

# Summit Scientific

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741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.374.5933 - fax

February 19, 2009

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

RE: PDC - Weingardt No. 24&33-22

Enclosed are the results of analyses for samples received by Summit Scientific on 02/18/09 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 'B. Shrewsbury', with a long, sweeping horizontal line extending to the right.

Ben Shrewsbury  
Vice President / Laboratory Director

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

Project: PDC - Weingardt No. 24&33-22

Project Number: PDC 0720  
 Project Manager: John Peterson

**Reported:**  
 02/19/09 13:56

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
N01 @ 4.5'	R902102-01	Soil	02/18/09 15:00	02/18/09 17:00
E01 @ 4.5'	R902102-02	Soil	02/18/09 15:05	02/18/09 17:00
W01 @ 4.5'	R902102-03	Soil	02/18/09 15:10	02/18/09 17:00
S01 @ 3'	R902102-04	Soil	02/18/09 15:15	02/18/09 17:00
GW01	R902102-05	Water	02/18/09 15:25	02/18/09 17:00





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

Project: PDC - Weingardt No. 24&33-22

Project Number: PDC 0720  
Project Manager: John Peterson

**Reported:**  
02/19/09 13:56

**N01 @ 4.5'**  
**R902102-01 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: **02/18/09 15:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C10 (GRO)	ND	50	mg/kg	1	9021802	02/18/09	02/18/09	8015 Full Carbon Chain	
C10-C28 (DRO)	ND	50	"	"	"	"	"	"	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	
C6-C36 TPH	ND	50	"	"	"	"	"	"	

Date Sampled: **02/18/09 15:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		107 %	77.7-123		"	"	"	"	
Surrogate: Trifluorotoluene		122 %	73.9-120		"	"	"	"	

Summit Scientific



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

Project: PDC - Weingardt No. 24&33-22

Project Number: PDC 0720  
Project Manager: John Peterson

**Reported:**  
02/19/09 13:56

**E01 @ 4.5'**  
**R902102-02 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: **02/18/09 15:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C10 (GRO)	ND	50	mg/kg	1	9021802	02/18/09	02/18/09	8015 Full Carbon Chain	
C10-C28 (DRO)	ND	50	"	"	"	"	"	"	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	
C6-C36 TPH	ND	50	"	"	"	"	"	"	

Date Sampled: **02/18/09 15:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		109 %	77.7-123		"	"	"	"	
Surrogate: Trifluorotoluene		122 %	73.9-120		"	"	"	"	

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4600 West 60th Avenue  
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Project: PDC - Weingardt No. 24&33-22

Project Number: PDC 0720  
Project Manager: John Peterson

**Reported:**  
02/19/09 13:56

**W01 @ 4.5'**  
**R902102-03 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: **02/18/09 15:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C10 (GRO)	ND	50	mg/kg	1	9021802	02/18/09	02/18/09	8015 Full Carbon Chain	
C10-C28 (DRO)	ND	50	"	"	"	"	"	"	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	
C6-C36 TPH	ND	50	"	"	"	"	"	"	

Date Sampled: **02/18/09 15:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		106 %	77.7-123		"	"	"	"	
Surrogate: Trifluorotoluene		118 %	73.9-120		"	"	"	"	

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LT Environmental, Inc.  
4600 West 60th Avenue  
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Project: PDC - Weingardt No. 24&33-22

Project Number: PDC 0720  
Project Manager: John Peterson

**Reported:**  
02/19/09 13:56

**S01 @ 3'**  
**R902102-04 (Soil)**

**Summit Scientific**

**Total Petroleum Hydrocarbons by 8015**

Date Sampled: **02/18/09 15:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C10 (GRO)	ND	50	mg/kg	1	9021802	02/18/09	02/19/09	8015 Full Carbon Chain	
C10-C28 (DRO)	ND	50	"	"	"	"	"	"	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	
C6-C36 TPH	ND	50	"	"	"	"	"	"	

Date Sampled: **02/18/09 15:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		107 %	77.7-123		"	"	"	"	
Surrogate: Trifluorotoluene		122 %	73.9-120		"	"	"	"	

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

Project: PDC - Weingardt No. 24&33-22  
Project Number: PDC 0720  
Project Manager: John Peterson

**Reported:**  
02/19/09 13:56

**GW01**  
**R902102-05 (Water)**

**Summit Scientific**

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

Date Sampled: **02/18/09 15:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>140</b>	1.0	ug/l	1	9021304	02/18/09	02/19/09	EPA 8260B	
<b>Toluene</b>	<b>250</b>	1.0	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>75</b>	1.0	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>570</b>	1.0	"	"	"	"	"	"	

