



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

February 7, 2012

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

**RE: Remediation Activity Summary Report
Miller 1, 2-17 Tank Battery
API 05-123-16647
SENE Section 17, T2N R67W 6PM
40.141161, -104.908313
Weld County, Colorado**

Dear Mr. Chesson:

Attached is the Remediation Activity Summary Report for the Miller 1, 2-17 Tank Battery. This report details the monitoring 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 – Miller 1,2-17 Tank Battery



February 7, 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.
Miller 1, 2-17 Tank Battery
API 05-123-16647
SENE 17-T2N-R67W 6PM
40.141161/-104.908313
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 Miller 1, 2-17 Tank Battery (Site). The Site is located 3/10 of a mile southwest of the intersection of County Road (CR) 22 and CR 17, Weld County, Colorado (Figure 1).

Encana contractors excavated impacted soil, which was transported for disposal to Denver Regional Landfill in Erie, Colorado. The total extent of the excavation was approximately 40 feet east-west by 45 feet north-south to a depth of 10 feet below ground surface (bgs). Approximately 650 cubic yards of impacted soil was excavated and disposed of accordingly. Clean soil was brought in to backfill the excavation and an amendment was applied to impacted groundwater.

On December 7, 9, and 12, 2011, LTE personnel were on site to oversee excavation activities, field screen soils, document site activities, conduct health and safety monitoring, apply groundwater amendment and collect confirmation samples for laboratory analysis. During remediation activities, soil staining was observed from ground surface to 9 feet bgs. Soil samples were collected from the impacted interval along the sidewalls and floor 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.

Ten composite soil samples and one groundwater sample were collected from the excavation sidewalls and floor (Figure 2) and then submitted to Summit Scientific of Golden, Colorado. Soil and groundwater samples were submitted for analysis of benzene, toluene, ethylbenzene, and total xylenes (BTEX) by United States Environmental Protection Agency (EPA) Method



8260B. Soil samples were also submitted for analysis of total petroleum hydrocarbons (TPH) as total volatile hydrocarbons-gasoline range organics (GRO) by EPA Modified Method 8260B and total extractable hydrocarbons-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 samples SS03, SS04, and FS01 exceeded the COGCC standard for TPH at concentrations of 2,400 mg/kg, 670 mg/kg, and 1,010 mg/kg, respectively. Following receipt of soil analytical results indicating exceedance of cleanup standards, additional excavation was conducted to the north to remove remaining impacted soil. Further excavation was also conducted at the base of the excavation until the static groundwater level was reached and all remaining impacted and unsaturated soil was removed. Additional sidewall point of compliance samples were collected, indicating impacted soil exceeding applicable cleanup standards had been removed. Prior to backfilling the excavation, a groundwater amendment was applied to the base of the excavation to mitigate any recalcitrant petroleum hydrocarbon impact in the saturated soil zone. All other samples were in compliance with the COGCC standards. The soil analytical results are summarized in Table 1. The laboratory analytical report is included in Attachment 1.

The Colorado Department of Public Health and Environment (CDPHE) Water Quality Control Commission (WQCC) has established Regulation 41 (Reg 41) - Basic Standards for Ground Water at 5.0 micrograms per liter ($\mu\text{g/L}$) for benzene, 560 $\mu\text{g/L}$ for toluene, 700 $\mu\text{g/L}$ for ethylbenzene, and 1,400 $\mu\text{g/L}$ for total xylenes.

Following excavation work, but prior to application of a groundwater amendment, grab sample GW01 was collected from the open excavation. Groundwater analytical results indicated that GW01 exceeded the CDPHE-WQCC Reg 41 for benzene and total xylenes at concentrations of 19 $\mu\text{g/L}$ and 1,700 $\mu\text{g/L}$, respectively. The groundwater analytical results are summarized in Table 2. The laboratory analytical report is included in Attachment 1.

Groundwater was observed at the Site at approximately 9 feet bgs. To reduce the potential for any further groundwater impact resulting from residual hydrocarbons, a groundwater amendment was applied to the base of the excavation after field screening measurements and confirmation sample analytical results demonstrated impacted soil was removed.

The groundwater remediation amendment applied to the excavation was comprised of activated carbon inoculated with electron acceptors (nitrate and sulfate) and nutrients (phosphorus and nitrogen) designed to biodegrade petroleum hydrocarbons. A total of 250 pounds of groundwater remediation amendment was applied to the base of the excavation. The material safety data sheet for the groundwater remediation amendment is included in Attachment 2.

Per the excavation work conducted at the Site, all soil impacted exceeding state cleanup standards has been removed from the Site. Due to the petroleum hydrocarbon impact in sample



GW01, LTE recommends post-excavation groundwater monitoring activities be conducted at the Site to document the performance of source removal 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 CDPHE-WQCC Reg 41. Results will be presented in subsequent monitoring reports.

Sincerely,

LT ENVIRONMENTAL, INC.

A handwritten signature in black ink that reads 'Liz Houle'.

Liz Houle, E.I.T.
Staff Engineer

A handwritten signature in black ink that reads 'D. Burns'.

Daniel Burns
Project Manager

Attachments:

