

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

October 05, 2011

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 09/27/11 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 'P. Shrewsbury', with a stylized, flowing script.

Paul Shrewsbury For Ben Shrewsbury
President / 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:
10/05/11 09:00

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW07	R109163-01	Water	09/26/11 11:30	09/27/11 17:00
MW09	R109163-02	Water	09/26/11 11:15	09/27/11 17:00
MW10	R109163-03	Water	09/26/11 10:45	09/27/11 17:00
MW12	R109163-04	Water	09/26/11 10:30	09/27/11 17:00
MW13	R109163-05	Water	09/26/11 11:05	09/27/11 17:00
MW14	R109163-06	Water	09/26/11 10:20	09/27/11 17:00

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

Project: PDC - Dechant 1-31A

Project Number: PDC 09028

Project Manager: Brian Dodek

Reported:

10/05/11 09:00

R109163

Summit Scientific

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

Client: LT Environmental, Inc.

Address: 4600 West 60th Avenue

City/State/Zip: Arvada, CO 80003

Phone: (303) 433-9788

Sampler Name: Dev. h. 6.1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Client: LT Environmental, Inc.

Address: 4600 West 60th Avenue

City/State/Zip: Arvada, CO 80003

Phone: (303) 433-9788

Sampler Name: Dev. h. 6.1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: PDC - Dechant 1-31A

Project Number: PDC 09028
Project Manager: Brian Dodek

Reported:
10/05/11 09:00

MW07
R109163-01 (Water)

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Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/26/11 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1092907	09/29/11	10/01/11	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **09/26/11 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		110 %	57.9-139		"	"	"	"	
Surrogate: Toluene-d8		91.1 %	83.1-115		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.5 %	80.8-120		"	"	"	"	

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Project: PDC - Dechant 1-31A
Project Number: PDC 09028
Project Manager: Brian Dodek

Reported:
10/05/11 09:00

MW09
R109163-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/26/11 11:15**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	1092907	09/29/11	10/01/11	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	ND	1.0		"	"	"	"	"	"	

Date Sampled: **09/26/11 11:15**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		110 %		57.9-139		"	"	"	"	
Surrogate: Toluene-d8		95.0 %		83.1-115		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %		80.8-120		"	"	"	"	

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Project: PDC - Dechant 1-31A
Project Number: PDC 09028
Project Manager: Brian Dodek

Reported:
10/05/11 09:00

MW10
R109163-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/26/11 10:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	4.3	1.0	ug/l	1	1092907	09/29/11	10/01/11	EPA 8260B	
Toluene	5.2	1.0	"	"	"	"	"	"	
Ethylbenzene	220	1.0	"	"	"	"	"	"	
Xylenes (total)	3100	100	"	100	"	"	10/01/11	"	

Date Sampled: **09/26/11 10:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		112 %	57.9-139		"	"	10/01/11	"	
<i>Surrogate: Toluene-d8</i>		95.3 %	83.1-115		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		82.9 %	80.8-120		"	"	"	"	

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Project: PDC - Dechant 1-31A
Project Number: PDC 09028
Project Manager: Brian Dodek

Reported:
10/05/11 09:00

MW12
R109163-04 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/26/11 10:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	1092907	09/29/11	10/01/11	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	ND	1.0		"	"	"	"	"	"	

Date Sampled: **09/26/11 10:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		111 %		57.9-139		"	"	"	"	
Surrogate: Toluene-d8		92.7 %		83.1-115		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.5 %		80.8-120		"	"	"	"	

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Project: PDC - Dechant 1-31A
Project Number: PDC 09028
Project Manager: Brian Dodek

Reported:
10/05/11 09:00

MW13
R109163-05 (Water)

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Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/26/11 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	2.1	1.0	ug/l	1	1092907	09/29/11	10/01/11	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	190	1.0	"	"	"	"	"	"	
Xylenes (total)	2.3	1.0	"	"	"	"	"	"	

Date Sampled: **09/26/11 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		108 %	57.9-139		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		91.6 %	83.1-115		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		83.8 %	80.8-120		"	"	"	"	

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Project: PDC - Dechant 1-31A
Project Number: PDC 09028
Project Manager: Brian Dodek

Reported:
10/05/11 09:00

MW14
R109163-06 (Water)

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Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/26/11 10:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	2.8	1.0	ug/l	1	1092907	09/29/11	10/01/11	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	150	1.0	"	"	"	"	"	"	
Xylenes (total)	3.0	1.0	"	"	"	"	"	"	

Date Sampled: **09/26/11 10:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>110 %</i>	<i>57.9-139</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: Toluene-d8</i>		<i>96.5 %</i>	<i>83.1-115</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>83.3 %</i>	<i>80.8-120</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

