

# Summit Scientific

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741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

December 05, 2008

John Peterson  
LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada, CO 80003  
RE: PDC - Gardner 12-19

Enclosed are the results of analyses for samples received by Summit Scientific on 11/21/08 16:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Paul Shrewsbury For Ben Shrewsbury  
Vice President / Laboratory Director



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

Project: PDC - Gardner 12-19

Project Number: PDC 08179  
Project Manager: John Peterson

**Reported:**  
12/05/08 14:50

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
N01@2.5'	R811128-01	Soil	11/21/08 13:25	11/21/08 16:30
W01@2.5'	R811128-02	Soil	11/21/08 13:40	11/21/08 16:30
S01@2.5'	R811128-03	Soil	11/21/08 13:59	11/21/08 16:30

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*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*





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

Project: PDC - Gardner 12-19

Project Number: PDC 08179  
 Project Manager: John Peterson

**Reported:**  
 12/05/08 14:50

**N01@2.5'**  
**R811128-01 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: 11/21/08 13:25

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C10 (GRO)	ND	50	mg/kg	1	8112108	11/21/08	11/22/08	8015 Full Carbon Chain	
C10-C28 (DRO)	ND	50	"	"	"	"	"	"	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	
C6-C36 TPH	ND	50	"	"	"	"	"	"	

Date Sampled: 11/21/08 13:25

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		108 %	77.7-123		"	"	"	"	
Surrogate: Trifluorotoluene		102 %	73.9-116		"	"	"	"	

Summit Scientific

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

Project: PDC - Gardner 12-19

Project Number: PDC 08179  
 Project Manager: John Peterson

**Reported:**  
 12/05/08 14:50

**W01@2.5'**  
**R811128-02 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: 11/21/08 13:40

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C10 (GRO)	ND	50	mg/kg	1	8112108	11/21/08	11/22/08	8015 Full Carbon Chain	
C10-C28 (DRO)	ND	50	"	"	"	"	"	"	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	
C6-C36 TPH	ND	50	"	"	"	"	"	"	

Date Sampled: 11/21/08 13:40

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		108 %	77.7-123		"	"	"	"	
Surrogate: Trifluorotoluene		102 %	73.9-116		"	"	"	"	

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

Project: PDC - Gardner 12-19

Project Number: PDC 08179  
 Project Manager: John Peterson

**Reported:**  
 12/05/08 14:50

**S01@2.5'**  
**R811128-03 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: 11/21/08 13:59

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>C6-C10 (GRO)</b>	<b>240</b>	50	mg/kg	1	8112108	11/21/08	11/22/08	8015 Full Carbon Chain	
<b>C10-C28 (DRO)</b>	<b>760</b>	50	"	"	"	"	"	"	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	
<b>C6-C36 TPH</b>	<b>1000</b>	50	"	"	"	"	"	"	

Date Sampled: 11/21/08 13:59

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		114 %	77.7-123		"	"	"	"	
Surrogate: Trifluorotoluene		101 %	73.9-116		"	"	"	"	

Summit Scientific

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

Project: PDC - Gardner 12-19

Project Number: PDC 08179  
Project Manager: John Peterson

**Reported:**  
12/05/08 14:50

**Total Petroleum Hydrocarbons by 8015 - Quality Control**

**Summit Scientific**

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

**Batch 8112108 - EPA 3550A**

**Blank (8112108-BLK1)**

Prepared & Analyzed: 11/21/08

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

**LCS (8112108-BS1)**

Prepared & Analyzed: 11/21/08

C10-C28 (DRO)	482	50	mg/kg	500	96.4	83.3-127				
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**LCS Dup (8112108-BSD1)**

Prepared & Analyzed: 11/21/08

C10-C28 (DRO)	558	50	mg/kg	500	112	83.3-127	14.6	15		
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**Matrix Spike (8112108-MS1)**

Source: R811125-01

Prepared & Analyzed: 11/21/08

C10-C28 (DRO)	480	50	mg/kg	500	ND	96.0	75.8-126			
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**Matrix Spike Dup (8112108-MSD1)**

