



Encana Oil & Gas (USA) Inc.
370 17th Street, Suite 1700
Denver, CO 80202
Phone: (303) 623-2300
Fax: (303) 623-2400
www.encana.com

January 12, 2012

Mr. Bob Chesson
Department of Natural Resources
Colorado Oil and Gas Conservation Commission
1120 Lincoln Street, Suite 801
Denver, Colorado 80203-2136

Remediation #4082

**RE: Remediation Activity Summary Report
Brown C Unit #2 Tank Battery
API 05-123-18575
NWNW Section 5, T1N R68W 6PM
40.085008, -105.033419
Weld County, Colorado**

Dear Mr. Chesson:

Attached is the Remediation Activity Summary Report for the Brown C Unit #2 Tank Battery. This report details the remediation activities conducted at the site. Please contact the Encana Oil & Gas Environmental Department at (303) 774-3962 if you have any questions or require additional information.

Sincerely,

Matthew Harrison
Environmental Coordinator
Encana Oil & Gas (USA) Inc.

Attachments:

Remediation Activity Summary Report – Brown C Unit #2 Tank Battery



January 11, 2012

Mr. Matthew Harrison
Environmental Coordinator
Encana Oil & Gas (USA) Inc.
3601 Stagecoach Road North
Longmont, Colorado 80504

**RE: Remediation Activity Summary Report
Encana Oil & Gas (USA) Inc.
Brown C Unit #2 Tank Battery
API 05-123-18575
NWNW 5-T1N-R68W 6PM
40.085008/-105.033419
Weld County, Colorado**

Dear Mr. Harrison:

LT Environmental, Inc. (LTE), under the direction of Encana Oil & Gas (USA) Inc. (Encana), conducted environmental remediation and sampling activities following the identification of petroleum hydrocarbon impact in soil at the Brown C Unit #2 Tank Battery (Site). The Site is located 0.2 miles southwest of the intersection of County Road 3 ¼ and Highway 52, Weld County, Colorado (Figure 1).

Encana contractors excavated approximately 500 cubic yards of impacted soil, which was transported for disposal to Denver Regional Landfill in Erie, Colorado. The total extent of the excavation was approximately 28 feet east-west by 48 feet north-south to an average depth of 10 feet below ground surface (bgs). Clean soil was brought in to backfill the excavation and an amendment was applied to mitigate any recalcitrant impacted groundwater.

On December 8, 2011, LTE personnel were on site to oversee excavation activities, field screen soil, document site activities, conduct health and safety monitoring, apply the groundwater amendment and collect confirmation samples for laboratory analysis. Soil samples were collected from the impacted interval along the sidewalls of the excavation. Each sample was field screened for volatile organic compounds with a photo-ionization detector to determine if additional excavation was required. Once field screening indicated impacted soil had been excavated, confirmation samples were collected and submitted to an analytical laboratory.

Six composite soil samples were collected from the excavation sidewalls and floor and then submitted to Summit Scientific of Golden, Colorado. Soil samples were submitted for 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 for analysis of TPH-diesel range organics (DRO) by EPA Modified Method 8015.

The Colorado Oil and Gas Conservation Commission (COGCC) cleanup standards for BTEX in soil are 0.17 milligrams per kilogram (mg/kg), 85 mg/kg, 100 mg/kg, and 175 mg/kg, respectively. The COGCC standard for TPH in soil is 500 mg/kg.

Soil analytical results indicated all samples were in compliance with the COGCC standards. The soil analytical results are summarized in Table 1. The laboratory analytical report is included as Attachment 1.

Per the excavation work conducted at the Site, all impacted soil exceeding state cleanup standards has been removed from the Site, and a groundwater amendment has been applied to impacted groundwater interval. Excavation floor samples were not collected as the impact extended to the saturated zone. Saturated zone impacts will be evaluated through future monitoring well installation and sampling. LTE recommends post-excavation groundwater monitoring activities be conducted at the Site to document the performance of remediation activities and ensure protection of the public health and environment.

Post-excavation groundwater monitoring will be conducted quarterly with the goal of observing four consecutive quarters with analytical results in compliance with Colorado Department of Public Health and Environment-Water Quality Control Commission Regulation 41. Results will be presented in subsequent monitoring reports.

Sincerely,

LT ENVIRONMENTAL, INC.



