

# Summit Scientific

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741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

August 21, 2007

John Cocroft

LT Environmental, Inc.

4600 West 60th Avenue

Arvada, CO 80003

RE: KMG - 16-411-8-Gathering

Enclosed are the results of analyses for samples received by Summit Scientific on 08/03/07 09:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Ben Shrewsbury

Laboratory Director



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

Project: KMG - 16-411-8-Gathering

Project Number: kmg07269  
Project Manager: John Cocroft

**Reported:**  
08/21/07 14:46

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01	R708021-01	Water	08/01/07 14:30	08/03/07 09:30
MW02	R708021-02	Water	08/01/07 14:35	08/03/07 09:30
MW03	R708021-03	Water	08/01/07 14:40	08/03/07 09:30
MW04	R708021-04	Water	08/01/07 14:45	08/03/07 09:30

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: KMG - 16-411-8-Gathering

Project Number: kmg07269  
Project Manager: John Cocroft

Reported:  
08/21/07 14:46

# Summit Scientific R708021

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

Page 1 of 1

Client: KEN-McGEE

Address: \_\_\_\_\_ Project Manager: John Cocroft

City/State/Zip: \_\_\_\_\_ E-Mail: \_\_\_\_\_

Phone: \_\_\_\_\_ Project Name: 16-411-8-Gathering

Sampler Name: John Cocroft Project Number: kmg07269

Sample Description	Date Sampled	Time Sampled	Number of Containers	Preservative					Matrix				Analyze For:	Notes	
				HCl	HNO <sub>3</sub>	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)				
<u>AW001</u>	<u>8-1-07</u>	<u>1430</u>	<u>2</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>R708021</u> Special Instructions <u>01</u> <u>02</u> <u>03</u> <u>04</u>
<u>AW002</u>	<u>8-1-07</u>	<u>1435</u>	<u>2</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>AW003</u>	<u>8-1-07</u>	<u>1440</u>	<u>2</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>AW004</u>	<u>8-1-07</u>	<u>1445</u>	<u>2</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
Requisitioned by:	Date/Time:	8-1-07													
<u>John Cocroft</u>	<u>1600</u>														
Requisitioned by:	Date/Time:	8-3-07													
<u>John Cocroft</u>	<u>0930</u>														
Received by:	Date/Time:	8-3-07													
<u>John Cocroft</u>	<u>0930</u>														
Received in Lab by:	Date/Time:	8-3-07													
<u>John Cocroft</u>	<u>0930</u>														
Turn Around Time (Check) <input type="checkbox"/> Same Day <input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input checked="" type="checkbox"/> 72 Hours Standard Sample Integrity: Temperature Upon Receipt: <u>43</u> Impact: <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No															

www.s2scientific.com



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

Project: KMG - 16-411-8-Gathering

Project Number: kmg07269  
 Project Manager: John Cocroft

**Reported:**  
 08/21/07 14:46

**MW01**  
**R708021-01 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **08/01/07 14:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	7081404	08/14/07	08/18/07	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **08/01/07 14:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		112 %	70-130		"	"	"	"	
Surrogate: Toluene-d8		98.5 %	70-130		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.7 %	70-130		"	"	"	"	

Summit Scientific

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

Project: KMG - 16-411-8-Gathering

Project Number: kmg07269  
 Project Manager: John Cocroft

**Reported:**  
 08/21/07 14:46

**MW02**  
**R708021-02 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **08/01/07 14:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	7081404	08/14/07	08/18/07	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **08/01/07 14:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		113 %	70-130		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		97.7 %	70-130		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		96.2 %	70-130		"	"	"	"	

Summit Scientific

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

Project: KMG - 16-411-8-Gathering

Project Number: kmg07269  
 Project Manager: John Cocroft

**Reported:**  
 08/21/07 14:46

**MW03**  
**R708021-03 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **08/01/07 14:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	7081404	08/14/07	08/18/07	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **08/01/07 14:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		113 %	70-130		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		97.7 %	70-130		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		95.5 %	70-130		"	"	"	"	

