

3R - 79

REPORTS

DATE:

3/13/2002

THOMAS No. 1 LOCATION
BLOOMFIELD, NEW MEXICO

MARCH 2002

BILLINGS & ASSOCIATES, INC.



**ANNUAL GROUNDWATER SAMPLING REPORT YEAR 2001
BURLINGTON RESOURCES OIL AND GAS COMPANY'S
THOMAS No. 1 LOCATION**

Prepared for
NEW MEXICO OIL CONSERVATION DIVISION

Mr. Will Olson, Project Manager, Santa Fe Office
and
Mr. Denny Foust, Aztec Office

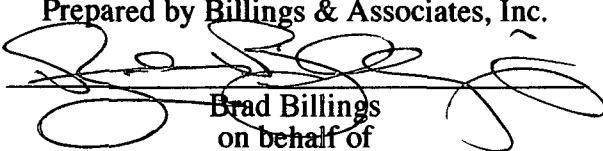
March 13, 2002

RECEIVED

MAR 25 2002

ENVIRONMENTAL BUREAU
OIL CONSERVATION DIVISION

Prepared by Billings & Associates, Inc.



Brad Billings
on behalf of

BIOTECH REMEDIATION, INC.

TABLE OF CONTENTS

Sections

- 1.0 Introduction
- 2.0 Annual Monitoring and Sampling Activities
 - 2.1 Ground Measurement
 - 2.2 Groundwater Sample Collection
 - 2.3 Sample Preservation
 - 2.4 Sample Transport
 - 2.5 Analysis
- 3.0 Equipment Decontamination
- 4.0 Discussion and Recommendations

Figures

- Figure 1A Groundwater Contour Map, September 9, 2001
- Figure 1B Groundwater Contour Map, February 2, 2002

Tables

- Table 1 Summary of Groundwater Monitoring Data (Prior to this reporting)
- Table 1-A Summary of Groundwater Monitoring Data (9/01 and 2/02)
- Table 2 Summary of Groundwater Laboratory Analysis (Prior to this reporting)
- Table 3 Summary of Groundwater Laboratory Analysis (9/01 and 2/02)

Appendices

- Appendix Groundwater Monitor Well Laboratory Analyses Reports,
QA/QC Data and Chain of Custody Reports

1.0 INTRODUCTION

Pursuant to and in compliance with the requirements of the New Mexico Oil Conservation Division (NMOCD), Billings & Associates, Inc. (BAI) is pleased to submit the following 2001 Annual Monitoring and Sampling Report for the Burlington Resources Oil and Gas Company's Thomas No. 1 well located in Bloomfield, New Mexico.

Submitted report details the monitoring and sampling data activities covering January 2001 through February 4, 2002. Data sets include ground water measurements for depth to water in five wells and laboratory analysis on ground water samples from wells identified as MW-02 and MW-03 for the two sampling dates recorded in this report. Field and or travel blank sample data are included in laboratory hard copy but are not detailed in report.

2.0 MONITORING/SAMPLING ACTIVITIES

BioTech personnel engaged in monitoring and sampling requirements for the Thomas No. 1 well site located in Bloomfield, New Mexico. These activities occurred on 9/7/01 and 2/4/02. Ground water sampling and well measurements adhered to the procedures outlined below.

2.1 GROUND WATER MEASUREMENT

At each sampling event, depth to ground water measurements were made and recorded for each monitor well. A Solonist Probe was used to measure from the survey point at top of casing to identified ground water level. Data was generated to the nearest 100th of a foot. Depth to ground water data are summarized in **Table 1 and 1A**. Ground water (potentiometric surface) contour plots developed from the 9/01 and 2/02 measurement data are presented on **Figures 1A and 1B**. Ground water measurements were collected in five monitor wells (MW-1 through MW-5). Depth to water measurements are made prior to removal of any ground water.

2.2 Ground Water Sample Collection

Prior to ground water sample collection, each monitor well was purged of approximately three bore volumes. A short recovery time was then allowed for equilibration. Following this procedure, the well(s) were then sampled.

A single use disposable bailer was used at each sampling location. Bailers were hand lowered into well and allowed to take on water. Bailer ultimately containing sample water was fitted with a slow flow drain device. During transfer of ground water to sample container, care is taken to ensure that no head space or air bubbles remain in sample container and that a meniscus is created at top of sample container. Following closure of sample container, the sample was rotated and agitated, further ensuring that the sample container was void of free air.

2.3 Sample Preservation

Sample vials (40 ml VOA's) were prepared in advance of use by analyzing laboratory with hydrochloric acid (HCL) solution. HCL is used to prevent hydrocarbon degradation by bacteria during sample transport and laboratory holding time.

2.4 Sample Transport

Following sample collection, each sample container was labeled for origin, time/date of collection, sample type, identification of sampler, preservative used and the requested laboratory analysis. Each sample was then logged of Chain of Custody data sheets. Samples were then placed in iced cooler.

2.5 Laboratory Analysis

For each sampling event, collected samples were later analyzed by EPA Method SW8021B. Specific chemical assessments requested were methyl-tertiary-butyl-ether (MTBE) and benzene, toluene, ethylbenzene and total xylenes (BTEX). Historic laboratory results are presented in **Table 2**. Analysis results of the last two sampling events are found in **Table 3**.

3.0 EQUIPMENT DECONTAMINATION

To prevent cross-contamination and ensure valid data, BioTech personnel used strict decontamination protocol. For all monitor well measurement and sample collection, the following method for decontaminating equipment was employed:

- Wash with Alconox and distilled water
- Rinse with distilled water
- Wash with Alconox and distilled water
- Double rinse with distilled water

4.0 DISCUSSION AND RECOMMENDATIONS

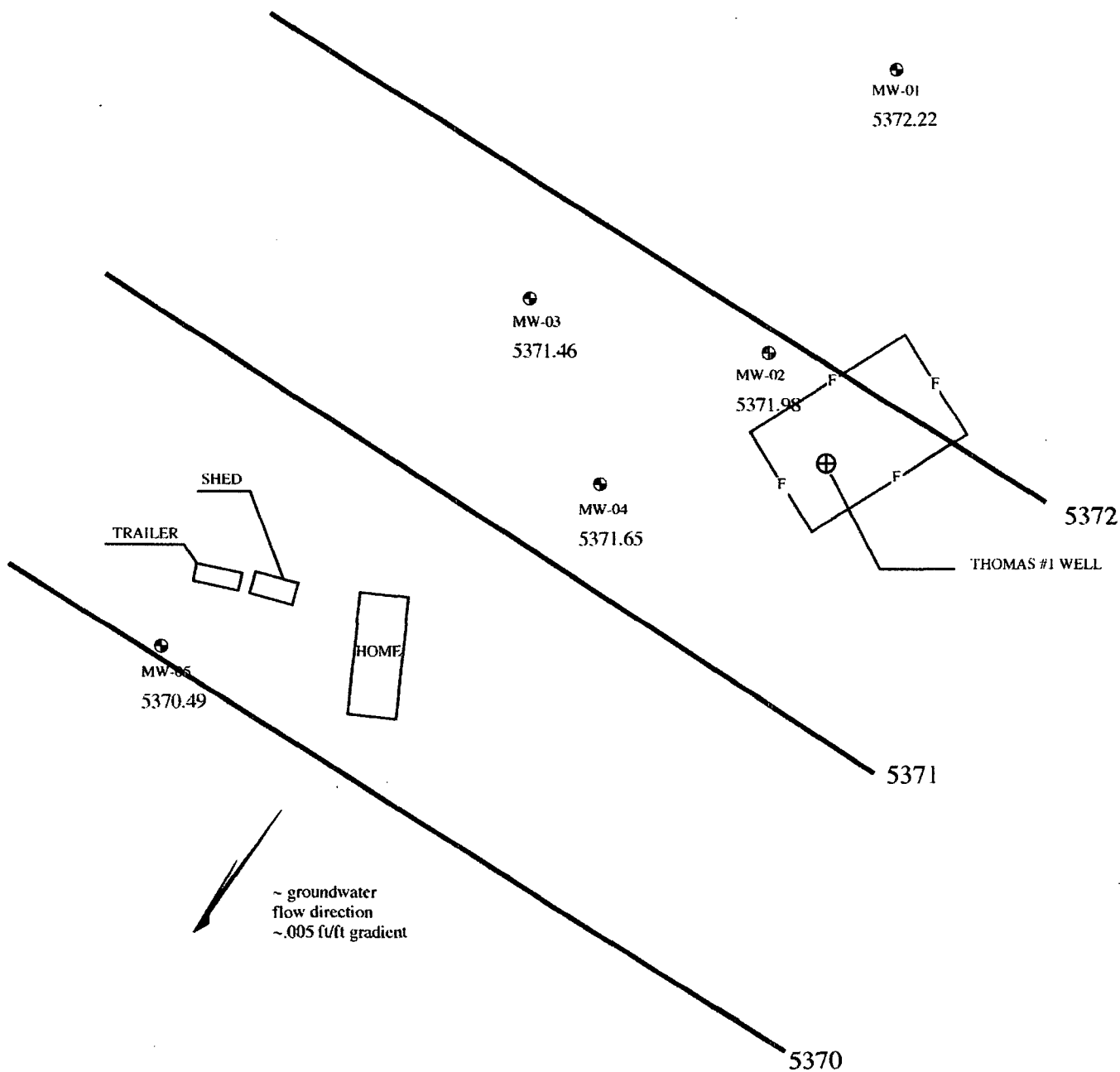
Benzene value in well MW-02 fell to below 0.5 ug/L at the 9/01 sampling. Benzene value rebounded to 120 ug/L in this well as of the 2/02 sample date. Although this is an increase, when these data are compared with historical information, it indicates the benzene values in the well are still decreasing over time, although not in a linear fashion. MTBE values in this well during both sampling events did not exceed 5.0 ug/L.

