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REPORTS

DATE:

3/3/2000

BioTech Remediation Inc.

**1999 Annual Groundwater Sampling
Thomas No. 1 Location
(NOW CLAYTON INVESTMENTS)
BLOOMFIELD, NEW MEXICO**

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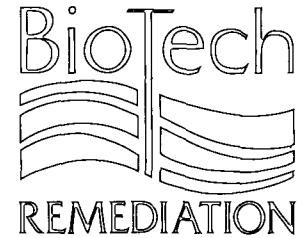
ENVIRONMENTAL BUREAU
OIL CONSERVATION DIVISION

prepared for the

NEW MEXICO OIL CONSERVATION DIVISION

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

March 3, 2000



ANNUAL GROUNDWATER SAMPLING
BURLINGTON RESOURCES OIL AND GAS COMPANY'S
THOMAS No. 1 LOCATION
(NOW CLAYTON INVESTMENTS)
BLOOMFIELD, NEW MEXICO

710 E. 20th Street, Suite 400
Farmington, New Mexico 87401
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Prepared for the

NEW MEXICO OIL CONSERVATION DIVISION

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

March 3, 2000

Prepared by

BIOTECH REMEDIATION, INC.
710 E. 20TH STREET, SUITE 400
FARMINGTON, NEW MEXICO 87401

Prepared by:


Ken Sinks
Project Scientist

1999 Annual Report Thomas No.1 Well

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1.0 INTRODUCTION

In compliance with and pursuant to the requirements of the New Mexico Oil Conservation Division (NMOCD), BioTech Remediation, Inc. (BioTech), on behalf of Clayton Investments, submits the following 1999 Annual Monitoring and Sampling Report for the Burlington Resources Oil and Gas Company's Thomas No. 1 (now Clayton Investments) well located in Bloomfield, New Mexico.

This report summarizes the monitoring, sampling and data compilation activities groundwater monitor wells for the period June 1999 through January 2000. Included are groundwater measurement of all wells and laboratory analyses for MW-02 and MW-03.

2.0 ANNUAL MONITORING AND SAMPLING ACTIVITIES

BioTech personnel completed the monitoring and sampling requirements for the Thomas No. 1 well located in Bloomfield, New Mexico on June 17, 1999, September 13, 1999 and January 20, 2000. Normal sampling would be in July and January, however, due to an over site an extra sampling event in September was performed. During the monitoring and sampling events, groundwater monitor well measurements and sample collection strictly followed the procedures outlined below.

2.1 Groundwater Measurement

During each groundwater sampling event, depth to groundwater measurements were recorded for each monitor well. A Solonist Probe was used to measure from the survey point on the top of the well casing to the top of groundwater in the well. Depth measurements were recorded to 1/100 of a foot. Groundwater measurement data is summarized and presented in Table 1 and groundwater contour plots based on 1999 elevation data were constructed and are found on Figures 1A, 1B and 1C.

2.2 Groundwater Sample Collection

Before groundwater samples were collected, each monitor well was purged of approximately three well volumes and then allowed a short recovery period in order for the groundwater to equilibrate within the well casing. During groundwater purging, dissolved oxygen (DO) content in MW-01, 03, 04 and 05 were measured by a YSI 55 probe and recorded onto the Water Sampling Record Forms. Each monitor well was considered to be successfully purged and ready for sample collection when three well volumes were purged from the well. Following the use of the DO and Solonist Probes they were decontaminated using the protocol detailed in Section 3.0.

During BTEX sample collection, a disposable bailer was lowered slowly into the well casing, taking care not to agitate the casing water. The bailer was allowed to take on water and then carefully removed from the well. Once removed, the bailer was fitted with a slow flow drain device. In transferring the sample from the bailer to the sample container, extreme care was taken to ensure that each container was filled from the

bottom completely until a meniscus formed and no headspace or air bubbles were present in the sample bottle. The sample container cap was replaced then tightly closed. The sample vial was observed while rotating to further ascertain that it was void of air.

2.3 Sample Preservation

Sample preservation consisted of the following; the vials were prepared in advance by the analyzing laboratory with hydrochloric acid (HCl) as required by the laboratory sample protocol. The HCl was added primarily to prevent bacterial degradation of hydrocarbons during sample transport and laboratory holding time.

2.4 Sample Transport

Immediately following sample collection, containers were labeled with the sample origin, time and date of collection, type of sample, sampler identification, preservative used, and the requested analysis. Once labeled, each sample was logged onto a Chain of Custody Record, as they were collected. Properly labeling and logging each of the samples avoided the potential for sample misidentification. The samples were then placed on ice and cooled to 4° C or less.

2.5 Analysis

Groundwater sampling of the two monitor wells is conducted quarterly during June, 1999 September, 1999 and January, 2000. During each sampling event, collected samples were analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX) per EPA Method 8021B. In the June and January sampling, Methyl-Tertiary-Butyl Ether was also reported. The laboratory results analyses are presented in Table 2. In the future sampling will be in July and January.

3.0 EQUIPMENT DECONTAMINATION

In order to ensure data validity and prevent cross-contamination, BioTech personnel employed and strictly followed decontamination protocols. During all monitor well measurement and sample collection, the following method for decontaminating equipment was employed:

- Wash with detergent (Alconox) and distilled water
- Rinse with distilled water
- Wash with detergent (Alconox) and distilled water
- Double rinse with distilled water

4.0 DISCUSSION AND RECOMMENDATIONS

The contaminant concentrations in MW-03 continue to be below the NMWQCC standards for all contaminants, although the contaminant concentration in MW-02 continues to fluctuate (see Table 2). Table 1 shows the groundwater elevation data in all

monitor wells. Figures 1A through 1C illustrates the groundwater contours for the area at the time of sampling and monitoring in June 1999 through January 2000.

No further action is recommended at this time. BioTech will continue to monitor the site on a semi-annual base (July and January) and report the information on an annual basis by April following the January sampling.

TABLES

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	2790	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	
MW-02	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	
	01/20/00	5376.91	3.38	5373.53	10.7	5.90	0.08	NM	NM	NM	NM	NM	1.00
	10/28/92	5376.97	6.43	5370.54	20.0	7.20	NM	2200	NM	NM	NM	NM	
	11/13/92	5376.97	6.49	5370.48	16.1	6.97	NM	2250	NM	NM	NM	NM	
	10/20/94	5376.97	5.71	5371.26	19.1	6.64	NM	2460	NM	NM	NM	NM	
MW-03	01/04/95	5376.97	5.95	5371.02	7.1	6.95	NM	2160	NM	NM	NM	NM	
	07/10/95	5376.97	5.74	5371.23	NM	NM	NM	NM	NM	NM	NM	NM	
	01/10/96	5376.97	5.57	5371.40	NM	NM	NM	NM	NM	NM	NM	NM	
	07/15/96	5376.97	5.74	5371.23	NM	NM	NM	NM	NM	NM	NM	NM	
	01/08/97	5376.97	5.44	5371.53	NM	NM	NM	NM	NM	NM	NM	NM	
	08/21/98	5376.97	4.09	5372.88	NM	NM	NM	NM	NM	NM	NM	NM	
	03/03/99	5376.97	3.73	5373.24	9.7	7.00	NM	2170	NM	NM	NM	NM	
	06/17/99	5376.97	4.18	5372.79	NM	NM	0.01	NM	NM	NM	NM	NM	
	09/13/99	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	1.00
	10/28/92	5375.56	4.48	5371.08	20.0	7.12	NM	2450	NM	NM	NM	NM	
	11/13/92	5375.56	4.56	5371.00	13.5	7.03	NM	2300	NM	NM	NM	NM	
	10/20/94	5375.56	4.30	5371.26	16.5	2.86	NM	2970	NM	NM	NM	NM	
	01/04/95	5375.56	4.55	5371.01	6.3	5.35	NM	2640	NM	NM	NM	NM	
	07/10/95	5375.56	4.35	5371.21	17.0	7.08	NM	2160	NM	NM	NM	NM	
	01/10/96	5375.56	4.27	5371.29	8.4	7.43	NM	4640	NM	NM	NM	NM	
	07/15/96	5375.56	4.45	5371.11	23.2	6.95	NM	1610	NM	NM	NM	NM	
	01/08/97	5375.56	4.14	5371.42	9.3	7.21	NM	2550	NM	NM	NM	NM	
	08/21/98	5375.56	2.90	5372.66	NM	NM	NM	NM	NM	NM	NM	NM	
	03/03/99	5375.56	2.27	5373.29	8.3	7.11	NM	4820	NM	NM	NM	NM	
	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	

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-04	01/20/00	5375.56	2.48	5373.08	9.4	6.30	0.16	NM	NM	NM	NM	NM	1.25
	10/20/94	5375.56	5.52	5370.04	11.9	6.92	NM	4160	NM	NM	NM	NM	
MW-05	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	0.50
MW-05	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	
	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	1.00

NM - Signifies the parameter was not measured.

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

WELL	WELL #	DATE	TIME	ug/L				
				MTBE	BENZENE	TOLUENE	ETHYLBENZ	XYLENES
MW-01	MW-01	11/01/91		NS	ND	ND	ND	ND
	MW-01	09/01/92		NS	ND	ND	ND	ND
	MW-01	06/15/93		NS	ND	ND	ND	ND
	MW-01	10/20/94		NS	<0.03	<0.03	<0.03	<0.09
	MW-01	01/04/95		NS	<0.03	<0.03	<0.03	<0.09
	MW-01	07/10/95		NS	1.9	ND(1.0)	2.2	ND(2.0)
	MW-01	01/10/96		NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)
	MW-01	07/15/96		NS	<0.10	0.1	<0.10	<0.20
	MW-01	01/08/97		NS	NS	NS	NS	NS
	MW-01	08/21/98		NS	NS	NS	NS	NS
	MW-01	03/03/99		NS	NS	NS	NS	NS
	MW-01	06/17/99		NS	NS	NS	NS	NS
	MW-01	09/13/99		NS	NS	NS	NS	NS
	MW-01	01/20/00		NS	NS	NS	NS	NS
MW-02	MW-02	08/18/91		NS	10.0	750.0	750.0	620.0
	MW-02	08/31/91		NS	800.0	2800.0	400.0	8100.0
	MW-02	11/01/91		NS	800.0	2800.0	400.0	8100.0
	MW-02	09/01/92		NS	251.0	64.0	23.0	346.0
	MW-02	09/15/92		NS	251.0	64.0	23.0	397.0
	MW-02	10/28/92		NS	1230.0	570.0	113.0	2750.0
	MW-02	11/13/92		NS	3.0	484.0	164.0	1190.0
	MW-02	12/07/92		NS	850.0	291.0	98.0	912.0
	MW-02	06/15/93		NS	860.0	420.0	130.0	2540.0
	MW-02	10/20/94		NS	556.0	<0.3	79.4	569.0
	MW-02	01/04/95		NS	448.0	8.3	48.0	340.0
	MW-02	07/10/95		NS	400.0	ND(10.0)	47.0	324.0
	MW-02	01/10/96		NS	390.0	ND(10.0)	64.0	395.0
	MW-02	07/15/96		NS	150.0	<5.0	22.0	110.0
	MW-02	01/08/97		NS	400.0	2.3	78.0	400.0
	MW-02	08/21/98		NS	180.0	4.1	48.0	487.4
	MW-02	03/03/99		NS	260.0	3.7	68.0	703.0
	MW-02	06/17/99	1308	ND	220.0	18.0	84.0	812.0
	MW-02	09/13/99	1359	NS	340.0	20.0	110.0	1403.3
	MW-02	01/20/00	1410	3.3	440.0	ND	130.0	1606.7
MW-03	MW-03	08/18/91		NS	10.0	750.0	750.0	620.0
	MW-03	08/31/91		NS	1500.0	30000.0	2000.0	38000.0
	MW-03	11/01/91		NS	1500.0	30000.0	2000.0	36000.0
	MW-03	09/01/92		NS	ND	8220.0	ND	ND
	MW-03	09/15/92		NS	ND	8220.0	ND	3630.0
	MW-03	10/28/92		NS	256.0	11400.0	1120.0	5640.0
	MW-03	11/13/92		NS	117.0	4270.0	980.0	9850.0
	MW-03	12/08/92		NS	25.6	1560.0	570.0	1720.0
	MW-03	06/15/93		NS	ND	7800.0	780.0	7100.0
	MW-03	10/20/94		NS	521.0	10900.0	455.0	4040.0
	MW-03	01/04/95		NS	122.0	2700.0	155.0	1322.0
	MW-03	07/11/95		NS	ND(10.0)	620.0	61.0	273.0