Summit Scientific

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

Project: KMG - 16-411-8-Gathering

Project Number: kmg07269  
 Project Manager: John Cocroft

**Reported:**  
 08/21/07 14:46

**MW04**  
**R708021-04 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **08/01/07 14:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	7081404	08/14/07	08/18/07	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **08/01/07 14:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		114 %	70-130		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.5 %	70-130		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		96.2 %	70-130		"	"	"	"	

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4600 West 60th Avenue  
Arvada CO, 80003

Project: KMG - 16-411-8-Gathering

Project Number: kmg07269  
Project Manager: John Cocroft

Reported:  
08/21/07 14:46

**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 7081404 - EPA 5030 Water MS**

**Blank (7081404-BLK1)**

Prepared: 08/14/07 Analyzed: 08/17/07

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	14.8		"	13.3		111	70-130			
Surrogate: Toluene-d8	13.1		"	13.3		98.5	70-130			
Surrogate: 4-Bromofluorobenzene	12.7		"	13.3		95.5	70-130			

**LCS (7081404-BS1)**

Prepared: 08/14/07 Analyzed: 08/17/07

Benzene	51.6	1.0	ug/l	66.7		77.4	70-130			
Toluene	54.6	1.0	"	66.7		81.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	14.9		"	13.3		112	70-130			
Surrogate: Toluene-d8	13.3		"	13.3		100	70-130			
Surrogate: 4-Bromofluorobenzene	13.9		"	13.3		105	70-130			

**LCS Dup (7081404-BSD1)**

Prepared: 08/14/07 Analyzed: 08/17/07

Benzene	51.5	1.0	ug/l	66.7		77.2	70-130	0.194	25	
Toluene	54.6	1.0	"	66.7		81.9	70-130	0.00	25	
Surrogate: 1,2-Dichloroethane-d4	14.7		"	13.3		111	70-130			
Surrogate: Toluene-d8	13.3		"	13.3		100	70-130			
Surrogate: 4-Bromofluorobenzene	13.1		"	13.3		98.5	70-130			

**Matrix Spike (7081404-MS1)**

Source: R708019-01

Prepared: 08/14/07 Analyzed: 08/17/07

Benzene	51.2	1.0	ug/l	66.7	ND	76.8	70-130			
Toluene	52.2	1.0	"	66.7	0.79	77.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	14.4		"	13.3		108	70-130			
Surrogate: Toluene-d8	13.3		"	13.3		100	70-130			
Surrogate: 4-Bromofluorobenzene	13.0		"	13.3		97.7	70-130			

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 Arvada CO, 80003

Project: KMG - 16-411-8-Gathering

Project Number: kmg07269  
 Project Manager: John Cocroft

**Reported:**  
 08/21/07 14:46

**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 7081404 - EPA 5030 Water MS**

<b>Matrix Spike Dup (7081404-MSD1)</b>	<b>Source: R708019-01</b>			Prepared: 08/14/07		Analyzed: 08/17/07				
Benzene	51.4	1.0	ug/l	66.7	ND	77.1	70-130	0.390	40.3	
Toluene	52.8	1.0	"	66.7	0.79	78.0	70-130	1.14	25	
Surrogate: 1,2-Dichloroethane-d4	14.7		"	13.3		111	70-130			
Surrogate: Toluene-d8	13.4		"	13.3		101	70-130			
Surrogate: 4-Bromofluorobenzene	13.0		"	13.3		97.7	70-130			

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4600 West 60th Avenue  
Arvada CO, 80003

Project: KMG - 16-411-8-Gathering

Project Number: kmg07269  
Project Manager: John Cocroft

**Reported:**  
08/21/07 14:46

### 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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# Summit Scientific

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741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.374.5933 - fax

November 25, 2007

John Cocroft

LT Environmental, Inc.

4600 West 60th Avenue

Arvada, CO 80003

RE: KMG - 16-411-8-Gathering

Enclosed are the results of analyses for samples received by Summit Scientific on 11/16/07 09:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'BS', with a long, sweeping horizontal line extending to the right.