Benzene value assessed from 9/01 sampling for well MW-3 was given as 130 ug/L. Again, when taken in an historical perspective, this level of benzene is still well below the highest values recorded in this well.

Assessed benzene value in well MW-04 from the 2/02 sampling date, was reported as less than 0.5 ug/L. This value is in line with past data, wherein benzene values have never exceeded State standards for benzene in ground water.

Developed ground water flow direction is at a nominal Southeasterly direction based on both sampling events covered in this report. This is in agreement with historical data.

It is BAI's recommendation, based on current and historical data review, that no additional work effort is needed. BAI does suggest continued sampling by BioTech occur on the current semi-annual basis and that continued annual reporting take place.



Scale 1 inch = 100 feet



monitoring well
groundwater contour

Taken from Bio Tech Remediation 12/13/2000

MODIFIED BY: G. Billings	Figure 1-A	BILLINGS & ASSOCIATES, INC
DATE: 3/12/02	Groundwater Contour Map-9/01	
CASE NO:	Site Name: Thomas No. 1 Well	
	Site Location: Bloomfield New Mexico	



~ groundwater
flow direction
~.005 ft/ft gradient

MW-01
5373.25

5373

MW-03
5373.10

MW-02
5372.76

MW-04
5372.74

THOMAS #1 WELL

SHED
TRAILER

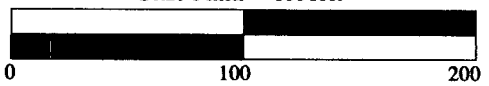
5372

MW-05
5372.16

HOME

5371

Scale 1 inch = 100 feet



⊕ monitoring well
— groundwater contour

Taken from Bio Tech Remediation 12/13/2000

MODIFIED BY: G. Billings	Figure 1-B	BILLINGS & ASSOCIATES, INC
DATE: 3/12/02	Groundwater Contour Map-2/02	
CASE NO:	Site Name: Thomas No. 1 Well	
	Site Location: Bloomfield New Mexico	

TABLE 1
SUMMARY OF GROUNDWATER MONITORING DATA
 Thomas Well #1, Bloomfield, NM

WELL	DATE	TOC	OUTAGE FT	WATER ELEV.	TEMP °C	pH	DO mg/l	Cond.	ORP	TDS	NTU's	% Salinity	Purged vol.
MW-01	10/20/94	5376.91	4.95	5371.95	14.8	6.81	NM	2280	NM	NM	NM	NM	
	01/04/95	5376.91	5.90	5371.00	17.5	6.96	NM	2120	NM	NM	NM	NM	
	07/10/95	5376.91	4.85	5372.05	16.7	7.05	NM	2780	NM	NM	NM	NM	
	01/10/96	5376.91	4.86	5372.04	8.9	7.18	NM	3960	NM	NM	NM	NM	
	07/15/96	5376.91	5.14	5371.76	17.8	7.04	NM	2160	NM	NM	NM	NM	
	01/08/97	5376.91	4.76	5372.14	110.2	7.00	NM	2200	NM	NM	NM	NM	
	08/21/98	5376.91	3.29	5373.62	NM	NM	NM	NM	NM	NM	NM	NM	
	03/03/99	5376.91	3.20	5373.71	10.0	6.50	0.07	4300	NM	NM	NM	NM	
	06/17/99	5376.91	3.68	5373.23	NM	NM	NM	NM	NM	NM	NM	NM	
	09/13/99	5376.91	3.33	5373.58	NM	NM	NM	NM	NM	NM	NM	NM	
MW-02	01/20/00	5376.91	3.38	5373.53	10.7	5.90	0.08	NM	NM	NM	NM	NM	
	08/07/00	5376.91	3.93	5372.98	15.4	6.70	0.36	NM	NM	NM	NM	NM	1.00
	12/13/00	5376.91	3.58	5373.33	NM	NM	NM	NM	NM	NM	NM	NM	1.00
	10/28/02	5376.97	6.43	5370.54	20.0	7.20	NM	2200	NM	NM	NM	NM	
	11/13/02	5376.97	6.49	5370.48	16.1	6.97	NM	2250	NM	NM	NM	NM	
	10/20/04	5376.97	5.71	5371.26	19.1	6.84	NM	2460	NM	NM	NM	NM	
	01/04/05	5376.97	5.95	5371.02	7.1	6.95	NM	2160	NM	NM	NM	NM	
	07/10/05	5376.97	5.74	5371.23	NM	NM	NM	NM	NM	NM	NM	NM	
	01/10/06	5376.97	5.57	5371.40	NM	NM	NM	NM	NM	NM	NM	NM	
	07/15/06	5376.97	5.74	5371.23	NM	NM	NM	NM	NM	NM	NM	NM	
MW-03	01/08/07	5376.97	5.44	5371.53	NM	NM	NM	NM	NM	NM	NM	NM	
	08/21/08	5376.97	4.09	5372.88	NM	NM	NM	NM	NM	NM	NM	NM	
	03/03/09	5376.97	3.73	5373.24	9.7	7.00	NM	2170	NM	NM	NM	NM	
	06/17/09	5376.97	4.18	5372.79	NM	NM	0.01	NM	NM	NM	NM	NM	
	09/13/09	5376.97	3.62	5373.35	NM	NM	NM	NM	NM	NM	NM	NM	
	01/20/00	5376.97	3.89	5373.08	NM	6.20	NM	NM	NM	NM	NM	NM	
	08/07/00	5376.97	4.51	5372.46	18.4	6.10	0.26	NM	NM	NM	NM	NM	1.00
	12/13/00	5376.97	4.15	5372.82	NM	NM	NM	NM	NM	NM	NM	NM	1.30
	10/28/02	5375.56	4.48	5371.08	20.0	7.12	NM	2450	NM	NM	NM	NM	1.50
	11/13/02	5375.56	4.56	5371.00	13.5	7.03	NM	2300	NM	NM	NM	NM	
MW-03	10/20/04	5375.56	4.30	5371.26	16.5	2.86	NM	2970	NM	NM	NM	NM	
	01/04/05	5375.56	4.55	5371.01	6.3	5.35	NM	2640	NM	NM	NM	NM	
	07/10/05	5375.56	4.35	5371.21	17.0	7.08	NM	2160	NM	NM	NM	NM	
	01/10/06	5375.56	4.27	5371.29	8.4	7.43	NM	4640	NM	NM	NM	NM	
	07/15/06	5375.56	4.45	5371.11	23.2	6.95	NM	1610	NM	NM	NM	NM	
	01/08/07	5375.56	4.14	5371.42	9.3	7.21	NM	2550	NM	NM	NM	NM	
	08/21/08	5375.56	2.90	5372.66	NM	NM	NM	NM	NM	NM	NM	NM	
	03/03/09	5375.56	2.27	5373.29	8.3	7.11	NM	4820	NM	NM	NM	NM	