Date Sampled: **02/18/09 15:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.7 %	77.3-121		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.2 %	91.4-107		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		91.0 %	85.3-109		"	"	"	"	

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4600 West 60th Avenue  
Arvada CO, 80003

Project: PDC - Weingardt No. 24&33-22

Project Number: PDC 0720  
Project Manager: John Peterson

**Reported:**  
02/19/09 13:56

## 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 9021802 - EPA 3550A

<b>Blank (9021802-BLK1)</b>			Prepared: 02/18/09 Analyzed: 02/19/09								
C6-C10 (GRO)	ND	50	mg/kg								
C10-C28 (DRO)	ND	50	"								
C28-C36 (ORO)	ND	50	"								
C6-C36 TPH	ND	50	"								
<b>LCS (9021802-BS1)</b>			Prepared: 02/18/09 Analyzed: 02/19/09								
C6-C10 (GRO)	401	50	mg/kg	519	77.3	70-130					
<b>LCS (9021802-BS2)</b>			Prepared: 02/18/09 Analyzed: 02/19/09								
C10-C28 (DRO)	467	50	mg/kg	500	93.4	83.3-127					
<b>LCS Dup (9021802-BSD1)</b>			Prepared: 02/18/09 Analyzed: 02/19/09								
C6-C10 (GRO)	384	50	mg/kg	519	74.0	70-130	4.33	20			
<b>LCS Dup (9021802-BSD2)</b>			Prepared: 02/18/09 Analyzed: 02/19/09								
C10-C28 (DRO)	504	50	mg/kg	500	101	83.3-127	7.62	15			
<b>Matrix Spike (9021802-MS1)</b>			<b>Source: R902100-01</b>			Prepared: 02/18/09 Analyzed: 02/19/09					
C6-C10 (GRO)	398	50	mg/kg	519	ND	76.7	70-130				
<b>Matrix Spike (9021802-MS2)</b>			<b>Source: R902100-01</b>			Prepared: 02/18/09 Analyzed: 02/19/09					
C10-C28 (DRO)	508	50	mg/kg	500	ND	102	75.8-126				
<b>Matrix Spike Dup (9021802-MSD1)</b>			<b>Source: R902100-01</b>			Prepared: 02/18/09 Analyzed: 02/19/09					
C6-C10 (GRO)	392	50	mg/kg	519	ND	75.5	70-130	1.52	20		
<b>Matrix Spike Dup (9021802-MSD2)</b>			<b>Source: R902100-01</b>			Prepared: 02/18/09 Analyzed: 02/19/09					
C10-C28 (DRO)	504	50	mg/kg	500	ND	101	75.8-126	0.791	13.6		

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Arvada CO, 80003

Project: PDC - Weingardt No. 24&33-22

Project Number: PDC 0720  
Project Manager: John Peterson

Reported:  
02/19/09 13:56

**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 9021304 - EPA 5030 Water MS**

**Blank (9021304-BLK1)**

Prepared & Analyzed: 02/18/09

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>14.7</i>		<i>"</i>	<i>13.3</i>		<i>111</i>	<i>77.3-121</i>				
<i>Surrogate: Toluene-d8</i>	<i>13.0</i>		<i>"</i>	<i>13.3</i>		<i>97.7</i>	<i>91.4-107</i>				
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>12.9</i>		<i>"</i>	<i>13.3</i>		<i>97.0</i>	<i>85.3-109</i>				

**LCS (9021304-BS1)**

Prepared & Analyzed: 02/18/09

Benzene	29.5	1.0	ug/l	33.3		88.6	70-114				
Toluene	30.0	1.0	"	33.3		90.1	72.7-116				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>15.0</i>		<i>"</i>	<i>13.3</i>		<i>113</i>	<i>77.3-121</i>				
<i>Surrogate: Toluene-d8</i>	<i>13.2</i>		<i>"</i>	<i>13.3</i>		<i>99.2</i>	<i>91.4-107</i>				
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>12.8</i>		<i>"</i>	<i>13.3</i>		<i>96.2</i>	<i>85.3-109</i>				

**Matrix Spike (9021304-MS1)**

Source: R902051-01

Prepared & Analyzed: 02/18/09

Benzene	29.7	1.0	ug/l	33.3	ND	89.2	66.8-117				
Toluene	30.6	1.0	"	33.3	ND	91.9	71.5-117				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>15.4</i>		<i>"</i>	<i>13.3</i>		<i>116</i>	<i>77.3-121</i>				
<i>Surrogate: Toluene-d8</i>	<i>13.3</i>		<i>"</i>	<i>13.3</i>		<i>100</i>	<i>91.4-107</i>				
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>12.8</i>		<i>"</i>	<i>13.3</i>		<i>96.2</i>	<i>85.3-109</i>				

