

# Summit Scientific

---

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

September 08, 2009

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

RE: PDC - B. Johnson 11, 12-11

Enclosed are the results of analyses for samples received by Summit Scientific on 09/03/09 14:25. 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', with a long horizontal flourish extending to the right.

Logan Shrewsbury For Ben Shrewsbury  
President / Laboratory Director





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

Project: PDC - B. Johnson 11, 12-11

Project Number: PDC 09021  
 Project Manager: John Peterson

**Reported:**  
 09/08/09 15:00

**GW01**  
**R909023-01 (Water)**

**Summit Scientific**

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

Date Sampled: **09/03/09 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>2900</b>	20	ug/l	20	9090409	09/04/09	09/05/09	EPA 8260B	
<b>Toluene</b>	<b>1400</b>	10	"	10	"	"	"	"	
<b>Ethylbenzene</b>	<b>300</b>	10	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>3000</b>	10	"	"	"	"	"	"	

Date Sampled: **09/03/09 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.1 %	74.3-129		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		109 %	87.7-110		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		102 %	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 - B. Johnson 11, 12-11

Project Number: PDC 09021  
Project Manager: John Peterson

Reported:  
09/08/09 15:00

**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 9090409 - EPA 5030 Water MS**

**Blank (9090409-BLK1)**

Prepared: 09/04/09 Analyzed: 09/05/09

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	14.2		"	13.3	106	74.3-129				
Surrogate: Toluene-d8	13.4		"	13.3	101	87.7-110				
Surrogate: 4-Bromofluorobenzene	13.1		"	13.3	98.5	83.5-115				

**LCS (9090409-BS1)**

Prepared: 09/04/09 Analyzed: 09/05/09

Benzene	23.3	1.0	ug/l	33.3	69.9	70-114		1.86	8.14	
Toluene	25.3	1.0	"	33.3	76.0	72.7-116		2.56	7.88	
Surrogate: 1,2-Dichloroethane-d4	14.4		"	13.3	108	74.3-129				
Surrogate: Toluene-d8	12.1		"	13.3	90.5	87.7-110				
Surrogate: 4-Bromofluorobenzene	11.8		"	13.3	88.2	83.5-115				

**LCS Dup (9090409-BSD1)**

Prepared: 09/04/09 Analyzed: 09/05/09

Benzene	22.9	1.0	ug/l	33.3	68.6	70-114		1.86	8.14	
Toluene	24.7	1.0	"	33.3	74.1	72.7-116		2.56	7.88	
Surrogate: 1,2-Dichloroethane-d4	14.5		"	13.3	109	74.3-129				
Surrogate: Toluene-d8	13.0		"	13.3	97.2	87.7-110				
Surrogate: 4-Bromofluorobenzene	11.9		"	13.3	89.0	83.5-115				

**Matrix Spike (9090409-MS1)**

Source: R909025-01

Prepared: 09/04/09 Analyzed: 09/05/09

Benzene	22.6	1.0	ug/l	33.3	ND	67.8	66.8-117		17.8	
Toluene	24.5	1.0	"	33.3	ND	73.6	71.5-117		14.4	
Surrogate: 1,2-Dichloroethane-d4	15.1		"	13.3		113	74.3-129			
Surrogate: Toluene-d8	12.2		"	13.3		91.4	87.7-110			
Surrogate: 4-Bromofluorobenzene	12.3		"	13.3		92.1	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 - B. Johnson 11, 12-11

Project Number: PDC 09021  
 Project Manager: John Peterson

**Reported:**  
 09/08/09 15:00

**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 9090409 - EPA 5030 Water MS**

<b>Matrix Spike Dup (9090409-MSD1)</b>	<b>Source: R909025-01</b>			Prepared: 09/04/09	Analyzed: 09/05/09						
Benzene	22.2	1.0	ug/l	33.3	ND	66.7	66.8-117	1.56	17.8		
Toluene	25.5	1.0	"	33.3	ND	76.5	71.5-117	3.88	14.4		
Surrogate: 1,2-Dichloroethane-d4	14.5		"	13.3		109	74.3-129				
Surrogate: Toluene-d8	12.3		"	13.3		92.2	87.7-110				
Surrogate: 4-Bromofluorobenzene	11.3		"	13.3		84.5	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 - B. Johnson 11, 12-11