Ben Shrewsbury

Laboratory Director



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

Project: KMG - 16-411-8-Gathering

Project Number: KMG 07269  
Project Manager: John Cocroft

**Reported:**  
11/25/07 15:08

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01	R711080-01	Water	11/15/07 13:00	11/16/07 09:30
MW02	R711080-02	Water	11/15/07 13:10	11/16/07 09:30
MW03	R711080-03	Water	11/15/07 13:20	11/16/07 09:30
MW04	R711080-04	Water	11/15/07 13:30	11/16/07 09:30

Summit Scientific

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

Project: KMG - 16-411-8-Gathering

Project Number: KMG 07269  
Project Manager: John Cocroft

Reported:  
11/25/07 15:08

# Summit Scientific

741 Corporate Circle ~ Suite 1  
Golden, Colorado 80401  
303-277-9310 ~ 303-374-5933 Fax

Client: LT Environmental, Inc.  
Project: KMG - 16-411-8-Gathering

Project Manager: John Cocroft  
Project Number: kmg07269

Number	Sample Identification	Matrix	Type	Sample Date	Sample Time	Sampled By	Container	Qty	Analyses
01-001	MW01	Water	Field Sample	11-15-07	1300	Floyd	Voa Vial - HCl	2	8360B BTEX_TXYL
02-001	MW02	Water	Field Sample	11-15-07	1310	Floyd	Voa Vial - HCl	2	8360B BTEX_TXYL
03-001	MW03	Water	Field Sample	11-15-07	1320	Floyd	Voa Vial - HCl	2	8360B BTEX_TXYL
04-001	MW04	Water	Field Sample	11-15-07	1330	Floyd	Voa Vial - HCl	2	8360B BTEX_TXYL
05-001	MW05	Water	Field Sample	—	—	Floyd	Voa Vial - HCl	2	8360B BTEX_TXYL
06-001	MW06	Water	Field Sample	—	—	Floyd	Voa Vial - HCl	2	8360B BTEX_TXYL
07-001	MW07	Water	Field Sample	—	—	Floyd	Voa Vial - HCl	2	8360B BTEX_TXYL
08-001	MW08	Water	Field Sample	—	—	Floyd	Voa Vial - HCl	2	8360B BTEX_TXYL
09-001	MW09	Water	Field Sample	—	—	Floyd	Voa Vial - HCl	2	8360B BTEX_TXYL
10-001	MW10	Water	Field Sample	—	—	Floyd	Voa Vial - HCl	2	8360B BTEX_TXYL

1530  
Date: 11/16/07 9:30  
Relinquished By: *[Signature]*

11-16-07 9:30  
Date: 11-16-07 9:30  
Requisitioned By: *[Signature]*

Turn Around Time (Check)  
 Same Day  
 24 Hours  
 48 Hours  
 72 Hours  
 Standard

Sample Integrity: 4.8  
 Temperature Upon Receipt: *[Blank]*  
 In tact:  Yes  No

Received By: *[Signature]* Date: *[Blank]*





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

Project: KMG - 16-411-8-Gathering

Project Number: KMG 07269  
 Project Manager: John Cocroft

**Reported:**  
 11/25/07 15:08

**MW01**  
**R711080-01 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: 11/15/07 13:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	7111804	11/18/07	11/21/07	EPA 8260B	
<b>Toluene</b>	<b>2.0</b>	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: 11/15/07 13:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		114 %	61.6-147		"	"	"	"	
Surrogate: Toluene-d8		98.5 %	89.3-110		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.8 %	75.4-130		"	"	"	"	

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 4600 West 60th Avenue  
 Arvada CO, 80003

Project: KMG - 16-411-8-Gathering

Project Number: KMG 07269  
 Project Manager: John Cocroft

**Reported:**  
 11/25/07 15:08

**MW02**  
**R711080-02 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: 11/15/07 13:10

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	7111804	11/18/07	11/21/07	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: 11/15/07 13:10

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		113 %	61.6-147		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		97.8 %	89.3-110		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		95.2 %	75.4-130		"	"	"	"	

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Project: KMG - 16-411-8-Gathering

Project Number: KMG 07269  
 Project Manager: John Cocroft

**Reported:**  
 11/25/07 15:08

**MW03**  
**R711080-03 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: 11/15/07 13:20

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	7111804	11/18/07	11/21/07	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: 11/15/07 13:20

