

# Summit Scientific

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741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

February 04, 2013

John Cocroft  
LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada, CO 80003  
RE: KMG - Wass #5

Enclosed are the results of analyses for samples received by Summit Scientific on 01/29/13 16:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Joseph J Egry IV  
Laboratory Director

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

Project: KMG - Wass #5

Project Number: KMG 08397  
Project Manager: John Cocroft

**Reported:**  
02/04/13 12:05

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01	R301192-01	Water	01/29/13 13:45	01/29/13 16:30
MW02	R301192-02	Water	01/29/13 13:50	01/29/13 16:30
MW03	R301192-03	Water	01/29/13 13:55	01/29/13 16:30
MW04	R301192-04	Water	01/29/13 14:00	01/29/13 16:30
MW05	R301192-05	Water	01/29/13 14:05	01/29/13 16:30
MW06	R301192-06	Water	01/29/13 14:10	01/29/13 16:30
MW07	R301192-07	Water	01/29/13 14:15	01/29/13 16:30
MW08	R301192-08	Water	01/29/13 14:20	01/29/13 16:30
MW09	R301192-09	Water	01/29/13 14:25	01/29/13 16:30
MW10	R301192-10	Water	01/29/13 14:30	01/29/13 16:30
MW11	R301192-11	Water	01/29/13 14:35	01/29/13 16:30
MW12	R301192-12	Water	01/29/13 14:40	01/29/13 16:30
MW13	R301192-13	Water	01/29/13 14:45	01/29/13 16:30
MW14	R301192-14	Water	01/29/13 14:50	01/29/13 16:30

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

Project: KMG - Wass #5

Project Number: KMG 08397  
Project Manager: John Cocroft

Reported:  
02/04/13 12:05

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303-277-5310 ~ 303-374-5933 Fax

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Page 1 of 2

Client: LT Environmental, Inc.  
Project: KMG - Wass #5  
Project Manager: John Cocroft  
Project Number: KMG 08397

Number	Sample Identification	Matrix	Type	Sample Date	Sample Time	Sampled By	Container	Qty	Analyses
01-001	MW01	Water	Field Sample	1/29/13	1345	JD	Na Vid - HC	3	ES08 BTEX_TYXL
02-001	MW02	Water	Field Sample		1350		Na Vid - HC	3	ES08 BTEX_TYXL
03-001	MW03	Water	Field Sample		1355		Na Vid - HC	3	ES08 BTEX_TYXL
04-001	MW04	Water	Field Sample		1400		Na Vid - HC	3	ES08 BTEX_TYXL
05-001	MW05	Water	Field Sample		1405		Na Vid - HC	3	ES08 BTEX_TYXL
06-001	MW06	Water	Field Sample		1410		Na Vid - HC	3	ES08 BTEX_TYXL
07-001	MW07	Water	Field Sample		1415		Na Vid - HC	3	ES08 BTEX_TYXL
08-001	MW08	Water	Field Sample		1420		Na Vid - HC	3	ES08 BTEX_TYXL
09-001	MW09	Water	Field Sample		1425		Na Vid - HC	3	ES08 BTEX_TYXL
10-001	MW10	Water	Field Sample		1430		Na Vid - HC	3	ES08 BTEX_TYXL
11-001	MW11	Water	Field Sample		1435		Na Vid - HC	3	ES08 BTEX_TYXL

Turn Around Time (Check)

Same Day   
24 Hours   
48 Hours

Sample Integrity:

Temperature Upon Receipt   
Intact  No

Relinquished By \_\_\_\_\_ Date \_\_\_\_\_

Received By \_\_\_\_\_ Date \_\_\_\_\_

Relinquished By  Date 1/29/13 16:30  
Received By  Date 1/29/13 16:30



LT Environmental, Inc.  
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02/04/13 12:05

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Client: LT Environmental, Inc.  
Project: KMG - Wass #5

Project Manager: John Cocroft  
Project Number: KMG 08397

Number	Sample Identification	Matrix	Type	Sample Date	Sample Time	Sampled By	Container	Qty	Analytes
12-401	MW12	Water	Field Sample	1/29/13	1440	JD	New Vial - HC	3	ES408 BTEX, TVXL
13-401	MW13	Water	Field Sample	↓	1445	↓	New Vial - HC	3	ES408 BTEX, TVXL
14-401	MW14	Water	Field Sample	↓	1450	↓	New Vial - HC	3	ES408 BTEX, TVXL

