

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

September 23, 2008

John Peterson
LT Environmental, Inc.
4600 West 60th Avenue
Arvada, CO 80003
RE: PDC - Moser 23-33

Enclosed are the results of analyses for samples received by Summit Scientific on 09/22/08 17:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink, appearing to be 'PS' followed by a long horizontal flourish.

Paul Shrewsbury For Ben Shrewsbury
Vice President / Laboratory Director

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

Project: PDC - Moser 23-33

Project Number: PDC 08164
Project Manager: John Peterson

Reported:
09/23/08 11:53

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GW01	R809102-01	Water	09/22/08 12:55	09/22/08 17:00

Summit Scientific 2809102

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

Page / of

Client: LT Environmental, Inc.

Address: 4600 West 60th Avenue

Project Manager:

John Peterson

City/State/Zip: Arvada, CO 80003

E-Mail:

~~moser23-j3~~ | idersan@beryl.com

Phone: (303) 433-9788

Fax: (303) 433-1432

Project Name:

Moser 23-33

Sampler Name: M

20

Project Number

PDC08164

1000

[illegible]

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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 - Moser 23-33

Project Number: PDC 08164
Project Manager: John Peterson

Reported:
09/23/08 11:53

GW01
R809102-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/22/08 12:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	38	1.0	ug/l	1	8092203	09/22/08	09/22/08	EPA 8260B	
Toluene	26	1.0	"	"	"	"	"	"	
Ethylbenzene	110	1.0	"	"	"	"	"	"	
Xylenes (total)	1400	20	"	20	"	"	09/22/08	"	

Date Sampled: **09/22/08 12:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		84.2 %	80-120		"	"	09/22/08	"	
<i>Surrogate: Toluene-d8</i>		101 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		101 %	80-120		"	"	"	"	

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

Project: PDC - Moser 23-33

Project Number: PDC 08164
Project Manager: John Peterson

Reported:
09/23/08 11:53

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 8092203 - EPA 5030 Water MS

Blank (8092203-BLK1)

Prepared & Analyzed: 09/22/08

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	13.4		"	13.3	101	80-120				
Surrogate: Toluene-d8	13.1		"	13.3	98.5	80-120				
Surrogate: 4-Bromofluorobenzene	12.3		"	13.3	92.5	80-120				

LCS (8092203-BS1)

Prepared: 09/22/08 Analyzed: 09/23/08

Benzene	30.3	1.0	ug/l	33.3	91.0	70-114				
Toluene	31.7	1.0	"	33.3	95.2	72.7-116				
Surrogate: 1,2-Dichloroethane-d4	10.3		"	13.3	77.4	80-120				
Surrogate: Toluene-d8	12.6		"	13.3	94.7	80-120				
Surrogate: 4-Bromofluorobenzene	12.2		"	13.3	91.7	80-120				

LCS Dup (8092203-BSD1)

Prepared: 09/22/08 Analyzed: 09/23/08

Benzene	28.3	1.0	ug/l	33.3	85.0	70-114	6.83	8.14		
Toluene	30.0	1.0	"	33.3	90.1	72.7-116	5.51	7.88		
Surrogate: 1,2-Dichloroethane-d4	10.4		"	13.3	78.2	80-120				
Surrogate: Toluene-d8	12.6		"	13.3	94.7	80-120				
Surrogate: 4-Bromofluorobenzene	12.4		"	13.3	93.2	80-120				

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

Project: PDC - Moser 23-33

Project Number: PDC 08164
Project Manager: John Peterson

Reported:
09/23/08 11:53

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

A handwritten signature in black ink, appearing to be 'JP' or similar, with a long horizontal stroke extending to the right.

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741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

September 25, 2008

John Peterson
LT Environmental, Inc.
4600 West 60th Avenue
Arvada, CO 80003
RE: PDC - Moser 23-33

Enclosed are the results of analyses for samples received by Summit Scientific on 09/23/08 16:45. 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' followed by a long, sweeping horizontal line.