**Matrix Spike Dup (9021304-MSD1)**

Source: R902051-01

Prepared & Analyzed: 02/18/09

Benzene	25.7	1.0	ug/l	33.3	ND	77.2	66.8-117	14.4	17.8		
Toluene	27.1	1.0	"	33.3	ND	81.4	71.5-117	12.1	14.4		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>18.1</i>		<i>"</i>	<i>13.3</i>		<i>136</i>	<i>77.3-121</i>				
<i>Surrogate: Toluene-d8</i>	<i>13.7</i>		<i>"</i>	<i>13.3</i>		<i>103</i>	<i>91.4-107</i>				
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>13.1</i>		<i>"</i>	<i>13.3</i>		<i>98.5</i>	<i>85.3-109</i>				

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

Project: PDC - Weingardt No. 24&33-22

Project Number: PDC 0720  
Project Manager: John Peterson

**Reported:**  
02/19/09 13:56

**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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741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.374.5933 - fax

May 08, 2009

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

RE: PDC - Weingardt No. 24&33-22

Enclosed are the results of analyses for samples received by Summit Scientific on 05/06/09 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 read 'B. Shrewsbury', with a long, sweeping horizontal line extending to the right.

Ben Shrewsbury  
Vice President / Laboratory Director

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

Project: PDC - Weingardt No. 24&33-22

Project Number: PDC 0720  
Project Manager: John Peterson

**Reported:**  
05/08/09 12:18

## ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW06	R905038-01	Water	05/06/09 11:55	05/06/09 16:30
MW07	R905038-02	Water	05/06/09 11:45	05/06/09 16:30
MW08	R905038-03	Water	05/06/09 12:05	05/06/09 16:30

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

Project: PDC - Weingardt No. 24&33-22

Project Number: PDC 0720  
Project Manager: John Peterson

Reported:  
05/08/09 12:18

# Summit Scientific 2905038

741 Corporate Circle - Suite 1  
Golden, Colorado 80401  
303-277-9310 - 303-374-5933 Fax

Client: LT Environmental, Inc.  
Project: PDC - Weingardt No. 24&33-22  
Project Manager: John Peterson  
Project Number: PDC 0720

Number	Sample Identification	Matrix	Type	Sample Date	Sample Time	Sampled By	Container	Qty	Analyses
01-001	MW006	Water	Field Sample	5-6-09	1155	L. VOSS	Voa Vial - HCI	2	8260B BTEX_TXYL
02-001	MW007	Water	Field Sample	5-6-09	1145	L. VOSS	Voa Vial - HCI	2	8260B BTEX_TXYL
03-001	MW008	Water	Field Sample	5-6-09	1205	L. VOSS	Voa Vial - HCI	2	8260B BTEX_TXYL
04-001	MW009	Water	Field Sample				Voa Vial - HCI	2	8260B BTEX_TXYL
05-001	MW010	Water	Field Sample				Voa Vial - HCI	2	8260B BTEX_TXYL

Turn Around Time (Check)

Same Day   
24 Hours   
48 Hours   
72 Hours   
Standard

Sample Integrity:

Temperature Upon Receipt 4.3  
Insect  No

Relinquished By \_\_\_\_\_ Date \_\_\_\_\_  
Received By \_\_\_\_\_ Date \_\_\_\_\_  
Relinquished By Stanley Date 5-6-09  
Received By MS Date 5-6-09



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

Project: PDC - Weingardt No. 24&33-22

Project Number: PDC 0720  
Project Manager: John Peterson

Reported:  
05/08/09 12:18

**MW06**  
**R905038-01 (Water)**

**Summit Scientific**

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

Date Sampled: **05/06/09 11:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	9050704	05/07/09	05/08/09	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **05/06/09 11:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		113 %	77.3-121		"	"	"	"	
Surrogate: Toluene-d8		92.5 %	91.4-107		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		100 %	85.3-109		"	"	"	"	

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Project: PDC - Weingardt No. 24&33-22  
Project Number: PDC 0720  
Project Manager: John Peterson

