

# Summit Scientific

---

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

December 29, 2008

John Peterson  
LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada, CO 80003  
RE: PDC - Ehrlich 32-7

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,

A handwritten signature in black ink, appearing to be 'PS' followed by a long, sweeping horizontal line.

Paul Shrewsbury For Ben Shrewsbury  
Vice President / Laboratory Director



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

Project: PDC - Ehrlich 32-7

Project Number: PDC08181  
Project Manager: John Peterson

**Reported:**  
12/29/08 13:49

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
N01@3'	R812149-01	Soil	12/24/08 12:05	12/24/08 16:00
S01@3'	R812149-02	Soil	12/24/08 12:09	12/24/08 16:00
W01@3'	R812149-03	Soil	12/24/08 12:00	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 - Ehrlich 32-7

Project Number: PDC08181  
Project Manager: John Peterson

**Reported:**  
12/29/08 13:49

# Quantum Computing

52

741 Corporate Circle Suite 1 ♦ Golden, Colorado 80401

303-277-9310 ♦ 303-277-9531 Fax

Client: **LT Environmental, Inc.**

**Address:** 4600 West 60th Avenue

City/State/Zip: Arvada, CO 80003

Phone: (303) 433-9788

Fax: (303) 433-1432

Sampler Name:

2em 4/10m

Project Number: PDC-08181

481

Page 7 of 7

[illegible]

[www.szscientific.com](http://www.szscientific.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 - Ehrlich 32-7

Project Number: PDC08181  
Project Manager: John Peterson

Reported:  
12/29/08 13:49

**N01@3'**  
**R812149-01 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: 12/24/08 12:05

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C10 (GRO)	ND	50	mg/kg	1	8122307	12/24/08	12/25/08	8015 Full Carbon Chain	
C10-C28 (DRO)	ND	50	"	"	"	"	"	"	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	
C6-C36 TPH	ND	50	"	"	"	"	"	"	

Date Sampled: 12/24/08 12:05

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		105 %	77.7-123		"	"	"	"	
Surrogate: Trifluorotoluene		85.5 %	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 - Ehrlich 32-7

Project Number: PDC08181  
Project Manager: John Peterson

**Reported:**  
12/29/08 13:49

**S01@3'**  
**R812149-02 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: 12/24/08 12:09

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
C6-C10 (GRO)	ND	50	mg/kg	1	8122307	12/24/08	12/25/08	8015 Full Carbon Chain	
C10-C28 (DRO)	ND	50	"	"	"	"	"	"	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	
C6-C36 TPH	ND	50	"	"	"	"	"	"	

Date Sampled: 12/24/08 12:09

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: o-Terphenyl		105 %	77.7-123		"	"	"	"	
Surrogate: Trifluorotoluene		88.0 %	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 - Ehrlich 32-7

Project Number: PDC08181  
Project Manager: John Peterson

**Reported:**  
12/29/08 13:49

**W01@3'**  
**R812149-03 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: 12/24/08 12:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C10 (GRO)	ND	50	mg/kg	1	8122307	12/24/08	12/25/08	8015 Full Carbon Chain	
C10-C28 (DRO)	ND	50	"	"	"	"	"	"	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	
C6-C36 TPH	ND	50	"	"	"	"	"	"	

Date Sampled: 12/24/08 12:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		105 %	77.7-123		"	"	"	"	
Surrogate: Trifluorotoluene		87.1 %	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 - Ehrlich 32-7

Project Number: PDC08181  
Project Manager: John Peterson

**Reported:**  
12/29/08 13:49

**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 8122307 - EPA 3550A**

**Blank (8122307-BLK1)**

Prepared: 12/24/08 Analyzed: 12/25/08

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

**LCS (8122307-BS1)**

Prepared: 12/24/08 Analyzed: 12/25/08

C10-C28 (DRO)	501	50	mg/kg	500	100	83.3-127
---------------	-----	----	-------	-----	-----	----------

**LCS Dup (8122307-BSD1)**

Prepared: 12/24/08 Analyzed: 12/25/08

C10-C28 (DRO)	496	50	mg/kg	500	99.2	83.3-127	1.00	15
---------------	-----	----	-------	-----	------	----------	------	----

**Matrix Spike (8122307-MS1)**

**Source: R812144-01**

Prepared: 12/24/08 Analyzed: 12/25/08

C10-C28 (DRO)	506	50	mg/kg	500	ND	101	75.8-126
---------------	-----	----	-------	-----	----	-----	----------

**Matrix Spike Dup (8122307-MSD1)**

**Source: R812144-01**

Prepared: 12/24/08 Analyzed: 12/25/08

C10-C28 (DRO)	534	50	mg/kg	500	ND	107	75.8-126	5.38	13.6
---------------	-----	----	-------	-----	----	-----	----------	------	------

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 - Ehrlich 32-7

Project Number: PDC08181  
Project Manager: John Peterson

**Reported:**  
12/29/08 13:49

### 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 'JP' or similar, with a long horizontal stroke extending to the right.

*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

December 30, 2008

John Peterson  
LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada, CO 80003  
RE: PDC - Ehrlich 32-7

Enclosed are the results of analyses for samples received by Summit Scientific on 12/29/08 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 be 'PS' followed by a long horizontal flourish.

Paul Shrewsbury For Ben Shrewsbury  
Vice President / Laboratory Director



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

Project: PDC - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: John Peterson

Reported:  
12/30/08 09:14

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GW01	R812168-01	Water	12/29/08 13:00	12/29/08 17:00

Summit Scientific 282168

741 Corporate Circle Suite 1 • Golden, Colorado 80401  
303-277-9310 • 303-277-9331 Fax

Client: LT Environmental, Inc.  
Address: 4600 West 60th Avenue  
City/State/Zip: Arvada, CO 80003  
Phone: (303) 433-9788  
Sampler Name: MT  
Project Manager: John Peterson  
E-Mail: jpeterson@ltenv.com  
Project Name: Ehrlich 32-7  
Project Number: PDC08181

Page 1 of 1

Sample Description	Date Sampled	Time Sampled	Number of Containers	Preservative	Matrix	Analyze For:	Special Instructions
GW01	12-29-08	1300	2	HCl HNO <sub>3</sub> None Other (Specify)	Soil Groundwater	Total Carbon Chain Other (Specify) BTEX	
Relinquished by: <u>WPA</u>				Date/Time: <u>12-29-08 1605</u>		Turn Around Time (Check) Same Day <input checked="" type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 72 Hours <input type="checkbox"/> Standard <input type="checkbox"/>	
Relinquished by:				Date/Time:		Notes:	
Relinquished by:				Date/Time:		Sample Integrity: Temperature/Upon Receipt: <u>4.2</u> Intact: <u>Yes</u> No	

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 - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: John Peterson

**Reported:**  
12/30/08 09:14

**GW01**  
**R812168-01 (Water)**

**Summit Scientific**

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

Date Sampled: 12/29/08 13:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>3800</b>	10	ug/l	10	8122908	12/29/08	12/29/08	EPA 8260B	E
<b>Toluene</b>	<b>3900</b>	10	"	"	"	"	"	"	E
<b>Ethylbenzene</b>	<b>210</b>	1.0	"	1	"	"	12/29/08	"	
<b>Xylenes (total)</b>	<b>2900</b>	10	"	10	"	"	12/29/08	"	

Date Sampled: 12/29/08 13:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		128 %	77.3-121		"	"	12/29/08	"	S-02
<i>Surrogate: Toluene-d8</i>		105 %	91.4-107		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		108 %	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 - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: John Peterson

Reported:  
12/30/08 09:14

## 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 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	2.5	79.6	66.8-117			
Toluene	26.7	1.0	"	33.3	6.4	61.0	71.5-117			
Surrogate: 1,2-Dichloroethane-d4	17.0		"	13.3		128	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			

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 - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: John Peterson

**Reported:**  
12/30/08 09:14

**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 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	2.5	82.6	66.8-117	3.39	17.8	
Toluene	27.6	1.0	"	33.3	6.4	63.7	71.5-117	3.31	14.4	
Surrogate: 1,2-Dichloroethane-d4	19.6		"	13.3		147	77.3-121			
Surrogate: Toluene-d8	13.9		"	13.3		105	91.4-107			
Surrogate: 4-Bromofluorobenzene	14.9		"	13.3		112	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 - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: John Peterson

**Reported:**  
12/30/08 09:14

### 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.

E          The concentration indicated for this analyte is an estimated value above the calibration range of the instrument.

