

# Summit Scientific

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741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.374.5933 - fax

January 12, 2009

John Cocroft

LT Environmental, Inc.

4600 West 60th Avenue

Arvada, CO 80003

RE: KMG - Edward Hemple UT #1

Enclosed are the results of analyses for samples received by Summit Scientific on 01/09/09 16:45. 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' or 'Shrewsbury', 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 - Edward Hemple UT #1  
Project Number: KMG 08451  
Project Manager: John Cocroft

**Reported:**  
01/12/09 10:39

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GW01	R901047-01	Water	01/09/09 13:00	01/09/09 16:45
W01@5'	R901047-03	Soil	01/09/09 12:35	01/09/09 16:45
E01@5'	R901047-05	Soil	01/09/09 12:45	01/09/09 16:45
S01@5'	R901047-06	Soil	01/09/09 12:50	01/09/09 16:45
S02@5'	R901047-07	Soil	01/09/09 12:55	01/09/09 16:45

Summit Scientific

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

Project: KMG - Edward Hemple UT #1

Project Number: KMG 08451  
Project Manager: John Cocroft

Reported:  
01/12/09 10:39

Summit Scientific 2901047

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

Page 1 of 1

Client: LT Environmental, Inc.  
Address: 4600 West 60th Avenue  
City/State/Zip: Arvada, CO 80003  
Phone: (303) 433-9788  
Fax: (303) 433-1432  
Project Name: Edward Hemple UT #1  
Project Number: KMG-08451  
Sampler Name: Philip Healy

Project Manager: John Cocroft

E-Mail: [jcocroft@ltenv.com](mailto:jcocroft@ltenv.com)

Project Name: Edward Hemple UT #1

Project Number: KMG-08451

Sample Description	Date Sampled	Time Sampled	Number of Containers	Preservative				Matrix				Analyze For:				Special Instructions	Notes
				HCl	HNO <sub>3</sub>	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)	Total Carbon Chain	BTEX				
GW01	1-9-09	1300	2	X				X									
N0105'	1-9-09	1230	1							X							
W0105'	1-9-09	1235	1							X							
N0205'	1-9-09	1240	1							X							
E0105'	1-9-09	1245	1							X							
S0105'	1-9-09	1250	1							X							
S0205'	1-9-09	1255	1							X							
<p>Relinquished by: <u>PHL</u> Date/Time: <u>1-9-09/1645</u></p> <p>Received by: _____ Date/Time: _____</p> <p>Relinquished by: _____ Date/Time: _____</p> <p>Received by: <u>PHL</u> Date/Time: <u>1-9-09/1645</u></p>																	

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

Project: KMG - Edward Hemple UT #1  
Project Number: KMG 08451  
Project Manager: John Cocroft

Reported:  
01/12/09 10:39

**GW01**  
**R901047-01 (Water)**

**Summit Scientific**

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

Date Sampled: **01/09/09 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>890</b>	20	ug/l	20	9010903	01/09/09	01/12/09	EPA 8260B	
<b>Toluene</b>	<b>1600</b>	20	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>140</b>	1.0	"	1	"	"	"	"	
<b>Xylenes (total)</b>	<b>2700</b>	20	"	20	"	"	"	"	

Date Sampled: **01/09/09 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.5 %	77.3-121		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		101 %	91.4-107		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		99.2 %	85.3-109		"	"	"	"	

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

Project: KMG - Edward Hemple UT #1

Project Number: KMG 08451  
Project Manager: John Cocroft

Reported:  
01/12/09 10:39

**W01@5'**  
**R901047-03 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **01/09/09 12:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>C6-C10 (TEPH-GRO)</b>	<b>310</b>	50	mg/kg	1	9011001	01/10/09	01/10/09	8015 Full Carbon Chain	
<b>C10-C28 (TEPH-DRO)</b>	<b>120</b>	50	"	"	"	"	"	"	
C28-C36 (TEPH-ORO)	ND	50	"	"	"	"	"	"	
<b>C6-C36 Total TEPH</b>	<b>420</b>	50	"	"	"	"	"	"	