TABLE 1
SUMMARY OF GROUNDWATER MONITORING DATA
Thomas Well #1, Bloomfield, NM

WELL	DATE	TOC	OUTAGE FT	WATER ELEV.	TEMP °C	pH	DO mg/l	Cond.	ORP	TDS	NTU's	% Salinity	Purged vol.
	06/17/99	5375.56	2.95	5372.61	NM	7.40	0.02	NM	NM	NM	NM	NM	
	09/13/99	5375.56	2.63	5372.93	NM	6.80	NM	NM	NM	NM	NM	NM	
	01/20/00	5375.56	2.48	5373.08	9.4	6.30	0.16	NM	NM	NM	NM	NM	1.25
	08/07/00	5375.56	3.35	5372.21	19.0	6.20	0.28	NM	NM	NM	NM	NM	1.00
MW-04	12/13/00	5375.56	2.77	5372.79	NM	NM	NM	NM	NM	NM	NM	NM	1.00
	10/20/94	5375.56	5.52	5370.04	11.9	6.92	NM	4160	NM	NM	NM	NM	
	01/04/95	5375.56	4.76	5370.80	6.1	6.97	NM	2350	NM	NM	NM	NM	
	07/10/95	5375.56	4.58	5370.98	15.0	7.11	NM	1840	NM	NM	NM	NM	
	01/10/96	5375.56	4.41	5371.15	8.4	7.52	NM	2770	NM	NM	NM	NM	
	07/15/96	5375.56	4.58	5370.98	21.6	7.20	NM	1470	NM	NM	NM	NM	
	01/08/97	5375.56	4.29	5371.27	8.2	7.23	NM	1660	NM	NM	NM	NM	
	08/21/98	5375.56	2.95	5372.61	NM	NM	NM	NM	NM	NM	NM	NM	
	03/03/99	5375.56	2.44	5373.12	8.1	8.20	0.12	6820	NM	NM	NM	NM	
	06/17/99	5375.56	3.01	5372.55	NM	NM	NM	NM	NM	NM	NM	NM	
	09/13/99	5375.56	2.67	5372.89	NM	NM	NM	NM	NM	NM	NM	NM	
	01/20/00	5375.56	2.65	5372.91	9.0	8.40	0.44	NM	NM	NM	NM	NM	
	08/07/00	5375.56	3.41	5372.15	20.3	8.00	0.31	NM	NM	NM	NM	NM	
	12/13/00	5375.56	2.91	5372.65	NM	NM	NM	NM	NM	NM	NM	NM	
	01/04/95	5376.35	6.04	5370.31	6.1	6.97	NM	2350	NM	NM	NM	NM	
	07/11/95	5376.35	5.97	5370.38	15.0	7.11	NM	1840	NM	NM	NM	NM	
MW-05	10/20/95	5376.35	5.80	5370.55	11.9	6.92	NM	4160	NM	NM	NM	NM	
	01/10/96	5376.35	5.81	5370.54	8.8	7.44	NM	3190	NM	NM	NM	NM	
	07/15/96	5376.35	5.88	5370.47	14.8	7.02	NM	1290	NM	NM	NM	NM	
	01/08/97	5376.35	5.70	5370.65	8.5	6.85	NM	2070	NM	NM	NM	NM	
	08/21/98	5376.35	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	
	03/03/99	5376.35	3.62	5372.73	9.2	6.50	0.09	3690	NM	NM	NM	NM	
	06/17/99	5376.35	4.51	5371.84	NM	NM	NM	NM	NM	NM	NM	NM	
	09/13/99	5376.35	4.30	5372.05	NM	NM	NM	NM	NM	NM	NM	NM	
	01/20/00	5376.35	3.91	5372.44	9.8	7.30	0.93	NM	NM	NM	NM	NM	
	08/07/00	5376.35	5.12	5371.23	14.4	6.30	0.94	NM	NM	NM	NM	NM	
	12/13/00	5376.35	4.22	5372.13	NM	NM	NM	NM	NM	NM	NM	NM	

NM - Signifies the parameter was not measured.

TABLE 1-A
SUMMARY OF GROUNDWATER MONITORING DATA (9/01 - 2/02)
Thomas Well #1, Bloomfield, NM

WELL	DATE	TOC	OUTAGE FT	WATER ELEV.	TEMP C	pH	DO MG/L	COND.	Purged vol.
MW-01	9/7/01		4.69						
	2/4/02		3.66						
MW-02	9/7/01		4.99						
	2/4/02		4.21						
MW-03	9/7/01		4.1						
	2/4/02		2.46						
MW-04	9/7/01		3.91						
	2/4/02		2.82						
MW-05	9/7/01		5.86						
	2/4/02		4.19						

TABLE 2
SUMMARY OF GROUNDWATER LABORATORY ANALYSIS
Thomas Well #1, Bloomfield, NM

WELL	DATE	TIME	ug/L				
			MTBE	BENZENE	TOLUENE	ETHYLBENZ	XYLENES
MW-01	11/01/91		NS	ND	ND	ND	ND
	09/01/92		NS	ND	ND	ND	ND
	06/15/93		NS	ND	ND	ND	ND
	10/20/94		NS	<0.03	<0.03	<0.03	<0.09
	01/04/95		NS	<0.03	<0.03	<0.03	<0.09
	07/10/95		NS	1.9	ND(1.0)	2.2	ND(2.0)
	01/10/96		NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)
	07/15/96		NS	<0.10	0.1	<0.10	<0.20
	01/08/97		NS	NS	NS	NS	NS
	08/21/98		NS	NS	NS	NS	NS
	03/03/99		NS	NS	NS	NS	NS
	06/17/99		NS	NS	NS	NS	NS
	09/13/99		NS	NS	NS	NS	NS
	01/20/00		NS	NS	NS	NS	NS
	08/07/00		NS	NS	NS	NS	NS
	12/13/00		NS	NS	NS	NS	NS
MW-02	08/18/91		NS	10.0	750.0	750.0	620.0
	08/31/91		NS	800.0	2800.0	400.0	8100.0
	11/01/91		NS	800.0	2800.0	400.0	8100.0
	09/01/92		NS	251.0	64.0	23.0	346.0
	09/15/92		NS	251.0	64.0	23.0	397.0
	10/28/92		NS	1230.0	570.0	113.0	2750.0
	11/13/92		NS	3.0	484.0	164.0	1190.0
	12/07/92		NS	850.0	291.0	98.0	912.0
	06/15/93		NS	860.0	420.0	130.0	2540.0
	10/20/94		NS	556.0	<0.3	79.4	569.0
	01/04/95		NS	448.0	8.3	48.0	340.0
	07/10/95		NS	400.0	ND(10.0)	47.0	324.0
	01/10/96		NS	390.0	ND(10.0)	64.0	395.0
	07/15/96		NS	150.0	<5.0	22.0	110.0
	01/08/97		NS	400.0	2.3	78.0	400.0
	08/21/98		NS	180.0	4.1	48.0	487.4
	03/03/99		NS	260.0	3.7	68.0	703.0
	06/17/99	1308	ND	220.0	18.0	84.0	812.0
	09/13/99	1359	NS	340.0	20.0	110.0	1403.3
	01/20/00	1410	3.3	440.0	ND	130.0	1606.7
	08/07/00	1137	ND	84.0	ND	48.0	435.4
	12/13/00	1005	ND	120.0	ND	56.0	394.0
MW-03	08/18/91		NS	10.0	750.0	750.0	620.0
	08/31/91		NS	1500.0	30000.0	2000.0	38000.0
	11/01/91		NS	1500.0	30000.0	2000.0	36000.0
	09/01/92		NS	ND	8220.0	ND	ND
	09/15/92		NS	ND	8220.0	ND	3630.0

TABLE 2
SUMMARY OF GROUNDWATER LABORATORY ANALYSIS
Thomas Well #1, Bloomfield, NM

WELL	DATE	TIME	ug/L				
			MTBE	BENZENE	TOLUENE	ETHYLBENZ	XYLENES
	10/28/92		NS	256.0	11400.0	1120.0	5640.0
	11/13/92		NS	117.0	4270.0	980.0	9850.0
	12/08/92		NS	25.6	1560.0	570.0	1720.0
	06/15/93		NS	ND	7800.0	780.0	7100.0
	10/20/94		NS	521.0	10900.0	455.0	4040.0
	01/04/95		NS	122.0	2700.0	155.0	1322.0
	07/11/95		NS	ND(10.0)	620.0	61.0	273.0
	01/10/96		NS	ND(25.0)	1200.0	88.0	470.0
	07/15/96		NS	<1.0	57.0	8.0	33.0
	01/08/97		NS	<1.0	150.0	22.0	77.0
	08/21/98		NS	ND	4.6	13.0	16.2
	03/03/99		NS	ND	51.0	14.0	40.2
	06/17/99	1240	ND	ND	10.0	16.0	22.6
	09/13/99	1425	NS	5.8	4.0	8.6	16.5
	01/20/00	1220	ND	ND	110.0	31.0	95.0
	08/07/00	1347	ND	ND	8.8	34.0	21.3
	12/13/00	1027	ND	ND	5.3	13.0	10.0
MW-04	11/01/91		NS	ND	ND	ND	ND
	09/04/92		NS	ND	ND	ND	ND
	06/15/93		NS	ND	ND	ND	ND
	01/04/95		NS	<0.3	<0.3	<0.3	<0.5
	07/10/95		NS	ND(1.0)	ND(1.0)	ND(1.0)	1.3
	01/10/96		NS	ND(1.0)	ND(1.0)	3.6	15.4
	07/16/96		NS	<1.0	0.1	<0.1	0.2
	01/08/97		NS	<1.0	1.3	3.7	35.0
	08/21/98		NS	NS	NS	NS	NS
	03/03/99		NS	NS	NS	NS	NS
	06/17/99		NS	NS	NS	NS	NS
	09/13/99		NS	NS	NS	NS	NS
	01/20/00		NS	NS	NS	NS	NS
	08/07/00		NS	NS	NS	NS	NS
	08/07/00		NS	NS	NS	NS	NS
MW-05	10/20/34		NS	<0.3	<0.3	<0.3	<0.9
	11/01/91		NS	ND	ND	ND	ND
	09/01/92		NS	ND	ND	ND	ND
	06/15/93		NS	9.7	ND	ND	ND
	01/04/95		NS	<0.3	<0.3	<0.3	<0.9
	07/11/95		NS	13.0	6.1	3.7	9.0
	01/10/96		NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)
	07/16/96		NS	<0.1	<0.1	<0.1	<0.2
	01/08/97		NS	<1.0	1.1	<0.1	<0.1
	08/21/98		NS	NS	NS	NS	NS
	03/03/99		NS	NS	NS	NS	NS