Turn Around Time (Check)

See By:  11 Hours  Standard

2 Hours  48 Hours

Sample Integrity: 59

Temperature Upon Receipt: \_\_\_\_\_

Label:  Yes  No

  

Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_

Received By: \_\_\_\_\_ Date: 1/29/13 1650





LT Environmental, Inc.  
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 Arvada CO, 80003

Project: KMG - Wass #5

Project Number: KMG 08397  
 Project Manager: John Cocroft

**Reported:**  
 02/04/13 12:05

**MW01**  
**R301192-01 (Water)**

**Summit Scientific**

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

Date Sampled: **01/29/13 13:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>1.7</b>	1.0	ug/l	1	3013113	01/31/13	02/02/13	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>1.1</b>	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **01/29/13 13:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		105 %	37-154		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		100 %	45-149		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		92.9 %	45-146		"	"	"	"	

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

Project: KMG - Wass #5

Project Number: KMG 08397  
 Project Manager: John Cocroft

**Reported:**  
 02/04/13 12:05

**MW02**  
**R301192-02 (Water)**

**Summit Scientific**

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

Date Sampled: **01/29/13 13:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	3013113	01/31/13	02/02/13	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **01/29/13 13:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		107 %	37-154		"	"	"	"	
Surrogate: Toluene-d8		101 %	45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		103 %	45-146		"	"	"	"	

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 Arvada CO, 80003

Project: KMG - Wass #5

Project Number: KMG 08397  
 Project Manager: John Cocroft

**Reported:**  
 02/04/13 12:05

**MW03**  
**R301192-03 (Water)**

**Summit Scientific**

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

Date Sampled: **01/29/13 13:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	3013113	01/31/13	02/02/13	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **01/29/13 13:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		102 %	37-154		"	"	"	"	
Surrogate: Toluene-d8		99.0 %	45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		106 %	45-146		"	"	"	"	

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Arvada CO, 80003

Project: KMG - Wass #5

Project Number: KMG 08397  
Project Manager: John Cocroft

**Reported:**  
02/04/13 12:05

**MW04**  
**R301192-04 (Water)**

**Summit Scientific**

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

Date Sampled: **01/29/13 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	3013113	01/31/13	02/02/13	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **01/29/13 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		105 %	37-154		"	"	"	"	
Surrogate: Toluene-d8		97.4 %	45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	45-146		"	"	"	"	

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Project: KMG - Wass #5

Project Number: KMG 08397  
 Project Manager: John Cocroft

**Reported:**  
 02/04/13 12:05

**MW05**  
**R301192-05 (Water)**

**Summit Scientific**

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

Date Sampled: **01/29/13 14:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>3.0</b>	1.0	ug/l	1	3013113	01/31/13	02/02/13	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>8.1</b>	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **01/29/13 14:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	37-154		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		97.8 %	45-149		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		100 %	45-146		"	"	"	"	

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Project: KMG - Wass #5

Project Number: KMG 08397  
 Project Manager: John Cocroft

**Reported:**  
 02/04/13 12:05

**MW06**  
**R301192-06 (Water)**

**Summit Scientific**

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

Date Sampled: **01/29/13 14:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	3013113	01/31/13	02/02/13	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **01/29/13 14:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		100 %	37-154		"	"	"	"	
Surrogate: Toluene-d8		96.4 %	45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		108 %	45-146		"	"	"	"	

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Project: KMG - Wass #5

Project Number: KMG 08397  
 Project Manager: John Cocroft

**Reported:**  
 02/04/13 12:05

**MW07**

**R301192-07 (Water)**

**Summit Scientific**

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

Date Sampled: **01/29/13 14:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>1.2</b>	1.0	ug/l	1	3013113	01/31/13	02/02/13	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **01/29/13 14:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		106 %	37-154		"	"	"	"	
Surrogate: Toluene-d8		100 %	45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.7 %	45-146		"	"	"	"	

