: 08/02/13					
C10-C28 (DRO)	577	50	mg/kg	501	ND	115	50-148			
Matrix Spike Dup (3080120-MSD1)			Source: R307303-01		Prepared: 08/01/13 Analyzed: 08/02/13					
C10-C28 (DRO)	605	50	mg/kg	501	ND	121	50-148	1.53	13	
Matrix Spike Dup (3080120-MSD2)			Source: R307303-02		Prepared: 08/01/13 Analyzed: 08/02/13					
C10-C28 (DRO)	517	50	mg/kg	501	ND	103	50-148	11.0	13	

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

Project: BNC - Moyer Unit 16-30 Release

Project Number: 0415-13001
Project Manager: Brian Dodek

Reported:
08/08/13 12:33

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		

Batch 3080119 - EPA 5030 Soil MS

Blank (3080119-BLK1)

Prepared & Analyzed: 08/02/13

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	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0432</i>		<i>"</i>	<i>0.0397</i>		<i>109</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0385</i>		<i>"</i>	<i>0.0400</i>		<i>96.2</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0407</i>		<i>"</i>	<i>0.0400</i>		<i>102</i>	<i>21-167</i>			

Blank (3080119-BLK2)

Prepared & Analyzed: 08/02/13

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	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0449</i>		<i>"</i>	<i>0.0397</i>		<i>113</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>0.0412</i>		<i>"</i>	<i>0.0400</i>		<i>103</i>	<i>21-167</i>			

LCS (3080119-BS1)

Prepared & Analyzed: 08/02/13

Benzene	0.0730	0.0020	mg/kg	0.0800		91.2	58-130			
Toluene	0.0775	0.0050	"	0.0800		96.9	61-134			
Ethylbenzene	0.0807	0.0050	"	0.0800		101	74-139			
m,p-Xylene	0.163	0.010	"	0.160		102	73-137			
o-Xylene	0.0804	0.0050	"	0.0800		101	73-141			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0442</i>		<i>"</i>	<i>0.0397</i>		<i>111</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0384</i>		<i>"</i>	<i>0.0400</i>		<i>96.0</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0403</i>		<i>"</i>	<i>0.0400</i>		<i>101</i>	<i>21-167</i>			

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

Project: BNC - Moyer Unit 16-30 Release

Project Number: 0415-13001
Project Manager: Brian Dodek

Reported:
08/08/13 12:33

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 3080119 - EPA 5030 Soil MS

LCS (3080119-BS2)

Prepared & Analyzed: 08/02/13

Benzene	0.0716	0.0020	mg/kg	0.0800	89.5	58-130			
Toluene	0.0759	0.0050	"	0.0800	94.9	61-134			
Ethylbenzene	0.0778	0.0050	"	0.0800	97.2	74-139			
m,p-Xylene	0.157	0.010	"	0.160	98.3	73-137			
o-Xylene	0.0776	0.0050	"	0.0800	97.0	73-141			
Surrogate: 1,2-Dichloroethane-d4	0.0446		"	0.0397	112	23-173			
Surrogate: Toluene-d8	0.0386		"	0.0400	96.6	20-170			
Surrogate: 4-Bromofluorobenzene	0.0404		"	0.0400	101	21-167			

LCS Dup (3080119-BSD1)

Prepared & Analyzed: 08/02/13

Benzene	0.0628	0.0020	mg/kg	0.0800	78.5	58-130	15.0	13
Toluene	0.0673	0.0050	"	0.0800	84.1	61-134	14.2	16
Ethylbenzene	0.0695	0.0050	"	0.0800	86.8	74-139	15.0	12
m,p-Xylene	0.141	0.010	"	0.160	87.9	73-137	14.7	14
o-Xylene	0.0689	0.0050	"	0.0800	86.1	73-141	15.4	12
Surrogate: 1,2-Dichloroethane-d4	0.0433		"	0.0397	109	23-173		
Surrogate: Toluene-d8	0.0387		"	0.0400	96.7	20-170		
Surrogate: 4-Bromofluorobenzene	0.0400		"	0.0400	99.9	21-167		