Thomas No. 1
1999 Annual Report
03/27/2000

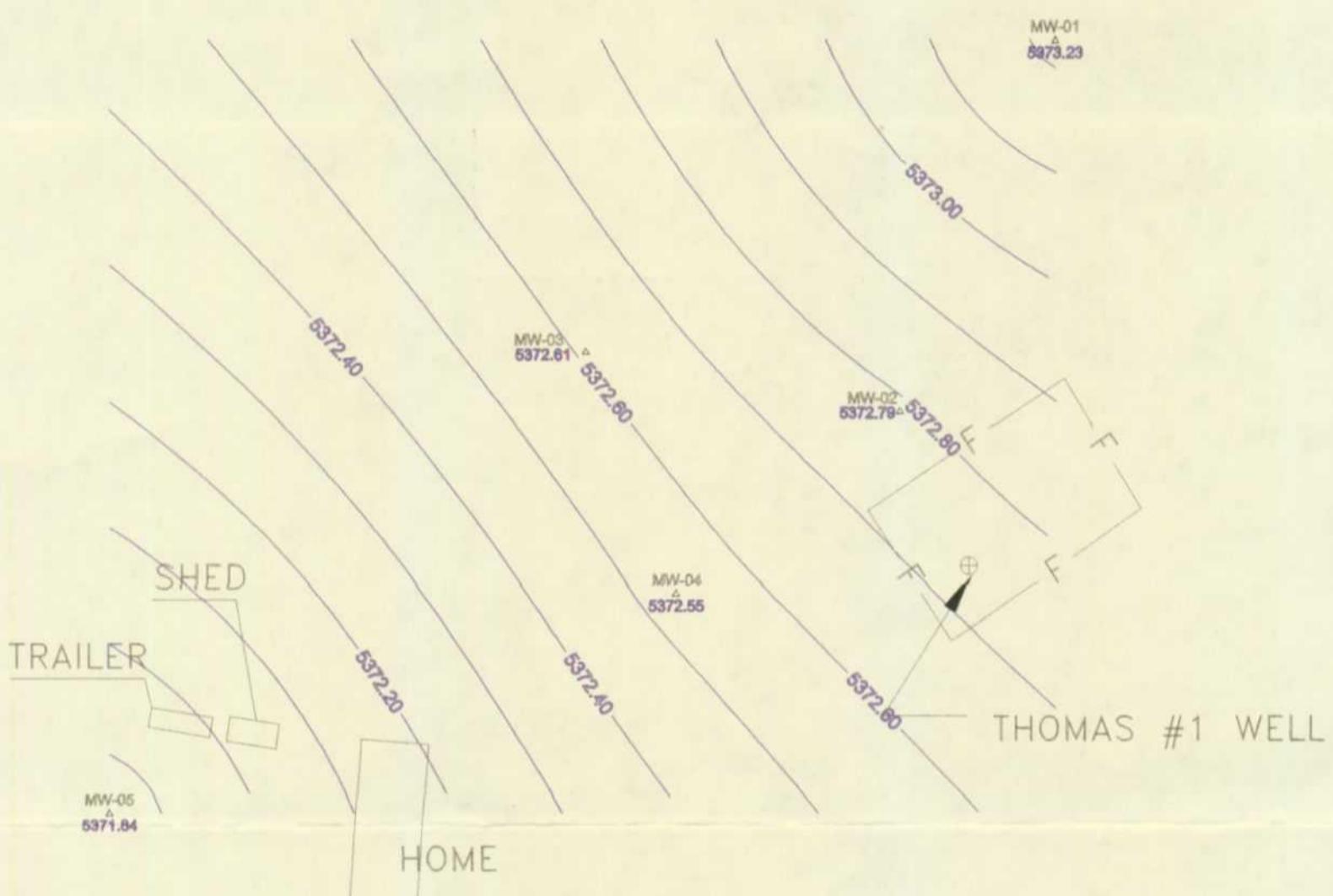
TABLE 2
SUMMARY OF GROUNDWATER LABORATORY ANALYSIS
Thomas Well #1, Bloomfield, NM

WELL	WELL #	DATE	TIME	ug/L				
				MTBE	BENZENE	TOLUENE	ETHYLBENZ	XYLENES
MW-03	MW-03	01/10/96		NS	ND(25.0)	1200.0	88.0	470.0
	MW-03	07/15/96		NS	<1.0	57.0	8.0	33.0
	MW-03	01/08/97		NS	<1.0	150.0	22.0	77.0
	MW-03	08/21/98		NS	ND	4.6	13.0	16.2
	MW-03	03/03/99		NS	ND	51.0	14.0	40.2
	MW-03	06/17/99	1240	ND	ND	10.0	16.0	22.6
	MW-03	09/13/99	1425	NS	5.8	4.0	8.6	16.5
	MW-03	01/20/00	1220	ND	ND	110.0	31.0	95.0
	MW-04	11/01/91		NS	ND	ND	ND	ND
	MW-04	09/04/92		NS	ND	ND	ND	ND
	MW-04	06/15/93		NS	ND	ND	ND	ND
	MW-04	01/04/95		NS	<0.3	<0.3	<0.3	<0.5
	MW-04	07/10/95		NS	ND(1.0)	ND(1.0)	ND(1.0)	1.3
MW-04	MW-04	01/10/96		NS	ND(1.0)	ND(1.0)	3.6	15.4
	MW-04	07/16/96		NS	<1.0	0.1	<0.1	0.2
	MW-04	01/08/97		NS	<1.0	1.3	3.7	35.0
	MW-04	08/21/98		NS	NS	NS	NS	NS
	MW-04	03/03/99		NS	NS	NS	NS	NS
	MW-04	06/17/99		NS	NS	NS	NS	NS
	MW-04	09/13/99		NS	NS	NS	NS	NS
	MW-04	01/20/00		NS	NS	NS	NS	NS
	MW-05	10/20/94		NS	<0.3	<0.3	<0.3	<0.9
	MW-05	11/01/91		NS	ND	ND	ND	ND
	MW-05	09/01/92		NS	ND	ND	ND	ND
	MW-05	06/15/93		NS	9.7	ND	ND	ND
	MW-05	01/04/95		NS	<0.3	<0.3	<0.3	<0.9
MW-05	MW-05	07/11/95		NS	13.0	6.1	3.7	9.0
	MW-05	01/10/96		NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)
	MW-05	07/16/96		NS	<0.1	<0.1	<0.1	<0.2
	MW-05	01/08/97		NS	<1.0	1.1	<0.1	<0.1
	MW-05	08/21/98		NS	NS	NS	NS	NS
	MW-05	03/03/99		NS	NS	NS	NS	NS
	MW-05	06/17/99		NS	NS	NS	NS	NS
	MW-05	09/13/99		NS	NS	NS	NS	NS
	MW-05	01/20/00		NS	NS	NS	NS	NS