Liz Houle, E.I.T.
Staff Engineer



Daniel Burns
Project Manager

Attachments:

Figure 1 – Site Location Map

Figure 2 – Site Map

Table 1 – Soil Analytical Results

Attachment 1 – Laboratory Analytical Report

FIGURES

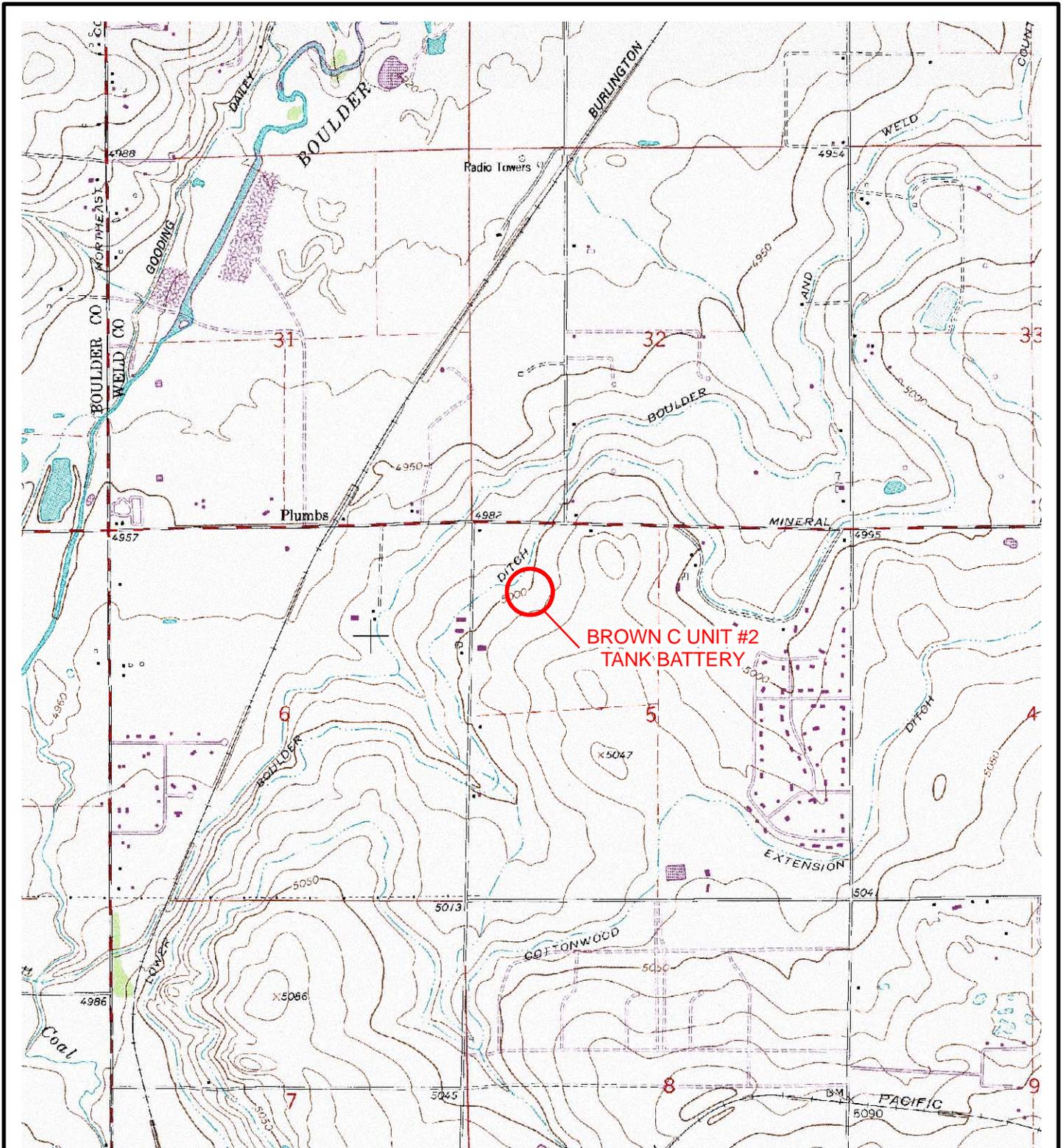


IMAGE COURTESY OF USDA/NRCS, VARIOUS DATES

LEGEND

 SITE LOCATION

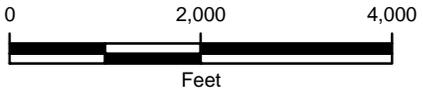


FIGURE 1
SITE LOCATION MAP
BROWN C UNIT #2 TANK BATTERY
WELD COUNTY, COLORADO

ENCANA OIL & GAS (USA) INC.