Figure 1 – Site Location Map

Figure 2 – Site Map

Table 1 – Soil Analytical Results

Table 2 – Groundwater Analytical Results

Attachment 1 – Laboratory Analytical Reports

Attachment 2 – Material Safety Data Sheet

FIGURES

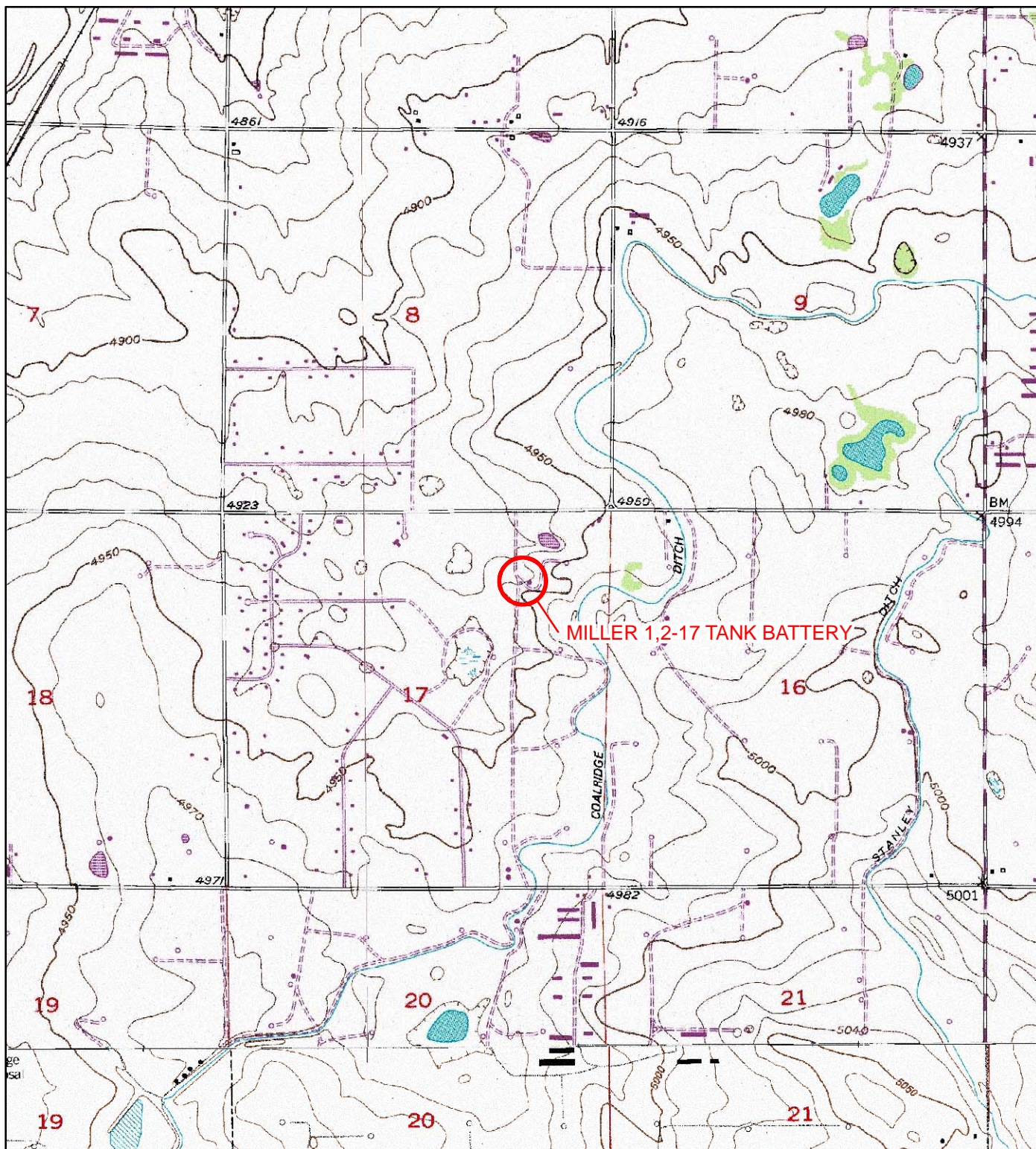


IMAGE COURTESY OF USDA/NRCS, VARIOUS DATES

LEGEND

○ SITE LOCATION

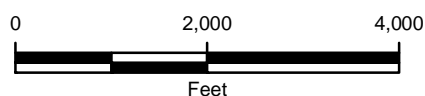


FIGURE 1
SITE LOCATION MAP
MILLER 1,2-17 TANK BATTERY
WELD COUNTY, COLORADO

ENCANA OIL & GAS (USA) INC.





IMAGE COURTESY OF GOOGLE EARTH, 05/04/2011

LEGEND

- SIDEWALL COMPOSITE SOIL SAMPLE
- ▲ FLOOR SOIL SAMPLE
- GROUNDWATER SAMPLE
- ✕ SUSPECTED RELEASE POINT
- ↑ ESTIMATED GROUNDWATER FLOW DIRECTION
- EXCAVATION EXTENT
- CURRENT INFRASTRUCTURE
- MACHII-ROSS INFRASTRUCTURE

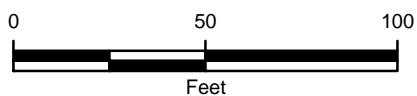


FIGURE 2
SITE MAP
 MILLER 1,2-17 TANK BATTERY
 WELD COUNTY, COLORADO

ENCANA OIL & GAS (USA) INC.



TABLES

TABLE 1

**SOIL ANALYTICAL RESULTS
MILLER 1, 2-17 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	12/7/2011	<0.0050	<0.0050	<0.0050	0.035	0.74	<50	0.74
SS02	12/7/2011	<0.0050	<0.0050	0.014	0.26	43	60	103
SS03	12/7/2011	0.10	0.040	2.0	41	1,400	1,000	2,400
SS04	12/7/2011	<0.0050	<0.0050	0.095	3.3	240	430	670
SS05	12/7/2011	<0.0050	<0.0050	0.0086	0.21	39	<50	39
SS06	12/9/2011	<0.0050	<0.0050	0.20	4.6	85	<50	85
SS07	12/9/2011	<0.0050	<0.0050	0.75	13	250	210	460
SS08	12/12/2011	<0.0050	<0.0050	0.030	0.77	18	80	98
SS09	12/12/2011	<0.0050	<0.0050	0.14	6.9	130	98	228
FS01	12/7/2011	0.034	<0.0050	2.2	26	630	380	1,010
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

BOLD - indicates result exceeds the applicable standard

< - 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

TABLE 2

**GROUNDWATER ANALYTICAL RESULTS
MILLER 1, 2-17 TANK BATTERY
WELD COUNTY, COLORADO
ENCANA OIL & GAS (USA) INC.**

Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
GW01	12/12/2011	19	10	4.7	1,700
CDPHE WQCC Reg 41		5	560	700	1,400

NOTES:

µg/L - micrograms per liter

BOLD - indicates result exceeds the applicable standard

CDPHE WQCC Reg 41 - Colorado Department of Public Health and Environment - Water Quality

Control Commission Regulation 41 covering Basic Standards for Ground Water

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

ATTACHMENT 1
LABORATORY ANALYTICAL REPORTS

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

December 08, 2011

Daniel Burns
LT Environmental, Inc.
4600 West 60th Avenue
Arvada, CO 80003
RE: ENC - Miller 1,2-17

Enclosed are the results of analyses for samples received by Summit Scientific on 12/07/11 17:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury For Ben Shrewsbury
President / Laboratory Director



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

Project: ENC - Miller 1,2-17

Project Number: 0334-
Project Manager: Daniel Burns

Reported:
12/08/11 07:19

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS01	R112032-01	Soil	12/07/11 13:00	12/07/11 17:00
SS02	R112032-02	Soil	12/07/11 13:05	12/07/11 17:00
SS03	R112032-03	Soil	12/07/11 13:10	12/07/11 17:00
SS04	R112032-04	Soil	12/07/11 13:45	12/07/11 17:00
SS05	R112032-05	Soil	12/07/11 13:50	12/07/11 17:00
FS01@9'	R112032-06	Soil	12/07/11 13:15	12/07/11 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 - Miller 1,2-17

Project Number: 0334-
Project Manager: Daniel Burns

Reported:
12/08/11 07:19

Summit Scientific 12/12/2012

S₂

741 Corporate Circle Suite 1 • Golden, Colorado 80401
303-277-9310 • 303-277-9331 Fax

Page 1 of 1

Client: LT Environmental, Inc.
Address: 4600 West 60th Avenue
City/State/Zip: Arvada, CO 80003
Phone: (303) 433-9788
Sampler Name: DB
Project Manager: Daniel Burns
E-Mail: dburns@ltenv.com
Project Name: Miller 1,2-17
Project Number: 0334-