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		114 %	61.6-147		"	"	"	"	
Surrogate: Toluene-d8		100 %	89.3-110		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.8 %	75.4-130		"	"	"	"	

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Project: KMG - 16-411-8-Gathering

Project Number: KMG 07269  
 Project Manager: John Cocroft

**Reported:**  
 11/25/07 15:08

**MW04**  
**R711080-04 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: 11/15/07 13:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	7111804	11/18/07	11/21/07	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: 11/15/07 13:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		115 %	61.6-147		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.0 %	89.3-110		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		96.2 %	75.4-130		"	"	"	"	

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Project Number: KMG 07269  
Project Manager: John Cocroft

Reported:  
11/25/07 15:08

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

**Summit Scientific**

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

**Batch 7111804 - EPA 5030 Water MS**

**Blank (7111804-BLK1)**

Prepared: 11/18/07 Analyzed: 11/20/07

Benzene	ND	1.0	ug/l								
Toluene	ND	1.0	"								
Ethylbenzene	ND	1.0	"								
Xylenes (total)	ND	1.0	"								
Surrogate: 1,2-Dichloroethane-d4	44.3		"	40.0	111	61.6-147					
Surrogate: Toluene-d8	39.0		"	40.0	97.5	89.3-110					
Surrogate: 4-Bromofluorobenzene	38.1		"	40.0	95.2	75.4-130					

**LCS (7111804-BS1)**

Prepared: 11/18/07 Analyzed: 11/20/07

Benzene	93.5	1.0	ug/l	100	93.5	60.5-95.9					
Toluene	94.8	1.0	"	100	94.8	58.3-99.4					
Surrogate: 1,2-Dichloroethane-d4	43.2		"	40.0	108	61.6-147					
Surrogate: Toluene-d8	39.6		"	40.0	99.0	89.3-110					
Surrogate: 4-Bromofluorobenzene	38.3		"	40.0	95.8	75.4-130					

**LCS Dup (7111804-BSD1)**

Prepared: 11/18/07 Analyzed: 11/20/07

Benzene	94.9	1.0	ug/l	100	94.9	60.5-95.9	1.49	15.6			
Toluene	94.7	1.0	"	100	94.7	58.3-99.4	0.106	18.1			
Surrogate: 1,2-Dichloroethane-d4	45.3		"	40.0	113	61.6-147					
Surrogate: Toluene-d8	39.5		"	40.0	98.8	89.3-110					
Surrogate: 4-Bromofluorobenzene	39.5		"	40.0	98.8	75.4-130					

**Matrix Spike (7111804-MS1)**

Source: R711078-01

Prepared: 11/18/07 Analyzed: 11/20/07

Benzene	93.2	1.0	ug/l	100	ND	93.2	57.6-98.2				
Toluene	93.8	1.0	"	100	ND	93.8	58.7-97.2				
Surrogate: 1,2-Dichloroethane-d4	45.2		"	40.0	113	61.6-147					
Surrogate: Toluene-d8	39.6		"	40.0	99.0	89.3-110					
Surrogate: 4-Bromofluorobenzene	39.7		"	40.0	99.2	75.4-130					

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: KMG - 16-411-8-Gathering

Project Number: KMG 07269  
 Project Manager: John Cocroft

**Reported:**  
 11/25/07 15:08

**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 7111804 - EPA 5030 Water MS**

<b>Matrix Spike Dup (7111804-MSD1)</b>	<b>Source: R711078-01</b>			Prepared: 11/18/07	Analyzed: 11/21/07						
Benzene	95.1	1.0	ug/l	100	ND	95.1	57.6-98.2	2.02	21.3		
Toluene	95.4	1.0	"	100	ND	95.4	58.7-97.2	1.69	11.7		
Surrogate: 1,2-Dichloroethane-d4	44.9		"	40.0		112	61.6-147				
Surrogate: Toluene-d8	39.2		"	40.0		98.0	89.3-110				
Surrogate: 4-Bromofluorobenzene	38.5		"	40.0		96.2	75.4-130				

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: KMG - 16-411-8-Gathering

Project Number: KMG 07269  
Project Manager: John Cocroft

**Reported:**  
11/25/07 15:08

### 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

*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 ♦ 303.374.5933 - fax

March 09, 2008

John Cocroft

LT Environmental, Inc.