Project Number: PDC 09021  
Project Manager: John Peterson

**Reported:**  
09/08/09 15:00

### 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

---

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

September 10, 2009

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

RE: PDC - B. Johnson 11, 12-11

Enclosed are the results of analyses for samples received by Summit Scientific on 09/09/09 10:40. 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 horizontal flourish.

Logan Shrewsbury For Ben Shrewsbury  
President / Laboratory Director



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

Project: PDC - B. Johnson 11, 12-11

Project Number: PDC 09021  
Project Manager: John Peterson

**Reported:**  
09/10/09 15:10

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
N01@4.5'	R909040-01	Soil	09/08/09 15:41	09/09/09 10:40
S01@4'	R909040-02	Soil	09/08/09 15:31	09/09/09 10:40
E01@3.5'	R909040-03	Soil	09/08/09 15:29	09/09/09 10:40
W01@4'	R909040-04	Soil	09/08/09 15:39	09/09/09 10:40
SWS01	R909040-05	Water	09/08/09 00:00	09/09/09 10:40
SWS02	R909040-06	Water	09/08/09 00:00	09/09/09 10:40

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 - B. Johnson 11, 12-11

Project Number: PDC 09021  
Project Manager: John Peterson

Reported:  
09/10/09 15:10

Summit Scientific  
6904040

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

Page 1 of 1

Client: LT Environmental, Inc. Project Manager: John Peterson  
Address: 4600 West 60th Avenue E-Mail: jpeterson@ltenv.com  
City/State/Zip: Arvada, CO 80003 Project Name: B. Johnson 11 & 12-11  
Phone: (303) 433-9788 Fax: (303) 433-1432 Project Number: PDC09021  
Sampler Name: Asher Wenzel

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)	GRO/DRO	BTEX	Turn Around Time (Check)	72 Hours			Standard
N01045	9/8/09	15:41	1		X													
S0104	9/8/09	15:31	1		X													
S01035	9/8/09	15:29	1		X													
N0104	9/8/09	15:39	2		X													
S10501			2		X													
S10502			2		X													

  

Relinquished by:	Date/Time: 9/19/09 10:40	Received by:	Date/Time: 9/19/09 10:40
Relinquished by:	Date/Time:	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received in Lab by:	Date/Time:

  

Turn Around Time (Check)	72 Hours	Standard
Same Day	<input checked="" type="checkbox"/>	<input type="checkbox"/>
24 Hours	<input type="checkbox"/>	<input type="checkbox"/>
48 Hours	<input type="checkbox"/>	<input type="checkbox"/>
Sample Integrity:	Temperature Upon Receipt: 9/2	Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

www.s2scientific.com



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

Project: PDC - B. Johnson 11, 12-11

Project Number: PDC 09021  
Project Manager: John Peterson

Reported:  
09/10/09 15:10

**N01@4.5'**  
**R909040-01 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: **09/08/09 15:41**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	9090906	09/09/09	09/10/09	8015 DRO	

Date Sampled: **09/08/09 15:41**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		98.4 %	77.7-123		"	"	"	"	

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

Date Sampled: **09/08/09 15:41**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.010	mg/kg	2	9090905	09/09/09	09/09/09	EPA 8260B	
Toluene	ND	0.010	"	"	"	"	"	"	
Ethylbenzene	ND	0.010	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	1.0	"	"	"	"	"	"	

Date Sampled: **09/08/09 15:41**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		99.4 %	77.3-121		"	"	"	"	
Surrogate: Toluene-d8		95.7 %	91.4-107		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.7 %	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 - B. Johnson 11, 12-11