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.*

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

# Summit Scientific

---

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.374.5933 - fax

January 01, 2009

John Peterson  
LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada, CO 80003  
RE: PDC - Ehrlich 32-7

Enclosed are the results of analyses for samples received by Summit Scientific on 12/31/08 15:35. 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' or 'Shrewsbury', 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 - Ehrlich 32-7  
Project Number: PDC08181  
Project Manager: John Peterson

**Reported:**  
01/01/09 23:28

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
E03@3'	R812177-01	Soil	12/31/08 10:10	12/31/08 15:35
E02@3'	R812177-02	Soil	12/31/08 10:15	12/31/08 15:35
E01@3'	R812177-03	Soil	12/31/08 10:20	12/31/08 15:35
W02@3'	R812177-04	Soil	12/31/08 10:25	12/31/08 15:35
W03@3'	R812177-05	Soil	12/31/08 10:30	12/31/08 15:35

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 - Ehrlich 32-7

Project Number: PDC08181  
Project Manager: John Peterson

**Reported:**  
01/01/09 23:28

# Summit Scientific

741 Corporate Circle Suite 1 ♦ Golden, Colorado 80401  
303-277-9310 ♦ 303-277-9531 Fax

Client: LT Environmental, Inc.

**Address:** 4600 West 60th Avenue

City/State/Zip: Arvada, CO 80003

Phone: (303) 433-9788

Fax: (303) 433-1432

Project Name: Elch 3

Sampler Name:

Sum Sherry

Project Number: PD-08191

Project Manager: John Peterson

E-Mail: [jpetererson@allenvv.com](mailto:jpetererson@allenvv.com)

Project Name: Elch SA-7

Project Number: PD-08191

2812177

Page 1 of 1

[illegible]

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

Project: PDC - Ehrlich 32-7

Project Number: PDC08181  
Project Manager: John Peterson

Reported:  
01/01/09 23:28

**E03@3'**  
**R812177-01 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: 12/31/08 10:10

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C10 (GRO)	ND	50	mg/kg	1	8123103	12/31/08	01/01/09	8015 Full Carbon Chain	
C10-C28 (DRO)	ND	50	"	"	"	"	"	"	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	
C6-C36 TPH	ND	50	"	"	"	"	"	"	

Date Sampled: 12/31/08 10:10

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		106 %	77.7-123		"	"	"	"	
Surrogate: Trifluorotoluene		89.4 %	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 - Ehrlich 32-7

Project Number: PDC08181  
Project Manager: John Peterson

Reported:  
01/01/09 23:28

**E02@3'**  
**R812177-02 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: 12/31/08 10:15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C10 (GRO)	ND	50	mg/kg	1	8123103	12/31/08	01/01/09	8015 Full Carbon Chain	
C10-C28 (DRO)	ND	50	"	"	"	"	"	"	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	
C6-C36 TPH	ND	50	"	"	"	"	"	"	

Date Sampled: 12/31/08 10:15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		107 %	77.7-123		"	"	"	"	
Surrogate: Trifluorotoluene		88.4 %	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 - Ehrlich 32-7

Project Number: PDC08181  
Project Manager: John Peterson

Reported:  
01/01/09 23:28

**E01@3'**  
**R812177-03 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: 12/31/08 10:20

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C10 (GRO)	ND	50	mg/kg	1	8123103	12/31/08	01/01/09	8015 Full Carbon Chain	
C10-C28 (DRO)	ND	50	"	"	"	"	"	"	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	
C6-C36 TPH	ND	50	"	"	"	"	"	"	

Date Sampled: 12/31/08 10:20

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		107 %	77.7-123		"	"	"	"	
Surrogate: Trifluorotoluene		84.3 %	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 - Ehrlich 32-7

Project Number: PDC08181  
Project Manager: John Peterson

Reported:  
01/01/09 23:28

**W02@3'**  
**R812177-04 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: 12/31/08 10:25

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C10 (GRO)	ND	50	mg/kg	1	8123103	12/31/08	01/01/09	8015 Full Carbon Chain	
C10-C28 (DRO)	ND	50	"	"	"	"	"	"	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	
C6-C36 TPH	ND	50	"	"	"	"	"	"	

Date Sampled: 12/31/08 10:25

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		106 %	77.7-123		"	"	"	"	
Surrogate: Trifluorotoluene		85.6 %	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 - Ehrlich 32-7

Project Number: PDC08181  
Project Manager: John Peterson

Reported:  
01/01/09 23:28

**W03@3'**  
**R812177-05 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: 12/31/08 10:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C10 (GRO)	ND	50	mg/kg	1	8123103	12/31/08	01/01/09	8015 Full Carbon Chain	
C10-C28 (DRO)	ND	50	"	"	"	"	"	"	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	
C6-C36 TPH	ND	50	"	"	"	"	"	"	

Date Sampled: 12/31/08 10:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		103 %	77.7-123		"	"	"	"	
Surrogate: Trifluorotoluene		85.4 %	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 - Ehrlich 32-7  
Project Number: PDC08181  
Project Manager: John Peterson

**Reported:**  
01/01/09 23:28

**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 8123103 - EPA 3550A**

**Blank (8123103-BLK1)**

Prepared & Analyzed: 12/31/08

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

**LCS (8123103-BS1)**

Prepared & Analyzed: 12/31/08

C10-C28 (DRO)	437	50	mg/kg	500	87.4	83.3-127
---------------	-----	----	-------	-----	------	----------

**LCS Dup (8123103-BSD1)**

Prepared & Analyzed: 12/31/08

C10-C28 (DRO)	422	50	mg/kg	500	84.4	83.3-127	3.49	15
---------------	-----	----	-------	-----	------	----------	------	----

**Matrix Spike (8123103-MS1)**

**Source: R812176-01**

Prepared & Analyzed: 12/31/08

C10-C28 (DRO)	839	50	mg/kg	500	440	79.8	75.8-126
---------------	-----	----	-------	-----	-----	------	----------

**Matrix Spike Dup (8123103-MSD1)**

**Source: R812176-01**

Prepared: 12/31/08 Analyzed: 01/01/09

C10-C28 (DRO)	847	50	mg/kg	500	440	81.4	75.8-126	0.949	13.6
---------------	-----	----	-------	-----	-----	------	----------	-------	------

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 - Ehrlich 32-7  Project Number: PDC08181 Project Manager: John Peterson	<b>Reported:</b> 01/01/09 23:28
---	---	------------------------------------

**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

---

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

March 13, 2009

John Peterson  
LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada, CO 80003  
RE: PDC - Ehrlich 32-7

Enclosed are the results of analyses for samples received by Summit Scientific on 03/10/09 16:10. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to be 'LS' followed by a long, sweeping horizontal line.