Date Sampled: **01/09/09 12:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		94.8 %	77.7-123		"	"	"	"	
Surrogate: Trifluorotoluene		75.2 %	73.9-116		"	"	"	"	

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

Project: KMG - Edward Hemple UT #1

Project Number: KMG 08451  
Project Manager: John Cocroft

Reported:  
01/12/09 10:39

**E01@5'**  
**R901047-05 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **01/09/09 12:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>C6-C10 (TEPH-GRO)</b>	<b>300</b>	50	mg/kg	1	9011001	01/10/09	01/10/09	8015 Full Carbon Chain	
<b>C10-C28 (TEPH-DRO)</b>	<b>130</b>	50	"	"	"	"	"	"	
C28-C36 (TEPH-ORO)	ND	50	"	"	"	"	"	"	
<b>C6-C36 Total TEPH</b>	<b>440</b>	50	"	"	"	"	"	"	

Date Sampled: **01/09/09 12:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		92.4 %	77.7-123		"	"	"	"	
Surrogate: Trifluorotoluene		72.6 %	73.9-116		"	"	"	"	

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

Project: KMG - Edward Hemple UT #1

Project Number: KMG 08451  
Project Manager: John Cocroft

Reported:  
01/12/09 10:39

**S01@5'**  
**R901047-06 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **01/09/09 12:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>C6-C10 (TEPH-GRO)</b>	<b>50</b>	50	mg/kg	1	9011001	01/10/09	01/10/09	8015 Full Carbon Chain	
C10-C28 (TEPH-DRO)	ND	50	"	"	"	"	"	"	
C28-C36 (TEPH-ORO)	ND	50	"	"	"	"	"	"	
<b>C6-C36 Total TEPH</b>	<b>50</b>	50	"	"	"	"	"	"	

Date Sampled: **01/09/09 12:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		93.0 %	77.7-123		"	"	"	"	
Surrogate: Trifluorotoluene		67.1 %	73.9-116		"	"	"	"	

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

Project: KMG - Edward Hemple UT #1

Project Number: KMG 08451  
Project Manager: John Cocroft

Reported:  
01/12/09 10:39

**S02@5'**  
**R901047-07 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **01/09/09 12:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C10 (TEPH-GRO)	ND	50	mg/kg	1	9011001	01/10/09	01/10/09	8015 Full Carbon Chain	
C10-C28 (TEPH-DRO)	ND	50	"	"	"	"	"	"	
C28-C36 (TEPH-ORO)	ND	50	"	"	"	"	"	"	
C6-C36 Total TEPH	ND	50	"	"	"	"	"	"	

Date Sampled: **01/09/09 12:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		93.0 %	77.7-123		"	"	"	"	
Surrogate: Trifluorotoluene		69.1 %	73.9-116		"	"	"	"	

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LT Environmental, Inc.  
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Arvada CO, 80003

Project: KMG - Edward Hemple UT #1  
Project Number: KMG 08451  
Project Manager: John Cocroft

Reported:  
01/12/09 10:39

**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 9011001 - EPA 5030 Soil GC**

**Blank (9011001-BLK1)**

Prepared: 01/10/09 Analyzed: 01/11/09

C6-C10 (TEPH-GRO)	ND	50	mg/kg							
C10-C28 (TEPH-DRO)	ND	50	"							
C28-C36 (TEPH-ORO)	ND	50	"							
C6-C36 Total TEPH	ND	50	"							

**LCS (9011001-BS1)**

Prepared: 01/10/09 Analyzed: 01/11/09

C10-C28 (TEPH-DRO)	442	50	mg/kg	500	88.4	83.3-127				
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**LCS Dup (9011001-BSD1)**

Prepared: 01/10/09 Analyzed: 01/11/09

C10-C28 (TEPH-DRO)	413	50	mg/kg	500	82.6	83.3-127	6.78	15		
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**Matrix Spike (9011001-MS1)**