Project Number: PDC 09021  
Project Manager: John Peterson

Reported:  
09/10/09 15:10

**S01@4'**  
**R909040-02 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: **09/08/09 15:31**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	9090906	09/09/09	09/10/09	8015 DRO	

Date Sampled: **09/08/09 15:31**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		110 %	77.7-123		"	"	"	"	

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

Date Sampled: **09/08/09 15:31**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.010	mg/kg	2	9090905	09/09/09	09/10/09	EPA 8260B	
Toluene	ND	0.010	"	"	"	"	"	"	
Ethylbenzene	ND	0.010	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	1.0	"	"	"	"	"	"	

Date Sampled: **09/08/09 15:31**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		103 %	77.3-121		"	"	"	"	
Surrogate: Toluene-d8		100 %	91.4-107		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.5 %	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 - B. Johnson 11, 12-11

Project Number: PDC 09021  
Project Manager: John Peterson

Reported:  
09/10/09 15:10

**E01@3.5'**  
**R909040-03 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: **09/08/09 15:29**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	9090906	09/09/09	09/10/09	8015 DRO	

Date Sampled: **09/08/09 15:29**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		108 %	77.7-123		"	"	"	"	

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

Date Sampled: **09/08/09 15:29**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>0.0056</b>	0.0050	mg/kg	1	9090905	09/09/09	09/10/09	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **09/08/09 15:29**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		113 %	77.3-121		"	"	"	"	
Surrogate: Toluene-d8		99.0 %	91.4-107		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.8 %	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 - B. Johnson 11, 12-11

Project Number: PDC 09021  
Project Manager: John Peterson

Reported:  
09/10/09 15:10

**W01@4'**  
**R909040-04 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: **09/08/09 15:39**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	9090906	09/09/09	09/09/09	8015 DRO	

Date Sampled: **09/08/09 15:39**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		102 %	77.7-123		"	"	"	"	

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

Date Sampled: **09/08/09 15:39**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0050	mg/kg	1	9090905	09/09/09	09/09/09	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>1.5</b>	<b>0.50</b>	"	"	"	"	"	"	

Date Sampled: **09/08/09 15:39**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		109 %	77.3-121		"	"	"	"	
Surrogate: Toluene-d8		100 %	91.4-107		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.5 %	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 - B. Johnson 11, 12-11

Project Number: PDC 09021  
 Project Manager: John Peterson

**Reported:**  
 09/10/09 15:10

**SWS01**  
**R909040-05 (Water)**

**Summit Scientific**

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

Date Sampled: **09/08/09 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	9090903	09/09/09	09/09/09	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **09/08/09 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>111 %</i>	<i>74.3-129</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: Toluene-d8</i>		<i>104 %</i>	<i>87.7-110</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>91.1 %</i>	<i>83.5-115</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</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 - B. Johnson 11, 12-11

Project Number: PDC 09021  
 Project Manager: John Peterson

**Reported:**  
 09/10/09 15:10

**SWS02**  
**R909040-06 (Water)**

**Summit Scientific**

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

Date Sampled: **09/08/09 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	9090903	09/09/09	09/09/09	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **09/08/09 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		106 %	74.3-129		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		106 %	87.7-110		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		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 - B. Johnson 11, 12-11

Project Number: PDC 09021  
Project Manager: John Peterson

**Reported:**  
09/10/09 15:10

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

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

**Batch 9090906 - EPA 3550A**

<b>Blank (9090906-BLK1)</b>				Prepared: 09/09/09 Analyzed: 09/10/09							
C10-C28 (DRO)	ND	50	mg/kg								
<i>Surrogate: o-Terphenyl</i>	12.5		"	12.5		99.9	77.7-123				
<b>LCS (9090906-BS1)</b>				Prepared: 09/09/09 Analyzed: 09/10/09							
C10-C28 (DRO)	516	50	mg/kg	500		103	83.3-127			15	
<b>LCS Dup (9090906-BSD1)</b>				Prepared: 09/09/09 Analyzed: 09/10/09							
C10-C28 (DRO)	514	50	mg/kg	500		103	83.3-127	0.199		15	
<b>Matrix Spike (9090906-MS1)</b>				Source: R909040-01 Prepared: 09/09/09 Analyzed: 09/10/09							
C10-C28 (DRO)	518	50	mg/kg	500	ND	104	75.8-126			13.6	
<b>Matrix Spike Dup (9090906-MSD1)</b>				Source: R909040-01 Prepared: 09/09/09 Analyzed: 09/10/09							
C10-C28 (DRO)	501	50	mg/kg	500	ND	100	75.8-126	3.22		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 - B. Johnson 11, 12-11