4600 West 60th Avenue

Arvada, CO 80003

RE: KMG - 16-411-8-Gathering

Enclosed are the results of analyses for samples received by Summit Scientific on 02/22/08 07:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to be 'BS', with a long, sweeping horizontal line extending to the right.

Ben Shrewsbury

Vice President / Laboratory Director



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

Project: KMG - 16-411-8-Gathering

Project Number: KMG 07269  
Project Manager: John Cocroft

**Reported:**  
03/09/08 21:25

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01	R802111-01	Water	02/20/08 16:00	02/22/08 07:30
MW02	R802111-02	Water	02/20/08 16:10	02/22/08 07:30
MW03	R802111-03	Water	02/20/08 16:20	02/22/08 07:30
MW04	R802111-04	Water	02/20/08 16:30	02/22/08 07:30

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: KMG - 16-411-8-Gathering

Project Number: KMG 07269  
Project Manager: John Cocroft

Reported:  
03/09/08 21:25

Summit Scientific *282111*

741 Corporate Circle - Suite 1  
Golden, Colorado 80401  
303-277-9310 - 303-374-5933 Fax

Client: LT Environmental, Inc. Project Manager: John Cocroft  
Project: KMG - 16-411-8-Gathering Project Number: KMG 07269

Number	Sample Identification	Matrix	Type	Sample Date	Sample Time	Sampled By	Container	Qty	Analyses
01-001	MW01	Water	Field Sample	<i>2-20-08</i>	<i>1600</i>	Floyd	Voa Vial - HCI	2	8260B BTEX_TYVL
02-001	MW02	Water	Field Sample	<i>2-20-08</i>	<i>1610</i>	Floyd	Voa Vial - HCI	2	8260B BTEX_TYVL
03-001	MW03	Water	Field Sample	<i>2-26-08</i>	<i>1620</i>	Floyd	Voa Vial - HCI	2	8260B BTEX_TYVL
04-001	MW04	Water	Field Sample	<i>2-20-08</i>	<i>1630</i>	Floyd	Voa Vial - HCI	2	8260B BTEX_TYVL
05-001	MW05	Water	Field Sample	_____	_____	Floyd	Voa Vial - HCI	2	8260B BTEX_TYVL
06-001	MW06	Water	Field Sample	_____	_____	Floyd	Voa Vial - HCI	2	8260B BTEX_TYVL
07-001	MW07	Water	Field Sample	_____	_____	Floyd	Voa Vial - HCI	2	8260B BTEX_TYVL
08-001	MW08	Water	Field Sample	_____	_____	Floyd	Voa Vial - HCI	2	8260B BTEX_TYVL
09-001	MW09	Water	Field Sample	_____	_____	Floyd	Voa Vial - HCI	2	8260B BTEX_TYVL
10-001	MW10	Water	Field Sample	_____	_____	Floyd	Voa Vial - HCI	2	8260B BTEX_TYVL

*These data exist*

Relinquished By: *Justin Adams* Date: *2-22-08*  
 Relinquished By: *Justin Adams* Date: *2-22-08*  
 Received By: \_\_\_\_\_ Date: \_\_\_\_\_  
 Turn Around Time (Check)  72 Hours  24 Hours  48 Hours  
 Sample Integrity: *4.1*  
 Temperature Upon Receipt: \_\_\_\_\_  
 Inact:  Yes  No





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

Project: KMG - 16-411-8-Gathering

Project Number: KMG 07269  
 Project Manager: John Cocroft

**Reported:**  
 03/09/08 21:25

**MW01**  
**R802111-01 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **02/20/08 16:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	8030404	03/04/08	03/08/08	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **02/20/08 16:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		109 %	90.2-124		"	"	"	"	
Surrogate: Toluene-d8		102 %	92.1-106		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	84.5-110		"	"	"	"	