Source: R811125-01

Prepared & Analyzed: 11/21/08

C10-C28 (DRO)	481	50	mg/kg	500	ND	96.2	75.8-126	0.208	13.6	
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Summit Scientific

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

Project: PDC - Gardner 12-19

Project Number: PDC 08179  
Project Manager: John Peterson

**Reported:**  
12/05/08 14:50

### 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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# Summit Scientific

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741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.374.5933 - fax

November 26, 2008

John Peterson  
LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada, CO 80003  
RE: PDC - Gardner 12-19

Enclosed are the results of analyses for samples received by Summit Scientific on 11/25/08 18:30. 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  
Vice President / Laboratory Director

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

Project: PDC - Gardner 12-19

Project Number: PDC 08179  
 Project Manager: John Peterson

**Reported:**  
 11/26/08 09:13

## ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GW01	R811155-01	Water	11/25/08 17:05	11/25/08 18:30
B02@2.5'	R811155-02	Soil	11/25/08 16:47	11/25/08 18:30
E03@2.5'	R811155-03	Soil	11/25/08 16:40	11/25/08 18:30
W02@2.5'	R811155-04	Soil	11/25/08 16:30	11/25/08 18:30
E04@2.5'	R811155-05	Soil	11/25/08 16:45	11/25/08 18:30
E01@2.5'	R811155-06	Soil	11/25/08 16:43	11/25/08 18:30
B01@2.5'	R811155-07	Soil	11/25/08 16:38	11/25/08 18:30
E05@2.5'	R811155-08	Soil	11/25/08 16:37	11/25/08 18:30
N02@2.5'	R811155-09	Soil	11/25/08 16:43	11/25/08 18:30

Summit Scientific



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

Project: PDC - Gardner 12-19

Project Number: PDC 08179  
Project Manager: John Peterson

Reported:  
11/26/08 09:13

Summit Scientific *21* 2811155

741 Corporate Circle Suite 1 • Golden, Colorado 80401  
303-277-9510 • 303-277-9531 Fax

Page 1 of 1

Client: \_\_\_\_\_  
Address: \_\_\_\_\_  
City/State/Zip: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Project Manager: *John Peterson*  
E-Mail: \_\_\_\_\_  
Project Name: *Gardner 12-19*  
Fax: \_\_\_\_\_  
Project Number: *PDC08179*  
Sampler Name: \_\_\_\_\_

Sample Description	Date Sampled	Time Sampled	Number of Containers	Preservative				Matrix				Analyze For:	Special Instructions	
				HCl	HNO <sub>3</sub>	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)			
G001	11/25/08	17:05	2	X										
B02@2.5'	11/25/08	16:47	1											
E03@2.5'	11/25/08	16:40	1											
W02@2.5'	11/25/08	16:30	1											
E04@2.5'	11/25/08	16:45	1											
B01@2.5'	11/25/08	16:43	1											
B01@2.5'	11/25/08	16:38	1											
E05@2.5'	11/25/08	16:39	1											
W02@2.5'	11/25/08	16:43	1											
Relinquished by:	Date Time:	Received by:		Date Time:	Turn Around Time (Check)		Notes:							
<i>CA</i>	11/25/08 18:39				<input checked="" type="checkbox"/> Same Day <input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 72 Hours <input type="checkbox"/> Standard		Sample Integrity: Temperature Upon Receipt: <i>42</i> Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No							
Relinquished by:	Date Time:	Received by:		Date Time:										

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

Project: PDC - Gardner 12-19  
Project Number: PDC 08179  
Project Manager: John Peterson

**Reported:**  
11/26/08 09:13

**GW01**  
**R811155-01 (Water)**

**Summit Scientific**

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

Date Sampled: 11/25/08 17:05

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>520</b>	10	ug/l	10	8112508	11/25/08	11/25/08	EPA 8260B	
<b>Toluene</b>	<b>590</b>	10	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>160</b>	1.0	"	1	"	"	11/25/08	"	
<b>Xylenes (total)</b>	<b>1300</b>	10	"	10	"	"	"	"	

