

LEGEND

○ SITE LOCATION



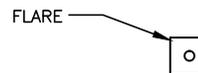
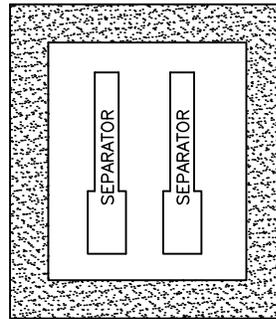
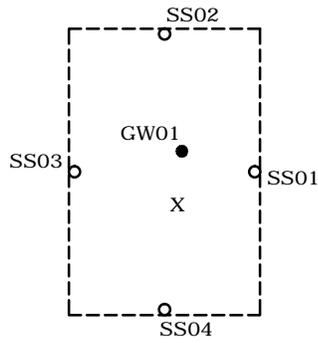
0 375 750 1500  
FEET

SOURCE: TOPOZONE.COM  
USGS 7.5" QUADRANGLE  
(NAD27)

FIGURE 1  
SITE LOCATION MAP  
AVERY 10B, 13, 23-10, 24-10D  
SWSW 10-T6N-R65W  
WELD COUNTY, CO  
PETROLEUM DEVELOPMENT CORPORATION



PDC1002501\_SL



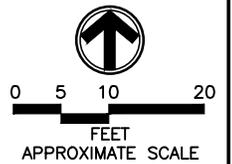
LEASE ROAD



**LEGEND**

- SS01 ○ SOIL SAMPLE LOCATION
- GW01 ● WATER SAMPLE LOCATION
-  BERM
- X RELEASE LOCATION
- EXTENT OF EXCAVATION
-  ESTIMATED GROUNDWATER FLOW DIRECTION

SOURCE:  
GPS COORDINATE  
SYSTEM



**FIGURE 2**  
**SITE MAP**  
AVERY 10B, 13, 23-10, 24-10D  
SWSW 10-T6N-R65W  
WELD COUNTY, CO  
PETROLEUM DEVELOPMENT CORPORATION



2010/PDC0816701

**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
**AVERY 10B, 13, 23-10, 24-10D (API No. 05-123-20292)**  
**WELD COUNTY, COLORADO**  
**PETROLEUM DEVELOPMENT CORPORATION**

Sample ID	Depth (ft bgs)	Date Sampled	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Xylenes (mg/kg)	TPH (mg/kg)
SS01	10	08/12/2010	<0.0050	<0.0050	<0.0050	<0.0050	<50.5
SS02	10	08/12/2010	<0.0050	<0.0050	<0.0050	<0.0050	<50.5
SS03	10	08/12/2010	<0.0050	<0.0050	<0.0050	<0.0050	<50.5
SS04	10	08/12/2010	<0.0050	<0.0050	<0.0050	<0.0050	<50.5
<b>Basic Standards for Soil</b>			<b>0.17</b>	<b>85</b>	<b>100</b>	<b>175</b>	<b>500</b>

Notes: < - less than stated laboratory reporting limit  
 TPH - Total Petroleum Hydrocarbons (C6-C28)  
 API - American Petroleum Institute  
 Bold numbers indicate result equalled or exceeded standard.  
 Basic Standards for Soil are taken from 2 CCR 404-1, Table 910-1, effective April 1, 2009.

NA - Not Analyzed  
 mg/kg - milligrams per kilogram  
 ft bgs - feet below ground surface



**TABLE 2**  
**GROUNDWATER ANALYTICAL RESULTS AND FIELD PARAMETERS**  
**AVERY 10B, 13, 23-10, 24-10D (API No. 123-20292)**  
**WELD COUNTY, COLORADO**  
**PETROLEUM DEVELOPMENT CORPORATION**

Sample ID	Date Sampled	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Xylenes (ug/L)	Depth to Water (ft btoc)
GW01	08/12/2010	<b>1600</b>	<b>2800</b>	110	<b>1400</b>	NM
	08/20/2010	<b>27</b>	<1.0	2.3	42	NM
	09/17/2010	<b>7.7</b>	<1.0	1.6	10	NM
	09/23/2010	<b>5.9</b>	12	2.9	25	NM
	09/30/2010	<b>11</b>	17	6.7	81	NM
	10/14/2010	<1.0	<1.0	<1.0	<1.0	NM
GW02	08/31/2010	<1.0	<1.0	<1.0	<1.0	NM
GW03	08/31/2010	<1.0	<1.0	<1.0	<1.0	NM
<b>Basic Standards for Groundwater:</b>		<b>5</b>	<b>560</b>	<b>700</b>	<b>1400</b>	

Notes: < - less than  
ft btoc - feet below top of casing  
Basic Standards for Groundwater are taken from the Colorado Department of Health and Environment - Water Quality Control Commission Regulation 41, effective 4/1/2009.  
Bold numbers indicate result equaled or exceeded standard.

ug/L - micrograms per Liter  
NM - Not measured

NA - Not Analyzed/Not Available  
API - American Petroleum Institute



# Summit Scientific

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741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

August 13, 2010

Brian Dodek

LT Environmental, Inc.

4600 West 60th Avenue

Arvada, CO 80003

RE: PDC - Avery 13, 23, 24-10 & 10B

Enclosed are the results of analyses for samples received by Summit Scientific on 08/12/10 17:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'BS', with a long, sweeping horizontal line extending to the right.

Ben Shrewsbury

President / Laboratory Director



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

Project: PDC - Avery 13, 23, 24-10 & 10B

Project Number: PDC 08166  
Project Manager: Brian Dodek

**Reported:**  
08/13/10 08:55

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS01@10'	R008054-01	Soil	08/12/10 12:00	08/12/10 17:00
SS02@10'	R008054-02	Soil	08/12/10 12:05	08/12/10 17:00
SS03@10'	R008054-03	Soil	08/12/10 12:10	08/12/10 17:00
SS04@10'	R008054-04	Soil	08/12/10 12:15	08/12/10 17:00
GW01@12'	R008054-05	Water	08/12/10 12:20	08/12/10 17:00

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

Project: PDC - Avery 13, 23, 24-10 & 10B

Project Number: PDC 08166  
Project Manager: Brian Dodek

Reported:  
08/13/10 08:55

**SS01@10'**  
**R008054-01 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: **08/12/10 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	0081204	08/12/10	08/12/10	8015 DRO	

Date Sampled: **08/12/10 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		119 %	88.8-124		"	"	"	"	

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

Date Sampled: **08/12/10 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0050	mg/kg	1	0081203	08/12/10	08/12/10	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **08/12/10 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		127 %	67.4-143		"	"	"	"	
Surrogate: Toluene-d8		100 %	77.3-114		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	78.4-125		"	"	"	"	

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4600 West 60th Avenue  
Arvada CO, 80003