TABLE 2
SUMMARY OF GROUNDWATER LABORATORY ANALYSIS
Thomas Well #1, Bloomfield, NM

WELL	DATE	TIME	ug/L				
			MTBE	BENZENE	TOLUENE	ETHYLBENZ	XYLENES
	06/17/99		NS	NS	NS	NS	NS
	09/13/99		NS	NS	NS	NS	NS
	01/20/00		NS	NS	NS	NS	NS
	08/07/00		NS	NS	NS	NS	NS
	12/13/00		NS	NS	NS	NS	NS

NS - Signifies Not Sampled for this test

ND - Signifies Not Detected at tests lowest limits of detection

TABLE 3
SUMMARY OF GROUNDWATER LABORATORY ANALYSIS (9/01 - 2/02)
Thomas Well #1, Bloomfield, NM

WELL	DATE	TIME	ug/L				
			MTBE	BENZENE	TOLUENE	ETHYLBENZENE	XYLENES
MW-02	35679		<5.00	<2.50	<2.50	25	63.2
	35829		2.8	120	9	76	373.6
MW-03	35679		<1.00	130	<0.5	51	372.9
MW-04	35829		1	<0.5	6.9	8.2	18.7

OFF: (505) 325-5667
FAX: (505) 327-1496



LAB: (505) 325-1556
FAX: (505) 327-1496

February 18, 2002

Terry Griffin
BioTech Remediation, Inc.
710 E. 20th, Suite 400
Farmington, NM 87401
TEL: (505) 327-4965
FAX (505) 564-3604

RE: Thomas #1; Bloomfield, NM

Order No.: 0202006

Dear Terry Griffin,

On Site Technologies, LTD. received 3 samples on 02/04/2002 for the analyses presented in the following report.

The Samples were analyzed for the following tests:
Aromatic Volatiles by GC/PID (SW8021B)

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to be "DC" or "D Cox", written in a cursive style.

David Cox

OFF: (505) 325-5667
FAX: (505) 327-1496



LAB: (505) 325-1556
FAX: (505) 327-1496

On Site Technologies, LTD.

Date: 18-Feb-02

CLIENT: BioTech Remediation, Inc.
Project: Thomas #1; Bloomfield, NM
Lab Order: 0202006

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

Any quality control and/or data qualifiers associated with this laboratory order will be flagged in the analytical result page(s) or the quality control summary report(s).

OFF: (505) 325-5667
FAX: (505) 327-1496



LAB: (505) 325-1556
FAX: (505) 327-1496

ANALYTICAL REPORT

Date: 18-Feb-02

Client:	BioTech Remediation, Inc.	Client Sample Info:	Thomas #1; Bloomfield, NM
Work Order:	0202006	Client Sample ID:	MW-02
Lab ID:	0202006-01A	Matrix:	AQUEOUS
Project:	Thomas #1; Bloomfield, NM	Collection Date:	02/04/2002 8:57:00 AM
		COC Record:	11714

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID		SW8021B		Analyst: DDM		
Methyl tert-Butyl Ether	2.8	1		µg/L	1	02/11/2002
Benzene	120	0.5		µg/L	1	02/11/2002
Toluene	9	0.5		µg/L	1	02/11/2002
Ethylbenzene	76	0.5		µg/L	1	02/11/2002
m,p-Xylene	370	5		µg/L	5	02/12/2002
o-Xylene	3.6	0.5		µg/L	1	02/11/2002

Qualifiers:

- PQL - Practical Quantitation Limit
- ND - Not Detected at Practical Quantitation Limit
- J - Analyte detected below Practical Quantitation Limit
- B - Analyte detected in the associated Method Blank

- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range

Surr: - Surrogate

PO. BOX 2606 • FARMINGTON, NM 87499

EMAIL: ONSITE@ONSITELTD.COM

- TECHNOLOGIES SERVING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667
FAX: (505) 327-1496



LAB: (505) 325-1556
FAX: (505) 327-1496

ANALYTICAL REPORT

Date: 18-Feb-02

Client:	BioTech Remediation, Inc.	Client Sample Info:	Thomas #1; Bloomfield, NM
Work Order:	0202006	Client Sample ID:	MW-04
Lab ID:	0202006-02A	Matrix:	AQUEOUS
Project:	Thomas #1; Bloomfield, NM	Collection Date:	02/04/2002 9:32:00 AM
		COC Record:	11714

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID		SW8021B		Analyst: DDM		
Methyl tert-Butyl Ether	ND	1		µg/L	1	02/12/2002
Benzene	ND	0.5		µg/L	1	02/12/2002
Toluene	6.9	0.5		µg/L	1	02/12/2002
Ethylbenzene	8.2	0.5		µg/L	1	02/12/2002
m,p-Xylene	10	1		µg/L	1	02/12/2002
o-Xylene	8.7	0.5		µg/L	1	02/12/2002

Qualifiers:

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

J - Analyte detected below Practical Quantitation Limit

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr: - Surrogate

P.O. BOX 2606 • FARMINGTON, NM 87499

EMAIL: ONSITE@ONSITELTD.COM

- TECHNOLOGY SERVING THE INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667
FAX: (505) 327-1496



LAB: (505) 325-1556
FAX: (505) 327-1496

ANALYTICAL REPORT

Date: 18-Feb-02

Client:	BioTech Remediation, Inc.	Client Sample Info:	Thomas #1; Bloomfield, NM
Work Order:	0202006	Client Sample ID:	Trip Blank
Lab ID:	0202006-03A	Matrix:	AQUEOUS
Project:	Thomas #1; Bloomfield, NM	Collection Date:	01/30/2002 12:20:00 PM
		COC Record:	11714

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID		SW8021B		Analyst: DDM		
Methyl tert-Butyl Ether	ND	1		µg/L	1	02/11/2002
Benzene	ND	0.5		µg/L	1	02/11/2002
Toluene	ND	0.5		µg/L	1	02/11/2002
Ethylbenzene	ND	0.5		µg/L	1	02/11/2002
m,p-Xylene	ND	1		µg/L	1	02/11/2002
o-Xylene	ND	0.5		µg/L	1	02/11/2002

Qualifiers: PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

J - Analyte detected below Practical Quantitation Limit

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surf: - Surrogate

P.O. BOX 2606 • FARMINGTON, NM 87499

EMAIL: ONSITE@ONSITELTD.COM

- TECHNOLOGY SERVING INDUSTRY WITH THE ENVIRONMENT -

On Site Technologies, LTD.