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: KMG - 16-411-8-Gathering

Project Number: KMG 07269  
 Project Manager: John Cocroft

**Reported:**  
 03/09/08 21:25

**MW02**  
**R802111-02 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **02/20/08 16:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	8030404	03/04/08	03/08/08	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **02/20/08 16:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		108 %	90.2-124		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		102 %	92.1-106		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		103 %	84.5-110		"	"	"	"	

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: KMG - 16-411-8-Gathering

Project Number: KMG 07269  
 Project Manager: John Cocroft

**Reported:**  
 03/09/08 21:25

**MW03**  
**R802111-03 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **02/20/08 16:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	8030404	03/04/08	03/08/08	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **02/20/08 16:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		108 %	90.2-124		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		102 %	92.1-106		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		102 %	84.5-110		"	"	"	"	

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: KMG - 16-411-8-Gathering

Project Number: KMG 07269  
 Project Manager: John Cocroft

Reported:  
 03/09/08 21:25

**MW04**  
**R802111-04 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **02/20/08 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	8030404	03/04/08	03/08/08	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **02/20/08 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>108 %</i>	<i>90.2-124</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: Toluene-d8</i>		<i>102 %</i>	<i>92.1-106</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>101 %</i>	<i>84.5-110</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

Summit Scientific

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

Project: KMG - 16-411-8-Gathering

Project Number: KMG 07269  
Project Manager: John Cocroft

Reported:  
03/09/08 21:25

**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 8030404 - EPA 5030 Water MS**

**Blank (8030404-BLK1)**

Prepared: 03/04/08 Analyzed: 03/08/08

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	14.8		"	13.3		111	90.2-124			
Surrogate: Toluene-d8	13.5		"	13.3		102	92.1-106			
Surrogate: 4-Bromofluorobenzene	14.1		"	13.3		106	84.5-110			

**LCS (8030404-BS1)**

Prepared: 03/04/08 Analyzed: 03/08/08

Benzene	21.6	1.0	ug/l	33.3		64.9	61.4-110			
Toluene	26.2	1.0	"	33.3		78.7	54.2-116			
Surrogate: 1,2-Dichloroethane-d4	15.1		"	13.3		114	90.2-124			
Surrogate: Toluene-d8	13.5		"	13.3		102	92.1-106			
Surrogate: 4-Bromofluorobenzene	13.9		"	13.3		105	84.5-110			

**LCS Dup (8030404-BSD1)**

Prepared: 03/04/08 Analyzed: 03/08/08

Benzene	22.0	1.0	ug/l	33.3		66.1	61.4-110	1.83	11.8	
Toluene	26.6	1.0	"	33.3		79.9	54.2-116	1.52	12.2	
Surrogate: 1,2-Dichloroethane-d4	14.8		"	13.3		111	90.2-124			
Surrogate: Toluene-d8	13.7		"	13.3		103	92.1-106			
Surrogate: 4-Bromofluorobenzene	13.7		"	13.3		103	84.5-110			

**Matrix Spike (8030404-MS1)**

Source: R802111-01

Prepared: 03/04/08 Analyzed: 03/08/08

Benzene	21.7	1.0	ug/l	33.3	ND	65.2	61.5-109			
Toluene	26.3	1.0	"	33.3	ND	79.0	55.6-113			
Surrogate: 1,2-Dichloroethane-d4	14.3		"	13.3		108	90.2-124			
Surrogate: Toluene-d8	13.5		"	13.3		102	92.1-106			
Surrogate: 4-Bromofluorobenzene	13.8		"	13.3		104	84.5-110			

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: KMG - 16-411-8-Gathering

Project Number: KMG 07269  
 Project Manager: John Cocroft

**Reported:**  
 03/09/08 21:25

**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 8030404 - EPA 5030 Water MS**

<b>Matrix Spike Dup (8030404-MSD1)</b>	<b>Source: R802111-01</b>			Prepared: 03/04/08		Analyzed: 03/08/08				
Benzene	22.4	1.0	ug/l	33.3	ND	67.3	61.5-109	3.17	21.7	
Toluene	27.5	1.0	"	33.3	ND	82.6	55.6-113	4.46	9.18	
Surrogate: 1,2-Dichloroethane-d4	14.7		"	13.3		111	90.2-124			
Surrogate: Toluene-d8	13.8		"	13.3		104	92.1-106			
Surrogate: 4-Bromofluorobenzene	13.3		"	13.3		100	84.5-110			

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: KMG - 16-411-8-Gathering

Project Number: KMG 07269  
Project Manager: John Cocroft

**Reported:**  
03/09/08 21:25

### 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

*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

May 12, 2008

John Cocroft

LT Environmental, Inc.

