

# Summit Scientific

---

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.374.5933 - fax

April 14, 2008

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

RE: KMG - Abbett Leonard G GU #1

Enclosed are the results of analyses for samples received by Summit Scientific on 04/08/08 18:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Ben Shrewsbury  
Vice President / Laboratory Director



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

Project: KMG - Abbett Leonard G GU #1

Project Number: KMG 05109  
Project Manager: John Cocroft

**Reported:**  
04/14/08 14:17

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB01 3-4'	R804052-01	Soil	04/08/08 16:00	04/08/08 18:00
SB02 2-3'	R804052-02	Soil	04/08/08 16:30	04/08/08 18:00

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: KMG - Abbett Leonard G GU #1

Project Number: KMG 05109  
 Project Manager: John Cocroft

**Reported:**  
 04/14/08 14:17

**SB01 3-4'**  
**R804052-01 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **04/08/08 16:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C10 (TEPH-GRO)	ND	50	mg/kg	1	8041105	04/11/08	04/12/08	8015 Full Carbon Chain	
C10-C28 (TEPH-DRO)	ND	50	"	"	"	"	"	"	
C28-C36 (TEPH-ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/08/08 16:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		83.0 %	70-130		"	"	"	"	
Surrogate: Trifluorotoluene		82.9 %	70-130		"	"	"	"	

Date Sampled: **04/08/08 16:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C36 Total TEPH	0.0		"	"	[CALC]	"	"	EPA 8015	

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 - Abbett Leonard G GU #1

Project Number: KMG 05109  
Project Manager: John Cocroft

**Reported:**  
04/14/08 14:17

**SB02 2-3'**  
**R804052-02 (Soil)**

**Summit Scientific**

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **04/08/08 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C10 (TEPH-GRO)	ND	50	mg/kg	1	8041105	04/11/08	04/12/08	8015 Full Carbon Chain	
C10-C28 (TEPH-DRO)	ND	50	"	"	"	"	"	"	
C28-C36 (TEPH-ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/08/08 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		84.4 %	70-130		"	"	"	"	
Surrogate: Trifluorotoluene		86.3 %	70-130		"	"	"	"	

Date Sampled: **04/08/08 16:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C36 Total TEPH	0.0		"	"	[CALC]	"	"	EPA 8015	

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 - Abbett Leonard G GU #1

Project Number: KMG 05109  
Project Manager: John Cocroft

Reported:  
04/14/08 14:17

### Extractable Petroleum Hydrocarbons by 8015 - Quality Control

### Summit Scientific

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

#### Batch 8041105 - EPA 3550A

##### Blank (8041105-BLK1)

Prepared: 04/11/08 Analyzed: 04/12/08

C6-C10 (TEPH-GRO)	ND	50	mg/kg							
C10-C28 (TEPH-DRO)	ND	50	"							
C28-C36 (TEPH-ORO)	ND	50	"							
Surrogate: <i>o</i> -Terphenyl	42.8		"	50.0		85.6	70-130			
Surrogate: Trifluorotoluene	85.8		"	100		85.8	70-130			

##### LCS (8041105-BS1)

Prepared: 04/11/08 Analyzed: 04/12/08

C10-C28 (TEPH-DRO)	488	50	mg/kg	500		97.6	65.3-142			
Surrogate: <i>o</i> -Terphenyl	48.8		"	0.470		NR	70-130			
Surrogate: Trifluorotoluene	96.5		"	0.940		NR	70-130			

##### LCS Dup (8041105-BSD1)

Prepared: 04/11/08 Analyzed: 04/12/08

C10-C28 (TEPH-DRO)	446	50	mg/kg	500		89.2	65.3-142	8.99	19.7	
Surrogate: <i>o</i> -Terphenyl	42.0		"	0.470		NR	70-130			
Surrogate: Trifluorotoluene	86.1		"	0.940		NR	70-130			

##### Matrix Spike (8041105-MS1)

Source: R804086-01

Prepared: 04/11/08 Analyzed: 04/12/08

C10-C28 (TEPH-DRO)	1210	50	mg/kg	500	ND	242	55.2-139			
Surrogate: <i>o</i> -Terphenyl	44.8		"	0.470		NR	70-130			
Surrogate: Trifluorotoluene	89.1		"	0.940		NR	70-130			

##### Matrix Spike Dup (8041105-MSD1)

Source: R804086-01

Prepared: 04/11/08 Analyzed: 04/12/08

C10-C28 (TEPH-DRO)	1140	50	mg/kg	500	ND	228	55.2-139	5.96	16.7	
Surrogate: <i>o</i> -Terphenyl	42.9		"	0.470		NR	70-130			
Surrogate: Trifluorotoluene	86.6		"	0.940		NR	70-130			

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 - Abbett Leonard G GU #1

Project Number: KMG 05109  
Project Manager: John Cocroft

**Reported:**  
04/14/08 14:17

### 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 06, 2008

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

RE: KMG - Abbett Leonard G GU #1

Enclosed are the results of analyses for samples received by Summit Scientific on 04/30/08 17:40. 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 - Abbett Leonard G GU #1