Paul Shrewsbury For Ben Shrewsbury
Vice President / Laboratory Director



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

Project: PDC - Moser 23-33

Project Number: PDC 08164
Project Manager: John Peterson

Reported:
09/25/08 10:45

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
N01@4'	R809109-01	Soil	09/23/08 14:00	09/23/08 16:45
E01@4'	R809109-02	Soil	09/23/08 14:10	09/23/08 16:45
S01@4'	R809109-03	Soil	09/23/08 14:20	09/23/08 16:45
W01@4'	R809109-04	Soil	09/23/08 14:05	09/23/08 16:45

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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 - Moser 23-33

Project Number: PDC 08164
Project Manager: John Peterson

Reported:
09/25/08 10:45

N01@4'
R809109-01 (Soil)

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Total Petroleum Hydrocarbons by 8015

Date Sampled: **09/23/08 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C10 (GRO)	ND	50	mg/kg	1	8092304	09/23/08	09/24/08	8015 Full Carbon Chain	
C10-C28 (DRO)	ND	50	"	"	"	"	"	"	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	
C6-C36 TPH	ND	50	"	"	"	"	"	"	

Date Sampled: **09/23/08 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		96.2 %	77.7-123		"	"	"	"	
Surrogate: Trifluorotoluene		98.3 %	73.9-116		"	"	"	"	

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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 - Moser 23-33

Project Number: PDC 08164
Project Manager: John Peterson

Reported:
09/25/08 10:45

E01@4'
R809109-02 (Soil)

Summit Scientific

Total Petroleum Hydrocarbons by 8015

Date Sampled: **09/23/08 14:10**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
C6-C10 (GRO)	ND	50	mg/kg	1	8092304	09/23/08	09/24/08	8015 Full Carbon Chain	
C10-C28 (DRO)	ND	50	"	"	"	"	"	"	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	
C6-C36 TPH	ND	50	"	"	"	"	"	"	

Date Sampled: **09/23/08 14:10**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: o-Terphenyl		104 %	77.7-123		"	"	"	"	
Surrogate: Trifluorotoluene		104 %	73.9-116		"	"	"	"	

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

Project: PDC - Moser 23-33

Project Number: PDC 08164
Project Manager: John Peterson

Reported:
09/25/08 10:45

S01@4'
R809109-03 (Soil)

Summit Scientific

Total Petroleum Hydrocarbons by 8015

Date Sampled: **09/23/08 14:20**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
C6-C10 (GRO)	ND	50	mg/kg	1	8092304	09/23/08	09/24/08	8015 Full Carbon Chain	
C10-C28 (DRO)	ND	50	"	"	"	"	"	"	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	
C6-C36 TPH	ND	50	"	"	"	"	"	"	

Date Sampled: **09/23/08 14:20**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: o-Terphenyl		102 %	77.7-123		"	"	"	"	
Surrogate: Trifluorotoluene		103 %	73.9-116		"	"	"	"	

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

Project: PDC - Moser 23-33

Project Number: PDC 08164
Project Manager: John Peterson

Reported:
09/25/08 10:45

W01@4'
R809109-04 (Soil)

Summit Scientific

Total Petroleum Hydrocarbons by 8015

Date Sampled: **09/23/08 14:05**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
C6-C10 (GRO)	ND	50	mg/kg	1	8092304	09/23/08	09/24/08	8015 Full Carbon Chain	
C10-C28 (DRO)	ND	50	"	"	"	"	"	"	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	
C6-C36 TPH	ND	50	"	"	"	"	"	"	

Date Sampled: **09/23/08 14:05**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: o-Terphenyl		101 %	77.7-123		"	"	"	"	
Surrogate: Trifluorotoluene		103 %	73.9-116		"	"	"	"	

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

Project: PDC - Moser 23-33

Project Number: PDC 08164
Project Manager: John Peterson

Reported:
09/25/08 10:45

Total Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch 8092304 - EPA 3550A

Blank (8092304-BLK1)

Prepared: 09/23/08 Analyzed: 09/25/08

C6-C10 (GRO)	ND	50	mg/kg
C10-C28 (DRO)	ND	50	"
C28-C36 (ORO)	ND	50	"
C6-C36 TPH	ND	50	"

LCS (8092304-BS1)

Prepared: 09/23/08 Analyzed: 09/25/08

C10-C28 (DRO)	389	50	mg/kg	500	77.8	83.3-127
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LCS Dup (8092304-BSD1)

Prepared: 09/23/08 Analyzed: 09/25/08

C10-C28 (DRO)	429	50	mg/kg	500	85.8	83.3-127	9.78	15
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Matrix Spike (8092304-MS1)