NS - Signifies Not Sampled for this test

ND - Signifies Not Detected at tests lowest limits of detection

FIGURES



100 0 100 200 300

 GRAPHIC SCALE - FEET



THOMAS NO. 1 WELL
BLOOMFIELD, NM

99THO\061799WL

DRAWN BY: K. SINKS

FIGURE 1A
GROUNDWATER
CONTOUR MAP

JUNE 17, 1999

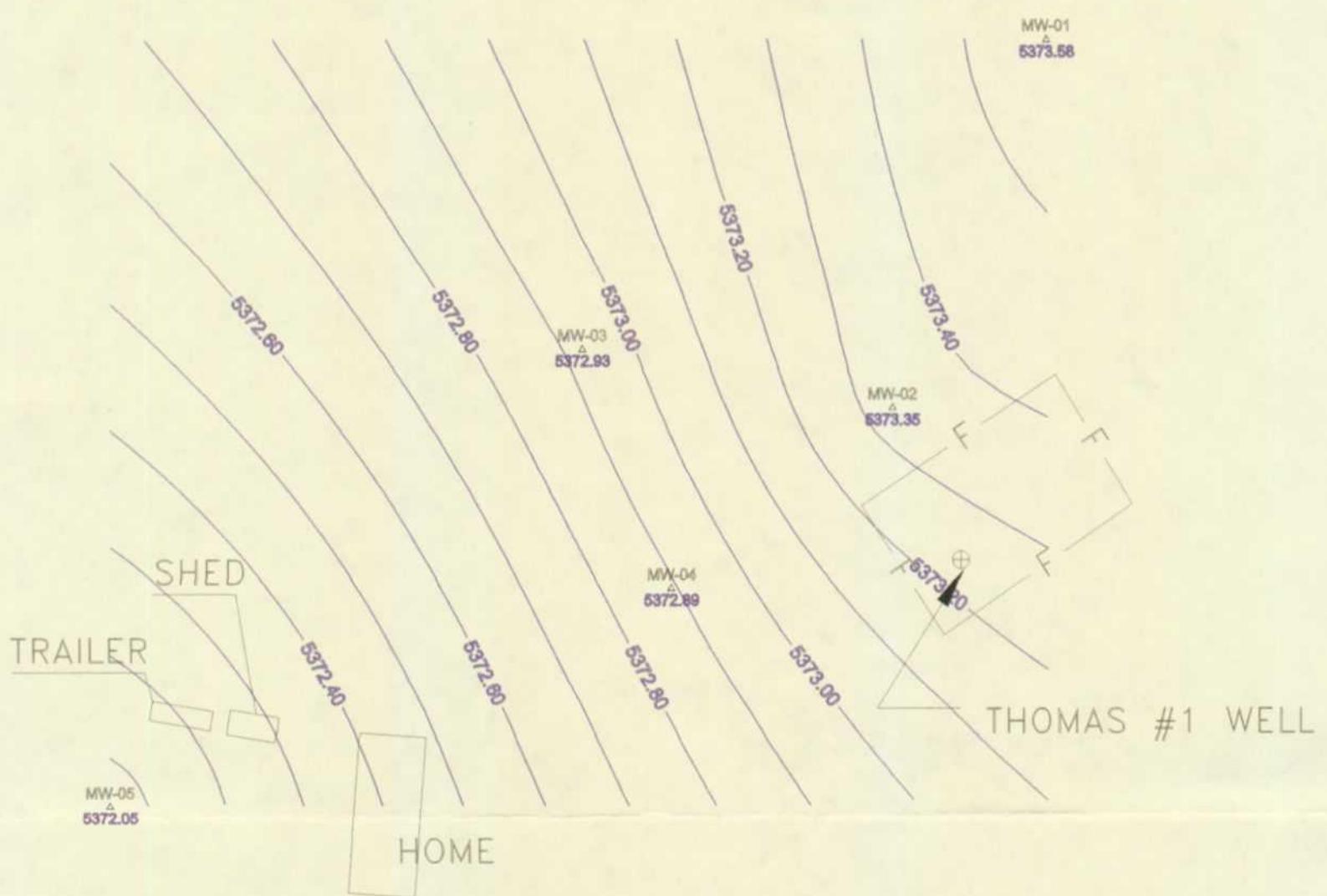
BioTech
REMEDIA
TION

710 EAST 20TH STREET, SUITE 400

FARMINGTON, NEW MEXICO 87401

PHONE 505-327-4965

FAX 505-564-3604



100 0 100 200 300

 GRAPHIC SCALE – FEET



THOMAS NO. 1 WELL
BLOOMFIELD, NM

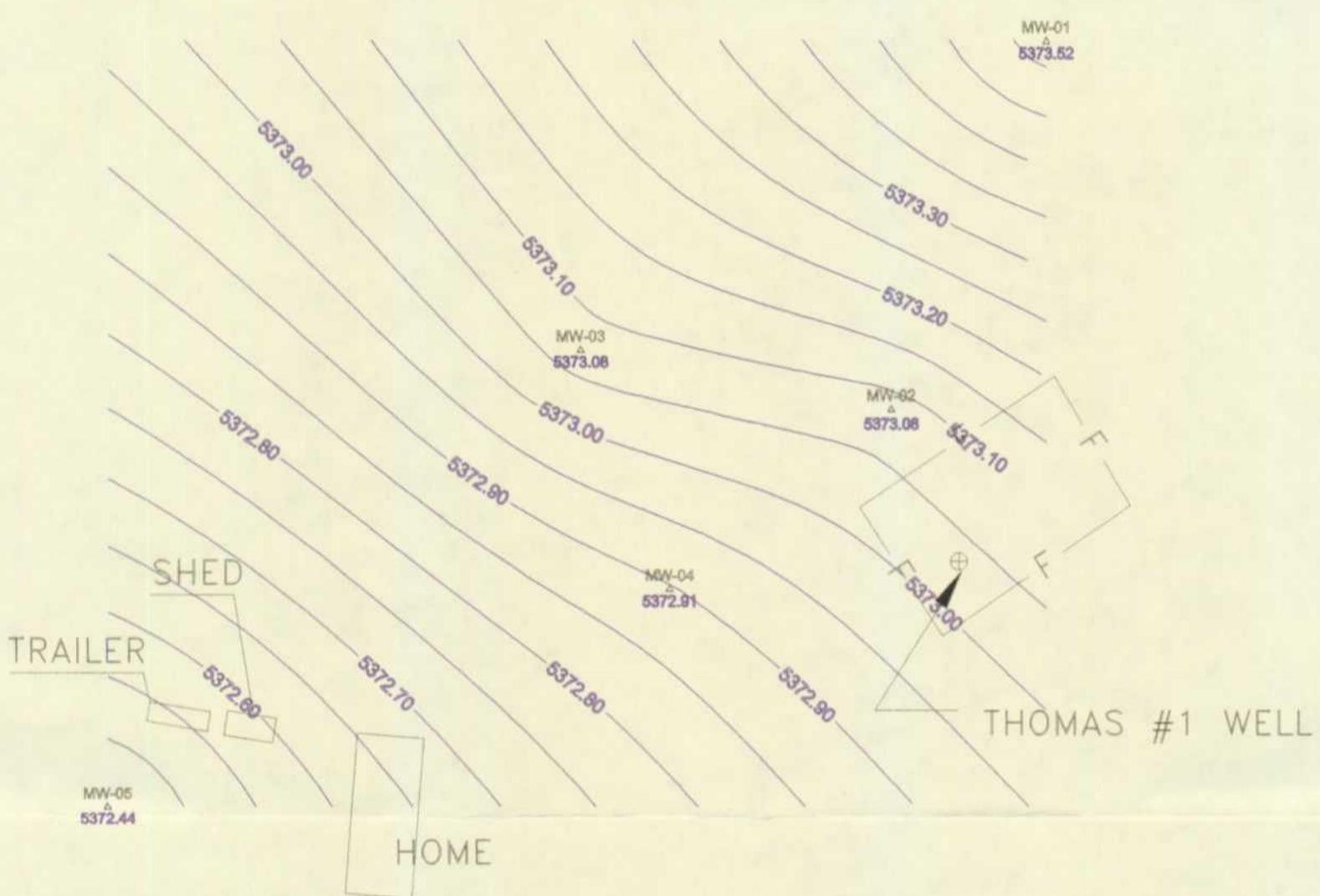
99THO\091399WL

DRAWN BY: K. SINKS

FIGURE 1B
GROUNDWATER
CONTOUR MAP
SEPTEMBER 13, 1999



710 EAST 20TH STREET, SUITE 400
FARMINGTON, NEW MEXICO 87401
PHONE 505-327-4965
FAX 505-564-3604



100 0 100 200 300

 GRAPHIC SCALE - FEET

KEY
 ~ GROUNDWATER
 CONTOUR

THOMAS NO. 1 WELL
 BLOOMFIELD, NM

99THO\012000WL

DRAWN BY: K. SINKS

FIGURE 1C
 GROUNDWATER
 CONTOUR MAP

JANUARY 20, 2000



710 EAST 20TH STREET, SUITE 400
 FARMINGTON, NEW MEXICO 87401
 PHONE 505-327-4965
 FAX 505-564-3604

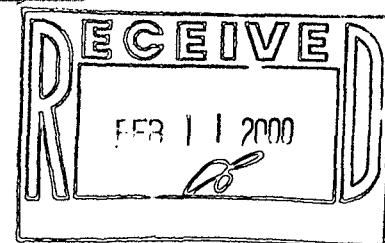
APPENDIX

OFF: (505) 325-5667



LAB: (505) 325-1556

February 09, 2000



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

RE: Thomas Well #1, Clayton Farms

Order No.: 0001024

Dear Terry Griffin,

On Site Technologies, LTD. received 4 samples on 1/20/2000 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 read 'David Cox'.

David Cox



OFF: (505) 325-5667

LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 09-Feb-00

CLIENT: BioTech Remediation, Inc.

Project: Thomas Well #1, Clayton Farms

Lab Order: 0001024

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.



OFF: (505) 325-5667

LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 09-Feb-00

Client:	BioTech Remediation, Inc.	Client Sample Info:	Thomas Well #1, Clayton Farms
Work Order:	0001024	Client Sample ID:	Travel Blank
Lab ID:	0001024-01A	Matrix:	AQUEOUS
Project:	Thomas Well #1, Clayton Farms	Collection Date:	1/20/2000 9:00:00 AM
		COC Record:	10495

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID						
Methyl tert-Butyl Ether	ND	1		µg/L	1	1/24/2000
Benzene	ND	0.5		µg/L	1	1/24/2000
Toluene	ND	0.5		µg/L	1	1/24/2000
Ethylbenzene	ND	0.5		µg/L	1	1/24/2000
m,p-Xylene	ND	1		µg/L	1	1/24/2000
o-Xylene	ND	0.5		µg/L	1	1/24/2000

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 1

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 09-Feb-00

Client:	BioTech Remediation, Inc.	Client Sample Info:	Thomas Well #1, Clayton Farms
Work Order:	0001024	Client Sample ID:	Field Blank
Lab ID:	0001024-02A	Matrix:	AQUEOUS
Project:	Thomas Well #1, Clayton Farms	Collection Date:	1/20/2000 10:25:00 AM
		COC Record:	10495

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID						
Methyl tert-Butyl Ether	ND	1		µg/L	1	1/24/2000
Benzene	ND	0.5		µg/L	1	1/24/2000
Toluene	ND	0.5		µg/L	1	1/24/2000
Ethylbenzene	ND	0.5		µg/L	1	1/24/2000
m,p-Xylene	ND	1		µg/L	1	1/24/2000
o-Xylene	ND	0.5		µg/L	1	1/24/2000

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

1 of 1

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 09-Feb-00

Client:	BioTech Remediation, Inc.	Client Sample Info:	Thomas Well #1, Clayton Farms
Work Order:	0001024	Client Sample ID:	MW-03
Lab ID:	0001024-03A	Matrix:	AQUEOUS
Project:	Thomas Well #1, Clayton Farms	Collection Date:	1/20/2000 12:20:00 PM
		COC Record:	10495

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID						
Methyl tert-Butyl Ether	ND	1		µg/L	1	1/24/2000
Benzene	ND	0.5		µg/L	1	1/24/2000
Toluene	110	0.5		µg/L	1	1/24/2000
Ethylbenzene	31	0.5		µg/L	1	1/24/2000
m,p-Xylene	59	1		µg/L	1	1/24/2000
o-Xylene	36	0.5		µg/L	1	1/24/2000

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

1 of 1

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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 09-Feb-00

Client:	BioTech Remediation, Inc.	Client Sample Info:	Thomas Well #1, Clayton Farms
Work Order:	0001024	Client Sample ID:	MW-02
Lab ID:	0001024-04A	Matrix:	AQUEOUS
Project:	Thomas Well #1, Clayton Farms	Collection Date:	1/20/2000 2:10:00 PM
		COC Record:	10495

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID						
			SW8021B			Analyst: DM
Methyl tert-Butyl Ether	3.3	1		µg/L	1	1/27/2000
Benzene	440	2.5		µg/L	5	1/24/2000
Toluene	ND	2.5		µg/L	5	1/24/2000
Ethylbenzene	130	2.5		µg/L	5	1/24/2000
m,p-Xylene	1600	5		µg/L	5	1/24/2000
o-Xylene	6.7	2.5		µg/L	5	1/24/2000

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 1

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

On Site Technologies, LTD.

CLIENT: BioTech Remediation, Inc.
Work Order: 0001024
Project: Thomas Well #1, Clayton Farms

QC SUMMARY REPORT

Method Blank

Sample ID: MB1	Batch ID: GC-1_000124	Test Code: SW8021B	Units: µg/L	Analysis Date 1/24/2000			Prep Date:			
Client ID:	Run ID: 0001024	GC-1_000124A	SeqNo: 23037	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		Result	PQL	SPK value	SPK Ref Val					J
Ethylbenzene			.1502	0.5						J
m,p-Xylene			.1305	0.5						J
Methyl tert-Butyl Ether			.2985	1						J
o-Xylene			ND	1						J
Toluene			.0937	0.5						J
			.177	0.5						J
Sample ID: MB1	Batch ID: GC-1_000127	Test Code: SW8021B	Units: µg/L	Analysis Date 1/27/2000			Prep Date:			
Client ID:	Run ID: 0001024	GC-1_000127A	SeqNo: 23154	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		Result	PQL	SPK value	SPK Ref Val					J
Ethylbenzene			.0957	0.5						J
m,p-Xylene			.1201	0.5						J
Methyl tert-Butyl Ether			.2381	1						J
o-Xylene			ND	1						J
Toluene			.0984	0.5						J
			.1544	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

Date: 09-Feb-00

On Site Technologies, LTD.