4600 West 60th Avenue

Arvada, CO 80003

RE: KMG - 16-411-8-Gathering

Enclosed are the results of analyses for samples received by Summit Scientific on 05/08/08 08:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'BS', with a long, sweeping horizontal line extending to the right.

Ben Shrewsbury

Vice President / Laboratory Director



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

Project: KMG - 16-411-8-Gathering

Project Number: KMG 07269  
Project Manager: John Cocroft

**Reported:**  
05/12/08 13:33

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01	R805043-01	Water	05/07/08 15:00	05/08/08 08:40
MW02	R805043-02	Water	05/07/08 15:10	05/08/08 08:40
MW03	R805043-03	Water	05/07/08 15:20	05/08/08 08:40
MW04	R805043-04	Water	05/07/08 15:30	05/08/08 08:40

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: KMG - 16-411-8-Gathering

Project Number: KMG 07269  
Project Manager: John Cocroft

Reported:  
05/12/08 13:33

Summit Scientific  
485043

741 Corporate Circle - Suite 1  
Golden, Colorado 80401  
303-277-9310 ~ 303-374-3933 Fax

Client: LT Environmental, Inc. Project Manager: John Cocroft  
Project: KMG - 16-411-8-Gathering Project Number: KMG 07269

Number	Sample Identification	Matrix	Type	Sample Date	Sample Time	Sampled By	Container	Qty	Analyses
01-001	MW01	Water	Field Sample	5-7-08	1500	Floyd	Voa Vial - HCl	2	8260B BTEX_TYXL
02-001	MW02	Water	Field Sample	5-07-08	1510	Floyd	Voa Vial - HCl	2	8260B BTEX_TYXL
03-001	MW03	Water	Field Sample	5-07-08	1520	Floyd	Voa Vial - HCl	2	8260B BTEX_TYXL
04-001	MW04	Water	Field Sample	5-07-08	1530	Floyd	Voa Vial - HCl	2	8260B BTEX_TYXL

Turn Around Time (Check)  
 Same Day  
 24 Hours  
 48 Hours  
 72 Hours  
 Standard

Sample Integrity:  
 Temperature Upon Receipt: 4  
 Inact:  Yes  No

Relinquished By: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Received By: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Relinquished By: John Cocroft Date/Time: 5/13/08 2:00  
 Received By: [Signature] Date/Time: 5/12/08 2:40





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

Project: KMG - 16-411-8-Gathering

Project Number: KMG 07269  
 Project Manager: John Cocroft

**Reported:**  
 05/12/08 13:33

**MW01**  
**R805043-01 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **05/07/08 15:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	8050808	05/08/08	05/11/08	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **05/07/08 15:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.7 %	90.2-124		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		100 %	92.1-106		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		98.5 %	84.5-110		"	"	"	"	

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: KMG - 16-411-8-Gathering

Project Number: KMG 07269  
 Project Manager: John Cocroft

**Reported:**  
 05/12/08 13:33

**MW02**  
**R805043-02 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **05/07/08 15:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	8050808	05/08/08	05/11/08	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **05/07/08 15:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.7 %	90.2-124		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.2 %	92.1-106		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		97.7 %	84.5-110		"	"	"	"	

Summit Scientific

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

Project: KMG - 16-411-8-Gathering

Project Number: KMG 07269  
 Project Manager: John Cocroft

**Reported:**  
 05/12/08 13:33

**MW03**  
**R805043-03 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **05/07/08 15:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	8050808	05/08/08	05/11/08	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **05/07/08 15:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.5 %	90.2-124		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.2 %	92.1-106		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		97.0 %	84.5-110		"	"	"	"	

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**Reported:**  
 05/12/08 13:33