Source: R809109-01

Prepared: 09/23/08 Analyzed: 09/25/08

C10-C28 (DRO)	376	50	mg/kg	500	ND	75.2	75.8-126
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Matrix Spike Dup (8092304-MSD1)

Source: R809109-01

Prepared: 09/23/08 Analyzed: 09/25/08

C10-C28 (DRO)	367	50	mg/kg	500	ND	73.4	75.8-126	2.42	13.6
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LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: PDC - Moser 23-33

Project Number: PDC 08164
Project Manager: John Peterson

Reported:
09/25/08 10:45

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

A handwritten signature in black ink, appearing to be 'JM' followed by a long horizontal stroke.

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Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

November 10, 2008

John Peterson
LT Environmental, Inc.
4600 West 60th Avenue
Arvada, CO 80003
RE: PDC - Moser 23-33

Enclosed are the results of analyses for samples received by Summit Scientific on 11/04/08 17:30. 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' followed by a long, sweeping horizontal line.

Paul Shrewsbury For Ben Shrewsbury
Vice President / Laboratory Director



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

Project: PDC - Moser 23-33

Project Number: PDC 08164
Project Manager: John Peterson

Reported:
11/10/08 13:56

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01	R811018-01	Water	11/04/08 14:20	11/04/08 17:30
MW02	R811018-02	Water	11/04/08 14:45	11/04/08 17:30
MW03	R811018-03	Water	11/04/08 15:00	11/04/08 17:30

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

Project: PDC - Moser 23-33

Project Number: PDC 08164
Project Manager: John Peterson

Reported:
11/10/08 13:56

Summit Scientific

S₂
741 Corporate Circle Suite 1 ♦ 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
Fax:	(303) 433-1432
Project Name:	Moser 23-33
Project Number:	P0C08164
Project Manager:	John Peterson
E-Mail:	jpeterson@lenv.com

Page 7 of 7

Sample Description	Date Sampled	Time Sampled	Number of Containers	Preservative				Matrix				Analyze For:	Special Instructions	
				HCl	HNO ₃	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)			
4401	11-4-05	14:20	2	X				X						
4402	1	14:45	2	X				X						
4403	1	15:30	2	X				X						
Quinched by: <i>[Signature]</i>	Date Time: <i>[Signature]</i>	Received by: <i>[Signature]</i>				Date/Time: 11/4/08/16:50				Turn Around Time (Check) Same Day <input type="checkbox"/> 72 Hours <input checked="" type="checkbox"/> Standard <input type="checkbox"/>		Notes:		
Quinched by: <i>[Signature]</i>	Date Time: <i>[Signature]</i>	Received by: <i>[Signature]</i>				Date/Time: 11/4/08/16:50				Sample Integrity: <i>[Signature]</i> Temperature Upon Receipt: <i>42</i> Intact: <input checked="" type="checkbox"/> No <input type="checkbox"/>				
Quinched by: <i>[Signature]</i>	Date Time: <i>[Signature]</i>	Received by: <i>[Signature]</i>				Date/Time: 11/4/08/16:50								

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

Project: PDC - Moser 23-33

Project Number: PDC 08164
Project Manager: John Peterson

Reported:
11/10/08 13:56

MW01
R811018-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 11/04/08 14:20

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	8110706	11/07/08	11/09/08	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	ND	1.0		"	"	"	"	"	"	

Date Sampled: 11/04/08 14:20

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		101 %		77.3-121		"	"	"	"	
Surrogate: Toluene-d8		98.5 %		91.4-107		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %		85.3-109		"	"	"	"	

Summit Scientific

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

Project: PDC - Moser 23-33

Project Number: PDC 08164
Project Manager: John Peterson

Reported:
11/10/08 13:56

MW02
R811018-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 11/04/08 14:45

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	8110706	11/07/08	11/09/08	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: 11/04/08 14:45

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		101 %	77.3-121		"	"	"	"	
Surrogate: Toluene-d8		101 %	91.4-107		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	85.3-109		"	"	"	"	

Summit Scientific

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

Project: PDC - Moser 23-33

Project Number: PDC 08164
Project Manager: John Peterson

Reported:
11/10/08 13:56

MW03
R811018-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 11/04/08 15:00

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	8110706	11/07/08	11/09/08	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	ND	1.0		"	"	"	"	"	"	