Date Sampled: 11/25/08 17:05

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.7 %	77.3-121		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		102 %	91.4-107		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		90.2 %	85.3-109		"	"	"	"	

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Arvada CO, 80003

Project: PDC - Gardner 12-19

Project Number: PDC 08179  
Project Manager: John Peterson

**Reported:**  
11/26/08 09:13

**B02@2.5'**  
**R811155-02 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: 11/25/08 16:47

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C10 (GRO)	ND	50	mg/kg	1	8112509	11/25/08	11/26/08	8015 Full Carbon Chain	
C10-C28 (DRO)	ND	50	"	"	"	"	"	"	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	
C6-C36 TPH	ND	50	"	"	"	"	"	"	

Date Sampled: 11/25/08 16:47

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		105 %	77.7-123		"	"	"	"	
Surrogate: Trifluorotoluene		101 %	73.9-116		"	"	"	"	

Summit Scientific

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

Project: PDC - Gardner 12-19

Project Number: PDC 08179  
Project Manager: John Peterson

Reported:  
11/26/08 09:13

**E03@2.5'**  
**R811155-03 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: 11/25/08 16:40

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C10 (GRO)	ND	50	mg/kg	1	8112509	11/25/08	11/26/08	8015 Full Carbon Chain	
C10-C28 (DRO)	ND	50	"	"	"	"	"	"	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	
C6-C36 TPH	ND	50	"	"	"	"	"	"	

Date Sampled: 11/25/08 16:40

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		107 %	77.7-123		"	"	"	"	
Surrogate: Trifluorotoluene		101 %	73.9-116		"	"	"	"	

Summit Scientific

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

Project: PDC - Gardner 12-19

Project Number: PDC 08179  
Project Manager: John Peterson

Reported:  
11/26/08 09:13

**W02@2.5'**  
**R811155-04 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: 11/25/08 16:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C10 (GRO)	ND	50	mg/kg	1	8112509	11/25/08	11/26/08	8015 Full Carbon Chain	
<b>C10-C28 (DRO)</b>	<b>120</b>	50	"	"	"	"	"	"	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	
<b>C6-C36 TPH</b>	<b>160</b>	50	"	"	"	"	"	"	

Date Sampled: 11/25/08 16:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		108 %	77.7-123		"	"	"	"	
Surrogate: Trifluorotoluene		98.8 %	73.9-116		"	"	"	"	

Summit Scientific



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

Project: PDC - Gardner 12-19

Project Number: PDC 08179  
Project Manager: John Peterson

**Reported:**  
11/26/08 09:13

**E04@2.5'**  
**R811155-05 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: 11/25/08 16:45

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>C6-C10 (GRO)</b>	<b>100</b>	50	mg/kg	1	8112509	11/25/08	11/26/08	8015 Full Carbon Chain	
<b>C10-C28 (DRO)</b>	<b>440</b>	50	"	"	"	"	"	"	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	
<b>C6-C36 TPH</b>	<b>550</b>	50	"	"	"	"	"	"	

Date Sampled: 11/25/08 16:45

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

Summit Scientific



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

Project: PDC - Gardner 12-19

Project Number: PDC 08179  
Project Manager: John Peterson

**Reported:**  
11/26/08 09:13

**E01@2.5'**  
**R811155-06 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: 11/25/08 16:43

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C10 (GRO)	ND	50	mg/kg	1	8112509	11/25/08	11/26/08	8015 Full Carbon Chain	
<b>C10-C28 (DRO)</b>	<b>59</b>	50	"	"	"	"	"	"	"
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	
<b>C6-C36 TPH</b>	<b>59</b>	50	"	"	"	"	"	"	

Date Sampled: 11/25/08 16:43

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		108 %	77.7-123		"	"	"	"	
Surrogate: Trifluorotoluene		104 %	73.9-116		"	"	"	"	