CLIENT: BioTech Remediation, Inc.
Work Order: 0001024
Project: Thomas Well #1, Clayton Farms

Date: 09-Feb-00

QC SUMMARY REPORT

Sample Matrix Spike

Analysis Date 1/24/2000										Prep Date:		
SeqNo: 23038												
Sample ID:	Batch ID:	Test Code:	Units: µg/L							%RPD	RPDLimit	Qual
Client ID:	MW-02	Run ID:	GC-1_000124A									
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC						
Benzene		640.7	2.5	200	440	100.3%				73	126	
Ethylbenzene		325.6	2.5	200	130	97.8%				88	113	
m,p-Xylene		2082	5	400	1600	120.5%				83	112	ES
Methyl tert-Butyl Ether		204.2	5	200	3	100.6%				81	125	
o-Xylene		205.3	2.5	200	6.7	99.3%				93	110	
Toluene		214.3	2.5	200	0	107.1%				76	126	
Analysis Date 1/24/2000										Prep Date:		
Sample ID:	0001024-04AMSD	Batch ID:	GC-1_000124	Test Code:	SW8021B	Units: µg/L						
Client ID:	MW-02	Run ID:	GC-1_000124A									
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC						
Benzene		613.9	2.5	200	440	87.0%				73	126	640.7
Ethylbenzene		312.3	2.5	200	130	91.2%				88	113	325.6
m,p-Xylene		1992	5	400	1600	98.1%				83	112	2082
Methyl tert-Butyl Ether		196	5	200	3	96.5%				81	125	204.2
o-Xylene		197.4	2.5	200	6.7	95.3%				93	110	205.3
Toluene		206.4	2.5	200	0	103.2%				76	126	214.3

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

QC SUMMARY REPORT
Sample Matrix Spike

CLIENT: BioTech Remediation, Inc.
Work Order: 0001024
Project: Thomas Well #1, Clayton Farms

Sample ID: 0001031-01AMSD		Batch ID: GC-1_000127		Test Code: SW8021B		Units: µg/L		Analysis Date: 1/27/2000		Prep Date:					
Client ID:		Run ID: GC-1_000127A		PQL		SPK value		SPK Ref Val		%REC					
Analyte	Result									LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	389	5	400	0.5	0.5	97.1%	73	126	126	389	394.4	88	113	126	S
Ethylbenzene	394.4	5	400	0.5	0.5	98.5%	88	113	113	394.4	752.5	83	112	113	R
m,p-Xylene	752.5	10	800	1	1	93.9%	83	112	112	752.5	399.5	81	125	125	R
Methyl tert-Butyl Ether	399.5	10	400	0	0	99.9%	81	125	125	399.5	395.4	93	110	110	R
o-Xylene	395.4	5	400	0.4	0.4	98.8%	93	110	110	395.4	392.6	76	126	126	R
Toluene	392.6	5	400	0.8	0.8	98.0%	76	126	126	392.6	390.5	76	100	100	R
Sample ID: 0001031-01AMSD		Batch ID: GC-1_000127		Test Code: SW8021B		Units: µg/L		Analysis Date: 1/27/2000		Prep Date:					
Client ID:		Run ID: GC-1_000127A		PQL		SPK value		SPK Ref Val		%REC					
Analyte	Result									LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	392.6	5	400	0.5	0.5	98.0%	73	126	126	389	394.4	88	113	126	S
Ethylbenzene	398.2	5	400	0.5	0.5	99.4%	88	113	113	394.4	760.4	83	112	113	R
m,p-Xylene	760.4	10	800	1	1	94.9%	83	112	112	752.5	408	81	125	125	R
Methyl tert-Butyl Ether	408	10	400	0	0	102.0%	81	125	125	399.5	400.5	93	110	110	R
o-Xylene	400.5	5	400	0.4	0.4	100.0%	93	110	110	395.4	396.5	76	126	126	R
Toluene	396.5	5	400	0.8	0.8	98.9%	76	126	126	392.6	390.5	76	100	100	R

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.

CLIENT: BioTech Remediation, Inc.

SCHOOL FROM WHICH THEY COME

0001024

Thomas Well #1, Clayton Farms

Date: 09-Feb-00

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID: LCS WATER		Batch ID: GC-1_000124		Test Code: SW8021B		Units: µg/L		Analysis Date 1/24/2000		Prep Date:		
Client ID:		0001024		Run ID: GC-1_000124A				SeqNo: 23036				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		40.37	0.5	40	0.1502	100.6%	89	112				
Ethylbenzene		41.09	0.5	40	0.1305	102.4%	93	112				
m,p-Xylene		78.55	1	80	0.2985	97.8%	88	108				
Methyl tert-Butyl Ether		41.08	1	40	0	102.7%	87	115				
o-Xylene		41.24	0.5	40	0.0937	102.9%	93	112				
Toluene		40.75	0.5	40	0.177	101.4%	92	111				
Sample ID: LCS WATER		Batch ID: GC-1_000127		Test Code: SW8021B		Units: µg/L		Analysis Date 1/27/2000		Prep Date:		
Client ID:		0001024		Run ID: GC-1_000127A				SeqNo: 23153				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		40.49	0.5	40	0.0957	101.0%	89	112				
Ethylbenzene		41.11	0.5	40	0.1201	102.5%	93	112				
m,p-Xylene		78.47	1	80	0.2381	97.8%	88	108				
Methyl tert-Butyl Ether		40.58	1	40	0	101.5%	87	115				
o-Xylene		41.19	0.5	40	0.0984	102.7%	93	112				
Toluene		40.84	0.5	40	0.1544	101.7%	92	111				

Qualifiers: ND - Not Detected at the Reporting Limit
1 Anchored hollow concretion limit

S - Spike Recovery outside accepted recovery limits
PDD outside accepted recovery limits

B = Analyte detected in the associated Method Block

On Site Technologies, LTD.

CLIENT: BioTech Remediation, Inc.
Work Order: 0001024
Project: Thomas Well #1, Clayton Farms

Date: 09-Feb-00

QC SUMMARY REPORT

Continuing Calibration Verification Standard

Sample ID: CCV1 BTEX_0001	Batch ID: GC-1_000124	Test Code: SW8021B	Units: µg/L	Analysis Date 1/24/2000			Prep Date:				
Client ID:	Run ID:	GC-1_000124A		SeqNo:	23034						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	20.31	0.5	20	0	101.5%	85	115				
Ethylbenzene	20.9	0.5	20	0	104.5%	85	115				
m,p-Xylene	39.35	1	40	0	98.4%	85	115				
Methyl tert-Butyl Ether	20.79	1	20	0	104.0%	85	115				
o-Xylene	20.88	0.5	20	0	104.4%	85	115				
Toluene	20.33	0.5	20	0	101.7%	85	115				
1,4-Difluorobenzene	89.42	0	100	0	89.4%	80	105				
4-Bromochlorobenzene	87.91	0	100	0	87.9%	78	108				
Fluorobenzene	88.73	0	100	0	88.7%	78	108				
Sample ID: CCV2 BTEX_0001	Batch ID: GC-1_000124	Test Code: SW8021B	Units: µg/L	Analysis Date 1/24/2000			Prep Date:				
Client ID:	Run ID:	GC-1_000124A		SeqNo:	23035						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	19.72	0.5	20	0	98.6%	85	115				
Ethylbenzene	20.31	0.5	20	0	101.6%	85	115				
m,p-Xylene	38.28	1	40	0	95.7%	85	115				
Methyl tert-Butyl Ether	20.63	1	20	0	103.1%	85	115				
o-Xylene	20.36	0.5	20	0	101.8%	85	115				
Toluene	19.8	0.5	20	0	99.0%	85	115				
1,4-Difluorobenzene	89.89	0	100	0	89.9%	80	105				
4-Bromochlorobenzene	88.15	0	100	0	88.2%	78	108				
Fluorobenzene	88.74	0	100	0	88.7%	78	108				

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: 0001024
Project: Thomas Well #1, Clayton Farms

QC SUMMARY REPORT
 Continuing Calibration Verification Standard

Sample ID: CCV1 BTEX_0001		Batch ID: GC-1_000127		Test Code: SW8021B		Units: µg/L		Analysis Date: 1/27/2000		Prep Date:					
Client ID:		Run ID:		GC-1_000127A		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Analyte	Result														
Benzene	20.4	0.5	20	0	102.0%	85	115								
Ethylbenzene	21.74	0.5	20	0	108.7%	85	115								
m,p-Xylene	40.96	1	40	0	102.4%	85	115								
Methyl tert-Butyl Ether	20.92	1	20	0	104.6%	85	115								
o-Xylene	21.71	0.5	20	0	108.5%	85	115								
Toluene	20.71	0.5	20	0	103.5%	85	115								
1,4-Difluorobenzene	88.81	0	100	0	88.8%	80	105								
4-Bromochlorobenzene	88.76	0	100	0	88.8%	78	108								
Fluorobenzene	88.02	0	100	0	88.0%	78	108								
Sample ID: CCV2 BTEX_0001		Batch ID: GC-1_000127		Test Code: SW8021B		Units: µg/L		Analysis Date: 1/27/2000		Prep Date:					
Client ID:		Run ID:		GC-1_000127A		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Analyte	Result														
Benzene	19.8	0.5	20	0	99.0%	85	115								
Ethylbenzene	21.07	0.5	20	0	105.4%	85	115								
m,p-Xylene	39.76	1	40	0	99.4%	85	115								
Methyl tert-Butyl Ether	21.12	1	20	0	105.6%	85	115								
o-Xylene	21.2	0.5	20	0	106.0%	85	115								
Toluene	20.16	0.5	20	0	100.8%	85	115								
1,4-Difluorobenzene	89.42	0	100	0	89.4%	80	105								
4-Bromochlorobenzene	88.98	0	100	0	89.0%	78	108								
Fluorobenzene	87.84	0	100	0	87.8%	78	108								

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

QC SUMMARY REPORT
Continuing Calibration Verification Standard

CLIENT: BioTech Remediation, Inc.
Work Order: 0001024
Project: Thomas Well #1, Clayton Farms

Sample ID:	CCV3 BTEX_0001	Batch ID:	GC-1_000127	Test Code:	SW8021B	Units:	µg/L	Analysis Date	1/27/2000	Prep Date:		
Client ID:			Run ID:	GC-1_000127A				SeqNo:	23152			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		20.65	0.5	20	0	103.2%	85	115				
Ethylbenzene		21.36	0.5	20	0	106.8%	85	115				
m,p-Xylene		40.43	1	40	0	101.1%	85	115				
Methyl tert-Butyl Ether		20.69	1	20	0	103.5%	85	115				
o-Xylene		21.26	0.5	20	0	106.3%	85	115				
Toluene		20.93	0.5	20	0	104.7%	85	115				
1,4-Difluorobenzene		89.12	0	100	0	89.1%	80	105				
4-Bromochlorobenzene		88.52	0	100	0	88.5%	78	108				
Fluorobenzene		88.09	0	100	0	88.1%	78	108				

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: 09-Feb-00

CLIENT: BioTech Remediation, Inc.