Project: PDC - Avery 13, 23, 24-10 & 10B

Project Number: PDC 08166  
Project Manager: Brian Dodek

Reported:  
08/13/10 08:55

**SS02@10'**  
**R008054-02 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: **08/12/10 12:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	0081204	08/12/10	08/12/10	8015 DRO	

Date Sampled: **08/12/10 12:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		120 %	88.8-124		"	"	"	"	

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

Date Sampled: **08/12/10 12:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0050	mg/kg	1	0081203	08/12/10	08/12/10	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **08/12/10 12:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		125 %	67.4-143		"	"	"	"	
Surrogate: Toluene-d8		100 %	77.3-114		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		107 %	78.4-125		"	"	"	"	

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

Project: PDC - Avery 13, 23, 24-10 & 10B

Project Number: PDC 08166  
Project Manager: Brian Dodek

Reported:  
08/13/10 08:55

**SS03@10'**  
**R008054-03 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	0081204	08/12/10	08/12/10	8015 DRO	

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		107 %	88.8-124		"	"	"	"	

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

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0050	mg/kg	1	0081203	08/12/10	08/12/10	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		135 %	67.4-143		"	"	"	"	
Surrogate: Toluene-d8		103 %	77.3-114		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		107 %	78.4-125		"	"	"	"	

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Arvada CO, 80003

Project: PDC - Avery 13, 23, 24-10 & 10B

Project Number: PDC 08166  
Project Manager: Brian Dodek

Reported:  
08/13/10 08:55

**SS04@10'**  
**R008054-04 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: **08/12/10 12:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	0081204	08/12/10	08/12/10	8015 DRO	

Date Sampled: **08/12/10 12:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		111 %	88.8-124		"	"	"	"	

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

Date Sampled: **08/12/10 12:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0050	mg/kg	1	0081203	08/12/10	08/12/10	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **08/12/10 12:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		133 %	67.4-143		"	"	"	"	
Surrogate: Toluene-d8		100 %	77.3-114		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		109 %	78.4-125		"	"	"	"	

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 Arvada CO, 80003

Project: PDC - Avery 13, 23, 24-10 & 10B

Project Number: PDC 08166  
 Project Manager: Brian Dodek

**Reported:**  
 08/13/10 08:55

**GW01@12'**  
**R008054-05 (Water)**

**Summit Scientific**

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

Date Sampled: **08/12/10 12:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>1600</b>	50	ug/l	50	0081205	08/12/10	08/12/10	EPA 8260B	
<b>Toluene</b>	<b>2800</b>	50	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>110</b>	50	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>1400</b>	50	"	"	"	"	"	"	

Date Sampled: **08/12/10 12:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	57.9-139		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		110 %	83.1-115		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		108 %	80.8-120		"	"	"	"	

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Project: PDC - Avery 13, 23, 24-10 & 10B

Project Number: PDC 08166  
 Project Manager: Brian Dodek

**Reported:**  
 08/13/10 08:55

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

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

**Batch 0081204 - EPA 3550A**

**Blank (0081204-BLK1)**

Prepared: 08/12/10 Analyzed: 08/13/10

C10-C28 (DRO)	ND	50	mg/kg								
Surrogate: <i>o</i> -Terphenyl	13.8		"	12.5	110	88.8-124					

**LCS (0081204-BS1)**

Prepared: 08/12/10 Analyzed: 08/13/10

C10-C28 (DRO)	604	50	mg/kg	500	121	81.4-129			9.26		
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**LCS Dup (0081204-BSD1)**

Prepared: 08/12/10 Analyzed: 08/13/10

C10-C28 (DRO)	504	50	mg/kg	500	101	81.4-129	18.1		9.26		
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4600 West 60th Avenue  
Arvada CO, 80003

Project: PDC - Avery 13, 23, 24-10 & 10B

Project Number: PDC 08166  
Project Manager: Brian Dodek

Reported:  
08/13/10 08:55

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

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

**Batch 0081203 - EPA 5030 Soil MS**

**Blank (0081203-BLK1)**

Prepared: 08/12/10 Analyzed: 08/13/10

Benzene	ND	0.0050	mg/kg						
Toluene	ND	0.0050	"						
Ethylbenzene	ND	0.0050	"						
Xylenes (total)	ND	0.0050	"						
Gasoline Range Hydrocarbons	ND	0.50	"						
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0440</i>		<i>"</i>	<i>0.0400</i>	<i>110</i>	<i>67.4-143</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0389</i>		<i>"</i>	<i>0.0400</i>	<i>97.4</i>	<i>77.3-114</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0415</i>		<i>"</i>	<i>0.0400</i>	<i>104</i>	<i>78.4-125</i>			

**LCS (0081203-BS1)**

Prepared: 08/12/10 Analyzed: 08/13/10

Benzene	0.0907	0.0050	mg/kg	0.100	90.7	61-139		11.1
Toluene	0.0801	0.0050	"	0.100	80.1	64-132		10.9
Ethylbenzene	0.0982	0.0050	"	0.100	98.2	68.7-135		20
m,p-Xylene	0.185	0.010	"	0.200	92.5	70.4-129		20
o-Xylene	0.0901	0.0050	"	0.100	90.1	66.9-126		20
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0449</i>		<i>"</i>	<i>0.0400</i>	<i>112</i>	<i>67.4-143</i>		
<i>Surrogate: Toluene-d8</i>	<i>0.0406</i>		<i>"</i>	<i>0.0400</i>	<i>101</i>	<i>77.3-114</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0393</i>		<i>"</i>	<i>0.0400</i>	<i>98.2</i>	<i>78.4-125</i>		

**LCS Dup (0081203-BSD1)**

Prepared: 08/12/10 Analyzed: 08/13/10

Benzene	0.0974	0.0050	mg/kg	0.100	97.4	61-139	7.14	11.1
Toluene	0.0868	0.0050	"	0.100	86.8	64-132	8.01	10.9
Ethylbenzene	0.104	0.0050	"	0.100	104	68.7-135	6.07	20
m,p-Xylene	0.200	0.010	"	0.200	100	70.4-129	7.90	20
o-Xylene	0.0970	0.0050	"	0.100	97.0	66.9-126	7.31	20
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0454</i>		<i>"</i>	<i>0.0400</i>	<i>113</i>	<i>67.4-143</i>		
<i>Surrogate: Toluene-d8</i>	<i>0.0409</i>		<i>"</i>	<i>0.0400</i>	<i>102</i>	<i>77.3-114</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0395</i>		<i>"</i>	<i>0.0400</i>	<i>98.8</i>	<i>78.4-125</i>		

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Project: PDC - Avery 13, 23, 24-10 & 10B