Source: R901040-01

Prepared: 01/10/09 Analyzed: 01/11/09

C10-C28 (TEPH-DRO)	507	50	mg/kg	500	99	81.6	75.8-126			
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**Matrix Spike Dup (9011001-MSD1)**

Source: R901040-01

Prepared: 01/10/09 Analyzed: 01/11/09

C10-C28 (TEPH-DRO)	509	50	mg/kg	500	99	82.0	75.8-126	0.394	13.6	
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Project: KMG - Edward Hemple UT #1  
Project Number: KMG 08451  
Project Manager: John Cocroft

Reported:  
01/12/09 10:39

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

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

**Batch 9010903 - EPA 5030 Water MS**

**Blank (9010903-BLK1)**

Prepared: 01/09/09 Analyzed: 01/10/09

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	13.8		"	13.3		104	77.3-121			
Surrogate: Toluene-d8	13.4		"	13.3		101	91.4-107			
Surrogate: 4-Bromofluorobenzene	12.4		"	13.3		93.2	85.3-109			

**LCS (9010903-BS1)**

Prepared: 01/09/09 Analyzed: 01/10/09

Benzene	24.3	1.0	ug/l	33.3		73.0	70-114			
Toluene	27.0	1.0	"	33.3		81.1	72.7-116			
Surrogate: 1,2-Dichloroethane-d4	13.8		"	13.3		104	77.3-121			
Surrogate: Toluene-d8	13.6		"	13.3		102	91.4-107			
Surrogate: 4-Bromofluorobenzene	12.6		"	13.3		94.7	85.3-109			

**LCS Dup (9010903-BSD1)**

Prepared: 01/09/09 Analyzed: 01/10/09

Benzene	25.4	1.0	ug/l	33.3		76.3	70-114	4.43	8.14	
Toluene	27.9	1.0	"	33.3		83.8	72.7-116	3.28	7.88	
Surrogate: 1,2-Dichloroethane-d4	13.6		"	13.3		102	77.3-121			
Surrogate: Toluene-d8	13.2		"	13.3		99.2	91.4-107			
Surrogate: 4-Bromofluorobenzene	12.3		"	13.3		92.5	85.3-109			

**Matrix Spike (9010903-MS1)**

Source: R901039-02

Prepared: 01/09/09 Analyzed: 01/10/09

Benzene	27.6	1.0	ug/l	33.3	ND	82.9	66.8-117			
Toluene	30.2	1.0	"	33.3	ND	90.7	71.5-117			
Surrogate: 1,2-Dichloroethane-d4	13.7		"	13.3		103	77.3-121			
Surrogate: Toluene-d8	13.3		"	13.3		100	91.4-107			
Surrogate: 4-Bromofluorobenzene	12.2		"	13.3		91.7	85.3-109			

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4600 West 60th Avenue  
Arvada CO, 80003

Project: KMG - Edward Hemple UT #1  
Project Number: KMG 08451  
Project Manager: John Cocroft

**Reported:**  
01/12/09 10:39

### 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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741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.374.5933 - fax

January 14, 2009

John Cocroft

LT Environmental, Inc.

4600 West 60th Avenue

Arvada, CO 80003

RE: KMG - Edward Hemple UT #1

Enclosed are the results of analyses for samples received by Summit Scientific on 01/13/09 16:44. 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' or 'Shrewsbury', 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 - Edward Hemple UT #1  
Project Number: KMG 08451  
Project Manager: John Cocroft

Reported:  
01/14/09 09:03

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
N01@5'	R901055-01	Soil	01/13/09 13:15	01/13/09 16:44