Work Order: 0001024

Project: Thomas Well #1, Clayton Farms

Test No: SW8021B

**QC SUMMARY REPORT
SURROGATE RECOVERIES**

Aromatic Volatiles by GC/PID

Sample ID	14FBZ	4BCBZ	FLBZ					
0001023-01A	90.3	87.7	89.2					
0001023-02A	87.4	85.2	88					
0001023-03A	89.5	87.7	89.5					
0001023-04A	89.8	87.8	89.7					
0001023-05A	87.1	84.7	87.3					
0001024-01A	90.1	87.9	89.5					
0001024-02A	90.3	88.1	89.2					
0001024-03A	85.2	83.9	85.8					
0001024-04A	83.7	82.5	83.1					
0001024-04AMS	86	87.4	85					
0001024-04AMSD	85.8	87.3	85.1					
0001028-03A	89.7	88.5	88.5					
0001028-04A	89.2	88.3	88.3					
0001030-01A	87.5	88.4	86.6					
0001030-03A	85.7	88.4	85.3					
0001030-04A	81	88	81.7					
0001031-01AMS	88.4	88.4	87.6					
0001031-01AMSD	88.8	89.3	87.5					
0001031-02A	89.1	89.5	88.5					
0001031-03A	85.6	83.3	89					
0001031-04A	86.6	87.8	86.3					
0001031-05A	89.6	88.7	88.8					
0001031-06A	88.6	86.4	88.4					
0001031-07A	89.8	88.9	89.2					
0001031-08A	90.4	89.4	88.7					
0001031-09A	87.2	88.6	87.6					
CCV1_BTEX_00010	88.8	88.8	88					

Acronym	Surrogate	QC Limits
14FBZ	= 1,4-Difluorobenzene	80-105
4BCBZ	= 4-Bromochlorobenzene	78-108
FLBZ	= Fluorobenzene	78-108

CLIENT: BioTech Remediation, Inc.
Work Order: 0001024
Project: Thomas Well #1, Clayton Farms
Test No: SW8021B

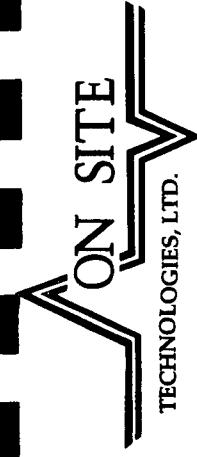
QC SUMMARY REPORT
SURROGATE RECOVERIES
Aromatic Volatiles by GC/PID

Sample ID **14FBZ** **4BCBZ** **FLBZ**

CCV2 BTEX_00010	89.4	89	87.8						
CCV3 BTEX_00010	89.1	88.5	88.1						
LCS WATER	88.8	88.4	87.4						
MB1	89.6	87.9	89						

Acronym	Surrogate	QC Limits
14FBZ	= 1,4-Difluorobenzene	80-105
4BCBZ	= 4-Bromochlorobenzene	78-108
FLBZ	= Fluorobenzene	78-108

* Surrogate recovery outside acceptance limits



CHAIN OF CUSTODY RECORD

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

TECHNOLOGIES, LTD.

OFF: (505) 325-5667



SEP 27 1999

OF

LAB: (505) 325-1556

September 21, 1999

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

RE: Thomas #1 Well; Bloomfield, NM

Order No.: 9909041

Dear Terry Griffin,

On Site Technologies, LTD. received 4 samples on 9/13/99 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 read "David Cox".

David Cox

OFF: (505) 325-5667

LAB: (505) 325-1556



On Site Technologies, LTD.

Date: 21-Sep-99

CLIENT: BioTech Remediation, Inc.
Project: Thomas #1 Well; Bloomfield, NM
Lab Order: 9909041

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.

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 21-Sep-99

Client:	BioTech Remediation, Inc.	Client Sample Info:	Thomas #1 Well
Work Order:	9909041	Client Sample ID:	Travel Blank
Lab ID:	9909041-01A	Matrix:	AQUEOUS
Project:	Thomas #1 Well; Bloomfield, NM	Collection Date:	09/13/1999 12:00:00 PM
		COC Record:	5371

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID						
			SW8021B			Analyst: HR
Benzene	ND	0.5		µg/L	1	09/14/1999
Toluene	ND	0.5		µg/L	1	09/14/1999
Ethylbenzene	ND	0.5		µg/L	1	09/14/1999
m,p-Xylene	ND	1		µg/L	1	09/14/1999
o-Xylene	ND	0.5		µg/L	1	09/14/1999

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

1 of 1

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 21-Sep-99

Client:	BioTech Remediation, Inc.	Client Sample Info:	Thomas #1 Well
Work Order:	9909041	Client Sample ID:	MW-2
Lab ID:	9909041-02A	Collection Date:	09/13/1999 1:59:00 PM
Project:	Thomas #1 Well; Bloomfield, NM	COC Record:	5371

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID						
			SW8021B			Analyst: DM
Benzene	340	2.5		µg/L	5	09/20/1999
Toluene	20	2.5		µg/L	5	09/20/1999
Ethylbenzene	110	2.5		µg/L	5	09/20/1999
m,p-Xylene	1400	5		µg/L	5	09/20/1999
o-Xylene	3.3	2.5		µg/L	5	09/20/1999

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 1

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 21-Sep-99

Client:	BioTech Remediation, Inc.	Client Sample Info:	Thomas #1 Well
Work Order:	9909041	Client Sample ID:	Field Blank
Lab ID:	9909041-03A	Collection Date:	09/13/1999 2:00:00 PM
Project:	Thomas #1 Well; Bloomfield, NM	COC Record:	5371

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID						
		SW8021B				Analyst: HR
Benzene	ND	0.5		µg/L	1	09/14/1999
Toluene	ND	0.5		µg/L	1	09/14/1999
Ethylbenzene	ND	0.5		µg/L	1	09/14/1999
m,p-Xylene	ND	1		µg/L	1	09/14/1999
o-Xylene	ND	0.5		µg/L	1	09/14/1999

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 1

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 21-Sep-99

Client:	BioTech Remediation, Inc.	Client Sample Info:	Thomas #1 Well
Work Order:	9909041	Client Sample ID:	MW-3
Lab ID:	9909041-04A	Collection Date:	09/13/1999 2:25:00 PM
Project:	Thomas #1 Well; Bloomfield, NM	COC Record:	5371

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID						
			SW8021B			Analyst: HR
Benzene	5.8	0.5		µg/L	1	09/14/1999
Toluene	4	0.5		µg/L	1	09/14/1999
Ethylbenzene	8.6	0.5		µg/L	1	09/14/1999
m,p-Xylene	13	1		µg/L	1	09/14/1999
o-Xylene	3.5	0.5		µg/L	1	09/14/1999

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 1

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

On Site Technologies, LTD.

CLIENT: BioTech Remediation, Inc.
Work Order: 9909041
Project: Thomas #1 Well; Bloomfield, NM

Date: 21-Sep-99

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: 9909035-24AMS	Batch ID: GC-1_990914	Test Code: SW8021B	Units: µg/L	Analysis Date: 9/14/99			Prep Date:				
Client ID: 9909041	Run ID: GC-1_990914A			SeqNo:	19508						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	2496	10	800	1774	90.2%	80	116				
Ethylbenzene	1971	10	800	1215	94.5%	80	118				
m,p-Xylene	5264	20	1600	3764	93.8%	77	116				
Methyl tert-Butyl Ether	1032	20	800	361.1	83.9%	62	122				
o-Xylene	1955	10	800	1186	96.2%	83	117				
Toluene	6919	10	800	6123	99.5%	80	116				E
Sample ID: 9909035-24AMSD	Batch ID: GC-1_990914	Test Code: SW8021B	Units: µg/L	Analysis Date: 9/14/99			Prep Date:				
Client ID: 9909041	Run ID: GC-1_990914A			SeqNo:	19509						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	2543	10	800	1800	92.9%	80	116	2496	1.9%	7	
Ethylbenzene	2008	10	800	1200	101.0%	80	118	1971	1.9%	7	
m,p-Xylene	5367	20	1600	3800	97.9%	77	116	5264	1.9%	7	
Methyl tert-Butyl Ether	998.5	20	800	360	79.8%	62	122	1032	3.3%	7	
o-Xylene	1986	10	800	1200	98.2%	83	117	1955	1.6%	6	
Toluene	7010	10	800	6100	113.8%	80	116	6919	1.3%	6	E

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank

Date: 21-Sep-99

1 of 2

CLIENT: BioTech Remediation, Inc.
Work Order: 9909041
Project: Thomas #1 Well; Bloomfield, NM

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: 9909035-22AMSD		Batch ID: GC-1_990920		Test Code: SW8021B		Units: µg/L		Analysis Date: 9/20/99		Prep Date:					
Client ID:		9909041		Run ID:	GC-1_990920A	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	945.4	5	400	600.5	86.2%	80	116								
Ethylbenzene	415.9	5	400	20.78	98.8%	80	118								
m,p-Xylene	749	10	800	5.711	92.9%	77	116								
Methyl tert-Butyl Ether	494.3	10	400	73.44	105.2%	62	122								
o-Xylene	397.6	5	400	1.036	99.1%	83	117								
Toluene	400	5	400	1.024	99.8%	80	116								
Sample ID: 9909035-22AMSD		Batch ID: GC-1_990920		Test Code: SW8021B		Units: µg/L		Analysis Date: 9/20/99		Prep Date:					
Client ID:		9909041		Run ID:	GC-1_990920A	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	928.3	5	400	600.5	81.9%	80	116								
Ethylbenzene	408.6	5	400	20.78	97.0%	80	118								
m,p-Xylene	736.8	10	800	5.711	91.4%	77	116								
Methyl tert-Butyl Ether	498.1	10	400	73.44	106.2%	62	122								
o-Xylene	393.2	5	400	1.036	98.1%	83	117								
Toluene	393.8	5	400	1.024	98.2%	80	116								

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.

CLIENT: BioTech Remediation, Inc.

Work Order: 9909041

Project: Thomas #1 Well; Bloomfield, NM

Date: 21-Sep-99

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID: LCS WATER	Batch ID: GC-1_990914	Test Code: SW8021B	Units: µg/L	Analysis Date: 9/14/99			Prep Date:		
Client ID:	9909041	Run ID: GC-1_990914A		SeqNo:	19506				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD
Benzene	40.27	0.5	40	0.0446	100.6%	87	119		
Ethylbenzene	41.1	0.5	40	0	102.7%	89	117		
m,p-Xylene	77.2	1	80	0	96.5%	88	114		
Methyl tert-Butyl Ether	41.27	1	40	0	103.2%	69	129		
o-Xylene	41.04	0.5	40	0	102.6%	90	116		
Toluene	40.67	0.5	40	0.1364	101.3%	90	115		
Sample ID: LCS WATER	Batch ID: GC-1_990920	Test Code: SW8021B	Units: µg/L	Analysis Date: 9/20/99			Prep Date:		
Client ID:	9909041	Run ID: GC-1_990920A		SeqNo:	19775				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD
Benzene	40.58	0.5	40	0.1348	101.1%	87	119		
Ethylbenzene	40.67	0.5	40	0.1017	101.4%	89	117		
m,p-Xylene	75.85	1	80	0.1836	94.6%	88	114		
Methyl tert-Butyl Ether	40.49	1	40	0	101.2%	69	129		
o-Xylene	40.31	0.5	40	0.0895	100.5%	90	116		
Toluene	40.45	0.5	40	0.1756	100.7%	90	115		

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.

CLIENT: BioTech Remediation, Inc.