Project Number: PDC 08166  
Project Manager: Brian Dodek

Reported:  
08/13/10 08:55

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

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

**Batch 0081203 - EPA 5030 Soil MS**

<b>Matrix Spike (0081203-MS1)</b>		<b>Source: R008046-01</b>			Prepared: 08/12/10		Analyzed: 08/13/10				
Benzene	0.0716	0.0050	mg/kg	0.100	ND	71.6	42.9-137			17.9	
Toluene	0.0628	0.0050	"	0.100	ND	62.8	42.6-130			11.9	
Ethylbenzene	0.0862	0.0050	"	0.100	ND	86.2	39-133			20	
m,p-Xylene	0.150	0.010	"	0.200	ND	75.1	34.7-134			20	
o-Xylene	0.0785	0.0050	"	0.100	ND	78.5	41.3-126			20	
Surrogate: 1,2-Dichloroethane-d4	0.0495		"	0.0400		124	67.4-143				
Surrogate: Toluene-d8	0.0404		"	0.0400		101	77.3-114				
Surrogate: 4-Bromofluorobenzene	0.0398		"	0.0400		99.5	78.4-125				
<b>Matrix Spike Dup (0081203-MSD1)</b>		<b>Source: R008046-01</b>			Prepared: 08/12/10		Analyzed: 08/13/10				
Benzene	0.0572	0.0050	mg/kg	0.100	ND	57.2	42.9-137	22.3		17.9	
Toluene	0.0500	0.0050	"	0.100	ND	50.0	42.6-130	22.7		11.9	
Ethylbenzene	0.0904	0.0050	"	0.100	ND	90.4	39-133	4.72		20	
m,p-Xylene	0.162	0.010	"	0.200	ND	80.9	34.7-134	7.48		20	
o-Xylene	0.0786	0.0050	"	0.100	ND	78.6	41.3-126	0.153		20	
Surrogate: 1,2-Dichloroethane-d4	0.0501		"	0.0400		125	67.4-143				
Surrogate: Toluene-d8	0.0406		"	0.0400		101	77.3-114				
Surrogate: 4-Bromofluorobenzene	0.0399		"	0.0400		99.8	78.4-125				

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4600 West 60th Avenue  
Arvada CO, 80003

Project: PDC - Avery 13, 23, 24-10 & 10B

Project Number: PDC 08166  
Project Manager: Brian Dodek

**Reported:**  
08/13/10 08:55

### 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

*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

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741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

August 23, 2010

Brian Dodek

LT Environmental, Inc.

4600 West 60th Avenue

Arvada, CO 80003

RE: PDC - Avery 13, 23, 24-10 & 10B

Enclosed are the results of analyses for samples received by Summit Scientific on 08/20/10 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', 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 - Avery 13, 23, 24-10 & 10B

Project Number: PDC 10025.05  
 Project Manager: Brian Dodek

**Reported:**  
 08/23/10 07:57

**GW02**  
**R008117-01 (Water)**

**Summit Scientific**

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

Date Sampled: **08/20/10 11:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>27</b>	1.0	ug/l	1	0082008	08/20/10	08/21/10	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>2.3</b>	1.0	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>42</b>	1.0	"	"	"	"	"	"	

Date Sampled: **08/20/10 11:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		126 %	57.9-139		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		95.3 %	83.1-115		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		93.4 %	80.8-120		"	"	"	"	

Summit Scientific

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

Project: PDC - Avery 13, 23, 24-10 & 10B

Project Number: PDC 10025.05  
Project Manager: Brian Dodek

**Reported:**  
08/23/10 07:57

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

**Summit Scientific**

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

**Batch 0082008 - EPA 5030 Water MS**

**Blank (0082008-BLK1)**

Prepared & Analyzed: 08/20/10

Benzene	ND	1.0	ug/l								
Toluene	ND	1.0	"								
Ethylbenzene	ND	1.0	"								
Xylenes (total)	ND	1.0	"								
Surrogate: 1,2-Dichloroethane-d4	12.8		"	13.3		96.2	57.9-139				
Surrogate: Toluene-d8	12.3		"	13.3		92.3	83.1-115				
Surrogate: 4-Bromofluorobenzene	12.3		"	13.3		92.4	80.8-120				

**LCS (0082008-BS1)**

Prepared & Analyzed: 08/20/10

Benzene	26.1	1.0	ug/l	33.3		78.2	60.1-131			10.9	
Toluene	25.9	1.0	"	33.3		77.7	65.9-127			11.3	
Ethylbenzene	34.0	1.0	"	33.3		102	65.1-129			20	
m,p-Xylene	68.4	2.0	"	66.7		103	66.8-127			20	
o-Xylene	31.2	1.0	"	33.3		93.5	61.2-120			20	
Surrogate: 1,2-Dichloroethane-d4	14.2		"	13.3		107	57.9-139				
Surrogate: Toluene-d8	12.6		"	13.3		94.2	83.1-115				
Surrogate: 4-Bromofluorobenzene	12.5		"	13.3		93.8	80.8-120				

**LCS (0082008-BS2)**

Prepared & Analyzed: 08/20/10

Benzene	27.1	1.0	ug/l	33.3		81.4	60.1-131			10.9	
Toluene	27.0	1.0	"	33.3		81.2	65.9-127			11.3	
Ethylbenzene	34.1	1.0	"	33.3		102	65.1-129			20	
m,p-Xylene	67.7	2.0	"	66.7		102	66.8-127			20	
o-Xylene	31.0	1.0	"	33.3		92.9	61.2-120			20	
Surrogate: 1,2-Dichloroethane-d4	14.8		"	13.3		111	57.9-139				
Surrogate: Toluene-d8	13.1		"	13.3		98.3	83.1-115				
Surrogate: 4-Bromofluorobenzene	12.5		"	13.3		93.8	80.8-120				

Summit Scientific

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

Project: PDC - Avery 13, 23, 24-10 & 10B

Project Number: PDC 10025.05  
Project Manager: Brian Dodek

**Reported:**  
08/23/10 07:57

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

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

**Batch 0082008 - EPA 5030 Water MS**

**LCS Dup (0082008-BSD1)**

Prepared & Analyzed: 08/20/10

Benzene	24.6	1.0	ug/l	33.3		73.9	60.1-131	5.60	10.9	
Toluene	24.6	1.0	"	33.3		73.7	65.9-127	5.23	11.3	
Ethylbenzene	31.7	1.0	"	33.3		95.0	65.1-129	7.01	20	
m,p-Xylene	62.8	2.0	"	66.7		94.3	66.8-127	8.52	20	
o-Xylene	29.6	1.0	"	33.3		88.9	61.2-120	5.07	20	
Surrogate: 1,2-Dichloroethane-d4	13.1		"	13.3		98.3	57.9-139			
Surrogate: Toluene-d8	12.6		"	13.3		94.3	83.1-115			
Surrogate: 4-Bromofluorobenzene	12.8		"	13.3		95.7	80.8-120			