Logan Shrewsbury For Ben Shrewsbury  
Vice President / Laboratory Director



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

Project: PDC - Ehrlich 32-7

Project Number: PDC08181  
Project Manager: John Peterson

**Reported:**  
03/13/09 17:38

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01	R903048-01	Water	03/10/09 11:30	03/10/09 16:10
MW02	R903048-02	Water	03/10/09 11:44	03/10/09 16:10
MW03	R903048-03	Water	03/10/09 11:55	03/10/09 16:10
MW04	R903048-04	Water	03/10/09 12:05	03/10/09 16:10
MW05	R903048-05	Water	03/10/09 12:15	03/10/09 16:10

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 - Ehrlich 32-7

Project Number: PDC08181  
Project Manager: John Peterson

**Reported:**  
03/13/09 17:38

Summit Scientific R903048

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

Page 1 of 1

Client: LT Environmental, Inc.

Address: 4600 West 60th Avenue

City/State/Zip: Arvada, CO 80003

City/State/Zip:  Arvada, CO 80003  
Phone: (303) 433-9788Phone: (303) 453-9788  
Candidate Name: hail

Sampler Name: W.H.

**Project Manager:** John Peterson

E-Mail: [ipeterson@ltnv.com](mailto:ipeterson@ltnv.com)

Project Name: Ehrlich 82-7

Project Number: PAC08181

Project Number: 12040001

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)
MW01	3/10/09	1130	2	X				X					
MW02		1144											
MW03		1155											
MW04		1205											
MW05		1215											
<div style="display: flex; justify-content: space-between;"> <div> <p>Relinquished by: <u>WJH</u></p> <p>Relinquished by: _____</p> </div> <div> <p>Date/Time: <u>3/10/09 1610</u></p> <p>Date/Time: _____</p> </div> <div> <p>Received by: <u>WJH</u></p> <p>Received by: _____</p> </div> <div> <p>Date/Time: <u>3/10/09 1610</u></p> <p>Date/Time: _____</p> </div> <div> <p>Turn Around Time (Check)</p> <p>Same Day <input type="checkbox"/> 72 Hours <input checked="" type="checkbox"/></p> <p>24 Hours <input type="checkbox"/> Standard <input type="checkbox"/></p> <p>48 Hours <input type="checkbox"/></p> </div> <div> <p>Notes:</p> </div> </div>													
<p>Sample Integrity:</p> <p>Temperature Upon Receipt: <u>4.5</u></p> <p>Intact: <u>Yes</u> No</p>													

[www.s2scientific.com](http://www.s2scientific.com)



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

Project: PDC - Ehrlich 32-7

Project Number: PDC08181  
Project Manager: John Peterson

**Reported:**  
03/13/09 17:38

**MW01**  
**R903048-01 (Water)**

**Summit Scientific**

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

Date Sampled: **03/10/09 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>20</b>	1.0	ug/l	1	9031208	03/12/09	03/13/09	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **03/10/09 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>106 %</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 - Ehrlich 32-7

Project Number: PDC08181  
Project Manager: John Peterson

**Reported:**  
03/13/09 17:38

**MW02**  
**R903048-02 (Water)**

**Summit Scientific**

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

Date Sampled: **03/10/09 11:44**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	9031208	03/12/09	03/13/09	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **03/10/09 11:44**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		108 %	77.3-121		"	"	"	"	
Surrogate: Toluene-d8		102 %	91.4-107		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.5 %	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 - Ehrlich 32-7

Project Number: PDC08181  
Project Manager: John Peterson

**Reported:**  
03/13/09 17:38

**MW03**  
**R903048-03 (Water)**

**Summit Scientific**

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

Date Sampled: **03/10/09 11:55**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	9031208	03/12/09	03/13/09	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	ND	1.0		"	"	"	"	"	"	

Date Sampled: **03/10/09 11:55**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		109 %		77.3-121		"	"	"	"	
Surrogate: Toluene-d8		102 %		91.4-107		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.5 %		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 - Ehrlich 32-7

Project Number: PDC08181  
Project Manager: John Peterson

**Reported:**  
03/13/09 17:38

**MW04**  
**R903048-04 (Water)**

**Summit Scientific**

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

Date Sampled: **03/10/09 12:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	9031208	03/12/09	03/13/09	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **03/10/09 12:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		103 %	77.3-121		"	"	"	"	
Surrogate: Toluene-d8		101 %	91.4-107		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.5 %	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 - Ehrlich 32-7

Project Number: PDC08181  
Project Manager: John Peterson

**Reported:**  
03/13/09 17:38

**MW05**  
**R903048-05 (Water)**

**Summit Scientific**

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

Date Sampled: **03/10/09 12:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	9031208	03/12/09	03/13/09	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **03/10/09 12:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		108 %	77.3-121		"	"	"	"	
Surrogate: Toluene-d8		101 %	91.4-107		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		100 %	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 - Ehrlich 32-7  
Project Number: PDC08181  
Project Manager: John Peterson

Reported:  
03/13/09 17:38

## 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 9031208 - EPA 5030 Water MS

##### Blank (9031208-BLK1)

Prepared & Analyzed: 03/12/09

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	14.0		"	13.3	105	77.3-121				
Surrogate: Toluene-d8	13.4		"	13.3	101	91.4-107				
Surrogate: 4-Bromofluorobenzene	13.2		"	13.3	99.2	85.3-109				

##### LCS (9031208-BS1)

Prepared & Analyzed: 03/12/09

Benzene	28.1	1.0	ug/l	33.3	84.4	70-114				
Toluene	29.6	1.0	"	33.3	88.9	72.7-116				
Surrogate: 1,2-Dichloroethane-d4	13.8		"	13.3	104	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 (9031208-BSD1)

Prepared & Analyzed: 03/12/09

Benzene	27.6	1.0	ug/l	33.3	82.9	70-114	1.80	8.14		
Toluene	28.8	1.0	"	33.3	86.5	72.7-116	2.74	7.88		
Surrogate: 1,2-Dichloroethane-d4	13.3		"	13.3	100	77.3-121				
Surrogate: Toluene-d8	13.5		"	13.3	102	91.4-107				
Surrogate: 4-Bromofluorobenzene	13.1		"	13.3	98.5	85.3-109				

##### Matrix Spike (9031208-MS1)

Source: R903046-02

Prepared & Analyzed: 03/12/09

Benzene	28.2	1.0	ug/l	33.3	ND	84.7	66.8-117			
Toluene	30.0	1.0	"	33.3	ND	90.1	71.5-117			
Surrogate: 1,2-Dichloroethane-d4	14.6		"	13.3		110	77.3-121			
Surrogate: Toluene-d8	13.8		"	13.3		104	91.4-107			
Surrogate: 4-Bromofluorobenzene	13.6		"	13.3		102	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 - Ehrlich 32-7

Project Number: PDC08181  
Project Manager: John Peterson

**Reported:**  
03/13/09 17:38

**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 9031208 - EPA 5030 Water MS**

Matrix Spike Dup (9031208-MSD1)		Source: R903046-02			Prepared: 03/12/09		Analyzed: 03/13/09			
Benzene	27.4	1.0	ug/l	33.3	ND	82.3	66.8-117	2.88	17.8	
Toluene	29.0	1.0	"	33.3	ND	87.1	71.5-117	3.39	14.4	
Surrogate: 1,2-Dichloroethane-d4	17.1		"	13.3		129	77.3-121			
Surrogate: Toluene-d8	13.6		"	13.3		102	91.4-107			
Surrogate: 4-Bromofluorobenzene	13.9		"	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 - Ehrlich 32-7

Project Number: PDC08181  
Project Manager: John Peterson

**Reported:**  
03/13/09 17:38

### 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.*

# Summit Scientific

---

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

May 04, 2009

John Peterson  
LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada, CO 80003  
RE: PDC - Ehrlich 32-7

Enclosed are the results of analyses for samples received by Summit Scientific on 04/24/09 14:50. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in dark ink, appearing to be 'LS' followed by a long, sweeping horizontal line.