Work Order: 9909041

Project: Thomas #1 Well; Bloomfield, NM

Date: 21-Sep-99

QC SUMMARY REPORT

Continuing Calibration Verification Standard

Sample ID: CCV1 BTEX_9906	Batch ID: GC-1_990914	Test Code: SW8021B	Units: µg/L	Analysis Date: 9/14/99			Prep Date:				
Client ID: 9909041	Run ID: GC-1_990914A	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	20.11	0.5	20	0	100.6%	85	115				
Ethylbenzene	20.47	0.5	20	0	102.4%	85	115				
m,p-Xylene	38.52	1	40	0	96.3%	85	115				
Methyl tert-Butyl Ether	20.42	1	20	0	102.1%	85	115				
o-Xylene	20.44	0.5	20	0	102.2%	85	115				
Toluene	20.16	0.5	20	0	100.8%	85	115				
1,4-Difluorobenzene	89.02	0	100	0	89.0%	80	120				
4-Bromochlorobenzene	89.72	0	100	0	89.7%	80	120				
Fluorobenzene	87.84	0	100	0	87.8%	80	120				
Sample ID: CCV2 BTEX_9906	Batch ID: GC-1_990914	Test Code: SW8021B	Units: µg/L	Analysis Date: 9/14/99			Prep Date:				
Client ID: 9909041	Run ID: GC-1_990914A	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	20.54	0.5	20	0	102.7%	85	115				
Ethylbenzene	20.98	0.5	20	0	104.9%	85	115				
m,p-Xylene	39.5	1	40	0	98.7%	85	115				
Methyl tert-Butyl Ether	20.52	1	20	0	102.6%	85	115				
o-Xylene	20.93	0.5	20	0	104.7%	85	115				
Toluene	20.72	0.5	20	0	103.6%	85	115				
1,4-Difluorobenzene	89.01	0	100	0	89.0%	80	120				
4-Bromochlorobenzene	89.95	0	100	0	90.0%	80	120				
Fluorobenzene	87.79	0	100	0	87.8%	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

CLIENT: Bio Tech Remediation, Inc.
Work Order: 9909041
Project: Thomas #1 Well; Bloomfield, NM

QC SUMMARY REPORT
Continuing Calibration Verification Standard

Sample ID: CCV3 BTEX_9906		Batch ID: GC-1_990914	Test Code: SW8021B	Units: µg/L	Analysis Date: 9/14/99		Prep Date:					
Client ID:	9909041	Run ID:	GC-1_990914A		SeqNo:	19504						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		39.32	0.5	40	0	98.3%	85	115				
Ethylbenzene		39.87	0.5	40	0	99.7%	85	115				
m,p-Xylene		74.83	1	80	0	93.5%	85	115				
Methyl tert-Butyl Ether		41.42	1	40	0	103.6%	85	115				
o-Xylene		40.13	0.5	40	0	100.3%	85	115				
Toluene		39.66	0.5	40	0	99.1%	85	115				
1,4-Difluorobenzene		88.79	0	100	0	88.8%	80	120				
4-Bromochlorobenzene		89.54	0	100	0	89.5%	80	120				
Fluorobenzene		87	0	100	0	87.0%	80	120				
Sample ID: CCV4 BTEX_9906		Batch ID: GC-1_990914	Test Code: SW8021B	Units: µg/L	Analysis Date: 9/14/99		Prep Date:					
Client ID:	9909041	Run ID:	GC-1_990914A		SeqNo:	19505						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		39	0.5	40	0	97.5%	85	115				
Ethylbenzene		40.06	0.5	40	0	100.1%	85	115				
m,p-Xylene		74.86	1	80	0	93.6%	85	115				
Methyl tert-Butyl Ether		41.34	1	40	0	103.4%	85	115				
o-Xylene		40.41	0.5	40	0	101.0%	85	115				
Toluene		39.73	0.5	40	0	99.3%	85	115				
1,4-Difluorobenzene		88.73	0	100	0	88.7%	80	120				
4-Bromochlorobenzene		88.82	0	100	0	88.8%	80	120				
Fluorobenzene		87.03	0	100	0	87.0%	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

CLIENT: BioTech Remediation, Inc.
Work Order: 9909041
Project: Thomas #1 Well; Bloomfield, NM

QC SUMMARY REPORT
Continuing Calibration Verification Standard

Sample ID: CCV1 BTEX_9906		Batch ID: GC-1_990920		Test Code: SW8021B		Units: µg/L		Analysis Date: 9/20/99		Prep Date:			
Client ID:	Run ID:	GC-1_990920A		SeqNo:	19772		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Analyte	Result	PQL	SPK value	SPK Ref Val									
Benzene	21.41	0.5	20	0	107.1%	85	115						
Ethylbenzene	21.58	0.5	20	0	107.9%	85	115						
m,p-Xylene	40.41	1	40	0	101.0%	85	115						
Methyl tert-Butyl Ether	21.27	1	20	0	106.4%	85	115						
o-Xylene	21.38	0.5	20	0	106.9%	85	115						
Toluene	21.23	0.5	20	0	106.1%	85	115						
1,4-Difluorobenzene	93.75	0	100	0	93.8%	80	120						
4-Bromochlorobenzene	93.41	0	100	0	93.4%	80	120						
Fluorobenzene	92	0	100	0	92.0%	80	120						
Sample ID: CCV2 BTEX_9906		Batch ID: GC-1_990920		Test Code: SW8021B		Units: µg/L		Analysis Date: 9/20/99		Prep Date:			
Client ID:	Run ID:	GC-1_990920A		SeqNo:	19773		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Analyte	Result	PQL	SPK value	SPK Ref Val									
Benzene	20.2	0.5	20	0	101.0%	85	115						
Ethylbenzene	20.39	0.5	20	0	101.9%	85	115						
m,p-Xylene	38.38	1	40	0	95.9%	85	115						
Methyl tert-Butyl Ether	21.36	1	20	0	106.8%	85	115						
o-Xylene	20.42	0.5	20	0	102.1%	85	115						
Toluene	20.2	0.5	20	0	101.0%	85	115						
1,4-Difluorobenzene	93.99	0	100	0	94.0%	80	120						
4-Bromochlorobenzene	88.76	0	100	0	88.8%	80	120						
Fluorobenzene	92.64	0	100	0	92.6%	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

CLIENT: Bio Tech Remediation, Inc.
Work Order: 9909041
Project: Thomas #1 Well; Bloomfield, NM

QC SUMMARY REPORT
Continuing Calibration Verification Standard

Sample ID:	CCV3_BTEX_9906	Batch ID:	GC-1_990920	Test Code:	SW8021B	Units: µg/L						
Client ID:			9909041	Run ID:	GC-1_990920A							
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene		20.04	0.5	20	0	100.2%	85	115				
Ethylbenzene		20.37	0.5	20	0	101.9%	85	115				
m,p-Xylene		38.48	1	40	0	96.2%	85	115				
Methyl tert-Butyl Ether		20.26	1	20	0	101.3%	85	115				
o-Xylene		21.01	0.5	20	0	105.0%	85	115				
Toluene		20.24	0.5	20	0	101.2%	85	115				
1,4-Difluorobenzene		94.52	0	100	0	94.5%	80	120				
4-Bromochlorobenzene		86.54	0	100	0	86.5%	80	120				
Fluorobenzene		92.63	0	100	0	92.6%	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: 21-Sep-99

CLIENT: BioTech Remediation, Inc.

Work Order: 9909041

Project: Thomas #1 Well; Bloomfield, NM

Test No: SW8021B

**QC SUMMARY REPORT
SURROGATE RECOVERIES**

Aromatic Volatiles by GC/PID

Sample ID	14FBZ	4BCBZ	FLBZ						
9909015-01A	90.7	91.8	90.2						
9909023-01A	89.5	89.6	88.4						
9909028-01A	87.4	87.8	87.2						
9909035-17A	89.8	90.2	88.7						
9909035-18A	85.5	88.4	85.2						
9909035-19A	89.1	91.5	88.6						
9909035-20A	89.7	89.8	89.3						
9909035-21A	86.6	89.9	85.5						
9909035-22A	91.9	91.7	90.4						
9909035-22AMS	92.4	90.6	90.8						
9909035-22AMSD	92.6	90.6	91.1						
9909035-23A	89.9	90.3	88.7						
9909035-24A	93.4	85.9	92.2						
9909035-24AMS	87.2	91.1	84.9						
9909035-24AMSD	87.4	91	84.9						
9909035-25A	87.7	88.2	88						
9909036-01A	89.8	90.3	88.7						
9909037-01A	90.2	90	88.7						
9909038-01A	89.2	89.7	88.4						
9909041-01A	89.4	90	89						
9909041-02A	90.8	84.8	89.9						
9909041-03A	89.4	90.2	89						
9909041-04A	71.8 *	71.8 *	71.2 *						
9909042-01B	94.5	93.8	93.1						
9909042-02B	94	92.5	92.8						
9909042-03B	93.5	91.3	93.7						
9909042-04B	94.1	92.2	93.5						

Acronym	Surrogate	QC Limits
14FBZ	= 1,4-Difluorobenzene	80-120
4BCBZ	= 4-Bromochlorobenzene	80-120
FLBZ	= Fluorobenzene	80-120

* Surrogate recovery outside acceptance limits

CLIENT: BioTech Remediation, Inc.
Work Order: 9909041
Project: Thomas #1 Well; Bloomfield, NM
Test No: SW8021B

QC SUMMARY REPORT
SURROGATE RECOVERIES
Aromatic Volatiles by GC/PID

Sample ID	14FBZ	4BCBZ	FLBZ						
9909042-05B	94.2	91.4	93.4						
9909046-01A	94.1	89.5	92.3						
9909047-01A	91.7	81.8	92.6						
9909048-01A	94.7	91.2	93.5						
9909048-02A	95.2	91.3	93.7						
9909048-03A	94.2	92.2	93.5						
9909049-01B	96.1	86.8	94.4						
9909054-01A	94.3	87.9	93						
9909054-02A	94.7	88.7	93.8						
9909054-03A	95.1	89.6	94						
9909054-04A	95.3	88.5	94.4						
9909054-05A	94.8	85.8	93.2						
CCV1 BTEX_99061	93.8	93.4	92						
CCV2 BTEX_99061	94	88.8	92.6						
CCV3 BTEX_99061	94.5	86.5	92.6						
CCV4 BTEX_99061	88.7	88.8	87						
LCS WATER	93	93.5	91.4						
MB1	94.2	93.1	93						

Acronym	Surrogate	QC Limits
14FBZ	= 1,4-Difluorobenzene	80-120
4BCBZ	= 4-Bromochlorobenzene	80-120
FLBZ	= Fluorobenzene	80-120

* Surrogate recovery outside acceptance limits

ON SITE

TECHNOLOGIES, LTD.