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Project: KMG - Wass #5

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**Reported:**  
 02/04/13 12:05

**MW08**  
**R301192-08 (Water)**

**Summit Scientific**

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

Date Sampled: **01/29/13 14:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	3013113	01/31/13	02/02/13	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **01/29/13 14:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		101 %	37-154		"	"	"	"	
Surrogate: Toluene-d8		96.7 %	45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.1 %	45-146		"	"	"	"	

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Project Number: KMG 08397  
 Project Manager: John Cocroft

**Reported:**  
 02/04/13 12:05

**MW09**  
**R301192-09 (Water)**

**Summit Scientific**

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

Date Sampled: **01/29/13 14:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	3013113	01/31/13	02/02/13	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **01/29/13 14:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		101 %	37-154		"	"	"	"	
Surrogate: Toluene-d8		94.8 %	45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	45-146		"	"	"	"	

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 Arvada CO, 80003

Project: KMG - Wass #5

Project Number: KMG 08397  
 Project Manager: John Cocroft

**Reported:**  
 02/04/13 12:05

**MW10**  
**R301192-10 (Water)**

**Summit Scientific**

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

Date Sampled: **01/29/13 14:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	3013113	01/31/13	02/02/13	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>2.6</b>	1.0	"	"	"	"	"	"	

Date Sampled: **01/29/13 14:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		98.5 %	37-154		"	"	"	"	
Surrogate: Toluene-d8		93.2 %	45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		103 %	45-146		"	"	"	"	

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**Reported:**  
 02/04/13 12:05

**MW11**  
**R301192-11 (Water)**

**Summit Scientific**

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

Date Sampled: **01/29/13 14:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	3013113	01/31/13	02/02/13	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **01/29/13 14:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		98.2 %	37-154		"	"	"	"	
Surrogate: Toluene-d8		95.8 %	45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	45-146		"	"	"	"	

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Project: KMG - Wass #5

Project Number: KMG 08397  
 Project Manager: John Cocroft

**Reported:**  
 02/04/13 12:05

**MW12**  
**R301192-12 (Water)**

**Summit Scientific**

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

Date Sampled: **01/29/13 14:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	3013113	01/31/13	02/02/13	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **01/29/13 14:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		100 %	37-154		"	"	"	"	
Surrogate: Toluene-d8		97.1 %	45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	45-146		"	"	"	"	

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 Project Manager: John Cocroft

**Reported:**  
 02/04/13 12:05

**MW13**  
**R301192-13 (Water)**

**Summit Scientific**

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

Date Sampled: **01/29/13 14:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	3013113	01/31/13	02/02/13	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **01/29/13 14:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		101 %	37-154		"	"	"	"	
Surrogate: Toluene-d8		95.4 %	45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.2 %	45-146		"	"	"	"	

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 Arvada CO, 80003

Project: KMG - Wass #5

Project Number: KMG 08397  
 Project Manager: John Cocroft

**Reported:**  
 02/04/13 12:05

**MW14**  
**R301192-14 (Water)**

**Summit Scientific**

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

Date Sampled: **01/29/13 14:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	3013113	01/31/13	02/02/13	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **01/29/13 14:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		98.3 %	37-154		"	"	"	"	
Surrogate: Toluene-d8		96.4 %	45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	45-146		"	"	"	"	

Summit Scientific

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

Project: KMG - Wass #5

Project Number: KMG 08397  
Project Manager: John Cocroft

Reported:  
02/04/13 12:05

**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 3013113 - EPA 5030 Water MS**

**Blank (3013113-BLK1)**

Prepared: 01/31/13 Analyzed: 02/01/13

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	1.0	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>13.9</i>		<i>"</i>	<i>13.2</i>		<i>105</i>	<i>37-154</i>			
<i>Surrogate: Toluene-d8</i>	<i>12.9</i>		<i>"</i>	<i>13.3</i>		<i>97.1</i>	<i>45-149</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>14.4</i>		<i>"</i>	<i>13.3</i>		<i>108</i>	<i>45-146</i>			