Logan Shrewsbury For Ben Shrewsbury  
Vice President / Laboratory Director





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

Project: PDC - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: John Peterson

**Reported:**  
05/04/09 21:58

**MW06**  
**R904132-01 (Water)**

**Summit Scientific**

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

Date Sampled: **04/24/09 12:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	9050104	05/01/09	05/02/09	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	ND	1.0		"	"	"	"	"	"	

Date Sampled: **04/24/09 12:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		107 %		77.3-121		"	"	"	"	
Surrogate: Toluene-d8		97.7 %		91.4-107		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		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 - Ehrlich 32-7  
Project Number: PDC 08181  
Project Manager: John Peterson

Reported:  
05/04/09 21:58

## 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 9050104 - EPA 5030 Water MS

##### Blank (9050104-BLK1)

Prepared: 05/01/09 Analyzed: 05/02/09

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	14.6		"	13.3	110	77.3-121				
Surrogate: Toluene-d8	12.6		"	13.3	94.7	91.4-107				
Surrogate: 4-Bromofluorobenzene	13.5		"	13.3	102	85.3-109				

##### LCS (9050104-BS1)

Prepared: 05/01/09 Analyzed: 05/02/09

Benzene	26.8	1.0	ug/l	33.3	80.5	70-114				
Toluene	29.0	1.0	"	33.3	87.1	72.7-116				
Surrogate: 1,2-Dichloroethane-d4	15.2		"	13.3	114	77.3-121				
Surrogate: Toluene-d8	12.8		"	13.3	96.2	91.4-107				
Surrogate: 4-Bromofluorobenzene	13.0		"	13.3	97.7	85.3-109				

##### LCS Dup (9050104-BSD1)

Prepared: 05/01/09 Analyzed: 05/02/09

Benzene	26.7	1.0	ug/l	33.3	80.2	70-114	0.374	8.14		
Toluene	29.3	1.0	"	33.3	88.0	72.7-116	1.03	7.88		
Surrogate: 1,2-Dichloroethane-d4	15.0		"	13.3	113	77.3-121				
Surrogate: Toluene-d8	12.6		"	13.3	94.7	91.4-107				
Surrogate: 4-Bromofluorobenzene	13.6		"	13.3	102	85.3-109				

##### Matrix Spike (9050104-MS1)

Source: R904125-01

Prepared: 05/01/09 Analyzed: 05/02/09

Benzene	26.1	1.0	ug/l	33.3	ND	78.4	66.8-117			
Toluene	28.7	1.0	"	33.3	ND	86.2	71.5-117			
Surrogate: 1,2-Dichloroethane-d4	15.7		"	13.3		118	77.3-121			
Surrogate: Toluene-d8	12.7		"	13.3		95.5	91.4-107			
Surrogate: 4-Bromofluorobenzene	13.2		"	13.3		99.2	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 - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: John Peterson

**Reported:**  
05/04/09 21:58

**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 9050104 - EPA 5030 Water MS**

Matrix Spike Dup (9050104-MSD1)		Source: R904125-01			Prepared: 05/01/09		Analyzed: 05/02/09			
Benzene	26.4	1.0	ug/l	33.3	ND	79.3	66.8-117	1.14	17.8	
Toluene	29.0	1.0	"	33.3	ND	87.1	71.5-117	1.04	14.4	
Surrogate: 1,2-Dichloroethane-d4	15.6		"	13.3		117	77.3-121			
Surrogate: Toluene-d8	12.8		"	13.3		96.2	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 - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: John Peterson

**Reported:**  
05/04/09 21:58

### 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.*

# Summit Scientific

---

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

June 29, 2009

John Peterson  
LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada, CO 80003  
RE: PDC - Ehrlich 32-7

Enclosed are the results of analyses for samples received by Summit Scientific on 06/22/09 16:44. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to be 'LS' or 'Logan Shrewsbury', with a long horizontal stroke extending to the right.

Logan Shrewsbury For Ben Shrewsbury  
Vice President / Laboratory Director



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

Project: PDC - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: John Peterson

**Reported:**  
06/29/09 13:13

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01	R906139-01	Water	06/19/09 00:00	06/22/09 16:44
MW02	R906139-02	Water	06/19/09 00:00	06/22/09 16:44
MW03	R906139-03	Water	06/19/09 00:00	06/22/09 16:44
MW04	R906139-04	Water	06/19/09 00:00	06/22/09 16:44
MW05	R906139-05	Water	06/19/09 00:00	06/22/09 16:44
MW06	R906139-06	Water	06/19/09 00:00	06/22/09 16:44

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 - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: John Peterson

**Reported:**  
06/29/09 13:13

Summit Scientific  
 8906139

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

Client:	LT Environmental, Inc.		
Project Manager:	John Peterson		
E-Mail:	jpetersen@lternv.com		
City/State/Zip:	Arvada	CO	80003
Address:	4600 West 60th Avenue		
Phone:	(303) 433-9788	Fax:	(303) 433-1432
Sampler Name:	BOLAT FOLKWEIL		
Project Number:	PDC03108		
Project Name:	EHE LICH 32-7		

Page 1 of 1

[illegible]

[www.s2scientific.com](http://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 - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: John Peterson

Reported:  
06/29/09 13:13

**MW01**  
**R906139-01 (Water)**

**Summit Scientific**

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

Date Sampled: **06/19/09 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	9062607	06/26/09	06/27/09	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	ND	1.0		"	"	"	"	"	"	

Date Sampled: **06/19/09 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		104 %		77.3-121		"	"	"	"	
Surrogate: Toluene-d8		101 %		91.4-107		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.2 %		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 - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: John Peterson

**Reported:**  
06/29/09 13:13

**MW02**  
**R906139-02 (Water)**

**Summit Scientific**

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

Date Sampled: **06/19/09 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	9062607	06/26/09	06/27/09	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	ND	1.0		"	"	"	"	"	"	

Date Sampled: **06/19/09 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		102 %		77.3-121		"	"	"	"	
Surrogate: Toluene-d8		99.2 %		91.4-107		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.7 %		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 - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: John Peterson

Reported:  
06/29/09 13:13

**MW03**  
**R906139-03 (Water)**

**Summit Scientific**

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

Date Sampled: **06/19/09 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	9062607	06/26/09	06/27/09	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **06/19/09 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		103 %	77.3-121		"	"	"	"	
Surrogate: Toluene-d8		99.2 %	91.4-107		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.2 %	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 - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: John Peterson

**Reported:**  
06/29/09 13:13

**MW04**  
**R906139-04 (Water)**

**Summit Scientific**

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

Date Sampled: **06/19/09 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	9062607	06/26/09	06/27/09	EPA 8260B	
<b>Toluene</b>	<b>1.2</b>	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **06/19/09 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>105 %</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>98.5 %</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 - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: John Peterson