IMAGE COURTESY OF GOOGLE EARTH, 04/30/2006

LEGEND

- SIDEWALL COMPOSITE SAMPLE
- WELLHEAD
- ↑ ESTIMATED GROUNDWATER FLOW DIRECTION
- CURRENT INFRASTRUCTURE
- GAS SALES LINE
- - - EXCAVATION EXTENT
- AST: ABOVEGROUND STORAGE TANK
- ECD: EMISSION CONTROL DEVICE

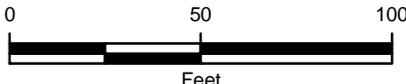


FIGURE 2
SITE MAP
 BROWN C UNIT #2 TANK BATTERY
 WELD COUNTY, COLORADO

ENCANA OIL & GAS (USA) INC.



TABLE

TABLE 1

**SOIL ANALYTICAL RESULTS
BROWN C UNIT #2 TANK BATTERY
WELD COUNTY, COLORADO
ENCANA OIL & GAS (USA) INC.**

Soil Sample	Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	TPH (mg/kg)
SS01	12/8/2011	<0.0050	<0.0050	<0.0050	0.013	<0.50	<50	<50.50
SS02	12/8/2011	<0.0050	<0.0050	<0.0050	<0.0050	<0.50	<50	<50.50
SS03	12/8/2011	<0.0050	<0.0050	<0.0050	<0.0050	<0.50	<50	<50.50
SS04	12/8/2011	<0.0050	<0.0050	<0.0050	<0.0050	0.73	<50	0.73
SS05	12/8/2011	<0.0050	<0.0050	<0.0050	0.018	0.67	<50	0.67
SS06	12/8/2011	<0.0050	<0.0050	<0.0050	0.027	0.50	<50	0.50
COGCC Table 910-1		0.17	85	100	175	--	--	500

NOTES:

mg/kg - milligrams per kilogram

GRO - gasoline range organics analyzed by EPA Method 8260B

DRO - diesel range organics analyzed by EPA Modified Method 8015

TPH - total petroleum hydrocarbons

COGCC - Colorado Oil and Gas Conservation Commission

< - indicates result is less than the stated laboratory reporting limit

Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260B

TPH is sum of GRO and DRO

ATTACHMENT 1
LABORATORY ANALYTICAL REPORT

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

December 09, 2011

Daniel Burns
LT Environmental, Inc.
4600 West 60th Avenue
Arvada, CO 80003
RE: ENC - Brown C Unit #2

Enclosed are the results of analyses for samples received by Summit Scientific on 12/08/11 17:00. 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: ENC - Brown C Unit #2

Project Number: 0334-11099
Project Manager: Daniel Burns

Reported:
12/09/11 07:39

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS01	R112043-01	Soil	12/08/11 10:00	12/08/11 17:00
SS02	R112043-02	Soil	12/08/11 10:05	12/08/11 17:00
SS03	R112043-03	Soil	12/08/11 10:10	12/08/11 17:00
SS04	R112043-04	Soil	12/08/11 10:15	12/08/11 17:00
SS05	R112043-05	Soil	12/08/11 10:20	12/08/11 17:00
SS06	R112043-06	Soil	12/08/11 10:25	12/08/11 17:00

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: ENC - Brown C Unit #2

Project Number: 0334-11099
Project Manager: Daniel Burns

Reported:
12/09/11 07:39

SS01
R112043-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 12/08/11 10:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1120811	12/08/11	12/08/11	8015 Full Carbon Chain	

Date Sampled: 12/08/11 10:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		105 %	88.8-124		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 12/08/11 10:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0050	mg/kg	1	1120810	12/08/11	12/08/11	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.013	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: 12/08/11 10:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		95.8 %	67.4-143		"	"	"	"	
Surrogate: Toluene-d8		98.7 %	77.3-114		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.9 %	78.4-125		"	"	"	"	

Summit Scientific

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

Project: ENC - Brown C Unit #2

Project Number: 0334-11099
Project Manager: Daniel Burns

Reported:
12/09/11 07:39

SS02
R112043-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 12/08/11 10:05

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1120811	12/08/11	12/08/11	8015 Full Carbon Chain	

Date Sampled: 12/08/11 10:05

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		105 %	88.8-124		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 12/08/11 10:05

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0050	mg/kg	1	1120810	12/08/11	12/08/11	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: 12/08/11 10:05

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		95.0 %	67.4-143		"	"	"	"	
Surrogate: Toluene-d8		98.8 %	77.3-114		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.1 %	78.4-125		"	"	"	"	