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 #	Other (Specify)	DRO	ORO	GBTEX	BTEX		
S501	12/7/11	1300	1		X			X									
S502	12/7/11	1305	1		X			X									
S503	12/7/11	1310	1		X			X									
S504	12/7/11	1315	1		X			X									
S505	12/7/11	1320	1		X			X									
FS01 @ 9'	12/7/11	1315	1		X			X									
[Handwritten signature across row]																	
Notes:																	
Relinquished by: <u>DB</u>				Date/Time: <u>12/7/11 1545</u>				Received by: <u>DB</u>				Date/Time: <u>12/7/11 1545</u>				Turn Around Time (Check): <input checked="" type="checkbox"/> Same Day <input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 72 Hours <input type="checkbox"/> Standard	
Relinquished by:				Date/Time:				Received by:				Date/Time:				Sample Integrity: Temperature Upon Receipt: <u>5.2</u> Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Relinquished by:				Date/Time:				Received in Lab by:				Date/Time:					

www.s2scientific.com

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 - Miller 1,2-17

Project Number: 0334-
Project Manager: Daniel Burns

Reported:
12/08/11 07:19

SS01
R112032-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 12/07/11 13:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1120708	12/07/11	12/07/11	8015 Full Carbon Chain	

Date Sampled: 12/07/11 13:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		91.4 %	88.8-124		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 12/07/11 13:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0050	mg/kg	1	1120707	12/07/11	12/07/11	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.035	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	0.74	0.50	"	"	"	"	"	"	

Date Sampled: 12/07/11 13:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		108 %	67.4-143		"	"	"	"	
Surrogate: Toluene-d8		102 %	77.3-114		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.4 %	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 - Miller 1,2-17

Project Number: 0334-
Project Manager: Daniel Burns

Reported:
12/08/11 07:19

SS02
R112032-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 12/07/11 13:05

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	60	50	mg/kg	1	1120708	12/07/11	12/07/11	8015 Full Carbon Chain	

Date Sampled: 12/07/11 13:05

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		89.8 %	88.8-124		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 12/07/11 13:05

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0050	mg/kg	1	1120707	12/07/11	12/07/11	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.014	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.26	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	43	0.50	"	"	"	"	"	"	

Date Sampled: 12/07/11 13:05

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		111 %	67.4-143		"	"	"	"	
Surrogate: Toluene-d8		98.1 %	77.3-114		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		103 %	78.4-125		"	"	"	"	

Summit Scientific

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

Project: ENC - Miller 1,2-17

Project Number: 0334-
Project Manager: Daniel Burns

Reported:
12/08/11 07:19

SS03
R112032-03 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 12/07/11 13:10

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	1000	50	mg/kg	1	1120708	12/07/11	12/07/11	8015 Full Carbon Chain	

Date Sampled: 12/07/11 13:10

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		95.3 %	88.8-124		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 12/07/11 13:10

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	0.10	0.0050	mg/kg	1	1120707	12/07/11	12/07/11	EPA 8260B	
Toluene	0.040	0.0050	"	"	"	"	"	"	
Ethylbenzene	2.0	0.050	"	10	"	"	12/07/11	"	
Xylenes (total)	41	0.050	"	"	"	"	12/07/11	"	
Gasoline Range Hydrocarbons	1400	5.0	"	"	"	"	"	"	

Date Sampled: 12/07/11 13:10

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		103 %	67.4-143		"	"	"	"	
Surrogate: Toluene-d8		112 %	77.3-114		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.2 %	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 - Miller 1,2-17

Project Number: 0334-
Project Manager: Daniel Burns

Reported:
12/08/11 07:19

SS04
R112032-04 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 12/07/11 13:45

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	430	50	mg/kg	1	1120708	12/07/11	12/07/11	8015 Full Carbon Chain	

Date Sampled: 12/07/11 13:45

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		99.7 %	88.8-124		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 12/07/11 13:45

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0050	mg/kg	1	1120707	12/07/11	12/07/11	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.095	0.0050	"	"	"	"	"	"	
Xylenes (total)	3.3	0.050	"	10	"	"	"	"	
Gasoline Range Hydrocarbons	240	5.0	"	"	"	"	12/07/11	"	

Date Sampled: 12/07/11 13:45

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		107 %	67.4-143		"	"	12/07/11	"	
Surrogate: Toluene-d8		105 %	77.3-114		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		100 %	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 - Miller 1,2-17

Project Number: 0334-
Project Manager: Daniel Burns

Reported:
12/08/11 07:19

SS05
R112032-05 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 12/07/11 13:50

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1120708	12/07/11	12/07/11	8015 Full Carbon Chain	

Date Sampled: 12/07/11 13:50

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		96.4 %	88.8-124		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 12/07/11 13:50

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0050	mg/kg	1	1120707	12/07/11	12/07/11	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.0086	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.21	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	39	0.50	"	"	"	"	"	"	

Date Sampled: 12/07/11 13:50

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		114 %	67.4-143		"	"	"	"	
Surrogate: Toluene-d8		99.4 %	77.3-114		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.0 %	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 - Miller 1,2-17

Project Number: 0334-
Project Manager: Daniel Burns

Reported:
12/08/11 07:19

FS01@9'
R112032-06 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 12/07/11 13:15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	380	50	mg/kg	1	1120708	12/07/11	12/07/11	8015 Full Carbon Chain	

Date Sampled: 12/07/11 13:15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		98.4 %	88.8-124		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 12/07/11 13:15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	0.034	0.0050	mg/kg	1	1120707	12/07/11	12/07/11	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	2.2	0.050	"	10	"	"	12/07/11	"	
Xylenes (total)	26	0.050	"	"	"	"	"	"	E
Gasoline Range Hydrocarbons	630	5.0	"	"	"	"	"	"	

Date Sampled: 12/07/11 13:15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		98.9 %	67.4-143		"	"	12/07/11	"	
Surrogate: Toluene-d8		102 %	77.3-114		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	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 - Miller 1,2-17
Project Number: 0334-
Project Manager: Daniel Burns

Reported:
12/08/11 07:19

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch 1120708 - EPA 3550A

Blank (1120708-BLK1)

Prepared & Analyzed: 12/07/11

C10-C28 (DRO) ND 50 mg/kg

Surrogate: o-Terphenyl 12.4 " 12.5 99.0 88.8-124

LCS (1120708-BS1)

Prepared & Analyzed: 12/07/11

C10-C28 (DRO) 566 50 mg/kg 501 113 81.4-129 9.26

LCS Dup (1120708-BSD1)

Prepared & Analyzed: 12/07/11

C10-C28 (DRO) 552 50 mg/kg 501 110 81.4-129 2.39 9.26

Matrix Spike (1120708-MS1)

Source: R112032-01

Prepared: 12/07/11 Analyzed: 12/08/11

C10-C28 (DRO) 582 50 mg/kg 501 24.9 111 77.8-133 8.48

Matrix Spike Dup (1120708-MSD1)