**Reported:**  
06/29/09 13:13

**MW05**  
**R906139-05 (Water)**

**Summit Scientific**

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

Date Sampled: **06/19/09 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	9062607	06/26/09	06/27/09	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **06/19/09 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		104 %	77.3-121		"	"	"	"	
Surrogate: Toluene-d8		101 %	91.4-107		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.5 %	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 - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: John Peterson

Reported:  
06/29/09 13:13

**MW06**  
**R906139-06 (Water)**

**Summit Scientific**

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

Date Sampled: **06/19/09 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	9062607	06/26/09	06/27/09	EPA 8260B	
<b>Toluene</b>	<b>1.5</b>	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	ND	1.0		"	"	"	"	"	"	

Date Sampled: **06/19/09 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		106 %		77.3-121		"	"	"	"	
Surrogate: Toluene-d8		100 %		91.4-107		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.5 %		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 - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: John Peterson

Reported:  
06/29/09 13:13

## 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 9062607 - EPA 5030 Water MS

##### Blank (9062607-BLK1)

Prepared: 06/26/09 Analyzed: 06/27/09

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	12.9		"	13.3		97.0	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 (9062607-BS1)

Prepared: 06/26/09 Analyzed: 06/27/09

Benzene	30.1	1.0	ug/l	33.3		90.4	70-114			
Toluene	32.9	1.0	"	33.3		98.8	72.7-116			
Surrogate: 1,2-Dichloroethane-d4	13.1		"	13.3		98.5	77.3-121			
Surrogate: Toluene-d8	13.4		"	13.3		101	91.4-107			
Surrogate: 4-Bromofluorobenzene	12.8		"	13.3		96.2	85.3-109			

##### LCS Dup (9062607-BSD1)

Prepared: 06/26/09 Analyzed: 06/27/09

Benzene	31.1	1.0	ug/l	33.3		93.4	70-114	3.27	8.14	
Toluene	34.2	1.0	"	33.3		103	72.7-116	3.87	7.88	
Surrogate: 1,2-Dichloroethane-d4	13.4		"	13.3		101	77.3-121			
Surrogate: Toluene-d8	13.5		"	13.3		102	91.4-107			
Surrogate: 4-Bromofluorobenzene	13.0		"	13.3		97.7	85.3-109			

##### Matrix Spike (9062607-MS1)

Source: R906139-02

Prepared: 06/26/09 Analyzed: 06/27/09

Benzene	30.9	1.0	ug/l	33.3	ND	92.8	66.8-117			
Toluene	34.4	1.0	"	33.3	ND	103	71.5-117			
Surrogate: 1,2-Dichloroethane-d4	13.8		"	13.3		104	77.3-121			
Surrogate: Toluene-d8	13.5		"	13.3		102	91.4-107			
Surrogate: 4-Bromofluorobenzene	13.0		"	13.3		97.7	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 - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: John Peterson

**Reported:**  
06/29/09 13:13

**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 9062607 - EPA 5030 Water MS**

Matrix Spike Dup (9062607-MSD1)		Source: R906139-02		Prepared: 06/26/09		Analyzed: 06/27/09				
Benzene	27.4	1.0	ug/l	33.3	ND	82.3	66.8-117	12.0	17.8	
Toluene	30.4	1.0	"	33.3	ND	91.3	71.5-117	12.3	14.4	
Surrogate: 1,2-Dichloroethane-d4	15.9		"	13.3		120	77.3-121			
Surrogate: Toluene-d8	13.4		"	13.3		101	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 - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: John Peterson

**Reported:**  
06/29/09 13:13

### 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

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.*

# Summit Scientific

---

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

October 05, 2009

John Peterson  
LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada, CO 80003  
RE: PDC - Ehrlich 32-7

Enclosed are the results of analyses for samples received by Summit Scientific on 09/23/09 16:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink, appearing to be 'PS' followed by a long, sweeping horizontal line.

Paul Shrewsbury For Ben Shrewsbury  
President / Laboratory Director



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

Project: PDC - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: John Peterson

**Reported:**  
10/05/09 11:32

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01	R909139-01	Water	09/23/09 13:05	09/23/09 16:00
MW02	R909139-02	Water	09/23/09 13:15	09/23/09 16:00
MW03	R909139-03	Water	09/23/09 13:35	09/23/09 16:00
MW04	R909139-04	Water	09/23/09 13:45	09/23/09 16:00
MW05	R909139-05	Water	09/23/09 13:55	09/23/09 16:00
MW06	R909139-06	Water	09/23/09 13:25	09/23/09 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 - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: John Peterson

**Reported:**  
10/05/09 11:32

Summit Scientific 2909139

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

City/State/Zip: \_\_\_\_\_  
Phone: (303) 433-9788

Comptroller Name: Sam. L.

Sampler Name: 2222 6

**Project Manager:** John Peterson

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

Project Name: Ehrlich 32-7

Project Name: 201101100  
Project Number: 20C 08181

Project Number: POC28181

[illegible]

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 - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: John Peterson

**Reported:**  
10/05/09 11:32

**MW01**  
**R909139-01 (Water)**

**Summit Scientific**

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

Date Sampled: **09/23/09 13:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	9092901	09/29/09	09/30/09	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **09/23/09 13:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		74.0 %	74.3-129		"	"	"	"	
Surrogate: Toluene-d8		95.0 %	87.7-110		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		100 %	83.5-115		"	"	"	"	

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 - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: John Peterson

**Reported:**  
10/05/09 11:32

**MW02**  
**R909139-02 (Water)**

**Summit Scientific**

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

Date Sampled: **09/23/09 13:15**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	9092901	09/29/09	09/30/09	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	ND	1.0		"	"	"	"	"	"	

Date Sampled: **09/23/09 13:15**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		71.9 %		74.3-129		"	"	"	"	
Surrogate: Toluene-d8		95.5 %		87.7-110		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.3 %		83.5-115		"	"	"	"	

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 - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: John Peterson

**Reported:**  
10/05/09 11:32

**MW03**  
**R909139-03 (Water)**

**Summit Scientific**

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

Date Sampled: **09/23/09 13:35**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	9092901	09/29/09	09/30/09	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	ND	1.0		"	"	"	"	"	"	

Date Sampled: **09/23/09 13:35**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		75.2 %		74.3-129		"	"	"	"	
Surrogate: Toluene-d8		96.2 %		87.7-110		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.0 %		83.5-115		"	"	"	"	

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 - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: John Peterson

**Reported:**  
10/05/09 11:32

**MW04**  
**R909139-04 (Water)**

**Summit Scientific**

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

Date Sampled: **09/23/09 13:45**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	9092901	09/29/09	09/30/09	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	ND	1.0		"	"	"	"	"	"	

Date Sampled: **09/23/09 13:45**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		77.0 %		74.3-129		"	"	"	"	
Surrogate: Toluene-d8		96.5 %		87.7-110		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.8 %		83.5-115		"	"	"	"	

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 - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: John Peterson

**Reported:**  
10/05/09 11:32

**MW05**  
**R909139-05 (Water)**

**Summit Scientific**

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

Date Sampled: **09/23/09 13:55**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	ND	1.0	ug/l	1	9092901	09/29/09	09/30/09	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **09/23/09 13:55**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4		79.0 %	74.3-129		"	"	"	"	
Surrogate: Toluene-d8		101 %	87.7-110		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	83.5-115		"	"	"	"	