**Blank (3013113-BLK2)**

Prepared: 01/31/13 Analyzed: 02/01/13

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	1.0	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>13.7</i>		<i>"</i>	<i>13.2</i>		<i>104</i>	<i>37-154</i>			
<i>Surrogate: Toluene-d8</i>	<i>13.2</i>		<i>"</i>	<i>13.3</i>		<i>99.0</i>	<i>45-149</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>13.9</i>		<i>"</i>	<i>13.3</i>		<i>104</i>	<i>45-146</i>			

**LCS (3013113-BS1)**

Prepared: 01/31/13 Analyzed: 02/01/13

Benzene	22.0	1.0	ug/l	33.3		65.9	51-132			
Toluene	23.6	1.0	"	33.3		70.8	51-138			
Ethylbenzene	23.7	1.0	"	33.3		71.1	58-146			
m,p-Xylene	48.6	2.0	"	66.7		72.9	57-144			
o-Xylene	23.7	1.0	"	33.3		71.0	53-146			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>14.4</i>		<i>"</i>	<i>13.2</i>		<i>109</i>	<i>37-154</i>			
<i>Surrogate: Toluene-d8</i>	<i>13.3</i>		<i>"</i>	<i>13.3</i>		<i>99.5</i>	<i>45-149</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>13.4</i>		<i>"</i>	<i>13.3</i>		<i>100</i>	<i>45-146</i>			

**LCS (3013113-BS2)**

Prepared: 01/31/13 Analyzed: 02/01/13

Benzene	21.2	1.0	ug/l	33.3		63.5	51-132			
Toluene	22.6	1.0	"	33.3		67.8	51-138			
Ethylbenzene	23.8	1.0	"	33.3		71.3	58-146			
m,p-Xylene	48.8	2.0	"	66.7		73.2	57-144			
o-Xylene	23.9	1.0	"	33.3		71.7	53-146			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>13.2</i>		<i>"</i>	<i>13.2</i>		<i>99.5</i>	<i>37-154</i>			
<i>Surrogate: Toluene-d8</i>	<i>13.1</i>		<i>"</i>	<i>13.3</i>		<i>98.3</i>	<i>45-149</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>13.7</i>		<i>"</i>	<i>13.3</i>		<i>103</i>	<i>45-146</i>			

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

Project: KMG - Wass #5

Project Number: KMG 08397  
Project Manager: John Cocroft

Reported:  
02/04/13 12:05

**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 3013113 - EPA 5030 Water MS**

**LCS Dup (3013113-BSD1)**

Prepared: 01/31/13 Analyzed: 02/01/13

Benzene	20.9	1.0	ug/l	33.3	62.8	51-132	4.81	17	
Toluene	22.2	1.0	"	33.3	66.7	51-138	5.89	17	
Ethylbenzene	23.3	1.0	"	33.3	69.9	58-146	1.70	16	
m,p-Xylene	47.9	2.0	"	66.7	71.8	57-144	1.51	16	
o-Xylene	23.2	1.0	"	33.3	69.8	53-146	1.79	15	
Surrogate: 1,2-Dichloroethane-d4	13.7		"	13.2	103	37-154			
Surrogate: Toluene-d8	12.9		"	13.3	97.1	45-149			
Surrogate: 4-Bromofluorobenzene	13.7		"	13.3	103	45-146			

**LCS Dup (3013113-BSD2)**

Prepared: 01/31/13 Analyzed: 02/01/13

Benzene	20.4	1.0	ug/l	33.3	61.3	51-132	3.56	17	
Toluene	21.8	1.0	"	33.3	65.5	51-138	3.42	17	
Ethylbenzene	23.0	1.0	"	33.3	69.0	58-146	3.21	16	
m,p-Xylene	47.2	2.0	"	66.7	70.7	57-144	3.42	16	
o-Xylene	23.3	1.0	"	33.3	69.8	53-146	2.67	15	
Surrogate: 1,2-Dichloroethane-d4	13.7		"	13.2	104	37-154			
Surrogate: Toluene-d8	12.6		"	13.3	94.6	45-149			
Surrogate: 4-Bromofluorobenzene	13.7		"	13.3	103	45-146			