Source: R112032-01

Prepared: 12/07/11 Analyzed: 12/08/11

C10-C28 (DRO) 550 50 mg/kg 501 24.9 105 77.8-133 5.66 8.48

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

Project: ENC - Miller 1,2-17
Project Number: 0334-
Project Manager: Daniel Burns

Reported:
12/08/11 07:19

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

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

Batch 1120707 - EPA 5030 Soil MS

Blank (1120707-BLK1)

Prepared: 12/07/11 Analyzed: 12/08/11

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	"							
Surrogate: 1,2-Dichloroethane-d4	0.0347		"	0.0400		86.8	67.4-143			
Surrogate: Toluene-d8	0.0391		"	0.0400		97.6	77.3-114			
Surrogate: 4-Bromofluorobenzene	0.0375		"	0.0400		93.7	78.4-125			

LCS (1120707-BS1)

Prepared: 12/07/11 Analyzed: 12/08/11

Benzene	0.0809	0.0050	mg/kg	0.100		80.9	61-139		11.1	
Toluene	0.0896	0.0050	"	0.100		89.6	64-132		10.9	
Ethylbenzene	0.0897	0.0050	"	0.100		89.7	68.7-135		20	
m,p-Xylene	0.186	0.010	"	0.200		93.0	70.4-129		20	
o-Xylene	0.0909	0.0050	"	0.100		90.9	66.9-126		20	
Surrogate: 1,2-Dichloroethane-d4	0.0332		"	0.0400		82.9	67.4-143			
Surrogate: Toluene-d8	0.0389		"	0.0400		97.4	77.3-114			
Surrogate: 4-Bromofluorobenzene	0.0379		"	0.0400		94.6	78.4-125			

LCS Dup (1120707-BSD1)

Prepared: 12/07/11 Analyzed: 12/08/11

Benzene	0.0846	0.0050	mg/kg	0.100		84.6	61-139	4.46	11.1	
Toluene	0.0886	0.0050	"	0.100		88.6	64-132	1.11	10.9	
Ethylbenzene	0.0886	0.0050	"	0.100		88.6	68.7-135	1.31	20	
m,p-Xylene	0.183	0.010	"	0.200		91.5	70.4-129	1.69	20	
o-Xylene	0.0892	0.0050	"	0.100		89.2	66.9-126	1.86	20	
Surrogate: 1,2-Dichloroethane-d4	0.0347		"	0.0400		86.8	67.4-143			
Surrogate: Toluene-d8	0.0391		"	0.0400		97.7	77.3-114			
Surrogate: 4-Bromofluorobenzene	0.0367		"	0.0400		91.7	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 - Miller 1,2-17

Project Number: 0334-
Project Manager: Daniel Burns

Reported:
12/08/11 07:19

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

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

Batch 1120707 - EPA 5030 Soil MS

Matrix Spike (1120707-MS1)		Source: R112032-01			Prepared: 12/07/11		Analyzed: 12/08/11			
Benzene	0.0858	0.0050	mg/kg	0.100	ND	85.8	42.9-137		17.9	
Toluene	0.0932	0.0050	"	0.100	0.00477	88.4	42.6-130		11.9	
Ethylbenzene	0.0903	0.0050	"	0.100	ND	90.3	39-133		20	
m,p-Xylene	0.205	0.010	"	0.200	0.0285	88.2	34.7-134		20	
o-Xylene	0.0953	0.0050	"	0.100	0.00654	88.8	41.3-126		20	
Surrogate: 1,2-Dichloroethane-d4	0.0368		"	0.0400		91.9	67.4-143			
Surrogate: Toluene-d8	0.0396		"	0.0400		98.9	77.3-114			
Surrogate: 4-Bromofluorobenzene	0.0371		"	0.0400		92.7	78.4-125			

Matrix Spike Dup (1120707-MSD1)		Source: R112032-01			Prepared: 12/07/11		Analyzed: 12/08/11			
Benzene	0.0831	0.0050	mg/kg	0.100	ND	83.1	42.9-137	3.13	17.9	
Toluene	0.0926	0.0050	"	0.100	0.00477	87.8	42.6-130	0.646	11.9	
Ethylbenzene	0.0885	0.0050	"	0.100	ND	88.5	39-133	2.08	20	
m,p-Xylene	0.209	0.010	"	0.200	0.0285	90.4	34.7-134	2.10	20	
o-Xylene	0.0960	0.0050	"	0.100	0.00654	89.5	41.3-126	0.690	20	
Surrogate: 1,2-Dichloroethane-d4	0.0367		"	0.0400		91.6	67.4-143			
Surrogate: Toluene-d8	0.0386		"	0.0400		96.5	77.3-114			
Surrogate: 4-Bromofluorobenzene	0.0371		"	0.0400		92.7	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 - Miller 1,2-17

Project Number: 0334-
Project Manager: Daniel Burns

Reported:
12/08/11 07:19

Notes and Definitions

E The concentration indicated for this analyte is an estimated value above the calibration range of the instrument.

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

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.

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

December 11, 2011

Daniel Burns
LT Environmental, Inc.
4600 West 60th Avenue
Arvada, CO 80003
RE: ENC - Miller 1,2-17

Enclosed are the results of analyses for samples received by Summit Scientific on 12/09/11 17:10. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury For Ben Shrewsbury
President / Laboratory Director



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

Project: ENC - Miller 1,2-17

Project Number: 0334-11100
Project Manager: Daniel Burns

Reported:
12/11/11 12:56

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS06	R112057-01	Soil	12/09/11 11:20	12/09/11 17:10
SS07	R112057-02	Soil	12/09/11 12:00	12/09/11 17:10

Summit Scientific

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

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 - Miller 1,2-17

Project Number: 0334-11100
Project Manager: Daniel Burns

Reported:
12/11/11 12:56

Summit Scientific
2112057

5

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303-277-9310 ♦ 303-277-9531 Fax

Page _____ of _____

Client: LT Environmental, Inc.