Date: 18-Feb-02

CLIENT: BioTech Remediation, Inc.
Work Order: 0202006
Project: Thomas #1; Bloomfield, NM

QC SUMMARY REPORT

Method Blank

Sample ID: MB_020211	Batch ID: GC-1_020211	Test Code: SW8021B	Units: µg/L	Analysis Date 02/11/2002	Prep Date:
Client ID: 0202006	Run ID: GC-1_020211A	PQL	SPK value	SeqNo: 47585	
Analyte	Result	PQL	SPK value	LowLimit	HighLimit
Benzene	.0653	0.5		%REC	RPD Ref Val
Ethylbenzene	.0914	0.5		%RPD	RPDLimit
m,p-Xylene	.153	1			Qual
Methyl tert-Butyl Ether	.121	1			
o-Xylene	.3372	0.5			J
Toluene	.2565	0.5			J
1,4-Difluorobenzene	106.7	0			J
4-Bromochlorobenzene	119.9	0			J
Fluorobenzene	107.9	0			J

Sample ID: MB_020212	Batch ID: GC-1_020212	Test Code: SW8021B	Units: µg/L	Analysis Date 02/12/2002	Prep Date:
Client ID: 0202006	Run ID: GC-1_020212A	PQL	SPK value	SeqNo: 47596	
Analyte	Result	PQL	SPK value	LowLimit	HighLimit
Benzene	ND	0.5		%REC	RPD Ref Val
Ethylbenzene	ND	0.5		%RPD	RPDLimit
m,p-Xylene	ND	1			Qual
Methyl tert-Butyl Ether	ND	1			
o-Xylene	ND	0.5			
Toluene	.1217	0.5			J
1,4-Difluorobenzene	107.6	0			
4-Bromochlorobenzene	115.9	0			
Fluorobenzene	109.8	0			

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: 18-Feb-02

CLIENT: BioTech Remediation, Inc.

Work Order: 0202006

Project: Thomas #1; Bloomfield, NM

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: 0202003-16AMS	Batch ID: GC-1_020211	Test Code: SW8021B	Units: µg/L	Analysis Date 02/11/2002	Prep Date:						
Client ID:	0202006	Run ID: GC-1_020211A		SeqNo: 47586							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	897.8	5	400	521.7	94.0%	70	130				
Ethylbenzene	756.2	5	400	363.1	98.3%	70	130				
m,p-Xylene	1542	10	800	743.6	99.8%	70	130				
Methyl tert-Butyl Ether	586.2	10	400	200.2	96.5%	70	130				
o-Xylene	500.6	5	400	114.1	96.6%	70	130				
Toluene	502.8	5	400	122.2	95.2%	70	130				
1,4-Difluorobenzene	1044	0	1100	0	94.9%	70	130				
4-Bromochlorobenzene	1187	0	1100	0	107.9%	70	130				
Fluorobenzene	1064	0	1100	0	96.7%	70	130				

Sample ID: 0202003-16AMSD			Batch ID: GC-1_020211	Test Code: SW8021B	Units: µg/L	Analysis Date 02/11/2002			Prep Date:		
Client ID:		0202006	Run ID:	GC-1_020211A			SeqNo:	47587			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	883	5	400	521.7	90.3%	70	130	897.8	1.7%	15	
Ethylbenzene	742.7	5	400	363.1	94.9%	70	130	756.2	1.8%	15	
m,p-Xylene	1514	10	800	743.6	96.2%	70	130	1542	1.8%	15	
Methyl tert-Butyl Ether	603.6	10	400	200.2	100.9%	70	130	586.2	2.9%	15	
o-Xylene	493.2	5	400	114.1	94.8%	70	130	500.6	1.5%	15	
Toluene	490.3	5	400	122.2	92.0%	70	130	502.8	2.5%	15	
1,4-Difluorobenzene	1043	0	1100	0	94.8%	70	130	0	0.0%	0	
4-Bromochlorobenzene	1182	0	1100	0	107.5%	70	130	0	0.0%	0	
Fluorobenzene	1060	0	1100	0	96.3%	70	130	0	0.0%	0	

Qualifiers:

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

CLIENT: BioTech Remediation, Inc.
 Work Order: 0202006
 Project: Thomas #1; Bloomfield, NM

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: 0202003-05AMS		Batch ID: GC-1_020212		Test Code: SW8021B		Units: µg/L		Analysis Date 02/12/2002		Prep Date:	
Client ID:		0202006		Run ID: GC-1_020212A				SeqNo: 47597			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	187.4	2.5	200	0.6197	93.4%	70	130				
Ethylbenzene	194.4	2.5	200	0.8553	96.8%	70	130				
m,p-Xylene	388.3	5	400	0	97.1%	70	130				
Methyl tert-Butyl Ether	735.6	5	200	542.1	96.7%	70	130				
o-Xylene	190.8	2.5	200	0.2514	95.3%	70	130				
Toluene	188.3	2.5	200	0.9085	93.7%	70	130				
1,4-Difluorobenzene	522.3	0	550	0	95.0%	70	130				
4-Bromochlorobenzene	606.2	0	550	0	110.2%	70	130				
Fluorobenzene	535.2	0	550	0	97.3%	70	130				

Sample ID: 0202003-05AMS		Batch ID: GC-1_020212		Test Code: SW8021B		Units: µg/L		Analysis Date 02/12/2002		Prep Date:	
Client ID:		0202006		Run ID: GC-1_020212A				SeqNo: 47598			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	184.5	2.5	200	0.6197	91.9%	70	130	187.4	1.6%	15	
Ethylbenzene	191.5	2.5	200	0.8553	95.3%	70	130	194.4	1.5%	15	
m,p-Xylene	382.7	5	400	0	95.7%	70	130	388.3	1.4%	15	
Methyl tert-Butyl Ether	731.2	5	200	542.1	94.5%	70	130	735.6	0.6%	15	
o-Xylene	188.1	2.5	200	0.2514	93.9%	70	130	190.8	1.4%	15	
Toluene	185.4	2.5	200	0.9085	92.2%	70	130	188.3	1.6%	15	
1,4-Difluorobenzene	521.2	0	550	0	94.8%	70	130	0	0.0%	0	
4-Bromochlorobenzene	603.5	0	550	0	109.7%	70	130	0	0.0%	0	
Fluorobenzene	535.4	0	550	0	97.4%	70	130	0	0.0%	0	

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: 18-Feb-02

CLIENT: BioTech Remediation, Inc.

Work Order: 0202006

Project: Thomas #1; Bloomfield, NM

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID: LCS_020211	Batch ID: GC-1_020211	Test Code: SW8021B	Units: µg/L	Analysis Date 02/11/2002		Prep Date:					
Client ID:	0202006	Run ID: GC-1_020211A		SeqNo: 47584							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	38.91	0.5	40	0.0653	97.1%	80	120				
Ethylbenzene	39.9	0.5	40	0.0914	99.5%	80	120				
m,p-Xylene	80.02	1	80	0.153	99.8%	80	120				
Methyl tert-Butyl Ether	40.89	1	40	0.121	101.9%	80	120				
o-Xylene	39.28	0.5	40	0.3372	97.3%	80	120				
Toluene	38.36	0.5	40	0.2565	95.3%	80	120				
1,4-Difluorobenzene	105.4	0	110	0	95.8%	70	130				
4-Bromochlorobenzene	120.1	0	110	0	109.2%	70	130				
Fluorobenzene	107.1	0	110	0	97.4%	70	130				

Sample ID: LCS_020212	Batch ID: GC-1_020212	Test Code: SW8021B	Units: µg/L	Analysis Date 02/12/2002	Prep Date:						
Client ID:	0202006	Run ID: GC-1_020212A		SeqNo: 47595							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	38.17	0.5	40	0	95.4%	80	120				
Ethylbenzene	39.25	0.5	40	0	98.1%	80	120				
m,p-Xylene	78.7	1	80	0	98.4%	80	120				
Methyl tert-Butyl Ether	40.26	1	40	0	100.7%	80	120				
o-Xylene	38.46	0.5	40	0	96.1%	80	120				
Toluene	37.7	0.5	40	0.1217	93.9%	80	120				
1,4-Difluorobenzene	106.2	0	110	0	96.6%	70	130				
4-Bromochlorobenzene	126.3	0	110	0	114.8%	70	130				
Fluorobenzene	107.9	0	110	0	98.1%	70	130				

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: 18-Feb-02

CLIENT: BioTech Remediation, Inc.
 Work Order: 0202006
 Project: Thomas #1; Bloomfield, NM

QC SUMMARY REPORT

Continuing Calibration Verification Standard

Sample ID: CCV1_020211		Batch ID: GC-1_020211		Test Code: SW8021B		Units: µg/L		Analysis Date 02/11/2002		Prep Date:	
Client ID:		0202006		Run ID: GC-1_020211A		SeqNo: 47581					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	19.73	0.5	20	0	98.7%	85	115				
Ethylbenzene	20.16	0.5	20	0	100.8%	85	115				
m,p-Xylene	40.61	1	40	0	101.5%	85	115				
Methyl tert-Butyl Ether	20.94	1	20	0	104.7%	85	115				
o-Xylene	19.95	0.5	20	0	99.7%	85	115				
Toluene	19.49	0.5	20	0	97.5%	85	115				
1,4-Difluorobenzene	106.5	0	110	0	96.8%	70	130				
4-Bromochlorobenzene	119.4	0	110	0	108.6%	70	130				
Fluorobenzene	107.4	0	110	0	97.6%	70	130				