657 W. Maple • P. O. Box 2606 • Farmington NM 87499
LAB: (505) 325-5667 • FAX: (505) 325-6256

CHAIN OF CUSTODY RECORD

Date: 7/15/99

Page 1 of 1

Purchase Order No.: <u>123-4567</u>		Job No.: <u>123456</u>	Name _____	Title _____	
Name _____		Dept. _____	Company _____	REPOORT Company _____	
Address _____		City, State, Zip _____	Mailing Address _____	RESULTS TO _____	
City, State, Zip _____		Telephone No. _____	City, State, Zip _____	Telephone No. _____	
Sampling Location: <u>123 Main Street, Farmington, NM</u>		ANALYSIS REQUESTED			
Sampler: <u>J. Smith</u>		Number of Containers _____			
SAMPLE IDENTIFICATION		SAMPLE DATE	TIME	MATRIX PRES.	LAB ID
<u>1. Soil Sample</u>	<u>123456</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Soil</u>	<u>123456</u>
<u>2. Water Sample</u>	<u>123457</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Water</u>	<u>123457</u>
<u>3. Air Sample</u>	<u>123458</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Air</u>	<u>123458</u>
<u>4. Sediment Sample</u>	<u>123459</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Sediment</u>	<u>123459</u>
<u>5. Surface Water Sample</u>	<u>123460</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Water</u>	<u>123460</u>
<u>6. Groundwater Sample</u>	<u>123461</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Groundwater</u>	<u>123461</u>
<u>7. Indoor Air Sample</u>	<u>123462</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Indoor Air</u>	<u>123462</u>
<u>8. Surface Soil Sample</u>	<u>123463</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Soil</u>	<u>123463</u>
<u>9. Deep Soil Sample</u>	<u>123464</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Soil</u>	<u>123464</u>
<u>10. Surface Sediment Sample</u>	<u>123465</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Sediment</u>	<u>123465</u>
<u>11. Deep Sediment Sample</u>	<u>123466</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Sediment</u>	<u>123466</u>
<u>12. Surface Water Sample</u>	<u>123467</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Water</u>	<u>123467</u>
<u>13. Deep Water Sample</u>	<u>123468</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Water</u>	<u>123468</u>
<u>14. Surface Air Sample</u>	<u>123469</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Air</u>	<u>123469</u>
<u>15. Deep Air Sample</u>	<u>123470</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Air</u>	<u>123470</u>
<u>16. Surface Soil Sample</u>	<u>123471</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Soil</u>	<u>123471</u>
<u>17. Deep Soil Sample</u>	<u>123472</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Soil</u>	<u>123472</u>
<u>18. Surface Sediment Sample</u>	<u>123473</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Sediment</u>	<u>123473</u>
<u>19. Deep Sediment Sample</u>	<u>123474</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Sediment</u>	<u>123474</u>
<u>20. Surface Water Sample</u>	<u>123475</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Water</u>	<u>123475</u>
<u>21. Deep Water Sample</u>	<u>123476</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Water</u>	<u>123476</u>
<u>22. Surface Air Sample</u>	<u>123477</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Air</u>	<u>123477</u>
<u>23. Deep Air Sample</u>	<u>123478</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Air</u>	<u>123478</u>
<u>24. Surface Soil Sample</u>	<u>123479</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Soil</u>	<u>123479</u>
<u>25. Deep Soil Sample</u>	<u>123480</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Soil</u>	<u>123480</u>
<u>26. Surface Sediment Sample</u>	<u>123481</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Sediment</u>	<u>123481</u>
<u>27. Deep Sediment Sample</u>	<u>123482</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Sediment</u>	<u>123482</u>
<u>28. Surface Water Sample</u>	<u>123483</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Water</u>	<u>123483</u>
<u>29. Deep Water Sample</u>	<u>123484</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Water</u>	<u>123484</u>
<u>30. Surface Air Sample</u>	<u>123485</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Air</u>	<u>123485</u>
<u>31. Deep Air Sample</u>	<u>123486</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Air</u>	<u>123486</u>
<u>32. Surface Soil Sample</u>	<u>123487</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Soil</u>	<u>123487</u>
<u>33. Deep Soil Sample</u>	<u>123488</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Soil</u>	<u>123488</u>
<u>34. Surface Sediment Sample</u>	<u>123489</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Sediment</u>	<u>123489</u>
<u>35. Deep Sediment Sample</u>	<u>123490</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Sediment</u>	<u>123490</u>
<u>36. Surface Water Sample</u>	<u>123491</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Water</u>	<u>123491</u>
<u>37. Deep Water Sample</u>	<u>123492</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Water</u>	<u>123492</u>
<u>38. Surface Air Sample</u>	<u>123493</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Air</u>	<u>123493</u>
<u>39. Deep Air Sample</u>	<u>123494</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Air</u>	<u>123494</u>
<u>40. Surface Soil Sample</u>	<u>123495</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Soil</u>	<u>123495</u>
<u>41. Deep Soil Sample</u>	<u>123496</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Soil</u>	<u>123496</u>
<u>42. Surface Sediment Sample</u>	<u>123497</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Sediment</u>	<u>123497</u>
<u>43. Deep Sediment Sample</u>	<u>123498</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Sediment</u>	<u>123498</u>
<u>44. Surface Water Sample</u>	<u>123499</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Water</u>	<u>123499</u>
<u>45. Deep Water Sample</u>	<u>123500</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Water</u>	<u>123500</u>
<u>46. Surface Air Sample</u>	<u>123501</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Air</u>	<u>123501</u>
<u>47. Deep Air Sample</u>	<u>123502</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Air</u>	<u>123502</u>
<u>48. Surface Soil Sample</u>	<u>123503</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Soil</u>	<u>123503</u>
<u>49. Deep Soil Sample</u>	<u>123504</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Soil</u>	<u>123504</u>
<u>50. Surface Sediment Sample</u>	<u>123505</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Sediment</u>	<u>123505</u>
<u>51. Deep Sediment Sample</u>	<u>123506</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Sediment</u>	<u>123506</u>
<u>52. Surface Water Sample</u>	<u>123507</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Water</u>	<u>123507</u>
<u>53. Deep Water Sample</u>	<u>123508</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Water</u>	<u>123508</u>
<u>54. Surface Air Sample</u>	<u>123509</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Air</u>	<u>123509</u>
<u>55. Deep Air Sample</u>	<u>123510</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Air</u>	<u>123510</u>
<u>56. Surface Soil Sample</u>	<u>123511</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Soil</u>	<u>123511</u>
<u>57. Deep Soil Sample</u>	<u>123512</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Soil</u>	<u>123512</u>
<u>58. Surface Sediment Sample</u>	<u>123513</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Sediment</u>	<u>123513</u>
<u>59. Deep Sediment Sample</u>	<u>123514</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Sediment</u>	<u>123514</u>
<u>60. Surface Water Sample</u>	<u>123515</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Water</u>	<u>123515</u>
<u>61. Deep Water Sample</u>	<u>123516</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Water</u>	<u>123516</u>
<u>62. Surface Air Sample</u>	<u>123517</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Air</u>	<u>123517</u>
<u>63. Deep Air Sample</u>	<u>123518</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Air</u>	<u>123518</u>
<u>64. Surface Soil Sample</u>	<u>123519</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Soil</u>	<u>123519</u>
<u>65. Deep Soil Sample</u>	<u>123520</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Soil</u>	<u>123520</u>
<u>66. Surface Sediment Sample</u>	<u>123521</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Sediment</u>	<u>123521</u>
<u>67. Deep Sediment Sample</u>	<u>123522</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Sediment</u>	<u>123522</u>
<u>68. Surface Water Sample</u>	<u>123523</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Water</u>	<u>123523</u>
<u>69. Deep Water Sample</u>	<u>123524</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Water</u>	<u>123524</u>
<u>70. Surface Air Sample</u>	<u>123525</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Air</u>	<u>123525</u>
<u>71. Deep Air Sample</u>	<u>123526</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Air</u>	<u>123526</u>
<u>72. Surface Soil Sample</u>	<u>123527</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Soil</u>	<u>123527</u>
<u>73. Deep Soil Sample</u>	<u>123528</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Soil</u>	<u>123528</u>
<u>74. Surface Sediment Sample</u>	<u>123529</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Sediment</u>	<u>123529</u>
<u>75. Deep Sediment Sample</u>	<u>123530</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Sediment</u>	<u>123530</u>
<u>76. Surface Water Sample</u>	<u>123531</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Water</u>	<u>123531</u>
<u>77. Deep Water Sample</u>	<u>123532</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Water</u>	<u>123532</u>
<u>78. Surface Air Sample</u>	<u>123533</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Air</u>	<u>123533</u>
<u>79. Deep Air Sample</u>	<u>123534</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Air</u>	<u>123534</u>
<u>80. Surface Soil Sample</u>	<u>123535</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Soil</u>	<u>123535</u>
<u>81. Deep Soil Sample</u>	<u>123536</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Soil</u>	<u>123536</u>
<u>82. Surface Sediment Sample</u>	<u>123537</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Sediment</u>	<u>123537</u>
<u>83. Deep Sediment Sample</u>	<u>123538</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Sediment</u>	<u>123538</u>
<u>84. Surface Water Sample</u>	<u>123539</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Water</u>	<u>123539</u>
<u>85. Deep Water Sample</u>	<u>123540</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Water</u>	<u>123540</u>
<u>86. Surface Air Sample</u>	<u>123541</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Air</u>	<u>123541</u>
<u>87. Deep Air Sample</u>	<u>123542</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Air</u>	<u>123542</u>
<u>88. Surface Soil Sample</u>	<u>123543</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Soil</u>	<u>123543</u>
<u>89. Deep Soil Sample</u>	<u>123544</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Soil</u>	<u>123544</u>
<u>90. Surface Sediment Sample</u>	<u>123545</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Sediment</u>	<u>123545</u>
<u>91. Deep Sediment Sample</u>	<u>123546</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Sediment</u>	<u>123546</u>
<u>92. Surface Water Sample</u>	<u>123547</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Water</u>	<u>123547</u>
<u>93. Deep Water Sample</u>	<u>123548</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Water</u>	<u>123548</u>
<u>94. Surface Air Sample</u>	<u>123549</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Air</u>	<u>123549</u>
<u>95. Deep Air Sample</u>	<u>123550</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Air</u>	<u>123550</u>
<u>96. Surface Soil Sample</u>	<u>123551</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Soil</u>	<u>123551</u>
<u>97. Deep Soil Sample</u>	<u>123552</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Soil</u>	<u>123552</u>
<u>98. Surface Sediment Sample</u>	<u>123553</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Sediment</u>	<u>123553</u>
<u>99. Deep Sediment Sample</u>	<u>123554</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Sediment</u>	<u>123554</u>
<u>100. Surface Water Sample</u>	<u>123555</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Water</u>	<u>123555</u>
<u>101. Deep Water Sample</u>	<u>123556</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Water</u>	<u>123556</u>
<u>102. Surface Air Sample</u>	<u>123557</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Air</u>	<u>123557</u>
<u>103. Deep Air Sample</u>	<u>123558</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Air</u>	<u>123558</u>
<u>104. Surface Soil Sample</u>	<u>123559</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Soil</u>	<u>123559</u>
<u>105. Deep Soil Sample</u>	<u>123560</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Soil</u>	<u>123560</u>
<u>106. Surface Sediment Sample</u>	<u>123561</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Sediment</u>	<u>123561</u>
<u>107. Deep Sediment Sample</u>	<u>123562</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Sediment</u>	<u>123562</u>
<u>108. Surface Water Sample</u>	<u>123563</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Water</u>	<u>123563</u>
<u>109. Deep Water Sample</u>	<u>123564</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Water</u>	<u>123564</u>
<u>110. Surface Air Sample</u>	<u>123565</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Air</u>	<u>123565</u>
<u>111. Deep Air Sample</u>	<u>123566</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Air</u>	<u>123566</u>
<u>112. Surface Soil Sample</u>	<u>123567</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Soil</u>	<u>123567</u>
<u>113. Deep Soil Sample</u>	<u>123568</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Deep Soil</u>	<u>123568</u>
<u>114. Surface Sediment Sample</u>	<u>123569</u>	<u>07/15/99</u>	<u>10:00 AM</u>	<u>Surface Sediment</u>	<u>123569</u>
<u>115. Deep Sediment Sample</u>	<u></u>				

OFF: (505) 325-5667

LAB: (505) 325-1556



July 01, 1999

JUL 7 1999
Po

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

RE: Thomas Well #1

Order No.: 9906064

Dear Terry Griffin,

On Site Technologies, LTD. received 5 samples on 6/17/99 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 read "David Cox".

David Cox

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 01-Jul-99

CLIENT: BioTech Remediation, Inc.
Project: Thomas Well #1
Lab Order: 9906064

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.