**LCS Dup (0082008-BSD2)**

Prepared & Analyzed: 08/20/10

Benzene	25.3	1.0	ug/l	33.3		76.0	60.1-131	6.90	10.9	
Toluene	25.4	1.0	"	33.3		76.1	65.9-127	6.45	11.3	
Ethylbenzene	32.4	1.0	"	33.3		97.4	65.1-129	5.08	20	
m,p-Xylene	64.0	2.0	"	66.7		96.0	66.8-127	5.65	20	
o-Xylene	29.5	1.0	"	33.3		88.4	61.2-120	4.90	20	
Surrogate: 1,2-Dichloroethane-d4	14.3		"	13.3		107	57.9-139			
Surrogate: Toluene-d8	12.5		"	13.3		93.8	83.1-115			
Surrogate: 4-Bromofluorobenzene	12.5		"	13.3		93.7	80.8-120			

**Matrix Spike (0082008-MS1)**

Source: R008082-01

Prepared: 08/20/10 Analyzed: 08/21/10

Benzene	24.9	1.0	ug/l	33.3	ND	74.7	52.7-130		19.3	
Toluene	25.0	1.0	"	33.3	ND	74.9	57-127		18.7	
Ethylbenzene	32.7	1.0	"	33.3	ND	98.1	59.2-127		20	
m,p-Xylene	62.2	2.0	"	66.7	ND	93.3	53.2-132		20	
o-Xylene	29.9	1.0	"	33.3	ND	89.8	56.3-117		20	
Surrogate: 1,2-Dichloroethane-d4	14.4		"	13.3		108	57.9-139			
Surrogate: Toluene-d8	12.7		"	13.3		95.5	83.1-115			
Surrogate: 4-Bromofluorobenzene	12.9		"	13.3		97.1	80.8-120			

Summit Scientific

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

Project: PDC - Avery 13, 23, 24-10 & 10B

Project Number: PDC 10025.05  
Project Manager: Brian Dodek

**Reported:**  
08/23/10 07:57

**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 0082008 - EPA 5030 Water MS**

<b>Matrix Spike (0082008-MS2)</b>	<b>Source: R008082-02</b>			Prepared: 08/20/10		Analyzed: 08/21/10				
Benzene	25.4	1.0	ug/l	33.3	15.0	31.2	52.7-130	3.35	19.3	
Toluene	24.9	1.0	"	33.3	ND	74.8	57-127	2.97	18.7	
Ethylbenzene	32.6	1.0	"	33.3	ND	97.9	59.2-127	0.953	20	
m,p-Xylene	63.9	2.0	"	66.7	ND	95.8	53.2-132	3.57	20	
o-Xylene	29.5	1.0	"	33.3	ND	88.5	56.3-117	1.10	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>14.5</i>		<i>"</i>	<i>13.3</i>		<i>109</i>	<i>57.9-139</i>			
<i>Surrogate: Toluene-d8</i>	<i>12.8</i>		<i>"</i>	<i>13.3</i>		<i>96.0</i>	<i>83.1-115</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>12.7</i>		<i>"</i>	<i>13.3</i>		<i>95.4</i>	<i>80.8-120</i>			

<b>Matrix Spike Dup (0082008-MSD1)</b>	<b>Source: R008082-01</b>			Prepared: 08/20/10		Analyzed: 08/21/10				
Benzene	24.1	1.0	ug/l	33.3	ND	72.2	52.7-130	3.35	19.3	
Toluene	24.2	1.0	"	33.3	ND	72.7	57-127	2.97	18.7	
Ethylbenzene	32.4	1.0	"	33.3	ND	97.2	59.2-127	0.953	20	
m,p-Xylene	64.4	2.0	"	66.7	ND	96.7	53.2-132	3.57	20	
o-Xylene	30.3	1.0	"	33.3	ND	90.8	56.3-117	1.10	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>13.8</i>		<i>"</i>	<i>13.3</i>		<i>104</i>	<i>57.9-139</i>			
<i>Surrogate: Toluene-d8</i>	<i>11.7</i>		<i>"</i>	<i>13.3</i>		<i>87.8</i>	<i>83.1-115</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>12.7</i>		<i>"</i>	<i>13.3</i>		<i>95.4</i>	<i>80.8-120</i>			

<b>Matrix Spike Dup (0082008-MSD2)</b>	<b>Source: R008082-02</b>			Prepared: 08/20/10		Analyzed: 08/21/10				
Benzene	24.9	1.0	ug/l	33.3	15.0	29.6	52.7-130	2.11	19.3	
Toluene	24.6	1.0	"	33.3	ND	73.7	57-127	1.50	18.7	
Ethylbenzene	32.9	1.0	"	33.3	ND	98.7	59.2-127	0.854	20	
m,p-Xylene	62.8	2.0	"	66.7	ND	94.3	53.2-132	1.64	20	
o-Xylene	30.3	1.0	"	33.3	ND	91.0	56.3-117	2.81	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>14.0</i>		<i>"</i>	<i>13.3</i>		<i>105</i>	<i>57.9-139</i>			
<i>Surrogate: Toluene-d8</i>	<i>12.4</i>		<i>"</i>	<i>13.3</i>		<i>92.9</i>	<i>83.1-115</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>13.0</i>		<i>"</i>	<i>13.3</i>		<i>97.3</i>	<i>80.8-120</i>			

Summit Scientific

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

Project: PDC - Avery 13, 23, 24-10 & 10B

Project Number: PDC 10025.05  
Project Manager: Brian Dodek

**Reported:**  
08/23/10 07:57

### Notes and Definitions

DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit  
NR Not Reported  
dry Sample results reported on a dry weight basis  
RPD Relative Percent Difference

---

Summit Scientific

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# Summit Scientific

---

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

September 04, 2010

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

Enclosed are the results of analyses for samples received by Summit Scientific on 08/31/10 17:20. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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

Paul Shrewsbury For Ben Shrewsbury  
President / Laboratory Director



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

Project: PDC - Avery  
Project Number: PDC 08167.05  
Project Manager: Brian Dodek

**Reported:**  
09/04/10 15:22

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GW02	R009001-01	Water	08/31/10 12:30	08/31/10 17:20
GW03	R009001-02	Water	08/31/10 12:40	08/31/10 17:20

Summit Scientific

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

Project: PDC - Avery  
 Project Number: PDC 08167.05  
 Project Manager: Brian Dodek

**Reported:**  
 09/04/10 15:22

**GW02**  
**R009001-01 (Water)**

**Summit Scientific**

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

Date Sampled: **08/31/10 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	0090106	09/01/10	09/03/10	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **08/31/10 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>128 %</i>	<i>57.9-139</i>		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		<i>90.9 %</i>	<i>83.1-115</i>		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>94.0 %</i>	<i>80.8-120</i>		"	"	"	"	