Project Number: PDC 09021  
Project Manager: John Peterson

Reported:  
09/10/09 15:10

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

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

**Batch 9090903 - EPA 5030 Water MS**

**Blank (9090903-BLK1)**

Prepared & Analyzed: 09/09/09

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>13.9</i>		<i>"</i>	<i>13.3</i>	<i>104</i>	<i>74.3-129</i>					
<i>Surrogate: Toluene-d8</i>	<i>14.6</i>		<i>"</i>	<i>13.3</i>	<i>110</i>	<i>87.7-110</i>					
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>12.7</i>		<i>"</i>	<i>13.3</i>	<i>95.0</i>	<i>83.5-115</i>					

**LCS (9090903-BS1)**

Prepared & Analyzed: 09/09/09

Benzene	27.0	1.0	ug/l	33.3	81.1	70-114			3.53	8.14	
Toluene	31.4	1.0	"	33.3	94.2	72.7-116			2.35	7.88	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>13.9</i>		<i>"</i>	<i>13.3</i>	<i>104</i>	<i>74.3-129</i>					
<i>Surrogate: Toluene-d8</i>	<i>13.5</i>		<i>"</i>	<i>13.3</i>	<i>101</i>	<i>87.7-110</i>					
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>12.0</i>		<i>"</i>	<i>13.3</i>	<i>89.9</i>	<i>83.5-115</i>					

**LCS Dup (9090903-BSD1)**

Prepared & Analyzed: 09/09/09

Benzene	28.0	1.0	ug/l	33.3	84.0	70-114			3.53	8.14	
Toluene	30.7	1.0	"	33.3	92.0	72.7-116			2.35	7.88	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>14.5</i>		<i>"</i>	<i>13.3</i>	<i>109</i>	<i>74.3-129</i>					
<i>Surrogate: Toluene-d8</i>	<i>14.3</i>		<i>"</i>	<i>13.3</i>	<i>107</i>	<i>87.7-110</i>					
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>12.6</i>		<i>"</i>	<i>13.3</i>	<i>94.3</i>	<i>83.5-115</i>					

**Batch 9090905 - EPA 5030 Soil MS**

**Blank (9090905-BLK1)**

Prepared & Analyzed: 09/09/09

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>0.0387</i>		<i>"</i>	<i>0.0400</i>	<i>96.7</i>	<i>77.3-121</i>					
<i>Surrogate: Toluene-d8</i>	<i>0.0397</i>		<i>"</i>	<i>0.0400</i>	<i>99.2</i>	<i>91.4-107</i>					
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0377</i>		<i>"</i>	<i>0.0400</i>	<i>94.2</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 - B. Johnson 11, 12-11

Project Number: PDC 09021  
Project Manager: John Peterson

Reported:  
09/10/09 15:10

**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 9090905 - EPA 5030 Soil MS**

**LCS (9090905-BS1)**

Prepared & Analyzed: 09/09/09

Benzene	0.0861	0.0050	mg/kg	0.100		86.1	70-114		8.14	
Toluene	0.0966	0.0050	"	0.100		96.6	72.7-116		7.88	
Surrogate: 1,2-Dichloroethane-d4	0.0376		"	0.0400		94.1	77.3-121			
Surrogate: Toluene-d8	0.0394		"	0.0400		98.6	91.4-107			
Surrogate: 4-Bromofluorobenzene	0.0372		"	0.0400		93.1	85.3-109			