LCS Dup (3080119-BSD2)

Prepared & Analyzed: 08/02/13

Benzene	0.0615	0.0020	mg/kg	0.0800	76.9	58-130	15.1	13
Toluene	0.0650	0.0050	"	0.0800	81.3	61-134	15.5	16
Ethylbenzene	0.0677	0.0050	"	0.0800	84.6	74-139	13.8	12
m,p-Xylene	0.137	0.010	"	0.160	85.5	73-137	13.9	14
o-Xylene	0.0682	0.0050	"	0.0800	85.2	73-141	12.9	12
Surrogate: 1,2-Dichloroethane-d4	0.0393		"	0.0397	99.0	23-173		
Surrogate: Toluene-d8	0.0387		"	0.0400	96.8	20-170		
Surrogate: 4-Bromofluorobenzene	0.0388		"	0.0400	96.9	21-167		

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

Project: BNC - Moyer Unit 16-30 Release

Project Number: 0415-13001
Project Manager: Brian Dodek

Reported:
08/08/13 12:33

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 3080119 - EPA 5030 Soil MS

Matrix Spike (3080119-MS1)		Source: R308008-01			Prepared & Analyzed: 08/02/13						
Benzene	0.0780	0.0020	mg/kg	0.0800	ND	97.5	30-131				
Toluene	0.0835	0.0050	"	0.0800	ND	104	30-134				
Ethylbenzene	0.0862	0.0050	"	0.0800	ND	108	22-153				
m,p-Xylene	0.173	0.010	"	0.160	ND	108	10-159				
o-Xylene	0.0860	0.0050	"	0.0800	ND	108	31-151				
Surrogate: 1,2-Dichloroethane-d4	0.0446		"	0.0397		112	23-173				
Surrogate: Toluene-d8	0.0388		"	0.0400		97.1	20-170				
Surrogate: 4-Bromofluorobenzene	0.0398		"	0.0400		99.6	21-167				

Matrix Spike (3080119-MS2)		Source: R308008-02			Prepared & Analyzed: 08/02/13						
Benzene	0.0782	0.0020	mg/kg	0.0800	ND	97.8	30-131				
Toluene	0.0828	0.0050	"	0.0800	ND	103	30-134				
Ethylbenzene	0.0866	0.0050	"	0.0800	ND	108	22-153				
m,p-Xylene	0.174	0.010	"	0.160	ND	109	10-159				
o-Xylene	0.0867	0.0050	"	0.0800	ND	108	31-151				
Surrogate: 1,2-Dichloroethane-d4	0.0446		"	0.0397		112	23-173				
Surrogate: Toluene-d8	0.0386		"	0.0400		96.6	20-170				
Surrogate: 4-Bromofluorobenzene	0.0403		"	0.0400		101	21-167				

Matrix Spike Dup (3080119-MSD1)		Source: R308008-01			Prepared & Analyzed: 08/02/13						
Benzene	0.0771	0.0020	mg/kg	0.0800	ND	96.3	30-131	1.20	34		
Toluene	0.0811	0.0050	"	0.0800	ND	101	30-134	2.95	30		
Ethylbenzene	0.0833	0.0050	"	0.0800	ND	104	22-153	3.47	24		
m,p-Xylene	0.169	0.010	"	0.160	ND	106	10-159	2.26	68		
o-Xylene	0.0830	0.0050	"	0.0800	ND	104	31-151	3.51	38		
Surrogate: 1,2-Dichloroethane-d4	0.0431		"	0.0397		109	23-173				
Surrogate: Toluene-d8	0.0385		"	0.0400		96.3	20-170				
Surrogate: 4-Bromofluorobenzene	0.0388		"	0.0400		97.0	21-167				

