

Summit Scientific

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Doc #1943743
Project 4472

September 08, 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 09/05/08 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 - Pfenning # 43 & 44-31

Project Number: PDC 08159
Project Manager: John Peterson

Reported:
09/08/08 13:14

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S02@2'	R809035-01	Soil	09/05/08 12:30	09/05/08 16:30
S03@2'	R809035-02	Soil	09/05/08 12:33	09/05/08 16:30
N01@2'	R809035-03	Soil	09/05/08 12:36	09/05/08 16:30
E01@2'	R809035-04	Soil	09/05/08 12:40	09/05/08 16:30
GW01	R809035-05	Water	09/05/08 12:44	09/05/08 16:30

Summit Scientific

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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:
09/08/08 13:14

S02@2'
R809035-01 (Soil)

Summit Scientific

Total Petroleum Hydrocarbons by 8015

Date Sampled: **09/05/08 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C10 (GRO)	ND	50	mg/kg	1	8090513	09/05/08	09/05/08	8015 Full Carbon Chain	
C10-C28 (DRO)	ND	50	"	"	"	"	"	"	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	
C6-C36 TPH	ND	50	"	"	"	"	"	"	

Date Sampled: **09/05/08 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		105 %	77.7-123		"	"	"	"	
Surrogate: Trifluorotoluene		95.5 %	73.9-116		"	"	"	"	

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Project: PDC - Pfenning # 43 & 44-31

Project Number: PDC 08159
Project Manager: John Peterson

Reported:
09/08/08 13:14

S03@2'
R809035-02 (Soil)

Summit Scientific

Total Petroleum Hydrocarbons by 8015

Date Sampled: **09/05/08 12:33**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C10 (GRO)	ND	50	mg/kg	1	8090513	09/05/08	09/06/08	8015 Full Carbon Chain	
C10-C28 (DRO)	ND	50	"	"	"	"	"	"	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	
C6-C36 TPH	ND	50	"	"	"	"	"	"	

Date Sampled: **09/05/08 12:33**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		105 %	77.7-123		"	"	"	"	
Surrogate: Trifluorotoluene		95.0 %	73.9-116		"	"	"	"	

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Project: PDC - Pfenning # 43 & 44-31

Project Number: PDC 08159
Project Manager: John Peterson

Reported:
09/08/08 13:14

N01@2'
R809035-03 (Soil)

Summit Scientific

Total Petroleum Hydrocarbons by 8015

Date Sampled: **09/05/08 12:36**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
C6-C10 (GRO)	ND	50	mg/kg	1	8090513	09/05/08	09/06/08	8015 Full Carbon Chain	
C10-C28 (DRO)	ND	50	"	"	"	"	"	"	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	
C6-C36 TPH	ND	50	"	"	"	"	"	"	

Date Sampled: **09/05/08 12:36**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: o-Terphenyl		105 %	77.7-123		"	"	"	"	
Surrogate: Trifluorotoluene		95.6 %	73.9-116		"	"	"	"	

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Reported:
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E01@2'
R809035-04 (Soil)

Summit Scientific

Total Petroleum Hydrocarbons by 8015

Date Sampled: **09/05/08 12:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C6-C10 (GRO)	ND	50		mg/kg	1	8090513	09/05/08	09/06/08	8015 Full Carbon Chain	
C10-C28 (DRO)	ND	50		"	"	"	"	"	"	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	
C6-C36 TPH	ND	50		"	"	"	"	"	"	

Date Sampled: **09/05/08 12:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl		105 %		77.7-123		"	"	"	"	
Surrogate: Trifluorotoluene		94.3 %		73.9-116		"	"	"	"	

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Reported:
09/08/08 13:14

GW01
R809035-05 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/05/08 12:44**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	390	1.0		ug/l	1	8090510	09/06/08	09/08/08	EPA 8260B	
Toluene	13	1.0		"	"	"	"	"	"	
Ethylbenzene	3.7	1.0		"	"	"	"	"	"	
Xylenes (total)	190	1.0		"	"	"	"	"	"	

Date Sampled: **09/05/08 12:44**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.0 %		77.3-121		"	"	09/08/08	"	
<i>Surrogate: Toluene-d8</i>		97.7 %		91.4-107		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		97.0 %		85.3-109		"	"	"	"	

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Project: PDC - Pfenning # 43 & 44-31

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Reported:
09/08/08 13:14

Total 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 8090513 - EPA 3550A

Blank (8090513-BLK1)

Prepared & Analyzed: 09/05/08

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

LCS (8090513-BS1)

Prepared & Analyzed: 09/05/08

C10-C28 (DRO)	411	50	mg/kg	500	82.2	83.3-127
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LCS Dup (8090513-BSD1)

Prepared & Analyzed: 09/05/08

C10-C28 (DRO)	431	50	mg/kg	500	86.2	83.3-127	4.75	15
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Matrix Spike (8090513-MS1)

Source: R809035-01

Prepared & Analyzed: 09/05/08

C10-C28 (DRO)	432	50	mg/kg	500	ND	86.4	75.8-126
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Matrix Spike Dup (8090513-MSD1)

Source: R809035-01

Prepared & Analyzed: 09/05/08

C10-C28 (DRO)	418	50	mg/kg	500	ND	83.6	75.8-126	3.29	13.6
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Reported:
09/08/08 13:14

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 8090510 - EPA 5030 Water MS

Blank (8090510-BLK1)

Prepared: 09/06/08 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	12.6		"	13.3		94.7	77.3-121			
Surrogate: Toluene-d8	12.9		"	13.3		97.0	91.4-107			
Surrogate: 4-Bromofluorobenzene	13.1		"	13.3		98.5	85.3-109			

LCS (8090510-BS1)

Prepared: 09/06/08 Analyzed: 09/08/08

Benzene	31.4	1.0	ug/l	33.3		94.3	70-114			
Toluene	31.1	1.0	"	33.3		93.4	72.7-116			
Surrogate: 1,2-Dichloroethane-d4	12.6		"	13.3		94.7	77.3-121			
Surrogate: Toluene-d8	12.9		"	13.3		97.0	91.4-107			
Surrogate: 4-Bromofluorobenzene	13.1		"	13.3		98.5	85.3-109			

LCS Dup (8090510-BSD1)

Prepared: 09/06/08 Analyzed: 09/08/08

Benzene	31.3	1.0	ug/l	33.3		94.0	70-114	0.319	8.14	
Toluene	31.7	1.0	"	33.3		95.2	72.7-116	1.91	7.88	
Surrogate: 1,2-Dichloroethane-d4	13.1		"	13.3		98.5	77.3-121			
Surrogate: Toluene-d8	13.1		"	13.3		98.5	91.4-107			
Surrogate: 4-Bromofluorobenzene	13.3		"	13.3		100	85.3-109			

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

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