Summit Scientific



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

Project: PDC - Gardner 12-19

Project Number: PDC 08179  
Project Manager: John Peterson

**Reported:**  
11/26/08 09:13

**B01@2.5'**  
**R811155-07 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: 11/25/08 16:38

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C10 (GRO)	ND	50	mg/kg	1	8112509	11/25/08	11/26/08	8015 Full Carbon Chain	
C10-C28 (DRO)	ND	50	"	"	"	"	"	"	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	
C6-C36 TPH	ND	50	"	"	"	"	"	"	

Date Sampled: 11/25/08 16:38

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		107 %	77.7-123		"	"	"	"	
Surrogate: Trifluorotoluene		102 %	73.9-116		"	"	"	"	

Summit Scientific

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

Project: PDC - Gardner 12-19

Project Number: PDC 08179  
Project Manager: John Peterson

**Reported:**  
11/26/08 09:13

**E05@2.5'**  
**R811155-08 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: 11/25/08 16:37

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>C6-C10 (GRO)</b>	<b>370</b>	50	mg/kg	1	8112509	11/25/08	11/26/08	8015 Full Carbon Chain	
<b>C10-C28 (DRO)</b>	<b>920</b>	50	"	"	"	"	"	"	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	
<b>C6-C36 TPH</b>	<b>1300</b>	50	"	"	"	"	"	"	

Date Sampled: 11/25/08 16:37

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		114 %	77.7-123		"	"	"	"	
Surrogate: Trifluorotoluene		96.3 %	73.9-116		"	"	"	"	

Summit Scientific

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

Project: PDC - Gardner 12-19

Project Number: PDC 08179  
Project Manager: John Peterson

Reported:  
11/26/08 09:13

**N02@2.5'**  
**R811155-09 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: 11/25/08 16:43

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C10 (GRO)	ND	50	mg/kg	1	8112509	11/25/08	11/26/08	8015 Full Carbon Chain	
C10-C28 (DRO)	ND	50	"	"	"	"	"	"	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	
C6-C36 TPH	ND	50	"	"	"	"	"	"	

Date Sampled: 11/25/08 16:43

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		107 %	77.7-123		"	"	"	"	
Surrogate: Trifluorotoluene		102 %	73.9-116		"	"	"	"	

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

Project: PDC - Gardner 12-19

Project Number: PDC 08179  
Project Manager: John Peterson

**Reported:**  
11/26/08 09:13

## Total Petroleum Hydrocarbons by 8015 - Quality Control Summit Scientific

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

### Batch 8112509 - EPA 3550A

#### Blank (8112509-BLK1)

Prepared: 11/25/08 Analyzed: 11/26/08

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

#### LCS (8112509-BS1)

Prepared: 11/25/08 Analyzed: 11/26/08

C10-C28 (DRO)	548	50	mg/kg	500	110	83.3-127				
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#### LCS Dup (8112509-BSD1)

Prepared: 11/25/08 Analyzed: 11/26/08

C10-C28 (DRO)	514	50	mg/kg	500	103	83.3-127	6.40	15		
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#### Matrix Spike (8112509-MS1)

Source: R811154-01

Prepared: 11/25/08 Analyzed: 11/26/08

C10-C28 (DRO)	516	50	mg/kg	500	ND	103	75.8-126			
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#### Matrix Spike Dup (8112509-MSD1)

Source: R811154-01

Prepared: 11/25/08 Analyzed: 11/26/08

C10-C28 (DRO)	525	50	mg/kg	500	ND	105	75.8-126	1.73	13.6	
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Summit Scientific



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

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

Project: PDC - Gardner 12-19

Project Number: PDC 08179  
Project Manager: John Peterson

Reported:  
11/26/08 09:13

**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 8112508 - EPA 5030 Water MS**

**Blank (8112508-BLK1)**

Prepared & Analyzed: 11/25/08

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>12.5</i>		<i>"</i>	<i>13.3</i>		<i>94.0</i>	<i>77.3-121</i>			
<i>Surrogate: Toluene-d8</i>	<i>13.5</i>		<i>"</i>	<i>13.3</i>		<i>102</i>	<i>91.4-107</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>13.9</i>		<i>"</i>	<i>13.3</i>		<i>105</i>	<i>85.3-109</i>			