**Matrix Spike (3013113-MS1)**

Source: R301192-01

Prepared: 01/31/13 Analyzed: 02/01/13

Benzene	25.7	1.0	ug/l	33.3	1.70	71.9	34-141		
Toluene	24.0	1.0	"	33.3	ND	72.1	27-151		
Ethylbenzene	27.4	1.0	"	33.3	1.06	79.0	29-160		
m,p-Xylene	51.7	2.0	"	66.7	ND	77.6	20-166		
o-Xylene	25.2	1.0	"	33.3	ND	75.6	33-159		
Surrogate: 1,2-Dichloroethane-d4	14.1		"	13.2		106	37-154		
Surrogate: Toluene-d8	13.1		"	13.3		98.3	45-149		
Surrogate: 4-Bromofluorobenzene	12.0		"	13.3		90.2	45-146		

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

Project: KMG - Wass #5

Project Number: KMG 08397  
Project Manager: John Cocroft

Reported:  
02/04/13 12:05

**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 3013113 - EPA 5030 Water MS**

<b>Matrix Spike (3013113-MS2)</b>	<b>Source: R301192-02</b>			Prepared: 01/31/13		Analyzed: 02/02/13				
Benzene	20.5	1.0	ug/l	33.3	ND	61.4	34-141			
Toluene	21.7	1.0	"	33.3	ND	65.2	27-151			
Ethylbenzene	23.0	1.0	"	33.3	ND	69.1	29-160			
m,p-Xylene	47.4	2.0	"	66.7	ND	71.2	20-166			
o-Xylene	22.9	1.0	"	33.3	ND	68.8	33-159			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>12.9</i>		<i>"</i>	<i>13.2</i>		<i>97.3</i>	<i>37-154</i>			
<i>Surrogate: Toluene-d8</i>	<i>13.1</i>		<i>"</i>	<i>13.3</i>		<i>98.3</i>	<i>45-149</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>13.4</i>		<i>"</i>	<i>13.3</i>		<i>101</i>	<i>45-146</i>			

<b>Matrix Spike Dup (3013113-MSD1)</b>	<b>Source: R301192-01</b>			Prepared: 01/31/13		Analyzed: 02/01/13				
Benzene	22.1	1.0	ug/l	33.3	1.70	61.1	34-141	15.1	32	
Toluene	20.7	1.0	"	33.3	ND	62.0	27-151	15.0	25	
Ethylbenzene	22.4	1.0	"	33.3	1.06	63.9	29-160	20.2	50	
m,p-Xylene	42.8	2.0	"	66.7	ND	64.3	20-166	18.7	36	
o-Xylene	21.1	1.0	"	33.3	ND	63.3	33-159	17.6	26	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>14.5</i>		<i>"</i>	<i>13.2</i>		<i>110</i>	<i>37-154</i>			
<i>Surrogate: Toluene-d8</i>	<i>13.5</i>		<i>"</i>	<i>13.3</i>		<i>101</i>	<i>45-149</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>13.0</i>		<i>"</i>	<i>13.3</i>		<i>97.3</i>	<i>45-146</i>			

<b>Matrix Spike Dup (3013113-MSD2)</b>	<b>Source: R301192-02</b>			Prepared: 01/31/13		Analyzed: 02/02/13				
Benzene	20.0	1.0	ug/l	33.3	ND	60.0	34-141	2.32	32	
Toluene	21.4	1.0	"	33.3	ND	64.2	27-151	1.53	25	
Ethylbenzene	22.1	1.0	"	33.3	ND	66.3	29-160	4.08	50	
m,p-Xylene	44.8	2.0	"	66.7	ND	67.2	20-166	5.75	36	
o-Xylene	22.2	1.0	"	33.3	ND	66.6	33-159	3.28	26	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>14.1</i>		<i>"</i>	<i>13.2</i>		<i>106</i>	<i>37-154</i>			
<i>Surrogate: Toluene-d8</i>	<i>13.2</i>		<i>"</i>	<i>13.3</i>		<i>99.2</i>	<i>45-149</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>13.6</i>		<i>"</i>	<i>13.3</i>		<i>102</i>	<i>45-146</i>			

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

Project: KMG - Wass #5

Project Number: KMG 08397  
Project Manager: John Cocroft

**Reported:**  
02/04/13 12:05

### 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