Sample ID: CCV2_020211		Batch ID: GC-1_020211		Test Code: SW8021B		Units: µg/L		Analysis Date 02/11/2002		Prep Date:		
Client ID:		0202006		Run ID:		GC-1_020211A		SeqNo: 47582				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		19.24	0.5	20	0	96.2%	85	115				
Ethylbenzene		19.67	0.5	20	0	98.4%	85	115				
m,p-Xylene		39.42	1	40	0	98.6%	85	115				
Methyl tert-Butyl Ether		20.69	1	20	0	103.5%	85	115				
o-Xylene		19.36	0.5	20	0	96.8%	85	115				
Toluene		18.97	0.5	20	0	94.9%	85	115				
1,4-Difluorobenzene		106.4	0	110	0	96.8%	70	130				
4-Bromochlorobenzene		119.6	0	110	0	108.7%	70	130				
Fluorobenzene		107.7	0	110	0	97.9%	70	130				

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank

CLIENT: BioTech Remediation, Inc.
Work Order: 0202006
Project: Thomas #1; Bloomfield, NM

QC SUMMARY REPORT
 Continuing Calibration Verification Standard

Sample ID: CCV3_020211 Batch ID: GC-1_020211 Test Code: SW8021B Units: µg/L Analysis Date: 02/11/2002 Prep Date:

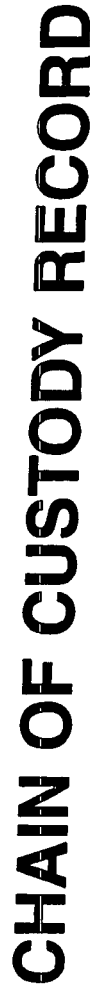
Client ID: 0202006 Run ID: GC-1_020211A SeqNo: 47583

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	37.86	0.5	40	0	94.7%	85	115				
Ethylbenzene	38.64	0.5	40	0	96.6%	85	115				
m,p-Xylene	77.37	1	80	0	96.7%	85	115				
Methyl tert-Butyl Ether	40.27	1	40	0	100.7%	85	115				
o-Xylene	38.01	0.5	40	0	95.0%	85	115				
Toluene	37.34	0.5	40	0	93.3%	85	115				
1,4-Difluorobenzene	106	0	110	0	96.3%	70	130				
4-Bromochlorobenzene	119.3	0	110	0	108.5%	70	130				
Fluorobenzene	107.1	0	110	0	97.4%	70	130				

Sample ID: CCV4_020211 Batch ID: GC-1_020211 Test Code: SW8021B Units: µg/L Analysis Date: 02/11/2002 Prep Date:

Client ID: 0202006 Run ID: GC-1_020211A SeqNo: 47588

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	36.9	0.5	40	0	92.3%	85	115				
Ethylbenzene	37.38	0.5	40	0	93.5%	85	115				
m,p-Xylene	74.67	1	80	0	93.3%	85	115				
Methyl tert-Butyl Ether	39.87	1	40	0	99.7%	85	115				
o-Xylene	37.08	0.5	40	0	92.7%	85	115				
Toluene	36.26	0.5	40	0	90.6%	85	115				
1,4-Difluorobenzene	105.7	0	110	0	96.1%	70	130				
4-Bromochlorobenzene	119	0	110	0	108.2%	70	130				
Fluorobenzene	107.6	0	110	0	97.9%	70	130				



1714

Page: 1 of 1

[illegible]

OFF: (505) 325-5667
FAX: (505) 327-1496



LAB: (505) 325-1556
FAX: (505) 327-1496

September 24, 2001

Terry Griffin
BioTech Remediation, Inc.
710 E. 20th, Suite 400
Farmington, NM 87401
TEL: (505) 327-4965
FAX (505) 564-3604

RE: Thomas No.1 Well

Order No.: 0109005

Dear Terry Griffin,

On Site Technologies, LTD. received 4 samples on 9/7/2001 for the analyses presented in the following report.

The Samples were analyzed for the following tests:
Aromatic Volatiles by GC/PID (SW8021B)

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to be "DC" or "D Cox", written in a cursive style.

David Cox

P.O. BOX 2606 • FARMINGTON, NM 87499

EMAIL: ONSITE@ONSITELTD.COM

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667
FAX: (505) 327-1496



LAB: (505) 325-1556
FAX: (505) 327-1496

On Site Technologies, LTD.

Date: 24-Sep-01

CLIENT: BioTech Remediation, Inc.
Project: Thomas No.1 Well
Lab Order: 0109005

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

Any quality control and/or data qualifiers associated with this laboratory order will be flagged in the analytical result page(s) or the quality control summary report(s).

OFF: (505) 325-5667
FAX: (505) 327-1496



LAB: (505) 325-1556
FAX: (505) 327-1496

ANALYTICAL REPORT

Date: 24-Sep-01

Client:	BioTech Remediation, Inc.	Client Sample Info:	Thomas No.1 Well
Work Order:	0109005	Client Sample ID:	MW #2
Lab ID:	0109005-01A	Matrix:	AQUEOUS
Project:	Thomas No.1 Well	Collection Date:	9/7/2001 11:29:00 AM
		COC Record:	11506

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID		SW8021B		Analyst: DM		
Methyl tert-Butyl Ether	ND	5		µg/L	5	9/19/2001
Benzene	ND	2.5		µg/L	5	9/19/2001
Toluene	ND	2.5		µg/L	5	9/19/2001
Ethylbenzene	25	2.5		µg/L	5	9/19/2001
m,p-Xylene	54	5		µg/L	5	9/19/2001
o-Xylene	9.2	2.5		µg/L	5	9/19/2001

Qualifiers:	PQL - Practical Quantitation Limit	S - Spike Recovery outside accepted recovery limits
	ND - Not Detected at Practical Quantitation Limit	R - RPD outside accepted recovery limits
	J - Analyte detected below Practical Quantitation Limit	E - Value above quantitation range
	B - Analyte detected in the associated Method Blank	Surr: - Surrogate

1 of 4

P.O. BOX 2606 • FARMINGTON, NM 87499

EMAIL: ONSITE@ONSITELTD.COM

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667
FAX: (505) 327-1496



LAB: (505) 325-1556
FAX: (505) 327-1496

ANALYTICAL REPORT

Date: 24-Sep-01

Client:	BioTech Remediation, Inc.	Client Sample Info:	Thomas No.1 Well
Work Order:	0109005	Client Sample ID:	MW #3
Lab ID:	0109005-02A	Matrix:	AQUEOUS
Project:	Thomas No.1 Well	Collection Date:	9/7/2001 11:53:00 AM
		COC Record:	11506

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID		SW8021B		Analyst: DC		
Methyl tert-Butyl Ether	ND	1		µg/L	1	9/13/2001
Benzene	130	0.5		µg/L	1	9/13/2001
Toluene	ND	0.5		µg/L	1	9/13/2001
Ethylbenzene	51	0.5		µg/L	1	9/13/2001
m,p-Xylene	370	1		µg/L	1	9/13/2001
o-Xylene	2.9	0.5		µg/L	1	9/13/2001

Qualifiers:	PQL - Practical Quantitation Limit	S - Spike Recovery outside accepted recovery limits
	ND - Not Detected at Practical Quantitation Limit	R - RPD outside accepted recovery limits
	J - Analyte detected below Practical Quantitation Limit	E - Value above quantitation range
	B - Analyte detected in the associated Method Blank	Surr: - Surrogate

2 of 4

P.O. BOX 2606 • FARMINGTON, NM 87499

EMAIL: ONSITE@ONSITELTD.COM

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667
FAX: (505) 327-1496



LAB: (505) 325-1556
FAX: (505) 327-1496

ANALYTICAL REPORT

Date: 24-Sep-01

Client: BioTech Remediation, Inc.