Summit Scientific

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

Project: PDC - Avery  
 Project Number: PDC 08167.05  
 Project Manager: Brian Dodek

**Reported:**  
 09/04/10 15:22

**GW03**  
**R009001-02 (Water)**

**Summit Scientific**

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

Date Sampled: **08/31/10 12:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	0090106	09/01/10	09/03/10	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **08/31/10 12:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		126 %	57.9-139		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		90.1 %	83.1-115		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		93.2 %	80.8-120		"	"	"	"	

Summit Scientific

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

Project: PDC - Avery  
Project Number: PDC 08167.05  
Project Manager: Brian Dodek

**Reported:**  
09/04/10 15:22

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

**Summit Scientific**

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

**Batch 0090106 - EPA 5030 Water MS**

**Blank (0090106-BLK1)**

Prepared & Analyzed: 09/01/10

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	1.0	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>16.6</i>		<i>"</i>	<i>13.3</i>		<i>124</i>	<i>57.9-139</i>			
<i>Surrogate: Toluene-d8</i>	<i>12.0</i>		<i>"</i>	<i>13.3</i>		<i>90.2</i>	<i>83.1-115</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>12.2</i>		<i>"</i>	<i>13.3</i>		<i>91.7</i>	<i>80.8-120</i>			

**LCS (0090106-BS1)**

Prepared & Analyzed: 09/01/10

Benzene	23.8	1.0	ug/l	33.3		71.5	60.1-131		10.9	
Toluene	25.2	1.0	"	33.3		75.7	65.9-127		11.3	
Ethylbenzene	34.1	1.0	"	33.3		102	65.1-129		20	
m,p-Xylene	70.3	2.0	"	66.7		105	66.8-127		20	
o-Xylene	32.5	1.0	"	33.3		97.4	61.2-120		20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>17.8</i>		<i>"</i>	<i>13.3</i>		<i>133</i>	<i>57.9-139</i>			
<i>Surrogate: Toluene-d8</i>	<i>12.4</i>		<i>"</i>	<i>13.3</i>		<i>92.9</i>	<i>83.1-115</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>12.0</i>		<i>"</i>	<i>13.3</i>		<i>90.0</i>	<i>80.8-120</i>			

**LCS Dup (0090106-BSD1)**

Prepared & Analyzed: 09/01/10

Benzene	23.4	1.0	ug/l	33.3		70.2	60.1-131	1.82	10.9	
Toluene	24.0	1.0	"	33.3		72.1	65.9-127	4.83	11.3	
Ethylbenzene	33.9	1.0	"	33.3		102	65.1-129	0.705	20	
m,p-Xylene	70.1	2.0	"	66.7		105	66.8-127	0.185	20	
o-Xylene	32.8	1.0	"	33.3		98.6	61.2-120	1.16	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>17.3</i>		<i>"</i>	<i>13.3</i>		<i>130</i>	<i>57.9-139</i>			
<i>Surrogate: Toluene-d8</i>	<i>12.2</i>		<i>"</i>	<i>13.3</i>		<i>91.4</i>	<i>83.1-115</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>12.1</i>		<i>"</i>	<i>13.3</i>		<i>91.1</i>	<i>80.8-120</i>			

Summit Scientific

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

Project: PDC - Avery  
Project Number: PDC 08167.05  
Project Manager: Brian Dodek

**Reported:**  
09/04/10 15:22

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

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

**Batch 0090106 - EPA 5030 Water MS**

<b>Matrix Spike (0090106-MS1)</b>	<b>Source: R008158-01</b>			Prepared: 09/01/10		Analyzed: 09/02/10					
Benzene	22.6	1.0	ug/l	33.3	ND	67.9	52.7-130			19.3	
Toluene	23.5	1.0	"	33.3	ND	70.6	57-127			18.7	
Ethylbenzene	32.3	1.0	"	33.3	ND	96.8	59.2-127			20	
m,p-Xylene	65.8	2.0	"	66.7	ND	98.7	53.2-132			20	
o-Xylene	31.2	1.0	"	33.3	ND	93.5	56.3-117			20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>17.4</i>		<i>"</i>	<i>13.3</i>		<i>130</i>	<i>57.9-139</i>				
<i>Surrogate: Toluene-d8</i>	<i>12.2</i>		<i>"</i>	<i>13.3</i>		<i>91.7</i>	<i>83.1-115</i>				
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>12.0</i>		<i>"</i>	<i>13.3</i>		<i>89.8</i>	<i>80.8-120</i>				
<b>Matrix Spike Dup (0090106-MSD1)</b>	<b>Source: R008158-01</b>			Prepared: 09/01/10		Analyzed: 09/02/10					
Benzene	22.8	1.0	ug/l	33.3	ND	68.5	52.7-130	0.792		19.3	
Toluene	23.5	1.0	"	33.3	ND	70.4	57-127	0.213		18.7	
Ethylbenzene	32.3	1.0	"	33.3	ND	96.8	59.2-127	0.0310		20	
m,p-Xylene	65.7	2.0	"	66.7	ND	98.5	53.2-132	0.167		20	
o-Xylene	30.0	1.0	"	33.3	ND	90.1	56.3-117	3.76		20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>17.9</i>		<i>"</i>	<i>13.3</i>		<i>134</i>	<i>57.9-139</i>				
<i>Surrogate: Toluene-d8</i>	<i>12.7</i>		<i>"</i>	<i>13.3</i>		<i>95.3</i>	<i>83.1-115</i>				
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>12.0</i>		<i>"</i>	<i>13.3</i>		<i>90.2</i>	<i>80.8-120</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 - Avery  
Project Number: PDC 08167.05  
Project Manager: Brian Dodek

**Reported:**  
09/04/10 15:22

### Notes and Definitions

DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit  
NR Not Reported  
dry Sample results reported on a dry weight basis  
RPD Relative Percent Difference

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Summit Scientific

*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

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741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

September 20, 2010

Brian Dodek

LT Environmental, Inc.

