

# Summit Scientific

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February 09, 2010

John Peterson  
LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada, CO 80003  
RE: PDC - Heldt 12-18

Enclosed are the results of analyses for samples received by Summit Scientific on 02/08/10 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 '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 - Heldt 12-18

Project Number: PDC 10005  
Project Manager: John Peterson

**Reported:**  
02/09/10 09:39

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Source1	R002036-01	Water	02/08/10 15:00	02/08/10 17:00
SW01	R002036-02	Water	02/08/10 15:10	02/08/10 17:00
SW02	R002036-03	Water	02/08/10 15:20	02/08/10 17:00
SW03	R002036-04	Water	02/08/10 15:30	02/08/10 17:00

Summit Scientific

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**Source1**  
**R002036-01 (Water)**

**Summit Scientific**

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

Date Sampled: **02/08/10 15:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>16</b>	1.0	ug/l	1	0020802	02/08/10	02/09/10	EPA 8260B	
<b>Toluene</b>	<b>47</b>	1.0	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>4.7</b>	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **02/08/10 15:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		106 %	71.2-129		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		102 %	87.7-110		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		101 %	83.5-115		"	"	"	"	

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**SW01**  
**R002036-02 (Water)**

**Summit Scientific**

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

Date Sampled: **02/08/10 15:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	0020802	02/08/10	02/09/10	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **02/08/10 15:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		107 %	71.2-129		"	"	"	"	
Surrogate: Toluene-d8		101 %	87.7-110		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	83.5-115		"	"	"	"	

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**SW02**  
**R002036-03 (Water)**

**Summit Scientific**

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

Date Sampled: **02/08/10 15:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	0020802	02/08/10	02/09/10	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **02/08/10 15:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		105 %	71.2-129		"	"	"	"	
Surrogate: Toluene-d8		100 %	87.7-110		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	83.5-115		"	"	"	"	

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**SW03**  
**R002036-04 (Water)**

**Summit Scientific**

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

Date Sampled: **02/08/10 15:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	0020802	02/08/10	02/09/10	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **02/08/10 15:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	71.2-129		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.1 %	87.7-110		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		100 %	83.5-115		"	"	"	"	

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

**Summit Scientific**

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

**Batch 0020802 - EPA 5030 Water MS**

**Blank (0020802-BLK1)**

Prepared: 02/08/10 Analyzed: 02/09/10

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	13.7		"	13.3	103	71.2-129				
Surrogate: Toluene-d8	13.1		"	13.3	98.6	87.7-110				
Surrogate: 4-Bromofluorobenzene	13.4		"	13.3	101	83.5-115				

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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