**Reported:**  
05/08/09 12:18

**MW07**  
**R905038-02 (Water)**

**Summit Scientific**

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

Date Sampled: **05/06/09 11:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	9050704	05/07/09	05/08/09	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **05/06/09 11:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		116 %	77.3-121		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.5 %	91.4-107		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		98.5 %	85.3-109		"	"	"	"	

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Project: PDC - Weingardt No. 24&33-22  
Project Number: PDC 0720  
Project Manager: John Peterson

Reported:  
05/08/09 12:18

**MW08**  
**R905038-03 (Water)**

**Summit Scientific**

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

Date Sampled: **05/06/09 12:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	9050704	05/07/09	05/08/09	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **05/06/09 12:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>120 %</i>	<i>77.3-121</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: Toluene-d8</i>		<i>91.7 %</i>	<i>91.4-107</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>102 %</i>	<i>85.3-109</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

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Project: PDC - Weingardt No. 24&33-22

Project Number: PDC 0720  
Project Manager: John Peterson

Reported:  
05/08/09 12:18

**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 9050704 - EPA 5030 Water MS**

**Blank (9050704-BLK1)**

Prepared: 05/07/09 Analyzed: 05/08/09

Benzene	ND	1.0	ug/l								
Toluene	ND	1.0	"								
Ethylbenzene	ND	1.0	"								
Xylenes (total)	ND	1.0	"								
Surrogate: 1,2-Dichloroethane-d4	15.8		"	13.3		119	77.3-121				
Surrogate: Toluene-d8	12.4		"	13.3		93.2	91.4-107				
Surrogate: 4-Bromofluorobenzene	13.2		"	13.3		99.2	85.3-109				

**LCS (9050704-BS1)**

Prepared: 05/07/09 Analyzed: 05/08/09

Benzene	24.5	1.0	ug/l	33.3		73.6	70-114				
Toluene	27.2	1.0	"	33.3		81.7	72.7-116				
Surrogate: 1,2-Dichloroethane-d4	15.6		"	13.3		117	77.3-121				
Surrogate: Toluene-d8	12.4		"	13.3		93.2	91.4-107				
Surrogate: 4-Bromofluorobenzene	12.9		"	13.3		97.0	85.3-109				

**LCS Dup (9050704-BSD1)**

Prepared: 05/07/09 Analyzed: 05/08/09

Benzene	24.4	1.0	ug/l	33.3		73.3	70-114	0.409	8.14		
Toluene	26.9	1.0	"	33.3		80.8	72.7-116	1.11	7.88		
Surrogate: 1,2-Dichloroethane-d4	15.3		"	13.3		115	77.3-121				
Surrogate: Toluene-d8	12.4		"	13.3		93.2	91.4-107				
Surrogate: 4-Bromofluorobenzene	13.0		"	13.3		97.7	85.3-109				

**Matrix Spike (9050704-MS1)**

Source: R905034-01

Prepared: 05/07/09 Analyzed: 05/08/09

Benzene	25.0	1.0	ug/l	33.3	ND	75.1	66.8-117				
Toluene	27.2	1.0	"	33.3	ND	81.7	71.5-117				
Surrogate: 1,2-Dichloroethane-d4	16.2		"	13.3		122	77.3-121				
Surrogate: Toluene-d8	12.5		"	13.3		94.0	91.4-107				
Surrogate: 4-Bromofluorobenzene	13.4		"	13.3		101	85.3-109				

Summit Scientific

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

Project: PDC - Weingardt No. 24&33-22

Project Number: PDC 0720  
Project Manager: John Peterson

**Reported:**  
05/08/09 12:18

**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 9050704 - EPA 5030 Water MS**

<b>Matrix Spike Dup (9050704-MSD1)</b>	<b>Source: R905034-01</b>			Prepared: 05/07/09	Analyzed: 05/08/09						
Benzene	22.7	1.0	ug/l	33.3	ND	68.2	66.8-117	9.64	17.8		
Toluene	25.3	1.0	"	33.3	ND	76.0	71.5-117	7.24	14.4		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>17.9</i>		<i>"</i>	<i>13.3</i>		<i>135</i>	<i>77.3-121</i>				
<i>Surrogate: Toluene-d8</i>	<i>12.6</i>		<i>"</i>	<i>13.3</i>		<i>94.7</i>	<i>91.4-107</i>				
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>13.6</i>		<i>"</i>	<i>13.3</i>		<i>102</i>	<i>85.3-109</i>				

Summit Scientific



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

Project: PDC - Weingardt No. 24&33-22

Project Number: PDC 0720  
Project Manager: John Peterson

**Reported:**  
05/08/09 12:18

**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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741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.374.5933 - fax