Address: 4600 West 60th Avenue

City/State/Zip: Arvada, CO 80003

Phone: (303) 433-9788

Sampler Name: VB

1997

Project Manager: Daniel Burns

E-Mail: dburns@tenv.com

Project Name: Millos 17-173

Project Name:	701161	6
Project Number:	037111100	

0011520

[illegible]

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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 - Miller 1,2-17

Project Number: 0334-11100
Project Manager: Daniel Burns

Reported:
12/11/11 12:56

SS06
R112057-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 12/09/11 11:20

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1120911	12/09/11	12/09/11	8015 Full Carbon Chain	

Date Sampled: 12/09/11 11:20

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

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 12/09/11 11:20

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0050	mg/kg	1	1120912	12/09/11	12/10/11	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.20	0.050	"	10	"	"	"	"	
Xylenes (total)	4.6	0.050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	85	5.0	"	"	"	"	"	"	

Date Sampled: 12/09/11 11:20

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		95.1 %	67.4-143		"	"	"	"	
Surrogate: Toluene-d8		105 %	77.3-114		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		116 %	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 - Miller 1,2-17

Project Number: 0334-11100
Project Manager: Daniel Burns

Reported:
12/11/11 12:56

SS07
R112057-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 12/09/11 12:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	210	50	mg/kg	1	1120911	12/09/11	12/10/11	8015 Full Carbon Chain	

Date Sampled: 12/09/11 12:00

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

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 12/09/11 12:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0050	mg/kg	1	1120912	12/09/11	12/10/11	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.75	0.050	"	10	"	"	"	"	
Xylenes (total)	13	0.050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	250	5.0	"	"	"	"	"	"	

Date Sampled: 12/09/11 12:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		95.7 %	67.4-143		"	"	"	"	
Surrogate: Toluene-d8		113 %	77.3-114		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		200 %	78.4-125		"	"	"	"	S-02

Summit Scientific

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

Project: ENC - Miller 1,2-17

Project Number: 0334-11100
Project Manager: Daniel Burns

Reported:
12/11/11 12:56

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch 1120911 - EPA 3550A

Blank (1120911-BLK1)

Prepared: 12/09/11 Analyzed: 12/10/11

C10-C28 (DRO) ND 50 mg/kg

Surrogate: o-Terphenyl 12.6 " 12.5 101 88.8-124

LCS (1120911-BS1)

Prepared: 12/09/11 Analyzed: 12/10/11

C10-C28 (DRO) 527 50 mg/kg 501 105 81.4-129 9.26

LCS Dup (1120911-BSD1)

Prepared: 12/09/11 Analyzed: 12/10/11

C10-C28 (DRO) 568 50 mg/kg 501 113 81.4-129 7.31 9.26

Matrix Spike (1120911-MS1)

Source: R112056-01

Prepared: 12/09/11 Analyzed: 12/10/11

C10-C28 (DRO) 503 50 mg/kg 501 34.4 93.6 77.8-133 8.48

Matrix Spike Dup (1120911-MSD1)

Source: R112056-01

Prepared: 12/09/11 Analyzed: 12/10/11

C10-C28 (DRO) 496 50 mg/kg 501 34.4 92.2 77.8-133 1.35 8.48

Summit Scientific

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

Project: ENC - Miller 1,2-17
Project Number: 0334-11100
Project Manager: Daniel Burns

Reported:
12/11/11 12:56

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

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

Batch 1120912 - EPA 5030 Soil MS

Blank (1120912-BLK1)

Prepared: 12/09/11 Analyzed: 12/10/11

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	"							
Surrogate: 1,2-Dichloroethane-d4	0.0373		"	0.0400	93.3	67.4-143				
Surrogate: Toluene-d8	0.0398		"	0.0400	99.4	77.3-114				
Surrogate: 4-Bromofluorobenzene	0.0416		"	0.0400	104	78.4-125				

LCS (1120912-BS1)

Prepared: 12/09/11 Analyzed: 12/10/11

Benzene	0.0944	0.0050	mg/kg	0.100	94.4	61-139		11.1		
Toluene	0.0886	0.0050	"	0.100	88.6	64-132		10.9		
Ethylbenzene	0.0922	0.0050	"	0.100	92.2	68.7-135		20		
m,p-Xylene	0.181	0.010	"	0.200	90.3	70.4-129		20		
o-Xylene	0.0906	0.0050	"	0.100	90.6	66.9-126		20		
Surrogate: 1,2-Dichloroethane-d4	0.0404		"	0.0400	101	67.4-143				
Surrogate: Toluene-d8	0.0402		"	0.0400	100	77.3-114				
Surrogate: 4-Bromofluorobenzene	0.0391		"	0.0400	97.6	78.4-125				

LCS Dup (1120912-BSD1)

Prepared: 12/09/11 Analyzed: 12/10/11

Benzene	0.0966	0.0050	mg/kg	0.100	96.6	61-139	2.29	11.1		
Toluene	0.0904	0.0050	"	0.100	90.4	64-132	2.01	10.9		
Ethylbenzene	0.0944	0.0050	"	0.100	94.4	68.7-135	2.32	20		
m,p-Xylene	0.185	0.010	"	0.200	92.6	70.4-129	2.54	20		
o-Xylene	0.0922	0.0050	"	0.100	92.2	66.9-126	1.84	20		
Surrogate: 1,2-Dichloroethane-d4	0.0374		"	0.0400	93.5	67.4-143				
Surrogate: Toluene-d8	0.0410		"	0.0400	103	77.3-114				
Surrogate: 4-Bromofluorobenzene	0.0405		"	0.0400	101	78.4-125				

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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 - Miller 1,2-17
Project Number: 0334-11100
Project Manager: Daniel Burns

Reported:
12/11/11 12:56

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

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

Batch 1120912 - EPA 5030 Soil MS

Matrix Spike (1120912-MS1)		Source: R112056-01			Prepared: 12/09/11		Analyzed: 12/10/11			
Benzene	0.101	0.0050	mg/kg	0.100	ND	101	42.9-137		17.9	
Toluene	0.0929	0.0050	"	0.100	ND	92.9	42.6-130		11.9	
Ethylbenzene	0.103	0.0050	"	0.100	ND	103	39-133		20	
m,p-Xylene	0.204	0.010	"	0.200	0.0407	81.4	34.7-134		20	
o-Xylene	0.0994	0.0050	"	0.100	0.00435	95.0	41.3-126		20	
Surrogate: 1,2-Dichloroethane-d4	0.0388		"	0.0400		97.0	67.4-143			
Surrogate: Toluene-d8	0.0423		"	0.0400		106	77.3-114			
Surrogate: 4-Bromofluorobenzene	0.0404		"	0.0400		101	78.4-125			
Matrix Spike Dup (1120912-MSD1)		Source: R112056-01			Prepared: 12/09/11		Analyzed: 12/10/11			
Benzene	0.0994	0.0050	mg/kg	0.100	ND	99.4	42.9-137	1.29	17.9	
Toluene	0.0916	0.0050	"	0.100	ND	91.6	42.6-130	1.50	11.9	
Ethylbenzene	0.0974	0.0050	"	0.100	ND	97.4	39-133	5.25	20	
m,p-Xylene	0.194	0.010	"	0.200	0.0407	76.6	34.7-134	4.78	20	
o-Xylene	0.0973	0.0050	"	0.100	0.00435	92.9	41.3-126	2.11	20	
Surrogate: 1,2-Dichloroethane-d4	0.0439		"	0.0400		110	67.4-143			
Surrogate: Toluene-d8	0.0422		"	0.0400		106	77.3-114			
Surrogate: 4-Bromofluorobenzene	0.0414		"	0.0400		104	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 - Miller 1,2-17

Project Number: 0334-11100
Project Manager: Daniel Burns

Reported:
12/11/11 12:56

Notes and Definitions

S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

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

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

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.

