

# Summit Scientific

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741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

September 26, 2012

Brian Dodek  
LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada, CO 80003  
RE: PDC - Dechant 1-31A

Enclosed are the results of analyses for samples received by Summit Scientific on 09/20/12 17:05. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Joseph J. Egry IV". The signature is fluid and cursive, with a small "IV" at the end.

Joseph J Egry IV  
Laboratory Director



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

Project: PDC - Dechant 1-31A

Project Number: PDC 09028  
Project Manager: Brian Dodek

**Reported:**  
09/26/12 14:40

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW07	R209148-01	Water	09/20/12 13:15	09/20/12 17:05
MW10R	R209148-02	Water	09/20/12 13:45	09/20/12 17:05

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.*

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Summit Scientific  
R209148

**S<sub>2</sub>**  
741 Corporate Circle Suite 1 ♦ Golden, Colorado 80401  
303-277-9310 ♦ 303-277-9531 Fax

Client: LT Environmental, Inc.

Address: 4600 West 60th Avenue

Address: 4000 West 60th Avenue  
City/State/Zip: Arvada CO 80003

City/State/Zip: Arvada, CO 80005  
Phone: (303) 427-0788

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Sampler Name: Michael Wicker

Project Manager. ~~John Crockett~~Mail: [info@vitality.com](mailto:info@vitality.com)

Print Name: Deckardt, David

Project Name:	Dechawt 1-5
Project Number:	Dechawt 1-5

Project Number: PD09028

[illegible]

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

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Regel IV



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**MW07**  
**R209148-01 (Water)**

**Summit Scientific**

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

Date Sampled: **09/20/12 13:15**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	2092203	09/22/12	09/25/12	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	ND	1.0		"	"	"	"	"	"	

Date Sampled: **09/20/12 13:15**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		90.7 %		49.7-150		"	"	"	"	
Surrogate: Toluene-d8		98.5 %		51-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.5 %		50.1-150		"	"	"	"	

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**MW10R**  
**R209148-02 (Water)**

**Summit Scientific**

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

Date Sampled: **09/20/12 13:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>5.4</b>	1.0	ug/l	1	2092203	09/22/12	09/25/12	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>440</b>	100	"	100	"	"	09/25/12	"	
<b>Xylenes (total)</b>	<b>7.5</b>	1.0	"	1	"	"	09/25/12	"	

Date Sampled: **09/20/12 13:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		69.7 %	49.7-150		"	"	"	"	
Surrogate: Toluene-d8		124 %	51-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		74.7 %	50.1-150		"	"	"	"	

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## 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 2092203 - EPA 5030 Water MS

##### Blank (2092203-BLK1)

Prepared: 09/22/12 Analyzed: 09/25/12

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	11.7		"	13.2		88.6	49.7-150			
Surrogate: Toluene-d8	13.0		"	13.3		97.7	51-150			
Surrogate: 4-Bromofluorobenzene	13.0		"	13.3		97.1	50.1-150			

##### LCS (2092203-BS1)

Prepared: 09/22/12 Analyzed: 09/25/12

Benzene	22.4	1.0	ug/l	33.3		67.2	51-132			
Toluene	23.3	1.0	"	33.3		69.9	51-138			
Ethylbenzene	25.3	1.0	"	33.3		75.9	58-146			
m,p-Xylene	50.6	2.0	"	66.7		75.9	57-144			
o-Xylene	24.3	1.0	"	33.3		72.8	53-146			
Surrogate: 1,2-Dichloroethane-d4	11.5		"	13.2		87.2	49.7-150			
Surrogate: Toluene-d8	12.9		"	13.3		96.7	51-150			
Surrogate: 4-Bromofluorobenzene	12.4		"	13.3		92.9	50.1-150			

##### LCS Dup (2092203-BSD1)

Prepared: 09/22/12 Analyzed: 09/25/12

Benzene	24.9	1.0	ug/l	33.3		74.7	51-132	10.6	17	
Toluene	25.7	1.0	"	33.3		77.2	51-138	9.87	17	
Ethylbenzene	27.4	1.0	"	33.3		82.1	58-146	7.90	16	
m,p-Xylene	55.1	2.0	"	66.7		82.6	57-144	8.44	16	
o-Xylene	26.3	1.0	"	33.3		78.9	53-146	8.07	15	
Surrogate: 1,2-Dichloroethane-d4	11.4		"	13.2		86.2	49.7-150			
Surrogate: Toluene-d8	12.9		"	13.3		97.0	51-150			
Surrogate: 4-Bromofluorobenzene	12.1		"	13.3		90.7	50.1-150			

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**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 2092203 - EPA 5030 Water MS**

Matrix Spike (2092203-MS1)				Source: R209141-01		Prepared: 09/22/12		Analyzed: 09/25/12		
Benzene	30.7	1.0	ug/l	33.3	ND	92.0	34-141			
Toluene	32.0	1.0	"	33.3	ND	96.0	27-151			
Ethylbenzene	33.6	1.0	"	33.3	ND	101	29-160			
m,p-Xylene	67.0	2.0	"	66.7	ND	101	20-166			
o-Xylene	32.0	1.0	"	33.3	ND	96.2	33-159			
Surrogate: 1,2-Dichloroethane-d4	11.2		"	13.2		84.7	49.7-150			
Surrogate: Toluene-d8	13.0		"	13.3		97.2	51-150			
Surrogate: 4-Bromofluorobenzene	12.0		"	13.3		90.3	50.1-150			
Matrix Spike Dup (2092203-MSD1)				Source: R209141-01		Prepared: 09/22/12		Analyzed: 09/25/12		
Benzene	24.6	1.0	ug/l	33.3	ND	73.8	34-141	21.9	32	
Toluene	25.5	1.0	"	33.3	ND	76.6	27-151	22.5	25	
Ethylbenzene	26.6	1.0	"	33.3	ND	79.7	29-160	23.3	50	
m,p-Xylene	53.1	2.0	"	66.7	ND	79.6	20-166	23.3	36	
o-Xylene	25.8	1.0	"	33.3	ND	77.3	33-159	21.7	26	
Surrogate: 1,2-Dichloroethane-d4	11.8		"	13.2		89.5	49.7-150			
Surrogate: Toluene-d8	12.8		"	13.3		96.2	51-150			
Surrogate: 4-Bromofluorobenzene	12.3		"	13.3		92.6	50.1-150			

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### Notes and Definitions

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

A handwritten signature in black ink, appearing to read 'Daniel A. [unclear]'.