4600 West 60th Avenue

Arvada, CO 80003

RE: PDC - Avery 13,23,24-100,10B

Enclosed are the results of analyses for samples received by Summit Scientific on 09/17/10 17:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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

Paul Shrewsbury For Ben Shrewsbury  
President / Laboratory Director



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

Project: PDC - Avery 13,23,24-100,10B

Project Number: PDC 08167  
Project Manager: Brian Dodek

**Reported:**  
09/20/10 08:11

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GW01	R009153-01	Water	09/17/10 15:30	09/17/10 17:30

**Summit Scientific** *S2* *2009153*

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

Client: LT Environmental, Inc. Page 1 of 1  
 Address: 4600 West 60th Avenue Project Manager: *B Dodek*  
 City/State/Zip: Arvada, CO 80003 E-Mail: *B.Dodek@ltenv.com*  
 Phone: (303)-433-9788 Project Name: *Avery 13,23,24-100,10B*  
 Sampler Name: *Slogar* Project Number: *PDC 08167*

Sample Description	Date Sampled	Time Sampled	Number of Containers	Preservative					Matrix			Analyze For:	Special Instructions	Notes	
				HCl	HNO <sub>3</sub>	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)				
GW01	9/17	1530	3	X					X						
Relinquished by:	Date/Time:	Received by:	Date/Time:	Turn Around Time (Check)	Same Day	72 Hours	Standard	Sample Integrity:	Temperature Upon Receipt:	Intact:	Yes	No			
<i>[Signature]</i>	9/17	<i>[Signature]</i>	9/17/10 1730	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	50						<i>Monday PMA</i>
Relinquished by:	Date/Time:	Received in Lab by:	Date/Time:												

www.e2scientific.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 - Avery 13,23,24-100,10B

Project Number: PDC 08167  
 Project Manager: Brian Dodek

**Reported:**  
 09/20/10 08:11

**GW01**  
**R009153-01 (Water)**

**Summit Scientific**

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

Date Sampled: **09/17/10 15:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>7.7</b>	1.0	ug/l	1	0091801	09/18/10	09/18/10	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>1.6</b>	1.0	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>10</b>	1.0	"	"	"	"	"	"	

Date Sampled: **09/17/10 15:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		112 %	57.9-139		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		100 %	83.1-115		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		103 %	80.8-120		"	"	"	"	

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 - Avery 13,23,24-100,10B

Project Number: PDC 08167  
Project Manager: Brian Dodek

**Reported:**  
09/20/10 08:11

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

**Summit Scientific**

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

**Batch 0091801 - EPA 5030 Water MS**

**Blank (0091801-BLK1)**

Prepared & Analyzed: 09/18/10

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	1.0	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>14.6</i>		<i>"</i>	<i>13.3</i>	<i>110</i>	<i>57.9-139</i>				
<i>Surrogate: Toluene-d8</i>	<i>13.1</i>		<i>"</i>	<i>13.3</i>	<i>98.1</i>	<i>83.1-115</i>				
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>13.3</i>		<i>"</i>	<i>13.3</i>	<i>99.8</i>	<i>80.8-120</i>				

**LCS (0091801-BS1)**

Prepared & Analyzed: 09/18/10

Benzene	27.8	1.0	ug/l	33.3	83.3	60.1-131			10.9	
Toluene	25.3	1.0	"	33.3	75.9	65.9-127			11.3	
Ethylbenzene	27.4	1.0	"	33.3	82.3	65.1-129			20	
m,p-Xylene	52.9	2.0	"	66.7	79.4	66.8-127			20	
o-Xylene	26.7	1.0	"	33.3	80.1	61.2-120			20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>13.8</i>		<i>"</i>	<i>13.3</i>	<i>103</i>	<i>57.9-139</i>				
<i>Surrogate: Toluene-d8</i>	<i>13.2</i>		<i>"</i>	<i>13.3</i>	<i>98.8</i>	<i>83.1-115</i>				
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>13.2</i>		<i>"</i>	<i>13.3</i>	<i>99.0</i>	<i>80.8-120</i>				

**LCS Dup (0091801-BSD1)**

Prepared & Analyzed: 09/18/10

Benzene	24.1	1.0	ug/l	33.3	72.2	60.1-131	14.3		10.9	
Toluene	22.6	1.0	"	33.3	67.8	65.9-127	11.3		11.3	
Ethylbenzene	23.8	1.0	"	33.3	71.6	65.1-129	13.9		20	
m,p-Xylene	45.9	2.0	"	66.7	68.9	66.8-127	14.2		20	
o-Xylene	24.0	1.0	"	33.3	72.0	61.2-120	10.6		20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>14.2</i>		<i>"</i>	<i>13.3</i>	<i>106</i>	<i>57.9-139</i>				
<i>Surrogate: Toluene-d8</i>	<i>13.5</i>		<i>"</i>	<i>13.3</i>	<i>101</i>	<i>83.1-115</i>				
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>13.4</i>		<i>"</i>	<i>13.3</i>	<i>100</i>	<i>80.8-120</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 - Avery 13,23,24-100,10B

Project Number: PDC 08167  
Project Manager: Brian Dodek

**Reported:**  
09/20/10 08:11

### Notes and Definitions

DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit  
NR Not Reported  
dry Sample results reported on a dry weight basis  
RPD Relative Percent Difference

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Summit Scientific

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# Summit Scientific

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741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

September 24, 2010

Brian Dodek

LT Environmental, Inc.

4600 West 60th Avenue

Arvada, CO 80003

RE: PDC - Avery 13,23,24-10 & 10B

Enclosed are the results of analyses for samples received by Summit Scientific on 09/23/10 18:00. 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', 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 - Avery 13,23,24-10 & 10B

Project Number: PDC 08167  
 Project Manager: Brian Dodek

**Reported:**  
 09/24/10 07:33

**GW01**  
**R009203-01 (Water)**

**Summit Scientific**

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

Date Sampled: **09/23/10 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>5.9</b>	1.0	ug/l	1	0092304	09/23/10	09/24/10	EPA 8260B	
<b>Toluene</b>	<b>12</b>	1.0	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>2.9</b>	1.0	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>25</b>	1.0	"	"	"	"	"	"	

Date Sampled: **09/23/10 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.2 %	57.9-139		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		96.1 %	83.1-115		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		95.3 %	80.8-120		"	"	"	"	

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 - Avery 13,23,24-10 & 10B

Project Number: PDC 08167  
Project Manager: Brian Dodek

**Reported:**  
09/24/10 07:33

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

**Summit Scientific**

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

**Batch 0092304 - EPA 5030 Water MS**

**Blank (0092304-BLK1)**

Prepared: 09/23/10 Analyzed: 09/24/10

Benzene	ND	1.0	ug/l								
Toluene	ND	1.0	"								
Ethylbenzene	ND	1.0	"								
Xylenes (total)	ND	1.0	"								
Surrogate: 1,2-Dichloroethane-d4	12.9		"	13.3		96.5	57.9-139				
Surrogate: Toluene-d8	12.6		"	13.3		94.4	83.1-115				
Surrogate: 4-Bromofluorobenzene	13.0		"	13.3		97.7	80.8-120				

**LCS (0092304-BS1)**

Prepared: 09/23/10 Analyzed: 09/24/10

Benzene	30.2	1.0	ug/l	33.3		90.6	60.1-131		10.9		
Toluene	27.7	1.0	"	33.3		83.2	65.9-127		11.3		
Ethylbenzene	32.2	1.0	"	33.3		96.5	65.1-129		20		
m,p-Xylene	58.7	2.0	"	66.7		88.1	66.8-127		20		
o-Xylene	28.0	1.0	"	33.3		84.1	61.2-120		20		
Surrogate: 1,2-Dichloroethane-d4	13.1		"	13.3		98.5	57.9-139				
Surrogate: Toluene-d8	12.7		"	13.3		95.2	83.1-115				
Surrogate: 4-Bromofluorobenzene	12.7		"	13.3		95.4	80.8-120				