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

December 13, 2011

Daniel Burns
LT Environmental, Inc.
4600 West 60th Avenue
Arvada, CO 80003
RE: ENC - Miller 1,2-17

Enclosed are the results of analyses for samples received by Summit Scientific on 12/12/11 16:55. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury For Ben Shrewsbury
President / Laboratory Director



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

Project: ENC - Miller 1,2-17

Project Number: 0334-11100
Project Manager: Daniel Burns

Reported:
12/13/11 07:30

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS08	R112075-01	Soil	12/12/11 10:00	12/12/11 16:55
SS09	R112075-02	Soil	12/12/11 10:05	12/12/11 16:55

Summit Scientific

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

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 - Miller 1,2-17

Project Number: 0334-11100
Project Manager: Daniel Burns

Reported:
12/13/11 07:30

R112075

Summit Scientific

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303-277-9310 ♦ 303-277-9531 Fax

Page | of

Client: LT Environmental, Inc.

Address: 4600 West 60th Avenue

City/State/Zip: Arvada, CO 80003

Phone: (303) 433-9788

Sampler Name: VB

Project Manager: Daniel Burns

E-Mail: dburns@ltenv.com

Project Name: Miller 17-17#

Project Number: 032411K10

[illegible]

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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 - Miller 1,2-17

Project Number: 0334-11100
Project Manager: Daniel Burns

Reported:
12/13/11 07:30

SS08
R112075-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 12/12/11 10:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	80	50	mg/kg	1	1121214	12/12/11	12/12/11	8015 Full Carbon Chain	

Date Sampled: 12/12/11 10:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		97.6 %	88.8-124		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 12/12/11 10:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0050	mg/kg	1	1121213	12/12/11	12/12/11	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.030	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.77	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	18	0.50	"	"	"	"	"	"	

Date Sampled: 12/12/11 10:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		98.2 %	67.4-143		"	"	"	"	
Surrogate: Toluene-d8		98.6 %	77.3-114		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	78.4-125		"	"	"	"	

Summit Scientific

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

Project: ENC - Miller 1,2-17

Project Number: 0334-11100
Project Manager: Daniel Burns

Reported:
12/13/11 07:30

SS09
R112075-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 12/12/11 10:05

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	98	50	mg/kg	1	1121214	12/12/11	12/12/11	8015 Full Carbon Chain	

Date Sampled: 12/12/11 10:05

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		98.9 %	88.8-124		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 12/12/11 10:05

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0050	mg/kg	1	1121213	12/12/11	12/12/11	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.14	0.0050	"	"	"	"	"	"	
Xylenes (total)	6.9	0.050	"	10	"	"	"	"	
Gasoline Range Hydrocarbons	130	5.0	"	"	"	"	12/12/11	"	

Date Sampled: 12/12/11 10:05

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		98.8 %	67.4-143		"	"	12/12/11	"	
Surrogate: Toluene-d8		104 %	77.3-114		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.8 %	78.4-125		"	"	"	"	

Summit Scientific

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Arvada CO, 80003

Project: ENC - Miller 1,2-17

Project Number: 0334-11100
Project Manager: Daniel Burns

Reported:
12/13/11 07:30

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch 1121214 - EPA 3550A

Blank (1121214-BLK1)

Prepared & Analyzed: 12/12/11

C10-C28 (DRO) ND 50 mg/kg

Surrogate: o-Terphenyl 12.8 " 12.5 102 88.8-124

LCS (1121214-BS1)

Prepared & Analyzed: 12/12/11

C10-C28 (DRO) 536 50 mg/kg 501 107 81.4-129 9.26

LCS Dup (1121214-BSD1)

Prepared & Analyzed: 12/12/11

C10-C28 (DRO) 525 50 mg/kg 501 105 81.4-129 2.16 9.26

Matrix Spike (1121214-MS1)

Source: R112077-01

Prepared & Analyzed: 12/12/11

C10-C28 (DRO) 511 50 mg/kg 501 ND 102 77.8-133 8.48

Matrix Spike Dup (1121214-MSD1)

Source: R112077-01

Prepared: 12/12/11 Analyzed: 12/13/11

C10-C28 (DRO) 520 50 mg/kg 501 ND 104 77.8-133 1.78 8.48

Summit Scientific

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Arvada CO, 80003

Project: ENC - Miller 1,2-17
Project Number: 0334-11100
Project Manager: Daniel Burns

Reported:
12/13/11 07:30

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

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

Batch 1121213 - EPA 5030 Soil MS

Blank (1121213-BLK1)

Prepared: 12/12/11 Analyzed: 12/13/11

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	"							
Surrogate: 1,2-Dichloroethane-d4	0.0374		"	0.0400		93.6	67.4-143			
Surrogate: Toluene-d8	0.0392		"	0.0400		98.0	77.3-114			
Surrogate: 4-Bromofluorobenzene	0.0372		"	0.0400		93.1	78.4-125			

LCS (1121213-BS1)

Prepared: 12/12/11 Analyzed: 12/13/11

Benzene	0.0776	0.0050	mg/kg	0.100		77.6	61-139		11.1	
Toluene	0.0808	0.0050	"	0.100		80.8	64-132		10.9	
Ethylbenzene	0.0821	0.0050	"	0.100		82.1	68.7-135		20	
m,p-Xylene	0.169	0.010	"	0.200		84.4	70.4-129		20	
o-Xylene	0.0825	0.0050	"	0.100		82.5	66.9-126		20	
Surrogate: 1,2-Dichloroethane-d4	0.0364		"	0.0400		91.1	67.4-143			
Surrogate: Toluene-d8	0.0391		"	0.0400		97.6	77.3-114			
Surrogate: 4-Bromofluorobenzene	0.0370		"	0.0400		92.4	78.4-125			

LCS Dup (1121213-BSD1)

Prepared: 12/12/11 Analyzed: 12/13/11

Benzene	0.0774	0.0050	mg/kg	0.100		77.4	61-139	0.232	11.1	
Toluene	0.0806	0.0050	"	0.100		80.6	64-132	0.372	10.9	
Ethylbenzene	0.0818	0.0050	"	0.100		81.8	68.7-135	0.403	20	
m,p-Xylene	0.167	0.010	"	0.200		83.3	70.4-129	1.25	20	
o-Xylene	0.0823	0.0050	"	0.100		82.3	66.9-126	0.328	20	
Surrogate: 1,2-Dichloroethane-d4	0.0381		"	0.0400		95.2	67.4-143			
Surrogate: Toluene-d8	0.0389		"	0.0400		97.3	77.3-114			
Surrogate: 4-Bromofluorobenzene	0.0375		"	0.0400		93.8	78.4-125			

Summit Scientific

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4600 West 60th Avenue
Arvada CO, 80003