Sample Description <b>N01@5'</b>	Date Sampled <b>1-13-09</b>	Time Sampled <b>13:15</b>	Number of Containers <b>1</b>	Preservative		Matrix		Analyze For:		Special Instructions
				HCl	None	Groundwater	Soil	Other (Specify)	Total Carbon Chain	
Relinquished by: _____ Date/Time: _____				Received by: <b>MR 1-13-09</b>		Date/Time: <b>16:44</b>		Turn Around Time (Check)		Notes:
Relinquished by: _____ Date/Time: _____				Received by: _____		Date/Time: _____		Same Day <input checked="" type="checkbox"/> 24 Hours <input type="checkbox"/> 72 Hours <input type="checkbox"/> Standard <input type="checkbox"/>		
Relinquished by: _____ Date/Time: _____				Received in Lab by: _____		Date/Time: _____		Sample Integrity: <input checked="" type="checkbox"/> Intact <input type="checkbox"/> No		

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Client: LT Environmental, Inc.  
Address: 4600 West 60th Avenue  
City/State/Zip: Arvada, CO 80003  
Phone: (303) 433-9788 Fax: (303) 433-1432  
Project Manager: John Cocroft  
F-Mail: jcocroft@ltenv.com  
Project Name: **Hemple Edward**  
Project Number: **KMG08451**  
Sampler Name: **Philip Hest**

Summit Scientific  
741 Corporate Circle Suite 1 • Golden, Colorado 80401  
303-277-9310 • 303-277-9331 Fax  
**52**  
**R901055**

Page 1 of 1



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

Project: KMG - Edward Hemple UT #1

Project Number: KMG 08451  
Project Manager: John Cocroft

Reported:  
01/14/09 09:03

**N01@5'**  
**R901055-01 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **01/13/09 13:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C10 (TEPH-GRO)	ND	50	mg/kg	1	9011304	01/13/09	01/13/09	8015 Full Carbon Chain	
C10-C28 (TEPH-DRO)	ND	50	"	"	"	"	"	"	
C28-C36 (TEPH-ORO)	ND	50	"	"	"	"	"	"	
C6-C36 Total TEPH	ND	50	"	"	"	"	"	"	

Date Sampled: **01/13/09 13:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		92.8 %	77.7-123		"	"	"	"	
Surrogate: Trifluorotoluene		74.5 %	73.9-116		"	"	"	"	

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4600 West 60th Avenue  
Arvada CO, 80003

Project: KMG - Edward Hemple UT #1  
Project Number: KMG 08451  
Project Manager: John Cocroft

Reported:  
01/14/09 09:03

**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 9011304 - EPA 3550A**

**Blank (9011304-BLK1)**

Prepared: 01/13/09 Analyzed: 01/14/09

C6-C10 (TEPH-GRO)	ND	50	mg/kg							
C10-C28 (TEPH-DRO)	ND	50	"							
C28-C36 (TEPH-ORO)	ND	50	"							
C6-C36 Total TEPH	ND	50	"							

**LCS (9011304-BS1)**

Prepared: 01/13/09 Analyzed: 01/14/09

C10-C28 (TEPH-DRO)	452	50	mg/kg	500		90.4	83.3-127			
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**LCS Dup (9011304-BSD1)**

Prepared: 01/13/09 Analyzed: 01/14/09

C10-C28 (TEPH-DRO)	401	50	mg/kg	500		80.2	83.3-127	12.0	15	
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**Matrix Spike (9011304-MS1)**

Source: R901049-01

Prepared: 01/13/09 Analyzed: 01/14/09

C10-C28 (TEPH-DRO)	471	50	mg/kg	500	ND	94.2	75.8-126			
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**Matrix Spike Dup (9011304-MSD1)**

Source: R901049-01

Prepared: 01/13/09 Analyzed: 01/14/09

C10-C28 (TEPH-DRO)	481	50	mg/kg	500	ND	96.2	75.8-126	2.10	13.6	
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4600 West 60th Avenue  
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Project: KMG - Edward Hemple UT #1  
Project Number: KMG 08451  
Project Manager: John Cocroft

**Reported:**  
01/14/09 09:03

### 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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January 16, 2009

John Cocroft

LT Environmental, Inc.

