

# Summit Scientific

---

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

Doc 1943746  
Project 4472

January 05, 2009

John Peterson  
LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada, CO 80003  
RE: PDC - Pfenning # 43 & 44-31

Enclosed are the results of analyses for samples received by Summit Scientific on 12/24/08 16:00. 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 - Pfenning # 43 & 44-31

Project Number: PDC 08159  
Project Manager: John Peterson

**Reported:**  
01/05/09 14:49

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01	R812152-01	Water	12/23/08 12:00	12/24/08 16:00
MW02	R812152-02	Water	12/23/08 12:10	12/24/08 16:00
MW03	R812152-03	Water	12/23/08 12:20	12/24/08 16:00

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 - Pfenning # 43 &amp; 44-31

Project Number: PDC 08159  
Project Manager: John Peterson

**Reported:**  
01/05/09 14:49

## Summit Scientific R812152

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

Page / of

Client: **LT Environmental, Inc.**

**Address:** 4600 West 60th Avenue

City/State/Zip: Arvada, CO 80003

Phone: (303) 433-9788

Phone: (303) 433-9788

**Sampler Name:** Sean

100







**Project Manager:** John Peterson

E-Mail: [jpeterston@itenv.com](mailto:jpeterston@itenv.com)

Project Name: RL 4344-31

Project Number: 09C 06129

Project Number: 80005807

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)	Total Carbon Chain	BTEX		
M1001			12/23/00	12:00	2	X					X					X	
M1002			"	12:10	2	X					X					X	
M1003			"	12:30	2	X					X					X	
Relinquished by: 			Date/Time: 12/24/00	Received by: 			Date/Time: 12/24/00	Turn Around Time (Check):			72 Hours <input checked="" type="checkbox"/> Standard <input type="checkbox"/>			Notes:			
Relinquished by: 			Date/Time: 12/24/00	Received by: 			Date/Time: 12/24/00	Sample Integrity:			Temperature Upon Receipt: 4.3			Inact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			
Relinquished by: 			Date/Time: 12/24/00	Received by: 			Date/Time: 12/24/00										

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: PDC - Pfenning # 43 & 44-31

Project Number: PDC 08159  
Project Manager: John Peterson

**Reported:**  
01/05/09 14:49

**MW01**  
**R812152-01 (Water)**

**Summit Scientific**

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

Date Sampled: 12/23/08 12:00

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	8122908	12/29/08	12/30/08	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	ND	1.0		"	"	"	"	"	"	

Date Sampled: 12/23/08 12:00

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		119 %		77.3-121		"	"	"	"	
Surrogate: Toluene-d8		99.2 %		91.4-107		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		107 %		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 - Pfenning # 43 & 44-31

Project Number: PDC 08159  
Project Manager: John Peterson

**Reported:**  
01/05/09 14:49

**MW02**  
**R812152-02 (Water)**

**Summit Scientific**

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

Date Sampled: **12/23/08 12:10**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
<b>Benzene</b>	<b>60</b>	1.0		ug/l	1	8122908	12/29/08	12/30/08	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	ND	1.0		"	"	"	"	"	"	

Date Sampled: **12/23/08 12:10**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		119 %		77.3-121		"	"	"	"	
Surrogate: Toluene-d8		101 %		91.4-107		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %		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 - Pfenning # 43 & 44-31

Project Number: PDC 08159  
Project Manager: John Peterson

**Reported:**  
01/05/09 14:49

**MW03**  
**R812152-03 (Water)**

**Summit Scientific**

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

Date Sampled: 12/23/08 12:20

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	8122908	12/29/08	12/30/08	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: 12/23/08 12:20

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		117 %	77.3-121		"	"	"	"	
Surrogate: Toluene-d8		99.2 %	91.4-107		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		109 %	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 - Pfenning # 43 & 44-31

Project Number: PDC 08159  
Project Manager: John Peterson

**Reported:**  
01/05/09 14:49

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

### Summit Scientific

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

#### Batch 8122908 - EPA 5030 Water MS

##### Blank (8122908-BLK1)

Prepared & Analyzed: 12/29/08

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	15.3		"	13.3	115	77.3-121				
Surrogate: Toluene-d8	13.1		"	13.3	98.5	91.4-107				
Surrogate: 4-Bromofluorobenzene	14.4		"	13.3	108	85.3-109				

##### LCS (8122908-BS1)

Prepared & Analyzed: 12/29/08

Benzene	28.3	1.0	ug/l	33.3	85.0	70-114				
Toluene	26.3	1.0	"	33.3	79.0	72.7-116				
Surrogate: 1,2-Dichloroethane-d4	15.6		"	13.3	117	77.3-121				
Surrogate: Toluene-d8	13.6		"	13.3	102	91.4-107				
Surrogate: 4-Bromofluorobenzene	14.5		"	13.3	109	85.3-109				

##### LCS Dup (8122908-BSD1)

Prepared & Analyzed: 12/29/08

Benzene	29.6	1.0	ug/l	33.3	88.9	70-114	4.49	8.14		
Toluene	27.8	1.0	"	33.3	83.5	72.7-116	5.55	7.88		
Surrogate: 1,2-Dichloroethane-d4	15.8		"	13.3	119	77.3-121				
Surrogate: Toluene-d8	13.8		"	13.3	104	91.4-107				
Surrogate: 4-Bromofluorobenzene	14.5		"	13.3	109	85.3-109				

##### Matrix Spike (8122908-MS1)

Source: R812151-02

Prepared & Analyzed: 12/29/08

Benzene	29.0	1.0	ug/l	33.3	ND	87.1	66.8-117			
Toluene	26.7	1.0	"	33.3	ND	80.2	71.5-117			
Surrogate: 1,2-Dichloroethane-d4	14.3		"	13.3		108	77.3-121			
Surrogate: Toluene-d8	13.6		"	13.3		102	91.4-107			
Surrogate: 4-Bromofluorobenzene	14.0		"	13.3		105	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 - Pfenning # 43 & 44-31

Project Number: PDC 08159  
Project Manager: John Peterson

Reported:  
01/05/09 14:49

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

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

**Batch 8122908 - EPA 5030 Water MS**

Matrix Spike Dup (8122908-MSD1)		Source: R812151-02			Prepared & Analyzed: 12/29/08					
Benzene	30.0	1.0	ug/l	33.3	ND	90.1	66.8-117	3.39	17.8	
Toluene	27.6	1.0	"	33.3	ND	82.9	71.5-117	3.31	14.4	
Surrogate: 1,2-Dichloroethane-d4	14.3		"	13.3		108	77.3-121			
Surrogate: Toluene-d8	13.9		"	13.3		105	91.4-107			
Surrogate: 4-Bromofluorobenzene	14.2		"	13.3		107	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 - Pfenning # 43 & 44-31

Project Number: PDC 08159  
Project Manager: John Peterson

**Reported:**  
01/05/09 14:49

### 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

A handwritten signature in black ink, appearing to be 'JM' followed by a long horizontal stroke.

*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.*