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Project: PDC - Dechant 1-31A
Project Number: PDC 09028
Project Manager: Brian Dodek

Reported:
10/05/11 09:00

Volatile Organic Compounds by EPA Method 8260B - Quality Control

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

Batch 1092907 - EPA 5030 Water MS

Blank (1092907-BLK1)

Prepared: 09/29/11 Analyzed: 09/30/11

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	15.0		"	13.3	113	57.9-139				
Surrogate: Toluene-d8	12.6		"	13.3	94.7	83.1-115				
Surrogate: 4-Bromofluorobenzene	13.0		"	13.3	97.5	80.8-120				

LCS (1092907-BS1)

Prepared: 09/29/11 Analyzed: 09/30/11

Benzene	35.2	1.0	ug/l	33.3	106	60.1-131		10.9		
Toluene	35.8	1.0	"	33.3	107	65.9-127		11.3		
Ethylbenzene	38.1	1.0	"	33.3	114	65.1-129		20		
m,p-Xylene	67.4	2.0	"	66.7	101	66.8-127		20		
o-Xylene	36.6	1.0	"	33.3	110	61.2-120		20		
Surrogate: 1,2-Dichloroethane-d4	15.5		"	13.3	116	57.9-139				
Surrogate: Toluene-d8	13.2		"	13.3	98.8	83.1-115				
Surrogate: 4-Bromofluorobenzene	12.5		"	13.3	94.0	80.8-120				

LCS Dup (1092907-BSD1)

Prepared: 09/29/11 Analyzed: 09/30/11

Benzene	34.5	1.0	ug/l	33.3	103	60.1-131	2.18	10.9		
Toluene	34.3	1.0	"	33.3	103	65.9-127	4.22	11.3		
Ethylbenzene	38.2	1.0	"	33.3	115	65.1-129	0.420	20		
m,p-Xylene	65.3	2.0	"	66.7	97.9	66.8-127	3.20	20		
o-Xylene	36.5	1.0	"	33.3	109	61.2-120	0.438	20		
Surrogate: 1,2-Dichloroethane-d4	15.0		"	13.3	113	57.9-139				
Surrogate: Toluene-d8	12.7		"	13.3	95.5	83.1-115				
Surrogate: 4-Bromofluorobenzene	12.8		"	13.3	95.9	80.8-120				

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Project: PDC - Dechant 1-31A
Project Number: PDC 09028
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10/05/11 09:00

Volatile Organic Compounds by EPA Method 8260B - Quality Control
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Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 1092907 - EPA 5030 Water MS

Matrix Spike (1092907-MS1)		Source: R109161-02			Prepared: 09/29/11		Analyzed: 09/30/11			
Benzene	33.7	1.0	ug/l	33.3	ND	101	52.7-130		19.3	
Toluene	34.7	1.0	"	33.3	ND	104	57-127		18.7	
Ethylbenzene	37.0	1.0	"	33.3	ND	111	59.2-127		20	
m,p-Xylene	66.9	2.0	"	66.7	ND	100	53.2-132		20	
o-Xylene	36.9	1.0	"	33.3	ND	111	56.3-117		20	
Surrogate: 1,2-Dichloroethane-d4	15.7		"	13.3		118	57.9-139			
Surrogate: Toluene-d8	13.2		"	13.3		98.7	83.1-115			
Surrogate: 4-Bromofluorobenzene	12.0		"	13.3		89.9	80.8-120			
Matrix Spike Dup (1092907-MSD1)		Source: R109161-02			Prepared: 09/29/11		Analyzed: 09/30/11			
Benzene	33.2	1.0	ug/l	33.3	ND	99.5	52.7-130	1.47	19.3	
Toluene	33.4	1.0	"	33.3	ND	100	57-127	3.96	18.7	
Ethylbenzene	37.6	1.0	"	33.3	ND	113	59.2-127	1.53	20	
m,p-Xylene	66.3	2.0	"	66.7	ND	99.4	53.2-132	0.901	20	
o-Xylene	35.5	1.0	"	33.3	ND	107	56.3-117	3.86	20	
Surrogate: 1,2-Dichloroethane-d4	14.8		"	13.3		111	57.9-139			
Surrogate: Toluene-d8	13.1		"	13.3		98.0	83.1-115			
Surrogate: 4-Bromofluorobenzene	12.0		"	13.3		90.2	80.8-120			

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4600 West 60th Avenue
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Project: PDC - Dechant 1-31A

Project Number: PDC 09028
Project Manager: Brian Dodek

Reported:
10/05/11 09:00

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

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A handwritten signature in black ink, appearing to be 'MSM'.

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