**LCS Dup (9090905-BSD1)**

Prepared & Analyzed: 09/09/09

Benzene	0.0874	0.0050	mg/kg	0.100		87.4	70-114	1.52	8.14	
Toluene	0.0982	0.0050	"	0.100		98.2	72.7-116	1.60	7.88	
Surrogate: 1,2-Dichloroethane-d4	0.0375		"	0.0400		93.8	77.3-121			
Surrogate: Toluene-d8	0.0394		"	0.0400		98.4	91.4-107			
Surrogate: 4-Bromofluorobenzene	0.0368		"	0.0400		92.1	85.3-109			

**Matrix Spike (9090905-MS1)**

Source: R909040-01

Prepared & Analyzed: 09/09/09

Benzene	0.111	0.0050	mg/kg	0.100	ND	111	66.8-117		17.8	
Toluene	0.0991	0.0050	"	0.100	ND	99.1	71.5-117		14.4	
Surrogate: 1,2-Dichloroethane-d4	0.0428		"	0.0400		107	77.3-121			
Surrogate: Toluene-d8	0.0395		"	0.0400		98.8	91.4-107			
Surrogate: 4-Bromofluorobenzene	0.0380		"	0.0400		95.0	85.3-109			

**Matrix Spike Dup (9090905-MSD1)**

Source: R909040-01

Prepared & Analyzed: 09/09/09

Benzene	0.115	0.0050	mg/kg	0.100	ND	115	66.8-117	3.44	17.8	
Toluene	0.102	0.0050	"	0.100	ND	102	71.5-117	2.98	14.4	
Surrogate: 1,2-Dichloroethane-d4	0.0553		"	0.0400		138	77.3-121			
Surrogate: Toluene-d8	0.0398		"	0.0400		99.6	91.4-107			
Surrogate: 4-Bromofluorobenzene	0.0377		"	0.0400		94.2	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 - B. Johnson 11, 12-11

Project Number: PDC 09021  
Project Manager: John Peterson

**Reported:**  
09/10/09 15:10

### 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

---

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

December 10, 2009

John Peterson  
LT Environmental, Inc.  
4600 West 60th Avenue  
Arvada, CO 80003  
RE: PDC - B. Johnson 11, 12-11

Enclosed are the results of analyses for samples received by Summit Scientific on 12/04/09 16:30. 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 - B. Johnson 11, 12-11

Project Number: PDC 09021  
Project Manager: John Peterson

**Reported:**  
12/10/09 10:40

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01	R912022-01	Water	12/03/09 14:30	12/04/09 16:30
MW02	R912022-02	Water	12/03/09 14:45	12/04/09 16:30
MW03	R912022-03	Water	12/03/09 15:00	12/04/09 16:30

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 - B. Johnson 11, 12-11

Project Number: PDC 09021  
 Project Manager: John Peterson

**Reported:**  
 12/10/09 10:40

**MW01**  
**R912022-01 (Water)**

**Summit Scientific**

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

Date Sampled: 12/03/09 14:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	9120702	12/07/09	12/08/09	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: 12/03/09 14:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		98.8 %	74.3-129		"	"	"	"	
Surrogate: Toluene-d8		101 %	87.7-110		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	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 - B. Johnson 11, 12-11

Project Number: PDC 09021  
 Project Manager: John Peterson

**Reported:**  
 12/10/09 10:40

**MW02**  
**R912022-02 (Water)**

**Summit Scientific**

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

Date Sampled: 12/03/09 14:45

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	9120702	12/07/09	12/08/09	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: 12/03/09 14:45

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		101 %	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 - B. Johnson 11, 12-11

Project Number: PDC 09021  
 Project Manager: John Peterson

**Reported:**  
 12/10/09 10:40

**MW03**  
**R912022-03 (Water)**

**Summit Scientific**

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

Date Sampled: 12/03/09 15:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	9120702	12/07/09	12/08/09	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: 12/03/09 15:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		106 %	74.3-129		"	"	"	"	
Surrogate: Toluene-d8		99.5 %	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 - B. Johnson 11, 12-11