Project: ENC - Miller 1,2-17

Project Number: 0334-11100
Project Manager: Daniel Burns

Reported:
12/13/11 07:30

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

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

Batch 1121213 - EPA 5030 Soil MS

Matrix Spike (1121213-MS1)		Source: R112077-01			Prepared: 12/12/11		Analyzed: 12/13/11			
Benzene	0.0781	0.0050	mg/kg	0.100	ND	78.1	42.9-137		17.9	
Toluene	0.0819	0.0050	"	0.100	ND	81.9	42.6-130		11.9	
Ethylbenzene	0.0821	0.0050	"	0.100	ND	82.1	39-133		20	
m,p-Xylene	0.168	0.010	"	0.200	ND	84.1	34.7-134		20	
o-Xylene	0.0832	0.0050	"	0.100	ND	83.2	41.3-126		20	
Surrogate: 1,2-Dichloroethane-d4	0.0401		"	0.0400		100	67.4-143			
Surrogate: Toluene-d8	0.0394		"	0.0400		98.5	77.3-114			
Surrogate: 4-Bromofluorobenzene	0.0381		"	0.0400		95.3	78.4-125			
Matrix Spike Dup (1121213-MSD1)		Source: R112077-01			Prepared: 12/12/11		Analyzed: 12/13/11			
Benzene	0.0772	0.0050	mg/kg	0.100	ND	77.2	42.9-137	1.12	17.9	
Toluene	0.0808	0.0050	"	0.100	ND	80.8	42.6-130	1.36	11.9	
Ethylbenzene	0.0803	0.0050	"	0.100	ND	80.3	39-133	2.25	20	
m,p-Xylene	0.163	0.010	"	0.200	ND	81.6	34.7-134	2.97	20	
o-Xylene	0.0815	0.0050	"	0.100	ND	81.5	41.3-126	2.08	20	
Surrogate: 1,2-Dichloroethane-d4	0.0404		"	0.0400		101	67.4-143			
Surrogate: Toluene-d8	0.0393		"	0.0400		98.2	77.3-114			
Surrogate: 4-Bromofluorobenzene	0.0375		"	0.0400		93.8	78.4-125			

Summit Scientific

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

Project: ENC - Miller 1,2-17

Project Number: 0334-11100
Project Manager: Daniel Burns

Reported:
12/13/11 07:30

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

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

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Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

December 15, 2011

Daniel Burns
LT Environmental, Inc.
4600 West 60th Avenue
Arvada, CO 80003
RE: ENC - Miller 1,2-17

Enclosed are the results of analyses for samples received by Summit Scientific on 12/12/11 16:55. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury For Ben Shrewsbury
President / Laboratory Director

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

Project: ENC - Miller 1,2-17

Project Number: 0334-11100
Project Manager: Daniel Burns

Reported:
12/15/11 07:41

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GW01	R112081-01	Water	12/12/11 11:00	12/12/11 16:55

R112081

Summit Scientific

52

741 Corporate Circle Suite 1 ♦ Golden, Colorado 80401
303-277-9310 ♦ 303-277-9531 Fax

Client:	LT Environmental, Inc.	Page	of
Address:	4600 West 60th Avenue	Project Manager:	Daniel Burns
City/State/Zip:	Arvada, CO 80003	E-Mail:	dburns@ltnv.com
Phone:	(303) 433-9788	Project Name:	Miller 2-17
Fax:	(303) 433-1432	Project Number:	03341100
Sampler Name:	SP		

[illegible]

www.s2scientific.com

Summit Scientific

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

Project: ENC - Miller 1,2-17

Project Number: 0334-11100
Project Manager: Daniel Burns

Reported:
12/15/11 07:41

GW01
R112081-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 12/12/11 11:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	19	1.0	ug/l	1	1121211	12/13/11	12/14/11	EPA 8260B	
Toluene	10	1.0	"	"	"	"	"	"	
Ethylbenzene	4.7	1.0	"	"	"	"	"	"	
Xylenes (total)	1700	100	"	100	"	"	12/14/11	"	

Date Sampled: 12/12/11 11:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.4 %	57.9-139		"	"	12/14/11	"	
<i>Surrogate: Toluene-d8</i>		97.7 %	83.1-115		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		114 %	80.8-120		"	"	"	"	

Summit Scientific

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Arvada CO, 80003

Project: ENC - Miller 1,2-17

Project Number: 0334-11100
Project Manager: Daniel Burns

Reported:
12/15/11 07:41

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch 1121211 - EPA 5030 Water MS

Blank (1121211-BLK1)

Prepared: 12/12/11 Analyzed: 12/13/11

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	13.4		"	13.3	100	57.9-139				
Surrogate: Toluene-d8	13.0		"	13.3	97.2	83.1-115				
Surrogate: 4-Bromofluorobenzene	12.7		"	13.3	95.2	80.8-120				

LCS (1121211-BS1)

Prepared: 12/12/11 Analyzed: 12/13/11

Benzene	47.2	1.0	ug/l	50.0	94.3	60.1-131		10.9		
Toluene	47.8	1.0	"	50.0	95.6	65.9-127		11.3		
Ethylbenzene	48.8	1.0	"	50.0	97.6	65.1-129		20		
m,p-Xylene	96.8	2.0	"	100	96.8	66.8-127		20		
o-Xylene	49.4	1.0	"	50.0	98.8	61.2-120		20		
Surrogate: 1,2-Dichloroethane-d4	13.5		"	13.3	101	57.9-139				
Surrogate: Toluene-d8	13.5		"	13.3	101	83.1-115				
Surrogate: 4-Bromofluorobenzene	13.1		"	13.3	98.6	80.8-120				

LCS Dup (1121211-BSD1)

Prepared: 12/12/11 Analyzed: 12/13/11

Benzene	47.8	1.0	ug/l	50.0	95.5	60.1-131	1.24	10.9		
Toluene	47.9	1.0	"	50.0	95.8	65.9-127	0.188	11.3		
Ethylbenzene	50.0	1.0	"	50.0	100	65.1-129	2.45	20		
m,p-Xylene	98.8	2.0	"	100	98.8	66.8-127	1.96	20		
o-Xylene	50.0	1.0	"	50.0	100	61.2-120	1.29	20		
Surrogate: 1,2-Dichloroethane-d4	13.4		"	13.3	101	57.9-139				
Surrogate: Toluene-d8	13.2		"	13.3	98.9	83.1-115				
Surrogate: 4-Bromofluorobenzene	13.1		"	13.3	98.3	80.8-120				