Project Number: KMG 05109  
Project Manager: John Cocroft

**Reported:**  
05/06/08 13:06

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01	R805003-01	Water	04/30/08 13:30	04/30/08 17:40
MW02	R805003-02	Water	04/30/08 13:40	04/30/08 17:40

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 - Abbett Leonard G GU #1

Project Number: KMG 05109  
 Project Manager: John Cocroft

**Reported:**  
 05/06/08 13:06

**MW01**  
**R805003-01 (Water)**

**Summit Scientific**

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

Date Sampled: **04/30/08 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	8050401	05/04/08	05/05/08	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **04/30/08 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>101 %</i>	<i>90.2-124</i>		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		<i>96.2 %</i>	<i>92.1-106</i>		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>92.5 %</i>	<i>84.5-110</i>		"	"	"	"	

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 - Abbett Leonard G GU #1

Project Number: KMG 05109  
 Project Manager: John Cocroft

**Reported:**  
 05/06/08 13:06

**MW02**  
**R805003-02 (Water)**

**Summit Scientific**

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

Date Sampled: **04/30/08 13:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	8050401	05/04/08	05/05/08	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **04/30/08 13:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.2 %	90.2-124		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		96.2 %	92.1-106		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		94.0 %	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 - Abbett Leonard G GU #1

Project Number: KMG 05109  
Project Manager: John Cocroft

Reported:  
05/06/08 13:06

**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 8050401 - EPA 5030 Water MS**

**Blank (8050401-BLK1)**

Prepared & Analyzed: 05/04/08

Benzene	ND	1.0	ug/l								
Toluene	ND	1.0	"								
Ethylbenzene	ND	1.0	"								
Xylenes (total)	ND	1.0	"								
Surrogate: 1,2-Dichloroethane-d4	13.4		"	13.3	101	90.2-124					
Surrogate: Toluene-d8	12.8		"	13.3	96.2	92.1-106					
Surrogate: 4-Bromofluorobenzene	12.3		"	13.3	92.5	84.5-110					

**LCS (8050401-BS1)**

Prepared & Analyzed: 05/04/08

Benzene	31.1	1.0	ug/l	33.3	93.4	61.4-110					
Toluene	28.3	1.0	"	33.3	85.0	54.2-116					
Surrogate: 1,2-Dichloroethane-d4	13.3		"	13.3	100	90.2-124					
Surrogate: Toluene-d8	12.8		"	13.3	96.2	92.1-106					
Surrogate: 4-Bromofluorobenzene	12.4		"	13.3	93.2	84.5-110					

**LCS Dup (8050401-BSD1)**

Prepared & Analyzed: 05/04/08

Benzene	31.4	1.0	ug/l	33.3	94.3	61.4-110	0.960	11.8			
Toluene	29.5	1.0	"	33.3	88.6	54.2-116	4.15	12.2			
Surrogate: 1,2-Dichloroethane-d4	13.4		"	13.3	101	90.2-124					
Surrogate: Toluene-d8	12.9		"	13.3	97.0	92.1-106					
Surrogate: 4-Bromofluorobenzene	12.4		"	13.3	93.2	84.5-110					

**Matrix Spike (8050401-MS1)**

Source: R804224-01

Prepared & Analyzed: 05/04/08

Benzene	31.6	1.0	ug/l	33.3	ND	94.9	61.5-109				
Toluene	29.9	1.0	"	33.3	ND	89.8	55.6-113				
Surrogate: 1,2-Dichloroethane-d4	13.4		"	13.3	101	90.2-124					
Surrogate: Toluene-d8	12.9		"	13.3	97.0	92.1-106					
Surrogate: 4-Bromofluorobenzene	12.5		"	13.3	94.0	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 - Abbett Leonard G GU #1

Project Number: KMG 05109  
 Project Manager: John Cocroft

Reported:  
 05/06/08 13:06

**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 8050401 - EPA 5030 Water MS**

<b>Matrix Spike Dup (8050401-MSD1)</b>	<b>Source: R804224-01</b>			<b>Prepared &amp; Analyzed: 05/04/08</b>						
Benzene	29.2	1.0	ug/l	33.3	ND	87.7	61.5-109	7.89	21.7	
Toluene	28.2	1.0	"	33.3	ND	84.7	55.6-113	5.85	9.18	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>14.7</i>		<i>"</i>	<i>13.3</i>		<i>111</i>	<i>90.2-124</i>			
<i>Surrogate: Toluene-d8</i>	<i>12.9</i>		<i>"</i>	<i>13.3</i>		<i>97.0</i>	<i>92.1-106</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>12.8</i>		<i>"</i>	<i>13.3</i>		<i>96.2</i>	<i>84.5-110</i>			

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 - Abbett Leonard G GU #1

Project Number: KMG 05109  
Project Manager: John Cocroft

**Reported:**  
05/06/08 13:06

### 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.*