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 - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: John Peterson

**Reported:**  
10/05/09 11:32

**MW06**  
**R909139-06 (Water)**

**Summit Scientific**

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

Date Sampled: **09/23/09 13:25**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	9092901	09/29/09	09/30/09	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	ND	1.0		"	"	"	"	"	"	

Date Sampled: **09/23/09 13:25**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		80.0 %		74.3-129		"	"	"	"	
Surrogate: Toluene-d8		101 %		87.7-110		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.1 %		83.5-115		"	"	"	"	

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 - Ehrlich 32-7  
Project Number: PDC 08181  
Project Manager: John Peterson

**Reported:**  
10/05/09 11:32

## 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 9092901 - EPA 5030 Water MS

##### Blank (9092901-BLK1)

Prepared: 09/29/09 Analyzed: 09/30/09

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	11.0		"	13.3		82.6	74.3-129			
Surrogate: Toluene-d8	13.3		"	13.3		99.7	87.7-110			
Surrogate: 4-Bromofluorobenzene	13.2		"	13.3		99.2	83.5-115			

##### Blank (9092901-BLK2)

Prepared: 09/29/09 Analyzed: 09/30/09

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	10.8		"	13.3		81.1	74.3-129			
Surrogate: Toluene-d8	13.3		"	13.3		99.6	87.7-110			
Surrogate: 4-Bromofluorobenzene	13.3		"	13.3		99.5	83.5-115			

##### LCS (9092901-BS1)

Prepared: 09/29/09 Analyzed: 09/30/09

Benzene	29.3	1.0	ug/l	33.3		87.8	70-114		8.14	
Toluene	29.3	1.0	"	33.3		87.8	72.7-116		7.88	
Surrogate: 1,2-Dichloroethane-d4	11.0		"	13.3		82.5	74.3-129			
Surrogate: Toluene-d8	13.4		"	13.3		100	87.7-110			
Surrogate: 4-Bromofluorobenzene	13.5		"	13.3		101	83.5-115			

##### LCS (9092901-BS2)

Prepared: 09/29/09 Analyzed: 09/30/09

Benzene	29.3	1.0	ug/l	33.3		87.8	70-114		8.14	
Toluene	29.2	1.0	"	33.3		87.5	72.7-116		7.88	
Surrogate: 1,2-Dichloroethane-d4	11.3		"	13.3		84.7	74.3-129			
Surrogate: Toluene-d8	13.3		"	13.3		99.5	87.7-110			
Surrogate: 4-Bromofluorobenzene	13.3		"	13.3		100	83.5-115			

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 - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: John Peterson

Reported:  
10/05/09 11:32

**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 9092901 - EPA 5030 Water MS**

**LCS Dup (9092901-BSD1)**

Prepared: 09/29/09 Analyzed: 09/30/09

Benzene	30.4	1.0	ug/l	33.3		91.2	70-114	3.82	8.14	
Toluene	30.1	1.0	"	33.3		90.2	72.7-116	2.70	7.88	
Surrogate: 1,2-Dichloroethane-d4	11.2		"	13.3		84.4	74.3-129			
Surrogate: Toluene-d8	13.4		"	13.3		101	87.7-110			
Surrogate: 4-Bromofluorobenzene	13.2		"	13.3		98.9	83.5-115			

**LCS Dup (9092901-BSD2)**

Prepared: 09/29/09 Analyzed: 09/30/09

Benzene	30.3	1.0	ug/l	33.3		90.8	70-114	3.39	8.14	
Toluene	30.0	1.0	"	33.3		89.9	72.7-116	2.71	7.88	
Surrogate: 1,2-Dichloroethane-d4	11.4		"	13.3		85.6	74.3-129			
Surrogate: Toluene-d8	13.6		"	13.3		102	87.7-110			
Surrogate: 4-Bromofluorobenzene	13.0		"	13.3		97.5	83.5-115			

**Matrix Spike (9092901-MS1)**

Source: R909171-01

Prepared: 09/29/09 Analyzed: 09/30/09

Benzene	30.8	1.0	ug/l	33.3	ND	92.6	66.8-117		17.8	
Toluene	30.4	1.0	"	33.3	ND	91.3	71.5-117		14.4	
Surrogate: 1,2-Dichloroethane-d4	11.0		"	13.3		82.4	74.3-129			
Surrogate: Toluene-d8	13.3		"	13.3		99.9	87.7-110			
Surrogate: 4-Bromofluorobenzene	13.1		"	13.3		98.0	83.5-115			

**Matrix Spike (9092901-MS2)**

Source: R909171-01

Prepared: 09/29/09 Analyzed: 09/30/09

Benzene	30.2	1.0	ug/l	33.3	ND	90.8	66.8-117		17.8	
Toluene	29.7	1.0	"	33.3	ND	89.0	71.5-117		14.4	
Surrogate: 1,2-Dichloroethane-d4	11.3		"	13.3		84.5	74.3-129			
Surrogate: Toluene-d8	13.6		"	13.3		102	87.7-110			
Surrogate: 4-Bromofluorobenzene	13.4		"	13.3		101	83.5-115			

**Matrix Spike Dup (9092901-MSD1)**

Source: R909171-01

Prepared: 09/29/09 Analyzed: 09/30/09

Benzene	29.8	1.0	ug/l	33.3	ND	89.3	66.8-117	3.63	17.8	
Toluene	29.2	1.0	"	33.3	ND	87.5	71.5-117	4.23	14.4	
Surrogate: 1,2-Dichloroethane-d4	11.0		"	13.3		82.6	74.3-129			
Surrogate: Toluene-d8	13.7		"	13.3		103	87.7-110			
Surrogate: 4-Bromofluorobenzene	13.2		"	13.3		99.3	83.5-115			

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 - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: John Peterson

**Reported:**  
10/05/09 11:32

**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 9092901 - EPA 5030 Water MS**

Matrix Spike Dup (9092901-MSD2)		Source: R909171-01			Prepared: 09/29/09		Analyzed: 09/30/09			
Benzene	30.2	1.0	ug/l	33.3	ND	90.6	66.8-117	0.165	17.8	
Toluene	29.5	1.0	"	33.3	ND	88.5	71.5-117	0.575	14.4	
Surrogate: 1,2-Dichloroethane-d4	10.7		"	13.3		80.0	74.3-129			
Surrogate: Toluene-d8	13.2		"	13.3		99.4	87.7-110			
Surrogate: 4-Bromofluorobenzene	13.3		"	13.3		100	83.5-115			

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 - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: John Peterson

**Reported:**  
10/05/09 11:32

### 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.*

# Summit Scientific

---

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

December 16, 2009

John Peterson  
LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada, CO 80003  
RE: PDC - Ehrlich 32-7

Enclosed are the results of analyses for samples received by Summit Scientific on 12/09/09 17:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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

Paul Shrewsbury For Ben Shrewsbury  
President / Laboratory Director



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

Project: PDC - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: John Peterson

**Reported:**  
12/16/09 14:29

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01	R912046-01	Water	12/09/09 13:45	12/09/09 17:00
MW02	R912046-02	Water	12/09/09 13:50	12/09/09 17:00
MW03	R912046-03	Water	12/09/09 13:55	12/09/09 17:00
MW04	R912046-04	Water	12/09/09 14:00	12/09/09 17:00
MW05	R912046-05	Water	12/09/09 14:05	12/09/09 17:00
MW06	R912046-06	Water	12/09/09 14:10	12/09/09 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 - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: John Peterson

