

Summit Scientific

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Doc#1943744
Project 4472

September 09, 2008

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 09/08/08 17:00. 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: PDC - Pfenning # 43 & 44-31

Project Number: PDC 08159
Project Manager: John Peterson

Reported:
09/09/08 08:01

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GW02	R809043-01	Water	09/08/08 14:08	09/08/08 17:00
E02@2'	R809043-02	Soil	09/08/08 13:45	09/08/08 17:00
SP01	R809043-03	Soil	09/08/08 13:55	09/08/08 17:00
SP02	R809043-04	Soil	09/08/08 14:00	09/08/08 17:00

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Project: PDC - Pfenning # 43 & 44-31

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Reported:
09/09/08 08:01

GW02
R809043-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/08/08 14:08**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	900	10		ug/l	10	8090806	09/08/08	09/09/08	EPA 8260B	
Toluene	28	1.0		"	1	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	75	1.0		"	"	"	"	"	"	

Date Sampled: **09/08/08 14:08**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		102 %		77.3-121		"	"	"	"	
Surrogate: Toluene-d8		103 %		91.4-107		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		106 %		85.3-109		"	"	"	"	

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Project Number: PDC 08159
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Reported:
09/09/08 08:01

E02@2'
R809043-02 (Soil)

Summit Scientific

Total Petroleum Hydrocarbons by 8015

Date Sampled: **09/08/08 13:45**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C6-C10 (GRO)	ND	50		mg/kg	1	8090807	09/08/08	09/08/08	8015 Full Carbon Chain	
C10-C28 (DRO)	ND	50		"	"	"	"	"	"	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	
C6-C36 TPH	ND	50		"	"	"	"	"	"	

Date Sampled: **09/08/08 13:45**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl		113 %		77.7-123		"	"	"	"	
Surrogate: Trifluorotoluene		97.7 %		73.9-116		"	"	"	"	

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Project: PDC - Pfenning # 43 & 44-31

Project Number: PDC 08159
Project Manager: John Peterson

Reported:
09/09/08 08:01

SP01
R809043-03 (Soil)

Summit Scientific

Total Petroleum Hydrocarbons by 8015

Date Sampled: **09/08/08 13:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C10 (GRO)	1800	50	mg/kg	1	8090807	09/08/08	09/08/08	8015 Full Carbon Chain	
C10-C28 (DRO)	2300	50	"	"	"	"	"	"	
C28-C36 (ORO)	150	50	"	"	"	"	"	"	
C6-C36 TPH	4200	50	"	"	"	"	"	"	

Date Sampled: **09/08/08 13:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		304 %	77.7-123		"	"	"	"	S-02
Surrogate: Trifluorotoluene		98.6 %	73.9-116		"	"	"	"	

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Reported:
09/09/08 08:01

SP02
R809043-04 (Soil)

Summit Scientific

Total Petroleum Hydrocarbons by 8015

Date Sampled: **09/08/08 14:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C6-C10 (GRO)	ND	50		mg/kg	1	8090807	09/08/08	09/08/08	8015 Full Carbon Chain	
C10-C28 (DRO)	ND	50		"	"	"	"	"	"	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	
C6-C36 TPH	ND	50		"	"	"	"	"	"	

Date Sampled: **09/08/08 14:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl		113 %		77.7-123		"	"	"	"	
Surrogate: Trifluorotoluene		98.1 %		73.9-116		"	"	"	"	

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Reported:
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Total 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 8090807 - EPA 3550A

Blank (8090807-BLK1)

Prepared: 09/08/08 Analyzed: 09/09/08

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

LCS (8090807-BS1)

Prepared: 09/08/08 Analyzed: 09/09/08

C10-C28 (DRO)	598	50	mg/kg	500	120	83.3-127
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LCS Dup (8090807-BSD1)

Prepared: 09/08/08 Analyzed: 09/09/08

C10-C28 (DRO)	494	50	mg/kg	500	98.8	83.3-127	19.0	15
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Matrix Spike (8090807-MS1)

Source: R809043-02

Prepared: 09/08/08 Analyzed: 09/09/08

C10-C28 (DRO)	475	50	mg/kg	500	ND	95.0	75.8-126
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Matrix Spike Dup (8090807-MSD1)

Source: R809043-02

Prepared: 09/08/08 Analyzed: 09/09/08

C10-C28 (DRO)	468	50	mg/kg	500	ND	93.6	75.8-126	1.48	13.6
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Volatile Organic Compounds by EPA Method 8260B - Quality Control
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Analyte	Reporting			Spike	Source	%REC		RPD		Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

Batch 8090806 - EPA 5030 Water MS

Blank (8090806-BLK1)

Prepared & Analyzed: 09/08/08

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	12.9		"	13.3		97.0	77.3-121			
Surrogate: Toluene-d8	12.9		"	13.3		97.0	91.4-107			
Surrogate: 4-Bromofluorobenzene	13.2		"	13.3		99.2	85.3-109			

LCS (8090806-BS1)

Prepared & Analyzed: 09/08/08

Benzene	32.2	1.0	ug/l	33.3		96.7	70-114			
Toluene	32.4	1.0	"	33.3		97.3	72.7-116			
Surrogate: 1,2-Dichloroethane-d4	13.2		"	13.3		99.2	77.3-121			
Surrogate: Toluene-d8	13.2		"	13.3		99.2	91.4-107			
Surrogate: 4-Bromofluorobenzene	13.0		"	13.3		97.7	85.3-109			

LCS Dup (8090806-BSD1)

Prepared & Analyzed: 09/08/08

Benzene	31.7	1.0	ug/l	33.3		95.2	70-114	1.56	8.14	
Toluene	31.7	1.0	"	33.3		95.2	72.7-116	2.18	7.88	
Surrogate: 1,2-Dichloroethane-d4	13.3		"	13.3		100	77.3-121			
Surrogate: Toluene-d8	12.8		"	13.3		96.2	91.4-107			
Surrogate: 4-Bromofluorobenzene	12.8		"	13.3		96.2	85.3-109			

Matrix Spike (8090806-MS1)

Source: R809044-01

Prepared & Analyzed: 09/08/08

Benzene	76.2	1.0	ug/l	33.3	42	103	66.8-117			
Toluene	44.5	1.0	"	33.3	12	97.6	71.5-117			
Surrogate: 1,2-Dichloroethane-d4	13.6		"	13.3		102	77.3-121			
Surrogate: Toluene-d8	13.6		"	13.3		102	91.4-107			
Surrogate: 4-Bromofluorobenzene	13.3		"	13.3		100	85.3-109			

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Volatile Organic Compounds by EPA Method 8260B - Quality Control
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Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 8090806 - EPA 5030 Water MS

Matrix Spike Dup (8090806-MSD1)		Source: R809044-01			Prepared & Analyzed: 09/08/08					
Benzene	55.7	1.0	ug/l	33.3	42	41.1	66.8-117	31.1	17.8	
Toluene	37.0	1.0	"	33.3	12	75.1	71.5-117	18.4	14.4	
Surrogate: 1,2-Dichloroethane-d4	15.2		"	13.3		114	77.3-121			
Surrogate: Toluene-d8	13.5		"	13.3		102	91.4-107			
Surrogate: 4-Bromofluorobenzene	14.0		"	13.3		105	85.3-109			

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Notes and Definitions

S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

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

A handwritten signature in black ink, appearing to be 'JMP'.