4600 West 60th Avenue

Arvada, CO 80003

RE: KMG - Edward Hemple UT #1

Enclosed are the results of analyses for samples received by Summit Scientific on 01/15/09 19:20. 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' or 'Shrewsbury', 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 - Edward Hemple UT #1  
Project Number: KMG 08451  
Project Manager: John Cocroft

**Reported:**  
01/16/09 09:05

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
E02@5'	R901068-01	Soil	01/15/09 15:40	01/15/09 19:20
N02@5'	R901068-02	Soil	01/15/09 15:35	01/15/09 19:20

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4600 West 60th Avenue  
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Project: KMG - Edward Hemple UT #1

Project Number: KMG 08451  
Project Manager: John Cocroft

Reported:  
01/16/09 09:05

**E02@5'**  
**R901068-01 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **01/15/09 15:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>C6-C10 (TEPH-GRO)</b>	<b>640</b>	50	mg/kg	1	9011505	01/15/09	01/15/09	8015 Full Carbon Chain	
<b>C10-C28 (TEPH-DRO)</b>	<b>150</b>	50	"	"	"	"	"	"	
C28-C36 (TEPH-ORO)	ND	50	"	"	"	"	"	"	
<b>C6-C36 Total TEPH</b>	<b>790</b>	50	"	"	"	"	"	"	

Date Sampled: **01/15/09 15:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		99.4 %	77.7-123		"	"	"	"	
Surrogate: Trifluorotoluene		108 %	73.9-116		"	"	"	"	

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 - Edward Hemple UT #1

Project Number: KMG 08451  
Project Manager: John Cocroft

Reported:  
01/16/09 09:05

**N02@5'**  
**R901068-02 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **01/15/09 15:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C10 (TEPH-GRO)	ND	50	mg/kg	1	9011505	01/15/09	01/16/09	8015 Full Carbon Chain	
C10-C28 (TEPH-DRO)	ND	50	"	"	"	"	"	"	
C28-C36 (TEPH-ORO)	ND	50	"	"	"	"	"	"	
C6-C36 Total TEPH	ND	50	"	"	"	"	"	"	

Date Sampled: **01/15/09 15:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		101 %	77.7-123		"	"	"	"	
Surrogate: Trifluorotoluene		111 %	73.9-116		"	"	"	"	

Summit Scientific

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

Project: KMG - Edward Hemple UT #1  
Project Number: KMG 08451  
Project Manager: John Cocroft

Reported:  
01/16/09 09:05

**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 9011505 - EPA 3550A**

**Blank (9011505-BLK1)**

Prepared: 01/15/09 Analyzed: 01/16/09

C6-C10 (TEPH-GRO)	ND	50	mg/kg							
C10-C28 (TEPH-DRO)	ND	50	"							
C28-C36 (TEPH-ORO)	ND	50	"							
C6-C36 Total TEPH	ND	50	"							

**LCS (9011505-BS1)**

Prepared: 01/15/09 Analyzed: 01/16/09

C10-C28 (TEPH-DRO)	463	50	mg/kg	500		92.6	83.3-127			
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**LCS Dup (9011505-BSD1)**

Prepared: 01/15/09 Analyzed: 01/16/09

C10-C28 (TEPH-DRO)	469	50	mg/kg	500		93.8	83.3-127	1.29	15	
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**Matrix Spike (9011505-MS1)**

Source: R901069-01

Prepared: 01/15/09 Analyzed: 01/16/09

C10-C28 (TEPH-DRO)	1230	50	mg/kg	500	510	144	75.8-126			QM-06
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**Matrix Spike Dup (9011505-MSD1)**

Source: R901069-01

Prepared: 01/15/09 Analyzed: 01/16/09

C10-C28 (TEPH-DRO)	1300	50	mg/kg	500	510	158	75.8-126	5.53	13.6	QM-06
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Summit Scientific

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

Project: KMG - Edward Hemple UT #1  
Project Number: KMG 08451  
Project Manager: John Cocroft

**Reported:**  
01/16/09 09:05

### Notes and Definitions

QM-06 Due to noted non-homogeneity of the QC sample matrix, the MS/MSD did not provide reliable results for accuracy and precision. Sample results for the QC batch were accepted based on LCS/LCSD percent recoveries and RPD values.