Summit Scientific

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

Project: ENC - Brown C Unit #2

Project Number: 0334-11099
Project Manager: Daniel Burns

Reported:
12/09/11 07:39

SS03
R112043-03 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 12/08/11 10:10

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1120811	12/08/11	12/08/11	8015 Full Carbon Chain	

Date Sampled: 12/08/11 10:10

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		103 %	88.8-124		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 12/08/11 10:10

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0050	mg/kg	1	1120810	12/08/11	12/08/11	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: 12/08/11 10:10

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		94.6 %	67.4-143		"	"	"	"	
Surrogate: Toluene-d8		97.6 %	77.3-114		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.4 %	78.4-125		"	"	"	"	

Summit Scientific

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

Project: ENC - Brown C Unit #2

Project Number: 0334-11099
Project Manager: Daniel Burns

Reported:
12/09/11 07:39

SS04
R112043-04 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 12/08/11 10:15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1120811	12/08/11	12/08/11	8015 Full Carbon Chain	

Date Sampled: 12/08/11 10:15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		106 %	88.8-124		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 12/08/11 10:15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0050	mg/kg	1	1120810	12/08/11	12/08/11	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	0.73	0.50	"	"	"	"	"	"	

Date Sampled: 12/08/11 10:15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		94.4 %	67.4-143		"	"	"	"	
Surrogate: Toluene-d8		97.1 %	77.3-114		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.6 %	78.4-125		"	"	"	"	

Summit Scientific

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

Project: ENC - Brown C Unit #2

Project Number: 0334-11099
Project Manager: Daniel Burns

Reported:
12/09/11 07:39

SS05
R112043-05 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 12/08/11 10:20

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1120811	12/08/11	12/08/11	8015 Full Carbon Chain	

Date Sampled: 12/08/11 10:20

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		102 %	88.8-124		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 12/08/11 10:20

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0050	mg/kg	1	1120810	12/08/11	12/08/11	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.018	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	0.67	0.50	"	"	"	"	"	"	

Date Sampled: 12/08/11 10:20

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		96.2 %	67.4-143		"	"	"	"	
Surrogate: Toluene-d8		98.9 %	77.3-114		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.7 %	78.4-125		"	"	"	"	

Summit Scientific

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

Project: ENC - Brown C Unit #2

Project Number: 0334-11099
Project Manager: Daniel Burns

Reported:
12/09/11 07:39

SS06
R112043-06 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 12/08/11 10:25

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1120811	12/08/11	12/08/11	8015 Full Carbon Chain	

Date Sampled: 12/08/11 10:25

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		102 %	88.8-124		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 12/08/11 10:25

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0050	mg/kg	1	1120810	12/08/11	12/08/11	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.027	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	0.50	0.50	"	"	"	"	"	"	

Date Sampled: 12/08/11 10:25

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		99.4 %	67.4-143		"	"	"	"	
Surrogate: Toluene-d8		100 %	77.3-114		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.2 %	78.4-125		"	"	"	"	

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: ENC - Brown C Unit #2

Project Number: 0334-11099
Project Manager: Daniel Burns

Reported:
12/09/11 07:39

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch 1120811 - EPA 3550A

Blank (1120811-BLK1)				Prepared: 12/08/11		Analyzed: 12/09/11					
C10-C28 (DRO)	ND	50	mg/kg								
<i>Surrogate: o-Terphenyl</i>	12.5		"	12.5		99.7	88.8-124				
LCS (1120811-BS1)				Prepared: 12/08/11		Analyzed: 12/09/11					
C10-C28 (DRO)	526	50	mg/kg	501		105	81.4-129			9.26	
LCS Dup (1120811-BSD1)				Prepared: 12/08/11		Analyzed: 12/09/11					
C10-C28 (DRO)	495	50	mg/kg	501		98.9	81.4-129	6.09		9.26	
Matrix Spike (1120811-MS1)				Source: R112043-02		Prepared: 12/08/11		Analyzed: 12/09/11			
C10-C28 (DRO)	493	50	mg/kg	501	41.8	90.2	77.8-133			8.48	
Matrix Spike Dup (1120811-MSD1)				Source: R112043-02		Prepared: 12/08/11		Analyzed: 12/09/11			
C10-C28 (DRO)	480	50	mg/kg	501	41.8	87.5	77.8-133	2.71		8.48	

Summit Scientific

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

Project: ENC - Brown C Unit #2

Project Number: 0334-11099
Project Manager: Daniel Burns

Reported:
12/09/11 07:39

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 1120810 - EPA 5030 Soil MS

Blank (1120810-BLK1)