**Reported:**  
12/16/09 14:29

Summit Scientific 2910046

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

Client:	LT Environmental, Inc.		
Address:	4600 West 60th Avenue	Project Manager:	John Peterson
City/State/Zip:	Arvada, CO 80003	E-Mail:	jpeterson@lternv.com
Phone:	(303) 433-9788	Fax:	(303) 433-1432
Project Name:	Ehrlich 32-7		
Project Number:	9260581		

Page / of /

[illegible]

[www.s2scientific.com](http://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 - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: John Peterson

**Reported:**  
12/16/09 14:29

**MW01**  
**R912046-01 (Water)**

**Summit Scientific**

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

Date Sampled: 12/09/09 13:45

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	9121401	12/14/09	12/15/09	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: 12/09/09 13:45

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		92.4 %	74.3-129		"	"	"	"	
Surrogate: Toluene-d8		101 %	87.7-110		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	83.5-115		"	"	"	"	

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 - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: John Peterson

**Reported:**  
12/16/09 14:29

**MW02**  
**R912046-02 (Water)**

**Summit Scientific**

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

Date Sampled: 12/09/09 13:50

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	9121401	12/14/09	12/15/09	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: 12/09/09 13:50

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		90.8 %	74.3-129		"	"	"	"	
Surrogate: Toluene-d8		100 %	87.7-110		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %	83.5-115		"	"	"	"	

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 - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: John Peterson

**Reported:**  
12/16/09 14:29

**MW03**  
**R912046-03 (Water)**

**Summit Scientific**

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

Date Sampled: 12/09/09 13:55

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	9121401	12/14/09	12/15/09	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: 12/09/09 13:55

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		94.1 %	74.3-129		"	"	"	"	
Surrogate: Toluene-d8		102 %	87.7-110		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		103 %	83.5-115		"	"	"	"	

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 - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: John Peterson

**Reported:**  
12/16/09 14:29

**MW04**  
**R912046-04 (Water)**

**Summit Scientific**

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

Date Sampled: 12/09/09 14:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	9121401	12/14/09	12/15/09	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: 12/09/09 14:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		94.6 %	74.3-129		"	"	"	"	
Surrogate: Toluene-d8		101 %	87.7-110		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	83.5-115		"	"	"	"	

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 - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: John Peterson

**Reported:**  
12/16/09 14:29

**MW05**  
**R912046-05 (Water)**

**Summit Scientific**

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

Date Sampled: 12/09/09 14:05

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	ND	1.0	ug/l	1	9121401	12/14/09	12/15/09	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: 12/09/09 14:05

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4		89.6 %	74.3-129		"	"	"	"	
Surrogate: Toluene-d8		101 %	87.7-110		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	83.5-115		"	"	"	"	

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 - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: John Peterson

**Reported:**  
12/16/09 14:29

**MW06**  
**R912046-06 (Water)**

**Summit Scientific**

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

Date Sampled: 12/09/09 14:10

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	ND	1.0	ug/l	1	9121401	12/14/09	12/15/09	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: 12/09/09 14:10

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4		93.6 %	74.3-129		"	"	"	"	
Surrogate: Toluene-d8		101 %	87.7-110		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %	83.5-115		"	"	"	"	

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 - Ehrlich 32-7  
Project Number: PDC 08181  
Project Manager: John Peterson

**Reported:**  
12/16/09 14:29

## 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 9121401 - EPA 5030 Water MS

##### Blank (9121401-BLK1)

Prepared & Analyzed: 12/14/09

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	13.6		"	13.3	102	74.3-129				
Surrogate: Toluene-d8	13.0		"	13.3	97.6	87.7-110				
Surrogate: 4-Bromofluorobenzene	13.8		"	13.3	103	83.5-115				

##### LCS (9121401-BS1)

Prepared & Analyzed: 12/14/09

Benzene	35.2	1.0	ug/l	33.3	106	70-114		8.14		
Toluene	33.7	1.0	"	33.3	101	72.7-116		7.88		
Surrogate: 1,2-Dichloroethane-d4	14.2		"	13.3	107	74.3-129				
Surrogate: Toluene-d8	13.2		"	13.3	99.0	87.7-110				
Surrogate: 4-Bromofluorobenzene	13.7		"	13.3	103	83.5-115				

##### LCS Dup (9121401-BSD1)

Prepared & Analyzed: 12/14/09

Benzene	35.3	1.0	ug/l	33.3	106	70-114	0.170	8.14		
Toluene	34.1	1.0	"	33.3	102	72.7-116	1.06	7.88		
Surrogate: 1,2-Dichloroethane-d4	14.1		"	13.3	106	74.3-129				
Surrogate: Toluene-d8	13.3		"	13.3	99.8	87.7-110				
Surrogate: 4-Bromofluorobenzene	13.8		"	13.3	103	83.5-115				

##### Matrix Spike (9121401-MS1)

Source: R912045-01

Prepared & Analyzed: 12/14/09

Benzene	36.0	1.0	ug/l	33.3	ND	108	66.8-117		17.8	
Toluene	33.8	1.0	"	33.3	ND	102	71.5-117		14.4	
Surrogate: 1,2-Dichloroethane-d4	15.3		"	13.3		114	74.3-129			
Surrogate: Toluene-d8	13.5		"	13.3		102	87.7-110			
Surrogate: 4-Bromofluorobenzene	13.8		"	13.3		104	83.5-115			

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 - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: John Peterson

**Reported:**  
12/16/09 14:29

**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 9121401 - EPA 5030 Water MS**

Matrix Spike Dup (9121401-MSD1)		Source: R912045-01			Prepared & Analyzed: 12/14/09					
Benzene	31.4	1.0	ug/l	33.3	ND	94.1	66.8-117	13.9	17.8	
Toluene	29.9	1.0	"	33.3	ND	89.7	71.5-117	12.4	14.4	
Surrogate: 1,2-Dichloroethane-d4	16.2		"	13.3		121	74.3-129			
Surrogate: Toluene-d8	13.4		"	13.3		100	87.7-110			
Surrogate: 4-Bromofluorobenzene	14.4		"	13.3		108	83.5-115			

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 - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: John Peterson

**Reported:**  
12/16/09 14:29

### 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.*

# Summit Scientific

---

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

March 22, 2010

Brian Dodek  
LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada, CO 80003  
RE: PDC - Ehrlich 32-7

Enclosed are the results of analyses for samples received by Summit Scientific on 03/18/10 17:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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

Logan Shrewsbury For Ben Shrewsbury  
President / Laboratory Director



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

Project: PDC - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: Brian Dodek

**Reported:**  
03/22/10 15:28

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01	R003111-01	Water	03/18/10 13:25	03/18/10 17:00
MW02	R003111-02	Water	03/18/10 13:30	03/18/10 17:00
MW03	R003111-03	Water	03/18/10 13:35	03/18/10 17:00
MW04	R003111-04	Water	03/18/10 13:40	03/18/10 17:00
MW05	R003111-05	Water	03/18/10 13:45	03/18/10 17:00
MW06	R003111-06	Water	03/18/10 13:50	03/18/10 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 - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: Brian Dodek

**Reported:**  
03/22/10 15:28

## Summit Scientific

741 Corporate Circle Suite I ♦ Golden, Colorado 80401  
303-277-9310 ♦ 303-277-9531 Fax

Client: LT Environmental, Inc.