**MW04**  
**R805043-04 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **05/07/08 15:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	8050808	05/08/08	05/11/08	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **05/07/08 15:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.2 %	90.2-124		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.2 %	92.1-106		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		96.2 %	84.5-110		"	"	"	"	

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Project: KMG - 16-411-8-Gathering

Project Number: KMG 07269  
Project Manager: John Cocroft

Reported:  
05/12/08 13:33

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

**Summit Scientific**

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

**Batch 8050808 - EPA 5030 Water MS**

**Blank (8050808-BLK1)**

Prepared: 05/08/08 Analyzed: 05/10/08

Benzene	ND	1.0	ug/l								
Toluene	ND	1.0	"								
Ethylbenzene	ND	1.0	"								
Xylenes (total)	ND	1.0	"								
Surrogate: 1,2-Dichloroethane-d4	13.0		"	13.3		97.7	90.2-124				
Surrogate: Toluene-d8	13.4		"	13.3		101	92.1-106				
Surrogate: 4-Bromofluorobenzene	13.2		"	13.3		99.2	84.5-110				

**LCS (8050808-BS1)**

Prepared: 05/08/08 Analyzed: 05/10/08

Benzene	33.8	1.0	ug/l	33.3		102	61.4-110				
Toluene	33.3	1.0	"	33.3		100	54.2-116				
Surrogate: 1,2-Dichloroethane-d4	13.0		"	13.3		97.7	90.2-124				
Surrogate: Toluene-d8	13.4		"	13.3		101	92.1-106				
Surrogate: 4-Bromofluorobenzene	13.3		"	13.3		100	84.5-110				

**LCS Dup (8050808-BSD1)**

Prepared: 05/08/08 Analyzed: 05/10/08

Benzene	33.9	1.0	ug/l	33.3		102	61.4-110	0.295	11.8		
Toluene	33.3	1.0	"	33.3		100	54.2-116	0.00	12.2		
Surrogate: 1,2-Dichloroethane-d4	13.1		"	13.3		98.5	90.2-124				
Surrogate: Toluene-d8	13.4		"	13.3		101	92.1-106				
Surrogate: 4-Bromofluorobenzene	13.2		"	13.3		99.2	84.5-110				

**Matrix Spike (8050808-MS1)**

Source: R805039-01

Prepared: 05/08/08 Analyzed: 05/10/08

Benzene	1730	1.0	ug/l	33.3	2700	NR	61.5-109				QM-05
Toluene	486	1.0	"	33.3	1700	NR	55.6-113				QM-05
Surrogate: 1,2-Dichloroethane-d4	11.5		"	13.3		86.5	90.2-124				S-04
Surrogate: Toluene-d8	14.0		"	13.3		105	92.1-106				
Surrogate: 4-Bromofluorobenzene	12.2		"	13.3		91.7	84.5-110				

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Project: KMG - 16-411-8-Gathering

Project Number: KMG 07269  
 Project Manager: John Cocroft

**Reported:**  
 05/12/08 13:33

**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 8050808 - EPA 5030 Water MS**

<b>Matrix Spike Dup (8050808-MSD1)</b>	<b>Source: R805039-01</b>			Prepared: 05/08/08		Analyzed: 05/10/08				
Benzene	1280	1.0	ug/l	33.3	2700	NR	61.5-109	29.9	21.7	QM-05
Toluene	896	1.0	"	33.3	1700	NR	55.6-113	59.3	9.18	QM-05
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>13.1</i>		<i>"</i>	<i>13.3</i>			<i>98.5</i>	<i>90.2-124</i>		
<i>Surrogate: Toluene-d8</i>	<i>13.7</i>		<i>"</i>	<i>13.3</i>			<i>103</i>	<i>92.1-106</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>12.2</i>		<i>"</i>	<i>13.3</i>			<i>91.7</i>	<i>84.5-110</i>		

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Project: KMG - 16-411-8-Gathering

Project Number: KMG 07269  
Project Manager: John Cocroft

**Reported:**  
05/12/08 13:33

### Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The associated LCS and/or LCSD were within acceptance limits, therefore the data are considered valid.
- 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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