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

Project: BNC - Moyer Unit 16-30 Release

Project Number: 0415-13001
Project Manager: Brian Dodek

Reported:
08/08/13 12:33

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 3080119 - EPA 5030 Soil MS

Matrix Spike Dup (3080119-MSD2)	Source: R308008-02			Prepared & Analyzed: 08/02/13						
Benzene	0.0592	0.0020	mg/kg	0.0800	ND	74.0	30-131	27.6	34	
Toluene	0.0634	0.0050	"	0.0800	ND	79.2	30-134	26.5	30	
Ethylbenzene	0.0806	0.0050	"	0.0800	ND	101	22-153	7.18	24	
m,p-Xylene	0.130	0.010	"	0.160	ND	81.4	10-159	28.6	68	
o-Xylene	0.0650	0.0050	"	0.0800	ND	81.3	31-151	28.6	38	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0454</i>		<i>"</i>	<i>0.0397</i>		<i>114</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0386</i>		<i>"</i>	<i>0.0400</i>		<i>96.6</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0402</i>		<i>"</i>	<i>0.0400</i>		<i>100</i>	<i>21-167</i>			

Summit Scientific

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

Project: BNC - Moyer Unit 16-30 Release

Project Number: 0415-13001
Project Manager: Brian Dodek

Reported:
08/08/13 12:33

Soluble Nutrients by EPA 6020/Mod. 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 3080603 - General Preparation

Blank (3080603-BLK1)

Prepared & Analyzed: 08/06/13

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

LCS (3080603-BS1)

Prepared & Analyzed: 08/06/13

Calcium	379	10.0	mg/kg wet	383	45.2	99.7	75-125	2.68	25
Magnesium	201	5.00	"	192	30.7	106	75-125	3.35	25
Sodium	505	5.00	"	479	7.29	105	75-125	4.34	25

LCS Dup (3080603-BSD1)

Prepared & Analyzed: 08/06/13

Calcium	395	10.0	mg/kg wet	383	45.2	99.7	75-125	2.68	25
Magnesium	200	5.00	"	192	30.7	106	75-125	3.35	25
Sodium	500	5.00	"	479	7.29	105	75-125	4.34	25

Matrix Spike (3080603-MS1)

Source: R308007-02

Prepared & Analyzed: 08/06/13

Calcium	437	10.4	mg/kg dry	393	45.2	97.0	75-125	2.68	25
Magnesium	246	5.21	"	197	30.7	106	75-125	3.35	25
Sodium	544	5.21	"	492	7.29	105	75-125	4.34	25

Matrix Spike Dup (3080603-MSD1)

Source: R308007-02

Prepared & Analyzed: 08/06/13

Calcium	426	10.4	mg/kg dry	392	45.2	97.0	75-125	2.68	25
Magnesium	238	5.21	"	197	30.7	106	75-125	3.35	25
Sodium	521	5.21	"	491	7.29	105	75-125	4.34	25

Summit Scientific

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Reported:
08/08/13 12:33

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

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

Batch 3080708 - General Preparation

Duplicate (3080708-DUP1)	Source: R307313-01			Prepared & Analyzed: 08/07/13						
% Solids	95.0		%		85.8				10.2	20

Batch 3080709 - General Preparation

LCS (3080709-BS1)								Prepared & Analyzed: 08/07/13			
pH	8.03	0.100	pH Units	8.00	100	0-200					

Duplicate (3080709-DUP1)	Source: R307315-01			Prepared & Analyzed: 08/07/13						
pH	8.60	0.100	pH Units		8.57				0.349	20

Batch 3080710 - General Preparation

Duplicate (3080710-DUP1)	Source: R307315-01			Prepared & Analyzed: 08/07/13						
Specific Conductance (EC)	111	0.00100	mmhos/cm		112				1.08	20

Batch 3080808 - General Preparation

Duplicate (3080808-DUP1)	Source: R308008-02			Prepared & Analyzed: 08/08/13						
Specific Conductance (EC)	0.0545	0.00100	mmhos/cm		0.0680				22.1	20

Summit Scientific

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

Project: BNC - Moyer Unit 16-30 Release

Project Number: 0415-13001
Project Manager: Brian Dodek

Reported:
08/08/13 12:33

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