Address: 4600 West 60th Avenue

City/State/Zip: Arvada CO 80003

Phone: (303) 433-9788

Computer Name: 7102

Project Manager:

E-Mail:

Project Name:

Project Number:

B Dadek

bdobokā.com

\_\_\_\_\_

**Abstract**

1

Heaven.com

---

---

Page / of /

[illegible]

[www.s2scientific.com](http://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 - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: Brian Dodek

**Reported:**  
03/22/10 15:28

**MW01**  
**R003111-01 (Water)**

**Summit Scientific**

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

Date Sampled: **03/18/10 13:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	0031903	03/19/10	03/20/10	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **03/18/10 13:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		92.7 %	70.4-127		"	"	"	"	
Surrogate: Toluene-d8		92.3 %	85.7-111		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.6 %	83.9-116		"	"	"	"	

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 - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: Brian Dodek

**Reported:**  
03/22/10 15:28

**MW02**  
**R003111-02 (Water)**

**Summit Scientific**

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

Date Sampled: **03/18/10 13:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	0031903	03/19/10	03/20/10	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	ND	1.0		"	"	"	"	"	"	

Date Sampled: **03/18/10 13:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		95.2 %		70.4-127		"	"	"	"	
Surrogate: Toluene-d8		93.5 %		85.7-111		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.8 %		83.9-116		"	"	"	"	

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 - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: Brian Dodek

**Reported:**  
03/22/10 15:28

**MW03**  
**R003111-03 (Water)**

**Summit Scientific**

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

Date Sampled: **03/18/10 13:35**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	ND	1.0	ug/l	1	0031903	03/19/10	03/20/10	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **03/18/10 13:35**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4		92.8 %	70.4-127		"	"	"	"	
Surrogate: Toluene-d8		92.6 %	85.7-111		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		89.9 %	83.9-116		"	"	"	"	

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 - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: Brian Dodek

Reported:  
03/22/10 15:28

**MW04**  
**R003111-04 (Water)**

**Summit Scientific**

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

Date Sampled: **03/18/10 13:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	0031903	03/19/10	03/20/10	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	ND	1.0		"	"	"	"	"	"	

Date Sampled: **03/18/10 13:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		93.2 %		70.4-127		"	"	"	"	
Surrogate: Toluene-d8		92.3 %		85.7-111		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.1 %		83.9-116		"	"	"	"	

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 - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: Brian Dodek

**Reported:**  
03/22/10 15:28

**MW05**  
**R003111-05 (Water)**

**Summit Scientific**

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

Date Sampled: **03/18/10 13:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	0031903	03/19/10	03/20/10	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **03/18/10 13:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		91.5 %	70.4-127		"	"	"	"	
Surrogate: Toluene-d8		93.2 %	85.7-111		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.5 %	83.9-116		"	"	"	"	

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 - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: Brian Dodek

Reported:  
03/22/10 15:28

**MW06**  
**R003111-06 (Water)**

**Summit Scientific**

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

Date Sampled: **03/18/10 13:50**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	0031903	03/19/10	03/20/10	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	ND	1.0		"	"	"	"	"	"	

Date Sampled: **03/18/10 13:50**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		91.9 %		70.4-127		"	"	"	"	
Surrogate: Toluene-d8		90.6 %		85.7-111		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.8 %		83.9-116		"	"	"	"	

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 - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: Brian Dodek

Reported:  
03/22/10 15:28

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

### Summit Scientific

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

#### Batch 0031903 - EPA 5030 Water MS

##### Blank (0031903-BLK1)

Prepared: 03/19/10 Analyzed: 03/20/10

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	12.4		"	13.3		92.7	70.4-127			
Surrogate: Toluene-d8	12.3		"	13.3		92.5	85.7-111			
Surrogate: 4-Bromofluorobenzene	12.0		"	13.3		89.6	83.9-116			

##### LCS (0031903-BS1)

Prepared: 03/19/10 Analyzed: 03/20/10

Benzene	30.5	1.0	ug/l	33.3		91.5	64.2-127		10.9	
Toluene	30.2	1.0	"	33.3		90.5	66.4-125		11.3	
Ethylbenzene	33.8	1.0	"	33.3		101	70-130		20	
m,p-Xylene	74.1	2.0	"	66.7		111	70-130		20	
o-Xylene	31.7	1.0	"	33.3		95.2	70-130		20	
Surrogate: 1,2-Dichloroethane-d4	12.7		"	13.3		95.6	70.4-127			
Surrogate: Toluene-d8	12.4		"	13.3		92.6	85.7-111			
Surrogate: 4-Bromofluorobenzene	11.6		"	13.3		87.3	83.9-116			

##### LCS Dup (0031903-BSD1)

Prepared: 03/19/10 Analyzed: 03/20/10

Benzene	30.9	1.0	ug/l	33.3		92.8	64.2-127	1.43	10.9	
Toluene	30.9	1.0	"	33.3		92.8	66.4-125	2.45	11.3	
Ethylbenzene	34.8	1.0	"	33.3		104	70-130	3.03	20	
m,p-Xylene	76.2	2.0	"	66.7		114	70-130	2.89	20	
o-Xylene	32.3	1.0	"	33.3		96.9	70-130	1.78	20	
Surrogate: 1,2-Dichloroethane-d4	13.0		"	13.3		97.8	70.4-127			
Surrogate: Toluene-d8	12.8		"	13.3		96.4	85.7-111			
Surrogate: 4-Bromofluorobenzene	11.9		"	13.3		89.3	83.9-116			

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 - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: Brian Dodek

Reported:  
03/22/10 15:28

**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 0031903 - EPA 5030 Water MS**

Matrix Spike (0031903-MS1)		Source: R003110-01			Prepared: 03/19/10		Analyzed: 03/20/10			
Benzene	296	1.0	ug/l	33.3	223	220	57.4-127	19.3		QM-4X
Toluene	30.6	1.0	"	33.3	ND	92.0	60.1-123	18.7		
Ethylbenzene	34.0	1.0	"	33.3	ND	102	70-130	20		
m,p-Xylene	75.5	2.0	"	66.7	ND	113	70-130	20		
o-Xylene	35.7	1.0	"	33.3	1.05	104	70-130	20		
Surrogate: 1,2-Dichloroethane-d4	13.2		"	13.3		99.4	70.4-127			
Surrogate: Toluene-d8	13.1		"	13.3		98.5	85.7-111			
Surrogate: 4-Bromofluorobenzene	12.0		"	13.3		90.1	83.9-116			
Matrix Spike Dup (0031903-MSD1)		Source: R003110-01			Prepared: 03/19/10		Analyzed: 03/20/10			
Benzene	261	1.0	ug/l	33.3	223	113	57.4-127	12.8	19.3	QM-4X
Toluene	29.0	1.0	"	33.3	ND	87.0	60.1-123	5.50	18.7	
Ethylbenzene	31.1	1.0	"	33.3	ND	93.3	70-130	9.00	20	
m,p-Xylene	68.6	2.0	"	66.7	ND	103	70-130	9.60	20	
o-Xylene	31.5	1.0	"	33.3	1.05	91.4	70-130	12.4	20	
Surrogate: 1,2-Dichloroethane-d4	13.4		"	13.3		101	70.4-127			
Surrogate: Toluene-d8	13.0		"	13.3		97.4	85.7-111			
Surrogate: 4-Bromofluorobenzene	11.8		"	13.3		88.3	83.9-116			

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 - Ehrlich 32-7

Project Number: PDC 08181  
Project Manager: Brian Dodek

**Reported:**  
03/22/10 15:28

### Notes and Definitions

QM-4X The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.

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.*