Project Number: PDC 09021  
Project Manager: John Peterson

**Reported:**  
12/10/09 10:40

**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 9120702 - EPA 5030 Water MS**

**Blank (9120702-BLK1)**

Prepared & Analyzed: 12/07/09

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>12.9</i>		<i>"</i>	<i>13.3</i>		<i>96.8</i>	<i>74.3-129</i>				
<i>Surrogate: Toluene-d8</i>	<i>13.3</i>		<i>"</i>	<i>13.3</i>		<i>100</i>	<i>87.7-110</i>				
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>13.7</i>		<i>"</i>	<i>13.3</i>		<i>102</i>	<i>83.5-115</i>				

**LCS (9120702-BS1)**

Prepared & Analyzed: 12/07/09

Benzene	35.2	1.0	ug/l	33.3		106	70-114			8.14	
Toluene	35.8	1.0	"	33.3		107	72.7-116			7.88	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>13.3</i>		<i>"</i>	<i>13.3</i>		<i>99.8</i>	<i>74.3-129</i>				
<i>Surrogate: Toluene-d8</i>	<i>13.3</i>		<i>"</i>	<i>13.3</i>		<i>100</i>	<i>87.7-110</i>				
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>13.6</i>		<i>"</i>	<i>13.3</i>		<i>102</i>	<i>83.5-115</i>				

**LCS Dup (9120702-BSD1)**

Prepared & Analyzed: 12/07/09

Benzene	35.6	1.0	ug/l	33.3		107	70-114	1.05		8.14	
Toluene	35.0	1.0	"	33.3		105	72.7-116	2.12		7.88	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>12.9</i>		<i>"</i>	<i>13.3</i>		<i>96.5</i>	<i>74.3-129</i>				
<i>Surrogate: Toluene-d8</i>	<i>12.8</i>		<i>"</i>	<i>13.3</i>		<i>95.6</i>	<i>87.7-110</i>				
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>13.5</i>		<i>"</i>	<i>13.3</i>		<i>101</i>	<i>83.5-115</i>				

**Matrix Spike (9120702-MS1)**

Source: R912014-01

Prepared & Analyzed: 12/07/09

Benzene	38.0	1.0	ug/l	33.3	ND	114	66.8-117			17.8	
Toluene	37.6	1.0	"	33.3	ND	113	71.5-117			14.4	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>14.3</i>		<i>"</i>	<i>13.3</i>		<i>107</i>	<i>74.3-129</i>				
<i>Surrogate: Toluene-d8</i>	<i>13.5</i>		<i>"</i>	<i>13.3</i>		<i>102</i>	<i>87.7-110</i>				
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>13.6</i>		<i>"</i>	<i>13.3</i>		<i>102</i>	<i>83.5-115</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 - B. Johnson 11, 12-11

Project Number: PDC 09021  
Project Manager: John Peterson

**Reported:**  
12/10/09 10:40

**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 9120702 - EPA 5030 Water MS**

<b>Matrix Spike Dup (9120702-MSD1)</b>	<b>Source: R912014-01</b>			<b>Prepared &amp; Analyzed: 12/07/09</b>						
Benzene	34.4	1.0	ug/l	33.3	ND	103	66.8-117	9.92	17.8	
Toluene	34.4	1.0	"	33.3	ND	103	71.5-117	9.01	14.4	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>16.4</i>		<i>"</i>	<i>13.3</i>		<i>123</i>	<i>74.3-129</i>			
<i>Surrogate: Toluene-d8</i>	<i>13.7</i>		<i>"</i>	<i>13.3</i>		<i>102</i>	<i>87.7-110</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>14.1</i>		<i>"</i>	<i>13.3</i>		<i>106</i>	<i>83.5-115</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 - B. Johnson 11, 12-11

Project Number: PDC 09021  
Project Manager: John Peterson

**Reported:**  
12/10/09 10:40

### 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.*