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Arvada CO, 80003

Project: ENC - Miller 1,2-17

Project Number: 0334-11100
Project Manager: Daniel Burns

Reported:
12/15/11 07:41

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

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

Batch 1121211 - EPA 5030 Water MS

Matrix Spike (1121211-MS1)		Source: R112066-10			Prepared: 12/12/11		Analyzed: 12/13/11			
Benzene	49.0	1.0	ug/l	50.0	ND	98.0	52.7-130		19.3	
Toluene	49.1	1.0	"	50.0	ND	98.3	57-127		18.7	
Ethylbenzene	50.3	1.0	"	50.0	ND	101	59.2-127		20	
m,p-Xylene	99.6	2.0	"	100	ND	99.6	53.2-132		20	
o-Xylene	50.1	1.0	"	50.0	ND	100	56.3-117		20	
Surrogate: 1,2-Dichloroethane-d4	13.8		"	13.3		104	57.9-139			
Surrogate: Toluene-d8	13.5		"	13.3		101	83.1-115			
Surrogate: 4-Bromofluorobenzene	13.3		"	13.3		100	80.8-120			
Matrix Spike Dup (1121211-MSD1)		Source: R112066-10			Prepared: 12/12/11		Analyzed: 12/13/11			
Benzene	47.8	1.0	ug/l	50.0	ND	95.7	52.7-130	2.37	19.3	
Toluene	48.3	1.0	"	50.0	ND	96.6	57-127	1.72	18.7	
Ethylbenzene	49.7	1.0	"	50.0	ND	99.4	59.2-127	1.10	20	
m,p-Xylene	98.5	2.0	"	100	ND	98.5	53.2-132	1.07	20	
o-Xylene	50.6	1.0	"	50.0	ND	101	56.3-117	0.992	20	
Surrogate: 1,2-Dichloroethane-d4	13.6		"	13.3		102	57.9-139			
Surrogate: Toluene-d8	13.3		"	13.3		99.8	83.1-115			
Surrogate: 4-Bromofluorobenzene	13.4		"	13.3		101	80.8-120			

Summit Scientific

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Project: ENC - Miller 1,2-17

Project Number: 0334-11100
Project Manager: Daniel Burns

Reported:
12/15/11 07:41

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

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ATTACHMENT 2
MATERIAL SAFETY DATA SHEET

Material Safety Data Sheet

Trap & Treat[®] BOS 200[®]



Section I

Manufacturer's Name <i>Remediation Products Inc.</i>	Emergency Telephone Number <i>303.487.1000</i>
Address (Number, Street, City, State, and ZIP Code) <i>6390 Joyce Drive, Suite 150 W, Golden, CO 80403</i>	Telephone Number for Information <i>303-487-1000</i>
Prepared by <i>T. Mecum</i>	Date Prepared <i>12/2/02</i>
	Signature of Preparer (optional)

Section II - Hazard Ingredients/Identity Information

Non-hazardous components are listed at 3 percent (%) or greater. This is not intended to be a complete compositional disclosure.

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	%(optional)
Carbon	5mg/M ³ (respirable)	10mg/M ³ (Total)	N/A	77
Calcium Sulfate (Gypsum)	“	“	N/A	19
N/A = Not Applicable PELs and TLVs are 8-hour TWAs unless otherwise noted.				

Section III - Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H ₂ O = 1)	2.33 g/cc real density
Vapor Pressure (mm Hg.)	N/A	Melting Point	Decomposes at 1450°C
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water: Negligible			
Appearance and Odor: Black powder. No odor.			

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) Not combustible	Flammable Limits	LEL N/A	UEL N/A
Extinguishing Media Flood with plenty of water			
Special Fire Fighting Procedures None			
Unusual Fire and Explosion Hazards Contact with strong oxidizer, such as ozone, liquid oxygen, chlorine, permanganate, etc., may result in fire.			
NFPA Rating: Health=0; Reactivity=0; Flammability=1			

Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	None
Incompatibility (<i>Materials to Avoid</i>)			
Strong oxidizers, such as ozone, liquid oxygen, chlorine, permanganate, etc., and acids.			
Hazardous Decomposition	May Occur	X	Conditions to Avoid Above 1450° - SO ₂ & CaO
	Will Not Occur		

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation? Yes	Skin? Yes	Ingestion? Yes
Health Hazards (<i>Acute and Chronic</i>)			
<p>The effects of long-term, low-level exposures to carbon have not been determined. Safe handling of this material on a long-term basis should emphasize the avoidance of all effects from repetitive acute exposures.</p> <p>Persons subjected to excessive dust will be forced to leave area because of nuisance; i.e., coughing, sneezing and nasal irritation.</p> <p>CAUTION!!! This material, when wet, removes oxygen from air causing a severe hazard to workers inside carbon vessels and enclosed or confined spaces. Before entering such an area, sampling and work procedures for low oxygen levels should be taken to ensure ample oxygen availability, observing all local, state, and federal regulations.</p>			
Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	N/A	N/A	No
Signs and Symptoms of Exposure			
<p>Effects and Hazards of Eye Contact: The physical nature of this product may produce eye irritation, if exposed to dusting conditions without protective eye equipment.</p> <p>Effects and Hazards of Skin Contact: The product is not a primary skin irritant. The primary skin irritation (Rabbit) is 0.</p> <p>Effects and Hazards of Inhalation Breathing: This product is practically non-toxic through inhalation. The acute inhalation LD₅₀ (Rat) is >6.4 mg/l (nominal concentration). Could cause irritation to respiratory passages, if exposed to dusting conditions without protective respiratory equipment.</p> <p>Effects and Hazards of Ingestion (Swallowing): Material is non-toxic through ingestion. The acute oral LD₅₀ (Rat) is >10g/kg.</p>			
Medical Conditions Generally Aggravated by Exposure			
N/A			
Emergency and First Aid Procedures			
<p><u>Eyes:</u> Flush with plenty of water for at least 15 minutes. Call physician if irritation continues.</p> <p><u>Skin:</u> Wash with soap and water.</p> <p><u>Inhalation:</u> Move to fresh air.</p> <p><u>Ingestion:</u> N/A</p>			

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled
Sweep or vacuum material from spillages into a waste container for disposal or repackage. Avoid dusting conditions.
Waste Disposal Method
Dispose of unused product in waste container. Dispose of in accordance with local, state, and federal or national regulations.
Precautions to Be Taken in Handling and Storing
CAUTION!!! This product, when wet, removes oxygen from air causing a severe hazard to workers inside carbon vessels and enclosed or confined spaces. Before entering such an area, sampling and work procedures for low oxygen levels should be taken to ensure ample oxygen availability, observing all local, state, and federal or national regulations. Be sure proper ventilation and respiratory and eye protection are used under dusting conditions.
Other Precautions
Wash thoroughly after handling. Exercise caution in the storage and handling of all chemical substances.

Section VIII - Control Measures

Respiratory Protection (<i>Specify Type</i>) Carbon-A NIOSH-approved particulate filter respirator is recommended, if excessive dust is generated.		
Ventilation	Local Exhaust Recommended, when used indoors or in confined spaces	Special Not Required
	Mechanical (<i>General</i>) Recommended, when used indoors or in confined spaces	Other Not required
Protective Gloves Recommended		Eye Protection Safety glasses or goggles recommended
Other Protective Clothing or Equipment Not required		
Work/Hygienic Practices Use of Tyvek® or Nomex® suits is suggested to protect skin from becoming excessively dirty and clothing from being ruined by contact with product.		