Client Sample Info: Thomas No.1 Well

Work Order: 0109005

Client Sample ID: Travel Blank

Lab ID: 0109005-03A Matrix: AQUEOUS

Collection Date: 9/7/2001 10:00:00 AM

Project: Thomas No.1 Well

COC Record: 11506

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID		SW8021B		Analyst: DC		
Methyl tert-Butyl Ether	ND	1		µg/L	1	9/13/2001
Benzene	ND	0.5		µg/L	1	9/13/2001
Toluene	ND	0.5		µg/L	1	9/13/2001
Ethylbenzene	ND	0.5		µg/L	1	9/13/2001
m,p-Xylene	ND	1		µg/L	1	9/13/2001
o-Xylene	ND	0.5		µg/L	1	9/13/2001

Qualifiers: PQL - Practical Quantitation Limit

S - Spike Recovery outside accepted recovery limits

ND - Not Detected at Practical Quantitation Limit

R - RPD outside accepted recovery limits

J - Analyte detected below Practical Quantitation Limit

E - Value above quantitation range

B - Analyte detected in the associated Method Blank

Surr: - Surrogate

3 of 4

P.O. BOX 2606 • FARMINGTON, NM 87499

EMAIL: ONSITE@ONSITELTD.COM

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667
FAX: (505) 327-1496



LAB: (505) 325-1556
FAX: (505) 327-1496

ANALYTICAL REPORT

Date: 24-Sep-01

Client:	BioTech Remediation, Inc.	Client Sample Info:	Thomas No.1 Well
Work Order:	0109005	Client Sample ID:	Field Blank
Lab ID:	0109005-04A	Matrix:	AQUEOUS
Project:	Thomas No.1 Well	Collection Date:	9/7/2001 12:03:00 PM
		COC Record:	11506

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID		SW8021B		Analyst: DC		
Methyl tert-Butyl Ether	ND	1		µg/L	1	9/13/2001
Benzene	ND	0.5		µg/L	1	9/13/2001
Toluene	ND	0.5		µg/L	1	9/13/2001
Ethylbenzene	ND	0.5		µg/L	1	9/13/2001
m,p-Xylene	ND	1		µg/L	1	9/13/2001
o-Xylene	ND	0.5		µg/L	1	9/13/2001

Qualifiers:	PQL - Practical Quantitation Limit	S - Spike Recovery outside accepted recovery limits
	ND - Not Detected at Practical Quantitation Limit	R - RPD outside accepted recovery limits
	J - Analyte detected below Practical Quantitation Limit	E - Value above quantitation range
	B - Analyte detected in the associated Method Blank	Surr: - Surrogate

4 of 4

P.O. BOX 2606 • FARMINGTON, NM 87499

EMAIL: ONSITE@ONSITELTD.COM

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

On Site Technologies, LTD.

Date: 24-Sep-01

CLIENT: BioTech Remediation, Inc.
 Work Order: 0109005
 Project: Thomas No.1 Well

QC SUMMARY REPORT

Method Blank

Sample ID: MB1	Batch ID: GC-1_010913	Test Code: SW8021B	Units: µg/L	Analysis Date: 9/13/2001	Prep Date:
Client ID:	0109005	Run ID: GC-1_010913A		SeqNo: 42322	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Benzene	ND	0.5			
Ethylbenzene	ND	0.5			
m,p-Xylene	ND	1			
Methyl tert-Butyl Ether	ND	1			
o-Xylene	ND	0.5			
Toluene	.1505	0.5			J

Sample ID: MB1	Batch ID: GC-1_010919	Test Code: SW8021B	Units: µg/L	Analysis Date: 9/19/2001	Prep Date:
Client ID:	0109005	Run ID: GC-1_010919A		SeqNo: 42447	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Benzene	ND	0.5			
Ethylbenzene	ND	0.5			
m,p-Xylene	ND	1			
Methyl tert-Butyl Ether	ND	1			
o-Xylene	ND	0.5			
Toluene	.0974	0.5			J

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: 24-Sep-01

CLIENT: BioTech Remediation, Inc.

Work Order: 0109005

Project: Thomas No.1 Well

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: 0109001-01AMS		Batch ID: GC-1_010913	Test Code: SW8021B	Units: µg/L	Analysis Date 9/13/2001		Prep Date:						
Client ID:	0109005	Run ID:	GC-1_010913A	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Analyte	Result												
Benzene	40.92			0.5	40	0.0485	102.2%	70	130				
Ethylbenzene	52.69			0.5	40	11.31	103.4%	70	130				
m,p-Xylene	185.8			1	80	110.9	93.7%	70	130				
Methyl tert-Butyl Ether	37.72			1	40	0	94.3%	70	130				
o-Xylene	115.2			0.5	40	79.12	90.1%	70	130				
Toluene	94			0.5	40	54.74	98.1%	70	130				

Sample ID: 0109001-01AMSD		Batch ID: GC-1_010913	Test Code: SW8021B	Units: µg/L	Analysis Date 9/13/2001		Prep Date:				
Client ID:		0109005	Run ID: GC-1_010913A		SeqNo: 42325						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	40.02	0.5	40	0.0485	99.9%	70	130	40.92	2.2%	8	
Ethylbenzene	51.59	0.5	40	11.31	100.7%	70	130	52.69	2.1%	7	
m,p-Xylene	182.2	1	80	110.9	89.1%	70	130	185.8	2.0%	7	
Methyl tert-Butyl Ether	37.43	1	40	0	93.6%	70	130	37.72	0.8%	6	
o-Xylene	113.2	0.5	40	79.12	85.3%	70	130	115.2	1.7%	6	
Toluene	92.09	0.5	40	54.74	93.4%	70	130	94	2.0%	6	

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: BioTech Remediation, Inc.

Work Order: 0109005

Project: Thomas No.1 Well

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: 0109005-01AMS		Batch ID: GC-1_010913		Test Code: SW8021B		Units: µg/L		Analysis Date 9/13/2001		Prep Date:	
Client ID: MW #2		Run ID: 0109005		GC-1_010913A				SeqNo: 42324			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	380.3	5	400	0	95.1%	70	130				
Ethylbenzene	424.7	5	400	10.87	103.5%	70	130				
m,p-Xylene	826.6	10	800	23.91	100.3%	70	130				
Methyl tert-Butyl Ether	364	10	400	3.571	90.1%	70	130				
o-Xylene	410.1	5	400	6.085	101.0%	70	130				
Toluene	410.3	5	400	2.53	101.9%	70	130				

Sample ID: 0109005-01AMSD		Batch ID: GC-1_010913		Test Code: SW8021B		Units: µg/L		Analysis Date 9/13/2001		Prep Date:	
Client ID: MW #2		Run ID: 0109005		GC-1_010913A				SeqNo: 42326			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	377.1	5	400	0	94.3%	70	130	380.3	0.9%	8	
Ethylbenzene	417.9	5	400	10.87	101.8%	70	130	424.7	1.6%	7	
m,p-Xylene	811.2	10	800	23.91	98.4%	70	130	826.6	1.9%	7	
Methyl tert-Butyl Ether	369.6	10	400	3.571	91.5%	70	130	364	1.5%	6	
o-Xylene	400.2	5	400	6.085	98.5%	70	130	410.1	2.4%	6	
Toluene	407.2	5	400	2.53	101.2%	70	130	410.3	0.8%	6	

Sample ID: 0109001-01AMS		Batch ID: GC-1_010919		Test Code: SW8021B		Units: µg/L		Analysis Date 9/19/2001		Prep Date:	
Client ID:		Run ID: 0109005		GC-1_010919A				SeqNo: 42448			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	42.98	0.5	40	0	107.5%	70	130				
Ethylbenzene	53.68	0.5	40	11	106.7%	70	130				
m,p-Xylene	189.6	1	80	110	99.5%	70	130				
Methyl tert-Butyl Ether	41.71	1	40	0	104.3%	70	130				
o-Xylene	117.5	0.5	40	75	106.2%	70	130				
Toluene	96.26	0.5	40	54	105.6%	70	130				

Qualifiers: NID - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: BioTech Remediation, Inc.

Work Order: 0109005

Project: Thomas No. 1 Well

QC SUMMARY REPORT

Sample Matrix Spike Duplicate

Sample ID: 0109001-01AMSD		Batch ID: GC-1_010919	Test Code: SW8021B	Units: µg/L	Analysis Date 9/19/2001			Prep Date:					
Client ID:	0109005	Run ID:	GC-1_010919A	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Analyte	Result												
Benzene	41.88			0.5	40	0	104.7%	70	130	42.98	2.6%	8	
Ethylbenzene	52.17			0.5	40	11	102.9%	70	130	53.68	2.9%	7	
m,p-Xylene	184.4			1	80	110	92.9%	70	130	189.6	2.8%	7	
Methyl tert-Butyl Ether	41.52			1	40	0	103.8%	70	130	41.71	0.5%	6	
o-Xylene	114.6			0.5	40	75	99.1%	70	130	117.5	2.5%	6	
Toluene	93.67			0.5	40	54	99.2%	70	130	96.26	2.7%	6	

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: 24-Sep-01

CLIENT: BioTech Remediation, Inc.
Work Order: 0109005
Project: Thomas No. 1 Well

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID: LCS WATER		Batch ID: GC-1_010913		Test Code: SW8021B		Units: µg/L		Analysis Date 9/13/2001		Prep Date:	
Client ID:		0109005		Run ID: GC-1_010913A				SeqNo: 42321			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	40.63	0.5	40	0	101.6%	80	120				
Ethylbenzene	41.59	0.5	40	0	104.0%	80	120				
m,p-Xylene	81.6	1	80	0	102.0%	80	120				
Methyl tert-Butyl Ether	37.84	1	40	0	94.6%	80	120				
o-Xylene	41.6	0.5	40	0	104.0%	80	120				
Toluene	40.77	0.5	40	0.1505	101.6%	80	120				

Sample ID: LCS WATER		Batch ID: GC-1_010919		Test Code: SW8021B		Units: µg/L		Analysis Date 9/19/2001		Prep Date:	
Client ID:		0109005		Run ID: GC-1_010919A				SeqNo: 42446			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	45.07	0.5	40	0	112.7%	80	120				
Ethylbenzene	42.93	0.5	40	0	107.3%	80	120				
m,p-Xylene	84.42	1	80	0	105.5%	80	120				
Methyl tert-Butyl Ether	44.56	1	40	0	111.4%	80	120				
o-Xylene	42.75	0.5	40	0	106.9%	80	120				
Toluene	43.03	0.5	40	0.0974	107.3%	80	120				

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

On Site Technologies, LTD.