May 13, 2009

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

RE: PDC - Weingardt No. 24&33-22

Enclosed are the results of analyses for samples received by Summit Scientific on 05/12/09 16:52. 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  
Vice President / Laboratory Director



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

Project: PDC - Weingardt No. 24&33-22

Project Number: PDC 0720  
Project Manager: John Peterson

Reported:  
05/13/09 09:17

**MW09**  
**R905075-01 (Water)**

**Summit Scientific**

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

Date Sampled: **05/12/09 08:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	9051203	05/12/09	05/13/09	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **05/12/09 08:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		99.2 %	77.3-121		"	"	"	"	
Surrogate: Toluene-d8		94.7 %	91.4-107		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.7 %	85.3-109		"	"	"	"	

Summit Scientific

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

Project: PDC - Weingardt No. 24&33-22

Project Number: PDC 0720  
Project Manager: John Peterson

Reported:  
05/13/09 09:17

**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 9051203 - EPA 5030 Water MS**

**Blank (9051203-BLK1)**

Prepared: 05/12/09 Analyzed: 05/13/09

Benzene	ND	1.0	ug/l								
Toluene	ND	1.0	"								
Ethylbenzene	ND	1.0	"								
Xylenes (total)	ND	1.0	"								
Surrogate: 1,2-Dichloroethane-d4	12.9		"	13.3	97.0	77.3-121					
Surrogate: Toluene-d8	12.5		"	13.3	94.0	91.4-107					
Surrogate: 4-Bromofluorobenzene	12.5		"	13.3	94.0	85.3-109					

**LCS (9051203-BS1)**

Prepared: 05/12/09 Analyzed: 05/13/09

Benzene	23.0	1.0	ug/l	33.3	69.1	70-114					
Toluene	24.5	1.0	"	33.3	73.6	72.7-116					
Surrogate: 1,2-Dichloroethane-d4	13.2		"	13.3	99.2	77.3-121					
Surrogate: Toluene-d8	12.6		"	13.3	94.7	91.4-107					
Surrogate: 4-Bromofluorobenzene	12.5		"	13.3	94.0	85.3-109					

**LCS Dup (9051203-BSD1)**

Prepared: 05/12/09 Analyzed: 05/13/09

Benzene	25.0	1.0	ug/l	33.3	75.1	70-114	8.33	8.14			
Toluene	26.4	1.0	"	33.3	79.3	72.7-116	7.47	7.88			
Surrogate: 1,2-Dichloroethane-d4	13.6		"	13.3	102	77.3-121					
Surrogate: Toluene-d8	12.3		"	13.3	92.5	91.4-107					
Surrogate: 4-Bromofluorobenzene	12.3		"	13.3	92.5	85.3-109					

**Matrix Spike (9051203-MS1)**

Source: R905062-01

Prepared: 05/12/09 Analyzed: 05/13/09

Benzene	24.1	1.0	ug/l	33.3	ND	72.4	66.8-117				
Toluene	26.6	1.0	"	33.3	ND	79.9	71.5-117				
Surrogate: 1,2-Dichloroethane-d4	13.7		"	13.3		103	77.3-121				
Surrogate: Toluene-d8	12.9		"	13.3		97.0	91.4-107				
Surrogate: 4-Bromofluorobenzene	12.5		"	13.3		94.0	85.3-109				

Summit Scientific

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4600 West 60th Avenue  
Arvada CO, 80003

Project: PDC - Weingardt No. 24&33-22

Project Number: PDC 0720  
Project Manager: John Peterson

**Reported:**  
05/13/09 09:17

**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 9051203 - EPA 5030 Water MS**

<b>Matrix Spike Dup (9051203-MSD1)</b>	<b>Source: R905062-01</b>			Prepared: 05/12/09	Analyzed: 05/13/09					
Benzene	24.4	1.0	ug/l	33.3	ND	73.3	66.8-117	1.24	17.8	
Toluene	26.6	1.0	"	33.3	ND	79.9	71.5-117	0.00	14.4	
Surrogate: 1,2-Dichloroethane-d4	13.2		"	13.3		99.2	77.3-121			
Surrogate: Toluene-d8	12.5		"	13.3		94.0	91.4-107			
Surrogate: 4-Bromofluorobenzene	12.6		"	13.3		94.7	85.3-109			

Summit Scientific



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4600 West 60th Avenue  
Arvada CO, 80003

Project: PDC - Weingardt No. 24&33-22

Project Number: PDC 0720  
Project Manager: John Peterson

**Reported:**  
05/13/09 09:17

**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