Date Sampled: 11/04/08 15:00

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		102 %		77.3-121		"	"	"	"	
Surrogate: Toluene-d8		99.2 %		91.4-107		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %		85.3-109		"	"	"	"	

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

Project: PDC - Moser 23-33

Project Number: PDC 08164
Project Manager: John Peterson

Reported:
11/10/08 13:56

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 8110706 - EPA 5030 Water MS

Blank (8110706-BLK1)

Prepared: 11/07/08 Analyzed: 11/08/08

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	13.6		"	13.3	102	77.3-121				
Surrogate: Toluene-d8	13.8		"	13.3	104	91.4-107				
Surrogate: 4-Bromofluorobenzene	14.4		"	13.3	108	85.3-109				

LCS (8110706-BS1)

Prepared: 11/07/08 Analyzed: 11/08/08

Benzene	30.4	1.0	ug/l	33.3	91.3	70-114				
Toluene	30.8	1.0	"	33.3	92.5	72.7-116				
Surrogate: 1,2-Dichloroethane-d4	14.0		"	13.3	105	77.3-121				
Surrogate: Toluene-d8	13.9		"	13.3	105	91.4-107				
Surrogate: 4-Bromofluorobenzene	14.2		"	13.3	107	85.3-109				

LCS Dup (8110706-BSD1)

Prepared: 11/07/08 Analyzed: 11/08/08

Benzene	31.6	1.0	ug/l	33.3	94.9	70-114	3.87	8.14		
Toluene	32.2	1.0	"	33.3	96.7	72.7-116	4.44	7.88		
Surrogate: 1,2-Dichloroethane-d4	14.3		"	13.3	108	77.3-121				
Surrogate: Toluene-d8	14.1		"	13.3	106	91.4-107				
Surrogate: 4-Bromofluorobenzene	14.6		"	13.3	110	85.3-109				

Matrix Spike (8110706-MS1)

Source: R810175-01

Prepared: 11/07/08 Analyzed: 11/08/08

Benzene	31.5	1.0	ug/l	33.3	ND	94.6	66.8-117			
Toluene	31.8	1.0	"	33.3	ND	95.5	71.5-117			
Surrogate: 1,2-Dichloroethane-d4	14.1		"	13.3		106	77.3-121			
Surrogate: Toluene-d8	13.8		"	13.3		104	91.4-107			
Surrogate: 4-Bromofluorobenzene	14.3		"	13.3		108	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 - Moser 23-33

Project Number: PDC 08164
Project Manager: John Peterson

Reported:
11/10/08 13:56

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 8110706 - EPA 5030 Water MS

Matrix Spike Dup (8110706-MSD1)		Source: R810175-01			Prepared: 11/07/08		Analyzed: 11/08/08			
Benzene	30.7	1.0	ug/l	33.3	ND	92.2	66.8-117	2.57	17.8	
Toluene	30.7	1.0	"	33.3	ND	92.2	71.5-117	3.52	14.4	
Surrogate: 1,2-Dichloroethane-d4	16.1		"	13.3		121	77.3-121			
Surrogate: Toluene-d8	13.5		"	13.3		102	91.4-107			
Surrogate: 4-Bromofluorobenzene	14.3		"	13.3		108	85.3-109			

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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

Summit Scientific

A handwritten signature in black ink, appearing to be 'JM' followed by a long horizontal stroke.

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Material Safety Data Sheet

Trap & Treat® BOS 200®



REMEDATION PRODUCTS, INC.

Section I

Manufacturer's Name <i>Remediation Products Inc.</i>	Emergency Telephone Number <i>303.487.1000</i>
Address (Number, Street, City, State, and ZIP Code) <i>6390 Joyce Drive, Suite 150 W, Golden, CO 80403</i>	Telephone Number for Information <i>303-487-1000</i>
Prepared by <i>T. Mecum</i>	Date Prepared <i>12/2/02</i>
	Signature of Preparer (optional)

Section II - Hazard Ingredients/Identity Information

Non-hazardous components are listed at 3 percent (%) or greater. This is not intended to be a complete compositional disclosure.

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	%(optional)
Carbon	5mg/M ³ (respirable)	10mg/M ³ (Total)	N/A	77
Calcium Sulfate (Gypsum)	"	"	N/A	19
N/A = Not Applicable PELs and TLVs are 8-hour TWAs unless otherwise noted.				