**LCS Dup (0092304-BSD1)**

Prepared: 09/23/10 Analyzed: 09/24/10

Benzene	30.4	1.0	ug/l	33.3		91.3	60.1-131	0.759	10.9		
Toluene	28.0	1.0	"	33.3		84.1	65.9-127	1.04	11.3		
Ethylbenzene	32.1	1.0	"	33.3		96.2	65.1-129	0.280	20		
m,p-Xylene	59.0	2.0	"	66.7		88.5	66.8-127	0.510	20		
o-Xylene	29.0	1.0	"	33.3		86.9	61.2-120	3.30	20		
Surrogate: 1,2-Dichloroethane-d4	13.2		"	13.3		99.2	57.9-139				
Surrogate: Toluene-d8	12.6		"	13.3		94.9	83.1-115				
Surrogate: 4-Bromofluorobenzene	12.6		"	13.3		94.3	80.8-120				

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 - Avery 13,23,24-10 & 10B

Project Number: PDC 08167  
Project Manager: Brian Dodek

**Reported:**  
09/24/10 07:33

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

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

**Batch 0092304 - EPA 5030 Water MS**

**Matrix Spike (0092304-MS1)**

Source: R009179-01

Prepared: 09/23/10 Analyzed: 09/24/10

Benzene	30.0	1.0	ug/l	33.3	ND	89.9	52.7-130		19.3	
Toluene	27.5	1.0	"	33.3	ND	82.4	57-127		18.7	
Ethylbenzene	31.8	1.0	"	33.3	ND	95.4	59.2-127		20	
m,p-Xylene	58.2	2.0	"	66.7	ND	87.3	53.2-132		20	
o-Xylene	28.2	1.0	"	33.3	ND	84.6	56.3-117		20	
Surrogate: 1,2-Dichloroethane-d4	13.3		"	13.3		99.9	57.9-139			
Surrogate: Toluene-d8	12.6		"	13.3		94.4	83.1-115			
Surrogate: 4-Bromofluorobenzene	12.7		"	13.3		95.0	80.8-120			

**Matrix Spike Dup (0092304-MSD1)**

Source: R009179-01

Prepared: 09/23/10 Analyzed: 09/24/10

Benzene	31.5	1.0	ug/l	33.3	ND	94.4	52.7-130	4.85	19.3	
Toluene	28.8	1.0	"	33.3	ND	86.3	57-127	4.59	18.7	
Ethylbenzene	32.6	1.0	"	33.3	ND	97.8	59.2-127	2.42	20	
m,p-Xylene	61.0	2.0	"	66.7	ND	91.4	53.2-132	4.62	20	
o-Xylene	28.3	1.0	"	33.3	ND	85.0	56.3-117	0.495	20	
Surrogate: 1,2-Dichloroethane-d4	13.3		"	13.3		99.6	57.9-139			
Surrogate: Toluene-d8	12.7		"	13.3		95.3	83.1-115			
Surrogate: 4-Bromofluorobenzene	12.4		"	13.3		92.6	80.8-120			

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 - Avery 13,23,24-10 & 10B

Project Number: PDC 08167  
Project Manager: Brian Dodek

**Reported:**  
09/24/10 07:33

### 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

*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

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741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

October 01, 2010

Brian Dodek

LT Environmental, Inc.

4600 West 60th Avenue

Arvada, CO 80003

RE: PDC - Avery 13,23,24-100,10B

Enclosed are the results of analyses for samples received by Summit Scientific on 09/30/10 17:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'BS', with a long, sweeping horizontal line extending to the right.

Ben Shrewsbury

President / Laboratory Director





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

Project: PDC - Avery 13,23,24-100,10B

Project Number: PDC 08167  
 Project Manager: Brian Dodek

**Reported:**  
 10/01/10 08:45

**GW01**  
**R009239-01 (Water)**

**Summit Scientific**

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

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>11</b>	1.0	ug/l	1	0093005	09/30/10	09/30/10	EPA 8260B	
<b>Toluene</b>	<b>17</b>	1.0	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>6.7</b>	1.0	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>81</b>	1.0	"	"	"	"	"	"	

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		87.4 %	57.9-139		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		100 %	83.1-115		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		90.3 %	80.8-120		"	"	"	"	

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 - Avery 13,23,24-100,10B

Project Number: PDC 08167  
Project Manager: Brian Dodek

Reported:  
10/01/10 08:45

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

**Summit Scientific**

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

**Batch 0093005 - EPA 5030 Water MS**

**Blank (0093005-BLK1)**

Prepared: 09/30/10 Analyzed: 10/01/10

Benzene	ND	1.0	ug/l								
Toluene	ND	1.0	"								
Ethylbenzene	ND	1.0	"								
Xylenes (total)	ND	1.0	"								
Surrogate: 1,2-Dichloroethane-d4	12.2		"	13.3		91.4	57.9-139				
Surrogate: Toluene-d8	12.6		"	13.3		94.7	83.1-115				
Surrogate: 4-Bromofluorobenzene	13.3		"	13.3		99.9	80.8-120				

**LCS (0093005-BS1)**

Prepared & Analyzed: 09/30/10

Benzene	31.2	1.0	ug/l	33.3		93.5	60.1-131			10.9	
Toluene	28.4	1.0	"	33.3		85.1	65.9-127			11.3	
Ethylbenzene	29.9	1.0	"	33.3		89.6	65.1-129			20	
m,p-Xylene	60.7	2.0	"	66.7		91.1	66.8-127			20	
o-Xylene	27.1	1.0	"	33.3		81.2	61.2-120			20	
Surrogate: 1,2-Dichloroethane-d4	12.7		"	13.3		95.1	57.9-139				
Surrogate: Toluene-d8	13.0		"	13.3		97.7	83.1-115				
Surrogate: 4-Bromofluorobenzene	13.0		"	13.3		97.6	80.8-120				

**LCS Dup (0093005-BSD1)**

Prepared & Analyzed: 09/30/10

Benzene	30.6	1.0	ug/l	33.3		91.7	60.1-131	2.04		10.9	
Toluene	28.1	1.0	"	33.3		84.4	65.9-127	0.849		11.3	
Ethylbenzene	29.4	1.0	"	33.3		88.3	65.1-129	1.52		20	
m,p-Xylene	57.5	2.0	"	66.7		86.3	66.8-127	5.36		20	
o-Xylene	26.1	1.0	"	33.3		78.3	61.2-120	3.69		20	
Surrogate: 1,2-Dichloroethane-d4	12.6		"	13.3		94.7	57.9-139				
Surrogate: Toluene-d8	13.0		"	13.3		97.7	83.1-115				
Surrogate: 4-Bromofluorobenzene	12.9		"	13.3		96.9	80.8-120				