Prepared: 12/08/11 Analyzed: 12/09/11

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	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0361</i>		<i>"</i>	<i>0.0400</i>		<i>90.3</i>	<i>67.4-143</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0394</i>		<i>"</i>	<i>0.0400</i>		<i>98.4</i>	<i>77.3-114</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0380</i>		<i>"</i>	<i>0.0400</i>		<i>95.1</i>	<i>78.4-125</i>			

LCS (1120810-BS1)

Prepared: 12/08/11 Analyzed: 12/09/11

Benzene	0.0861	0.0050	mg/kg	0.100		86.1	61-139		11.1	
Toluene	0.0884	0.0050	"	0.100		88.4	64-132		10.9	
Ethylbenzene	0.0906	0.0050	"	0.100		90.6	68.7-135		20	
m,p-Xylene	0.184	0.010	"	0.200		91.8	70.4-129		20	
o-Xylene	0.0902	0.0050	"	0.100		90.2	66.9-126		20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0372</i>		<i>"</i>	<i>0.0400</i>		<i>92.9</i>	<i>67.4-143</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0393</i>		<i>"</i>	<i>0.0400</i>		<i>98.2</i>	<i>77.3-114</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0369</i>		<i>"</i>	<i>0.0400</i>		<i>92.2</i>	<i>78.4-125</i>			

LCS Dup (1120810-BSD1)

Prepared: 12/08/11 Analyzed: 12/09/11

Benzene	0.0869	0.0050	mg/kg	0.100		86.9	61-139	0.937	11.1	
Toluene	0.0893	0.0050	"	0.100		89.3	64-132	1.05	10.9	
Ethylbenzene	0.0897	0.0050	"	0.100		89.7	68.7-135	0.999	20	
m,p-Xylene	0.182	0.010	"	0.200		91.0	70.4-129	0.837	20	
o-Xylene	0.0895	0.0050	"	0.100		89.5	66.9-126	0.768	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0377</i>		<i>"</i>	<i>0.0400</i>		<i>94.3</i>	<i>67.4-143</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0397</i>		<i>"</i>	<i>0.0400</i>		<i>99.2</i>	<i>77.3-114</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0366</i>		<i>"</i>	<i>0.0400</i>		<i>91.4</i>	<i>78.4-125</i>			

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

Project: ENC - Brown C Unit #2

Project Number: 0334-11099
Project Manager: Daniel Burns

Reported:
12/09/11 07:39

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 1120810 - EPA 5030 Soil MS

Matrix Spike (1120810-MS1)	Source: R112043-02			Prepared: 12/08/11	Analyzed: 12/09/11						
Benzene	0.0871	0.0050	mg/kg	0.100	ND	87.1	42.9-137				17.9
Toluene	0.0896	0.0050	"	0.100	ND	89.6	42.6-130				11.9
Ethylbenzene	0.0878	0.0050	"	0.100	ND	87.8	39-133				20
m,p-Xylene	0.181	0.010	"	0.200	0.00426	88.2	34.7-134				20
o-Xylene	0.0890	0.0050	"	0.100	ND	89.0	41.3-126				20
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0404</i>		"	<i>0.0400</i>		<i>101</i>	<i>67.4-143</i>				
<i>Surrogate: Toluene-d8</i>	<i>0.0399</i>		"	<i>0.0400</i>		<i>99.8</i>	<i>77.3-114</i>				
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0377</i>		"	<i>0.0400</i>		<i>94.4</i>	<i>78.4-125</i>				

Matrix Spike Dup (1120810-MSD1)	Source: R112043-02			Prepared: 12/08/11	Analyzed: 12/09/11						
Benzene	0.0878	0.0050	mg/kg	0.100	ND	87.8	42.9-137	0.789			17.9
Toluene	0.0903	0.0050	"	0.100	ND	90.3	42.6-130	0.734			11.9
Ethylbenzene	0.0880	0.0050	"	0.100	ND	88.0	39-133	0.239			20
m,p-Xylene	0.181	0.010	"	0.200	0.00426	88.2	34.7-134	0.0332			20
o-Xylene	0.0891	0.0050	"	0.100	ND	89.1	41.3-126	0.0674			20
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0410</i>		"	<i>0.0400</i>		<i>102</i>	<i>67.4-143</i>				
<i>Surrogate: Toluene-d8</i>	<i>0.0400</i>		"	<i>0.0400</i>		<i>100</i>	<i>77.3-114</i>				
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0379</i>		"	<i>0.0400</i>		<i>94.6</i>	<i>78.4-125</i>				

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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

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