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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741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.374.5933 - fax

January 20, 2009

John Cocroft

LT Environmental, Inc.

4600 West 60th Avenue

Arvada, CO 80003

RE: KMG - Edward Hemple UT #1

Enclosed are the results of analyses for samples received by Summit Scientific on 01/19/09 16:26. 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' or 'Shrewsbury', 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 - Edward Hemple UT #1

Project Number: KMG 08451  
Project Manager: John Cocroft

Reported:  
01/20/09 07:56

## ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
W02@5'	R901097-01	Soil	01/19/09 13:15	01/19/09 16:26

Summit Scientific 290097

**S<sub>2</sub>**  
741 Corporate Circle Suite 1 ♦ Golden, Colorado 80401  
303-277-9310 ♦ 303-277-9531 Fax

Page 7 of 7

Client:	LT Environmental, Inc.	Project Manager:	John Cocroft
Address:	4600 West 60th Avenue	E-Mail:	johnco@ltenv.com
City/State/Zip:	Arvada, CO 80003	Project Name:	Hempel Edwards
Phone:	(303) 433-9788	Project Number:	PHG-8845
Fax:	(303) 433-1432		
Sampler Name:	Phillip Howard		

[illegible]

[www.s2scientific.com](http://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: KMG - Edward Hemple UT #1  
Project Number: KMG 08451  
Project Manager: John Cocroft

Reported:  
01/20/09 07:56

**W02@5'**  
**R901097-01 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **01/19/09 13:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>C6-C10 (TEPH-GRO)</b>	<b>260</b>	50	mg/kg	1	9011906	01/19/09	01/19/09	8015 Full Carbon Chain	
<b>C10-C28 (TEPH-DRO)</b>	<b>87</b>	50	"	"	"	"	"	"	
C28-C36 (TEPH-ORO)	ND	50	"	"	"	"	"	"	
<b>C6-C36 Total TEPH</b>	<b>350</b>	50	"	"	"	"	"	"	

Date Sampled: **01/19/09 13:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		98.4 %	77.7-123		"	"	"	"	
Surrogate: Trifluorotoluene		102 %	73.9-120		"	"	"	"	

Summit Scientific

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

Project: KMG - Edward Hemple UT #1  
Project Number: KMG 08451  
Project Manager: John Cocroft

**Reported:**  
01/20/09 07:56

**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 9011906 - EPA 3550A**

**Blank (9011906-BLK1)**

Prepared & Analyzed: 01/19/09

C6-C10 (TEPH-GRO)	ND	50	mg/kg							
C10-C28 (TEPH-DRO)	ND	50	"							
C28-C36 (TEPH-ORO)	ND	50	"							
C6-C36 Total TEPH	ND	50	"							

**LCS (9011906-BS1)**

Prepared & Analyzed: 01/19/09

C10-C28 (TEPH-DRO)	506	50	mg/kg	500	101	83.3-127				
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**LCS Dup (9011906-BSD1)**

Prepared & Analyzed: 01/19/09

C10-C28 (TEPH-DRO)	465	50	mg/kg	500	93.0	83.3-127	8.44	15		
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**Matrix Spike (9011906-MS1)**

**Source: R901096-01**

Prepared & Analyzed: 01/19/09

C10-C28 (TEPH-DRO)	452	50	mg/kg	500	ND	90.4	75.8-126			
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**Matrix Spike Dup (9011906-MSD1)**

**Source: R901096-01**

Prepared & Analyzed: 01/19/09

C10-C28 (TEPH-DRO)	459	50	mg/kg	500	ND	91.8	75.8-126	1.54	13.6	
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Summit Scientific

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

Project: KMG - Edward Hemple UT #1  
Project Number: KMG 08451  
Project Manager: John Cocroft

**Reported:**  
01/20/09 07:56

### 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