**LCS (8112508-BS1)**

Prepared & Analyzed: 11/25/08

Benzene	29.1	1.0	ug/l	33.3		87.4	70-114			
Toluene	30.3	1.0	"	33.3		91.0	72.7-116			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>12.8</i>		<i>"</i>	<i>13.3</i>		<i>96.2</i>	<i>77.3-121</i>			
<i>Surrogate: Toluene-d8</i>	<i>13.6</i>		<i>"</i>	<i>13.3</i>		<i>102</i>	<i>91.4-107</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>13.6</i>		<i>"</i>	<i>13.3</i>		<i>102</i>	<i>85.3-109</i>			

**LCS Dup (8112508-BSD1)**

Prepared & Analyzed: 11/25/08

Benzene	27.6	1.0	ug/l	33.3		82.9	70-114	5.29	8.14	
Toluene	27.7	1.0	"	33.3		83.2	72.7-116	8.97	7.88	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>12.7</i>		<i>"</i>	<i>13.3</i>		<i>95.5</i>	<i>77.3-121</i>			
<i>Surrogate: Toluene-d8</i>	<i>13.4</i>		<i>"</i>	<i>13.3</i>		<i>101</i>	<i>91.4-107</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>13.6</i>		<i>"</i>	<i>13.3</i>		<i>102</i>	<i>85.3-109</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: PDC - Gardner 12-19

Project Number: PDC 08179  
Project Manager: John Peterson

**Reported:**  
11/26/08 09:13

**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

December 01, 2008

John Peterson  
LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada, CO 80003  
RE: PDC - Gardner 12-19

Enclosed are the results of analyses for samples received by Summit Scientific on 11/26/08 17:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read '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: PDC - Gardner 12-19

Project Number: PDC 08179  
Project Manager: John Peterson

**Reported:**  
12/01/08 08:11

## ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S02@2.5'	R811159-01	Soil	11/26/08 15:40	11/26/08 17:00
W03@2.5'	R811159-02	Soil	11/26/08 15:50	11/26/08 17:00
E02@2.5'	R811159-03	Soil	11/26/08 15:45	11/26/08 17:00

Summit Scientific



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



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

Project: PDC - Gardner 12-19

Project Number: PDC 08179  
Project Manager: John Peterson

**Reported:**  
12/01/08 08:11

**S02@2.5'**  
**R811159-01 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: 11/26/08 15:40

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C10 (GRO)	ND	50	mg/kg	1	8112608	11/26/08	11/26/08	8015 Full Carbon Chain	
C10-C28 (DRO)	ND	50	"	"	"	"	"	"	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	
C6-C36 TPH	ND	50	"	"	"	"	"	"	

Date Sampled: 11/26/08 15:40

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		101 %	77.7-123		"	"	"	"	
Surrogate: Trifluorotoluene		95.2 %	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: PDC - Gardner 12-19

Project Number: PDC 08179  
Project Manager: John Peterson

**Reported:**  
12/01/08 08:11

**W03@2.5'**  
**R811159-02 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: 11/26/08 15:50

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C10 (GRO)	ND	50	mg/kg	1	8112608	11/26/08	11/26/08	8015 Full Carbon Chain	
C10-C28 (DRO)	ND	50	"	"	"	"	"	"	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	
C6-C36 TPH	ND	50	"	"	"	"	"	"	

Date Sampled: 11/26/08 15:50

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		102 %	77.7-123		"	"	"	"	
Surrogate: Trifluorotoluene		96.2 %	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: PDC - Gardner 12-19

Project Number: PDC 08179  
Project Manager: John Peterson

Reported:  
12/01/08 08:11

**E02@2.5'**  
**R811159-03 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: 11/26/08 15:45

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C10 (GRO)	ND	50	mg/kg	1	8112608	11/26/08	11/26/08	8015 Full Carbon Chain	
C10-C28 (DRO)	ND	50	"	"	"	"	"	"	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	
C6-C36 TPH	ND	50	"	"	"	"	"	"	