Section III - Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H ₂ O = 1)	2.33 g/cc real density
Vapor Pressure (mm Hg.)	N/A	Melting Point	Decomposes at 1450°C
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water: Negligible			
Appearance and Odor: Black powder. No odor.			

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) Not combustible	Flammable Limits	LEL N/A	UEL N/A
Extinguishing Media Flood with plenty of water			
Special Fire Fighting Procedures None			
Unusual Fire and Explosion Hazards Contact with strong oxidizer, such as ozone, liquid oxygen, chlorine, permanganate, etc., may result in fire.			
NFPA Rating: Health=0; Reactivity=0; Flammability=1			

Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	None
Incompatibility (Materials to Avoid)			
Strong oxidizers, such as ozone, liquid oxygen, chlorine, permanganate, etc., and acids.			
Hazardous Decomposition	May Occur	X	Conditions to Avoid Above 1450° - SO ₂ & CaO
	Will Not Occur		

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation? Yes	Skin? Yes	Ingestion? Yes
Health Hazards (Acute and Chronic)			
<p>The effects of long-term, low-level exposures to carbon have not been determined. Safe handling of this material on a long-term basis should emphasize the avoidance of all effects from repetitive acute exposures.</p> <p>Persons subjected to excessive dust will be forced to leave area because of nuisance; i.e., coughing, sneezing and nasal irritation.</p> <p>CAUTION!!! This material, when wet, removes oxygen from air causing a severe hazard to workers inside carbon vessels and enclosed or confined spaces. Before entering such an area, sampling and work procedures for low oxygen levels should be taken to ensure ample oxygen availability, observing all local, state, and federal regulations.</p>			
Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	N/A	N/A	No
Signs and Symptoms of Exposure			
<p>Effects and Hazards of Eye Contact: The physical nature of this product may produce eye irritation, if exposed to dusting conditions without protective eye equipment.</p> <p>Effects and Hazards of Skin Contact: The product is not a primary skin irritant. The primary skin irritation (Rabbit) is 0.</p> <p>Effects and Hazards of Inhalation Breathing): This product is practically non-toxic through inhalation. The acute inhalation LD₅₀ (Rat) is >6.4 mg/l (nominal concentration). Could cause irritation to respiratory passages, if exposed to dusting conditions without protective respiratory equipment.</p> <p>Effects and Hazards of Ingestion (Swallowing): Material is non-toxic through ingestion. The acute oral LD₅₀ (Rat) is >10g/kg.</p>			
Medical Conditions Generally Aggravated by Exposure			
N/A			
Emergency and First Aid Procedures			
<p>Eyes: Flush with plenty of water for at least 15 minutes. Call physician if irritation continues.</p> <p>Skin: Wash with soap and water.</p> <p>Inhalation: Move to fresh air.</p> <p>Ingestion: N/A</p>			

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled
Sweep or vacuum material from spillages into a waste container for disposal or repackage. Avoid dusting conditions.
Waste Disposal Method
Dispose of unused product in waste container. Dispose of in accordance with local, state, and federal or national regulations.
Precautions to Be Taken in Handling and Storing
CAUTION!!! This product, when wet, removes oxygen from air causing a severe hazard to workers inside carbon vessels and enclosed or confined spaces. Before entering such an area, sampling and work procedures for low oxygen levels should be taken to ensure ample oxygen availability, observing all local, state, and federal or national regulations. Be sure proper ventilation and respiratory and eye protection are used under dusting conditions.
Other Precautions
Wash thoroughly after handling. Exercise caution in the storage and handling of all chemical substances.

Section VIII - Control Measures

Respiratory Protection (<i>Specify Type</i>) Carbon-A NIOSH-approved particulate filter respirator is recommended, if excessive dust is generated.		
Ventilation	Local Exhaust Recommended, when used indoors or in confined spaces	Special Not Required
	Mechanical (<i>General</i>) Recommended, when used indoors or in confined spaces	Other Not required
Protective Gloves Recommended		Eye Protection Safety glasses or goggles recommended
Other Protective Clothing or Equipment Not required		
Work/Hygienic Practices Use of Tyvek® or Nomex® suits is suggested to protect skin from becoming excessively dirty and clothing from being ruined by contact with product.		