Summit Scientific

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

Project: PDC - Avery 13,23,24-100,10B

Project Number: PDC 08167  
Project Manager: Brian Dodek

Reported:  
10/01/10 08:45

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

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

**Batch 0093005 - EPA 5030 Water MS**

<b>Matrix Spike (0093005-MS1)</b>	<b>Source: R009232-01</b>			Prepared: 09/30/10		Analyzed: 10/01/10				
Benzene	29.6	1.0	ug/l	33.3	ND	88.7	52.7-130			19.3
Toluene	27.3	1.0	"	33.3	ND	81.8	57-127			18.7
Ethylbenzene	29.0	1.0	"	33.3	ND	86.9	59.2-127			20
m,p-Xylene	53.9	2.0	"	66.7	1.18	79.1	53.2-132			20
o-Xylene	25.6	1.0	"	33.3	ND	76.8	56.3-117			20
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>12.8</i>		<i>"</i>	<i>13.3</i>		<i>96.4</i>	<i>57.9-139</i>			
<i>Surrogate: Toluene-d8</i>	<i>13.0</i>		<i>"</i>	<i>13.3</i>		<i>97.5</i>	<i>83.1-115</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>13.2</i>		<i>"</i>	<i>13.3</i>		<i>99.2</i>	<i>80.8-120</i>			
<b>Matrix Spike Dup (0093005-MSD1)</b>	<b>Source: R009232-01</b>			Prepared: 09/30/10		Analyzed: 10/01/10				
Benzene	29.9	1.0	ug/l	33.3	ND	89.7	52.7-130	1.11		19.3
Toluene	27.0	1.0	"	33.3	ND	80.9	57-127	1.03		18.7
Ethylbenzene	28.2	1.0	"	33.3	ND	84.6	59.2-127	2.69		20
m,p-Xylene	53.9	2.0	"	66.7	1.18	79.0	53.2-132	0.0186		20
o-Xylene	24.7	1.0	"	33.3	ND	74.0	56.3-117	3.74		20
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>12.8</i>		<i>"</i>	<i>13.3</i>		<i>95.8</i>	<i>57.9-139</i>			
<i>Surrogate: Toluene-d8</i>	<i>12.9</i>		<i>"</i>	<i>13.3</i>		<i>97.1</i>	<i>83.1-115</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>12.9</i>		<i>"</i>	<i>13.3</i>		<i>97.0</i>	<i>80.8-120</i>			

Summit Scientific

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

Project: PDC - Avery 13,23,24-100,10B

Project Number: PDC 08167  
Project Manager: Brian Dodek

**Reported:**  
10/01/10 08:45

### Notes and Definitions

DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit  
NR Not Reported  
dry Sample results reported on a dry weight basis  
RPD Relative Percent Difference

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Summit Scientific

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# Summit Scientific

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741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

October 15, 2010

Brian Dodek

LT Environmental, Inc.

4600 West 60th Avenue

Arvada, CO 80003

RE: PDC - Avery 10B, 13, 23-10, 24-10D

Enclosed are the results of analyses for samples received by Summit Scientific on 10/14/10 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', 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 - Avery 10B, 13, 23-10, 24-10D

Project Number: PDC 08167.05  
 Project Manager: Brian Dodek

**Reported:**  
 10/15/10 07:45

**GW01**  
**R010088-01 (Water)**

**Summit Scientific**

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

Date Sampled: **10/14/10 14:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	0101410	10/14/10	10/15/10	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **10/14/10 14:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.6 %	57.9-139		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		94.7 %	83.1-115		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		100 %	80.8-120		"	"	"	"	

Summit Scientific

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

Project: PDC - Avery 10B, 13, 23-10, 24-10D

Project Number: PDC 08167.05  
Project Manager: Brian Dodek

**Reported:**  
10/15/10 07:45

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

**Summit Scientific**

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

**Batch 0101410 - EPA 5030 Water MS**

**Blank (0101410-BLK1)**

Prepared: 10/14/10 Analyzed: 10/15/10

Benzene	ND	1.0	ug/l								
Toluene	ND	1.0	"								
Ethylbenzene	ND	1.0	"								
Xylenes (total)	ND	1.0	"								
Surrogate: 1,2-Dichloroethane-d4	12.7		"	13.3		95.2	57.9-139				
Surrogate: Toluene-d8	12.5		"	13.3		94.1	83.1-115				
Surrogate: 4-Bromofluorobenzene	13.2		"	13.3		99.1	80.8-120				

**LCS (0101410-BS1)**

Prepared & Analyzed: 10/14/10

Benzene	27.7	1.0	ug/l	33.3		83.2	60.1-131		10.9		
Toluene	24.9	1.0	"	33.3		74.6	65.9-127		11.3		
Ethylbenzene	29.3	1.0	"	33.3		88.0	65.1-129		20		
m,p-Xylene	53.4	2.0	"	66.7		80.1	66.8-127		20		
o-Xylene	26.0	1.0	"	33.3		78.0	61.2-120		20		
Surrogate: 1,2-Dichloroethane-d4	13.4		"	13.3		101	57.9-139				
Surrogate: Toluene-d8	12.8		"	13.3		95.7	83.1-115				
Surrogate: 4-Bromofluorobenzene	12.6		"	13.3		94.6	80.8-120				

**LCS Dup (0101410-BSD1)**

Prepared: 10/14/10 Analyzed: 10/15/10

Benzene	30.7	1.0	ug/l	33.3		92.2	60.1-131	10.2	10.9		
Toluene	27.3	1.0	"	33.3		82.0	65.9-127	9.47	11.3		
Ethylbenzene	32.6	1.0	"	33.3		98.0	65.1-129	10.7	20		
m,p-Xylene	59.2	2.0	"	66.7		88.9	66.8-127	10.3	20		
o-Xylene	28.4	1.0	"	33.3		85.1	61.2-120	8.68	20		
Surrogate: 1,2-Dichloroethane-d4	13.4		"	13.3		101	57.9-139				
Surrogate: Toluene-d8	12.8		"	13.3		95.8	83.1-115				
Surrogate: 4-Bromofluorobenzene	13.0		"	13.3		97.4	80.8-120				

Summit Scientific

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LT Environmental, Inc.  
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Arvada CO, 80003

Project: PDC - Avery 10B, 13, 23-10, 24-10D

Project Number: PDC 08167.05  
Project Manager: Brian Dodek

**Reported:**  
10/15/10 07:45

### Notes and Definitions

DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit  
NR Not Reported  
dry Sample results reported on a dry weight basis  
RPD Relative Percent Difference

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Summit Scientific

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