Date Sampled: 11/26/08 15:45

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		100 %	77.7-123		"	"	"	"	
Surrogate: Trifluorotoluene		95.3 %	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: PDC - Gardner 12-19

Project Number: PDC 08179  
Project Manager: John Peterson

**Reported:**  
12/01/08 08:11

## Total Petroleum Hydrocarbons by 8015 - Quality Control Summit Scientific

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

### Batch 8112608 - EPA 3550A

#### Blank (8112608-BLK1)

Prepared: 11/26/08 Analyzed: 11/27/08

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

#### LCS (8112608-BS1)

Prepared: 11/26/08 Analyzed: 11/27/08

C10-C28 (DRO)	492	50	mg/kg	500		98.4	83.3-127			
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#### LCS Dup (8112608-BSD1)

Prepared: 11/26/08 Analyzed: 11/27/08

C10-C28 (DRO)	511	50	mg/kg	500		102	83.3-127	3.79	15	
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#### Matrix Spike (8112608-MS1)

Source: R811158-01

Prepared: 11/26/08 Analyzed: 11/27/08

C10-C28 (DRO)	491	50	mg/kg	500	ND	98.2	75.8-126			
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#### Matrix Spike Dup (8112608-MSD1)

Source: R811158-01

Prepared: 11/26/08 Analyzed: 11/27/08

C10-C28 (DRO)	493	50	mg/kg	500	ND	98.6	75.8-126	0.407	13.6	
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Summit Scientific



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

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

Project: PDC - Gardner 12-19

Project Number: PDC 08179  
Project Manager: John Peterson

**Reported:**  
12/01/08 08:11

**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 ♦ 303.277.9531 - fax

January 10, 2009

John Peterson  
LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada, CO 80003  
RE: PDC - Gardner 12-19

Enclosed are the results of analyses for samples received by Summit Scientific on 01/06/09 16:53. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to be 'PS', with a long horizontal flourish extending to the right.

Paul Shrewsbury For Ben Shrewsbury  
Vice President / Laboratory Director



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

Project: PDC - Gardner 12-19

Project Number: PDC 08179  
Project Manager: John Peterson

**Reported:**  
01/10/09 19:31

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01	R901028-01	Water	01/06/09 10:30	01/06/09 16:53
MW02	R901028-02	Water	01/06/09 10:45	01/06/09 16:53
MW03	R901028-03	Water	01/06/09 11:00	01/06/09 16:53
MW04	R901028-04	Water	01/06/09 11:15	01/06/09 16:53

Summit Scientific

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

Project: PDC - Gardner 12-19

Project Number: PDC 08179  
 Project Manager: John Peterson

**Reported:**  
 01/10/09 19:31

**MW01**  
**R901028-01 (Water)**

**Summit Scientific**

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

Date Sampled: **01/06/09 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	9010706	01/07/09	01/08/09	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **01/06/09 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>116 %</i>	<i>77.3-121</i>		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		<i>101 %</i>	<i>91.4-107</i>		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>99.2 %</i>	<i>85.3-109</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: PDC - Gardner 12-19

Project Number: PDC 08179  
 Project Manager: John Peterson

**Reported:**  
 01/10/09 19:31

**MW02**  
**R901028-02 (Water)**

**Summit Scientific**

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

Date Sampled: **01/06/09 10:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	9010706	01/07/09	01/08/09	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **01/06/09 10:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>117 %</i>	<i>77.3-121</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: Toluene-d8</i>		<i>100 %</i>	<i>91.4-107</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>99.2 %</i>	<i>85.3-109</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</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: PDC - Gardner 12-19

Project Number: PDC 08179  
 Project Manager: John Peterson

**Reported:**  
 01/10/09 19:31

**MW03**  
**R901028-03 (Water)**

**Summit Scientific**

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

Date Sampled: **01/06/09 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	9010706	01/07/09	01/08/09	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **01/06/09 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>119 %</i>	<i>77.3-121</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: Toluene-d8</i>		<i>102 %</i>	<i>91.4-107</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>97.7 %</i>	<i>85.3-109</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</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: PDC - Gardner 12-19