Date: 24-Sep-01

CLIENT: BioTech Remediation, Inc.
Work Order: 0109005
Project: Thomas No. 1 Well

QC SUMMARY REPORT

Continuing Calibration Verification Standard

Sample ID: CCV1 BTEX_0107	Batch ID: GC-1_010913	Test Code: SW8021B	Units: µg/L	Analysis Date 9/13/2001	Prep Date:						
Client ID: 0109005	Run ID: GC-1_010913A	PQL	SPK value	SeqNo: 42318							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	21.28	0.5	20	0	106.4%	85	115				
Ethylbenzene	21.9	0.5	20	0	109.5%	85	115				
m,p-Xylene	43.3	1	40	0	108.2%	85	115				
Methyl tert-Butyl Ether	19.69	1	20	0	98.5%	85	115				
o-Xylene	21.87	0.5	20	0	109.4%	85	115				
Toluene	21.34	0.5	20	0	106.7%	85	115				
1,4-Difluorobenzene	112.9	0	120	0	94.1%	70	130				
4-Bromochlorobenzene	128.4	0	120	0	107.0%	70	130				
Fluorobenzene	112.3	0	120	0	93.6%	70	130				

Sample ID: CCV2 BTEX_0107		Batch ID: GC-1_010913	Test Code: SW8021B	Units: µg/L		Analysis Date 9/13/2001		Prep Date:						
Client ID:		0109005	Run ID:	GC-1_010913A	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Analyte		Result												
Benzene		20.81			0.5	20	0	104.0%	85	115				
Ethylbenzene		21.21			0.5	20	0	106.1%	85	115				
m,p-Xylene		41.87			1	40	0	104.7%	85	115				
Methyl tert-Butyl Ether		19.77			1	20	0	98.8%	85	115				
o-Xylene		21.27			0.5	20	0	106.3%	85	115				
Toluene		20.9			0.5	20	0	104.5%	85	115				
1,4-Difluorobenzene		113.1			0	120	0	94.3%	70	130				
4-Bromochlorobenzene		130			0	120	0	108.3%	70	130				
Fluorobenzene		112			0	120	0	93.4%	70	130				

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: BioTech Remediation, Inc.
 Work Order: 0109005
 Project: Thomas No.1 Well

QC SUMMARY REPORT

Continuing Calibration Verification Standard

Sample ID: CCV3 BTEX_0107		Batch ID: GC-1_010913		Test Code: SW8021B		Units: µg/L		Analysis Date 9/13/2001		Prep Date:		
Client ID:		0109005		Run ID:		GC-1_010913A		SeqNo: 42320				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		41.05	0.5	40	0	102.6%	85	115				
Ethylbenzene		41.9	0.5	40	0	104.7%	85	115				
m,p-Xylene		81.9	1	80	0	102.4%	85	115				
Methyl tert-Butyl Ether		39	1	40	0	97.5%	85	115				
o-Xylene		42.02	0.5	40	0	105.0%	85	115				
Toluene		41.22	0.5	40	0	103.0%	85	115				
1,4-Difluorobenzene		112.7	0	120	0	93.9%	70	130				
4-Bromochlorobenzene		128.9	0	120	0	107.4%	70	130				
Fluorobenzene		111.4	0	120	0	92.9%	70	130				

Sample ID: CCV1 BTEX_0107		Batch ID: GC-1_010919	Test Code: SW8021B	Units: µg/L		Analysis Date 9/19/2001		Prep Date:			
Client ID:		0109005	Run ID:	GC-1_010919A		SeqNo:	42443				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	42.46	0.5	40	0	106.2%	85	115				
Ethylbenzene	42.36	0.5	40	0	105.9%	85	115				
m,p-Xylene	83.22	1	80	0	104.0%	85	115				
Methyl tert-Butyl Ether	40.78	1	40	0	101.9%	85	115				
o-Xylene	42.29	0.5	40	0	105.7%	85	115				
Toluene	41.93	0.5	40	0	104.8%	85	115				
1,4-Difluorobenzene	111	0	120	0	92.5%	70	130				
4-Bromochlorobenzene	134.4	0	120	0	112.0%	70	130				
Fluorobenzene	107	0	120	0	89.2%	70	130				

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank

CLIENT: BioTech Remediation, Inc.
 Work Order: 0109005
 Project: Thomas No.1 Well

QC SUMMARY REPORT

Continuing Calibration Verification Standard

Prep Date:

Analysis Date 9/19/2001

SeqNo: 42444

Units: µg/L

Test Code: SW8021B

Batch ID: GC-1_010919

Sample ID: CCV3 BTEX_0107

Run ID: GC-1_010919A

0109005

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	41.77	0.5	40	0	104.4%	85	115				
Ethylbenzene	41.55	0.5	40	0	103.9%	85	115				
m,p-Xylene	81.61	1	80	0	102.0%	85	115				
Methyl tert-Butyl Ether	41.47	1	40	0	103.7%	85	115				
o-Xylene	41.76	0.5	40	0	104.4%	85	115				
Toluene	41.25	0.5	40	0	103.1%	85	115				
1,4-Difluorobenzene	111	0	120	0	92.5%	70	130				
4-Bromochlorobenzene	134.5	0	120	0	112.1%	70	130				
Fluorobenzene	107	0	120	0	89.2%	70	130				

Prep Date:

Analysis Date 9/19/2001

SeqNo: 42445

Units: µg/L

Test Code: SW8021B

Batch ID: GC-1_010919

Sample ID: CCV3 BTEX_0107

Run ID: GC-1_010919A

0109005

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	42.77	0.5	40	0	106.9%	85	115				
Ethylbenzene	42.56	0.5	40	0	106.4%	85	115				
m,p-Xylene	83.42	1	80	0	104.3%	85	115				
Methyl tert-Butyl Ether	40.61	1	40	0	101.5%	85	115				
o-Xylene	42.69	0.5	40	0	106.7%	85	115				
Toluene	42.22	0.5	40	0	105.6%	85	115				
1,4-Difluorobenzene	110.5	0	120	0	92.1%	70	130				
4-Bromochlorobenzene	135.9	0	120	0	113.3%	70	130				
Fluorobenzene	107.2	0	120	0	89.3%	70	130				

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CHAIN OF CUSTODY RECORD

11506*

Date: 9-7-01Page: 1 of 1

612 E. Murray Dr. • P.O. Box 2606 • Farmington, NM 87499
LAB: (505) 325-5667 • FAX: (505) 327-1496

Purchase Order No.:		Project No. THOMAS #1	
Name Terry Gelfin		Title	
Company BUTLER REMEDIATION INC.		Company	
Address 710 E. 20TH		Mailing Address	
City, State, Zip Farmington N.M.		City, State, Zip	
Telephone No.		Telephone No.	
Telefax No.		Telefax No.	
PROJECT LOCATION: THOMAS NO.1 WELL BLOOMFIELD, NM		ANALYSIS REQUESTED	
SAMPLER'S SIGNATURE: <i>[Signature]</i>		Number of Containers	
SAMPLE IDENTIFICATION		LAB ID	
DATE	TIME	MATRIX	PRES.
9-7-01	1129	H2O	HLL
"	1153	H2O	HLL
"	1000	H2O	HLL
"	1203	H2O	HLL
MW#2		2	
MW#3		2	
FIELD BLANK		2	
FIELD BLANK		2	
RELINQUISHED BY: <i>[Signature]</i>		Date/Time 9-7-01 1340	
RELINQUISHED BY:		Date/Time	
RELINQUISHED BY:		Date/Time	
METHOD OF SHIPMENT:		Date/Time	
AUTHORIZED BY:		Date	
SPECIAL INSTRUCTIONS / REMARKS:		Date/Time	
Rush		24-48 Hours	
10 Working Days		By Date	