Project Number: PDC 08179  
 Project Manager: John Peterson

**Reported:**  
 01/10/09 19:31

**MW04**  
**R901028-04 (Water)**

**Summit Scientific**

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

Date Sampled: **01/06/09 11:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	9010706	01/07/09	01/08/09	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **01/06/09 11:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>117 %</i>	<i>77.3-121</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: Toluene-d8</i>		<i>102 %</i>	<i>91.4-107</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>96.2 %</i>	<i>85.3-109</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</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: PDC - Gardner 12-19

Project Number: PDC 08179  
Project Manager: John Peterson

Reported:  
01/10/09 19:31

**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 9010706 - EPA 5030 Water MS**

**Blank (9010706-BLK1)**

Prepared & Analyzed: 01/07/09

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	15.9		"	13.3	120	77.3-121				
Surrogate: Toluene-d8	13.8		"	13.3	104	91.4-107				
Surrogate: 4-Bromofluorobenzene	13.1		"	13.3	98.5	85.3-109				

**LCS (9010706-BS1)**

Prepared & Analyzed: 01/07/09

Benzene	23.8	1.0	ug/l	33.3	71.5	70-114				
Toluene	25.8	1.0	"	33.3	77.5	72.7-116				
Surrogate: 1,2-Dichloroethane-d4	15.5		"	13.3	117	77.3-121				
Surrogate: Toluene-d8	13.6		"	13.3	102	91.4-107				
Surrogate: 4-Bromofluorobenzene	13.1		"	13.3	98.5	85.3-109				

**LCS Dup (9010706-BSD1)**

Prepared & Analyzed: 01/07/09

Benzene	23.8	1.0	ug/l	33.3	71.5	70-114	0.00	8.14		
Toluene	25.1	1.0	"	33.3	75.4	72.7-116	2.75	7.88		
Surrogate: 1,2-Dichloroethane-d4	15.7		"	13.3	118	77.3-121				
Surrogate: Toluene-d8	13.6		"	13.3	102	91.4-107				
Surrogate: 4-Bromofluorobenzene	13.1		"	13.3	98.5	85.3-109				

**Matrix Spike (9010706-MS1)**

Source: R901021-01

Prepared: 01/07/09 Analyzed: 01/08/09

Benzene	23.1	1.0	ug/l	33.3	ND	69.4	66.8-117			
Toluene	25.0	1.0	"	33.3	ND	75.1	71.5-117			
Surrogate: 1,2-Dichloroethane-d4	15.8		"	13.3		119	77.3-121			
Surrogate: Toluene-d8	13.7		"	13.3		103	91.4-107			
Surrogate: 4-Bromofluorobenzene	13.4		"	13.3		101	85.3-109			

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: PDC - Gardner 12-19

Project Number: PDC 08179  
 Project Manager: John Peterson

**Reported:**  
 01/10/09 19:31

**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 9010706 - EPA 5030 Water MS**

<b>Matrix Spike Dup (9010706-MSD1)</b>	<b>Source: R901021-01</b>			Prepared: 01/07/09	Analyzed: 01/08/09					
Benzene	24.0	1.0	ug/l	33.3	ND	72.1	66.8-117	3.82	17.8	
Toluene	25.9	1.0	"	33.3	ND	77.8	71.5-117	3.54	14.4	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>20.0</i>		<i>"</i>	<i>13.3</i>		<i>150</i>	<i>77.3-121</i>			
<i>Surrogate: Toluene-d8</i>	<i>13.3</i>		<i>"</i>	<i>13.3</i>		<i>100</i>	<i>91.4-107</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>13.3</i>		<i>"</i>	<i>13.3</i>		<i>100</i>	<i>85.3-109</i>			

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*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



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

Project: PDC - Gardner 12-19

Project Number: PDC 08179  
Project Manager: John Peterson

**Reported:**  
01/10/09 19:31

### 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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