1 of 1

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 01-Jul-99

Client:	BioTech Remediation, Inc.	Client Sample Info:	Thomas Well #1
Work Order:	9906064	Client Sample ID:	Travel Blank
Lab ID:	9906064-01A	Matrix:	AQUEOUS
Project:	Thomas Well #1	Collection Date:	6/17/99 9:00:00 AM
		COC Record:	5271

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
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AROMATIC VOLATILES BY GC/PID		SW8021B			Analyst: DC	
Methyl tert-Butyl Ether	ND	1		µg/L	1	6/28/99
Benzene	ND	0.5		µg/L	1	6/28/99
Toluene	ND	0.5		µg/L	1	6/28/99
Ethylbenzene	ND	0.5		µg/L	1	6/28/99
m,p-Xylene	ND	1		µg/L	1	6/28/99
o-Xylene	ND	0.5		µg/L	1	6/28/99

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 1

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 01-Jul-99

Client:	BioTech Remediation, Inc.	Client Sample Info:	Thomas Well #1
Work Order:	9906064	Client Sample ID:	Field Blank
Lab ID:	9906064-02A	Matrix:	AQUEOUS
Project:	Thomas Well #1	Collection Date:	6/17/99 12:16:00 PM
		COC Record:	5271

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID						
Methyl tert-Butyl Ether	ND	1		µg/L	1	6/28/99
Benzene	ND	0.5		µg/L	1	6/28/99
Toluene	ND	0.5		µg/L	1	6/28/99
Ethylbenzene	ND	0.5		µg/L	1	6/28/99
m,p-Xylene	ND	1		µg/L	1	6/28/99
o-Xylene	ND	0.5		µg/L	1	6/28/99

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 1

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 01-Jul-99

Client:	BioTech Remediation, Inc.	Client Sample Info:	Thomas Well #1
Work Order:	9906064	Client Sample ID:	Rinse Blank
Lab ID:	9906064-03A	Matrix:	AQUEOUS
Project:	Thomas Well #1	Collection Date:	6/17/99 1:12:00 PM
		COC Record:	5271

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
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AROMATIC VOLATILES BY GC/PID		SW8021B		Analyst: DC		
Methyl tert-Butyl Ether	ND	1	µg/L	1	6/28/99	
Benzene	ND	0.5	µg/L	1	6/28/99	
Toluene	ND	0.5	µg/L	1	6/28/99	
Ethylbenzene	ND	0.5	µg/L	1	6/28/99	
m,p-Xylene	ND	1	µg/L	1	6/28/99	
o-Xylene	ND	0.5	µg/L	1	6/28/99	

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

Sur: - Surrogate

P.O. BOX 2606 • FARMINGTON, NM 87499

1 of 1

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 01-Jul-99

Client:	BioTech Remediation, Inc.	Client Sample Info:	Thomas Well #1
Work Order:	9906064	Client Sample ID:	MW-3
Lab ID:	9906064-04A	Matrix:	AQUEOUS
Project:	Thomas Well #1	Collection Date:	6/17/99 12:40:00 PM
		COC Record:	5271

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
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AROMATIC VOLATILES BY GC/PID		SW8021B		Analyst: DC		
Methyl tert-Butyl Ether	ND	1	µg/L	1	6/28/99	
Benzene	ND	0.5	µg/L	1	6/28/99	
Toluene	10	0.5	µg/L	1	6/28/99	
Ethylbenzene	16	0.5	µg/L	1	6/28/99	
m,p-Xylene	18	1	µg/L	1	6/28/99	
o-Xylene	4.6	0.5	µg/L	1	6/28/99	

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 1

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 01-Jul-99

Client:	BioTech Remediation, Inc.	Client Sample Info:	Thomas Well #1
Work Order:	9906064	Client Sample ID:	MW-2
Lab ID:	9906064-05A	Matrix:	AQUEOUS
Project:	Thomas Well #1	Collection Date:	6/17/99 1:08:00 PM
		COC Record:	5271

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID						
			SW8021B			Analyst: DC
Methyl tert-Butyl Ether	ND	5		µg/L	5	6/28/99
Benzene	220	2.5		µg/L	5	6/28/99
Toluene	18	2.5		µg/L	5	6/28/99
Ethylbenzene	84	2.5		µg/L	5	6/28/99
m,p-Xylene	800	5		µg/L	5	6/28/99
o-Xylene	12	2.5		µg/L	5	6/28/99

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 Surrt. - Surrogate

1 of 1

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

On Site Technologies, LTD.

CLIENT: BioTech Remediation, Inc.
Work Order: 9906064
Project: Thomas Well #1

Date: 01-Jul-99

QC SUMMARY REPORT

Method Blank

Sample ID: MB1	Batch ID: GC-1_990628	Test Code: SW8021B	Units: µg/L	Analysis Date: 6/28/99	Prep Date:
Client ID:	Run ID: 9906064	GC-1_990628A		SeqNo: 16541	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
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	.1616	0.5			
	J				

Qualifiers: ND - Not Detected at the Reporting Limit

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

CLIENT: BioTech Remediation, Inc.

Work Order: 9906064

Project: Thomas Well #1

Date: 01-Jul-99

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: 9906061-04AMSD	Batch ID: GC-1_990628	Test Code: SW8021B	Units: µg/L		Analysis Date 6/28/99		Prep Date:				
Client ID:	9906064	Run ID: GC-1_990628A			SeqNo: 16542						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	441.7	5	400	76.3	91.4%	73	115				
Ethylbenzene	602.5	5	400	234.1	92.1%	74	117				
m,p-Xylene	2708	10	800	2012	87.1%	76	112				
Methyl tert-Butyl Ether	405.2	10	400	0	101.3%	62	122				
o-Xylene	364.2	5	400	6.435	89.5%	83	112				
Toluene	388.6	5	400	16.16	93.1%	71	120				
Sample ID: 9906061-04AMSD	Batch ID: GC-1_990628	Test Code: SW8021B	Units: µg/L		Analysis Date 6/28/99		Prep Date:				
Client ID:	9906064	Run ID: GC-1_990628A			SeqNo: 16543						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	427.6	5	400	76.3	87.8%	73	115	441.7	3.2%	8	
Ethylbenzene	585.4	5	400	234.1	87.8%	74	117	602.5	2.9%	9	
m,p-Xylene	2635	10	800	2012	78.0%	76	112	2708	2.7%	9	
Methyl tert-Butyl Ether	405.1	10	400	0	101.3%	62	122	405.2	0.0%	7	
o-Xylene	355.1	5	400	6.435	87.2%	83	112	364.2	2.6%	9	
Toluene	376.2	5	400	16.16	90.0%	71	120	388.6	3.3%	9	

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.

CLIENT: BioTech Remediation, Inc.

Work Order: 9906064

Project: Thomas Well #1

Date: 01-Jul-99

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID: LCS WATER	Batch ID: GC-1_990628	Test Code: SW8021B	Units: µg/L	Analysis Date 6/28/99	Prep Date:						
Client ID:	Run ID: GC-1_990628A	SeqNo: 16540									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	42.13	0.5	40	0	105.3%	84	110				
Ethylbenzene	41.58	0.5	40	0	103.9%	86	113				
m,p-Xylene	79.82	1	80	0	99.8%	81	114				
Methyl tert-Butyl Ether	45.7	1	40	0	114.3%	69	129				
o-Xylene	41.59	0.5	40	0	104.0%	86	112				
Toluene	41.17	0.5	40	0.1616	102.5%	85	111				

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.

CLIENT: BioTech Remediation, Inc.
Work Order: 9906064
Project: Thomas Well #1

Date: 01-Jul-99

QC SUMMARY REPORT

Continuing Calibration Verification Standard

Sample ID:	CCV1 BTEX_9906	Batch ID:	GC-1_990628	Test Code:	SW8021B	Units:	µg/L	Analysis Date:	6/28/99	Prep Date:		
Client ID:	9906064	Run ID:	GC-1_990628A					SeqNo:	16537			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		21.8	0.5	20	0	109.0%			85	115		
Ethylbenzene		21.56	0.5	20	0	107.8%			85	115		
m,p-Xylene		41.46	1	40	0	103.6%			85	115		
Methyl tert-Butyl Ether		22.97	1	20	0	114.8%			85	115		
o-Xylene		21.56	0.5	20	0	107.8%			85	115		
Toluene		21.38	0.5	20	0	106.9%			85	115		
1,4-Difluorobenzene		94.82	0	100	0	94.8%			86	100		
4-Bromochlorobenzene		93.8	0	100	0	93.8%			90	104		
Fluorobenzene		97.56	0	100	0	97.6%			89	101		
Sample ID:	CCV2 BTEX_9906	Batch ID:	GC-1_990628	Test Code:	SW8021B	Units:	µg/L	Analysis Date:	6/28/99	Prep Date:		
Client ID:	9906064	Run ID:	GC-1_990628A					SeqNo:	16538			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		19.62	0.5	20	0	98.1%			85	115		
Ethylbenzene		19.21	0.5	20	0	96.1%			85	115		
m,p-Xylene		36.85	1	40	0	92.1%			85	115		
Methyl tert-Butyl Ether		20.92	1	20	0	104.6%			85	115		
o-Xylene		19.08	0.5	20	0	95.4%			85	115		
Toluene		19.01	0.5	20	0	95.1%			85	115		
1,4-Difluorobenzene		94.88	0	100	0	94.9%			86	100		
4-Bromochlorobenzene		92.7	0	100	0	92.7%			90	104		
Fluorobenzene		97.33	0	100	0	97.3%			89	101		

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

R - RPD outside accepted recovery limits

I of 2

CLIENT: BioTech Remediation, Inc.
Work Order: 9906064
Project: Thomas Well #1

QC SUMMARY REPORT
Continuing Calibration Verification Standard

Sample ID:	CCV3 BTEX_9906	Batch ID:	GC-1_990628	Test Code:	SW8021B	Units: µg/L		Analysis Date	6/28/99	Prep Date:		
Client ID:	9906064	Run ID:	GC-1_990628A					SeqNo:	16539			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		42.8	0.5	40	0	107.0%	85	115				
Ethylbenzene		36.82	0.5	40	0	92.1%	85	115				
m,p-Xylene		71.88	1	80	0	89.8%	85	115				
Methyl tert-Butyl Ether		49.4	1	40	0	123.5%	85	115				
o-Xylene		39.19	0.5	40	0	98.0%	85	115				
Toluene		35.86	0.5	40	0	89.6%	85	115				
1,4-Difluorobenzene		98.12	0	100	0	98.1%	86	100				
4-Bromochlorobenzene		102.5	0	100	0	102.5%	90	104				
Fluorobenzene		103.8	0	100	0	103.8%	89	101				

S✓
REPORT TABLE
VALUES < PQL
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S

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: 01-Jul-99

CLIENT: BioTech Remediation, Inc.
Work Order: 9906064
Project: Thomas Well #1
Test No: SW8021B

**QC SUMMARY REPORT
SURROGATE RECOVERIES
Aromatic Volatiles by GC/PID**

Sample ID	14FBZ	4BCBZ	FLBZ					
9906060-01A	93.1	92.7	95.9					
9906061-03A	90.4	89.2 *	94					
9906061-04A	93.4	90.6	97.2					
9906061-04AMS	92.6	91.7	96.3					
9906061-04AMSD	91.8	91	95.6					
9906062-10A	94.4	91.6	97.4					
9906062-11A	94.3	93.1	97.9					
9906062-13A	94.3	93.3	99.9					
9906062-19A	95	92.6	98.1					
9906064-01A	94.8	92.4	98					
9906064-02A	95.5	92.8	98.1					
9906064-03A	95.1	93.1	98.1					
9906064-04A	79.7 *	77 *	82.6 *					
9906064-05A	92.6	91.2	95.4					
9906065-01A	93.6	92	96.8					
9906076-01A	95.1	93	98					
9906076-02A	95	92.1	97.4					
9906076-03A	96.1	93.6	98.2					
CCV1 BTEX_99061	94.8	93.8	97.6					
CCV2 BTEX_99061	94.9	92.7	97.3					
CCV3 BTEX_99061	98.1	102	104 *					
LCS WATER	94.4	93.1	97.1					
MBI	94.7	93.5	97.4					

Acronym	Surrogate	QC Limits
14FBZ	= 1,4-Difluorobenzene	86-100
4BCBZ	= 4-Bromochlorobenzene	90-104
FLBZ	= Fluorobenzene	89-101

* Surrogate recovery outside acceptance limits

ON SITE

TECHNOLOGIES, LTD.

657 W. Maple • P.O. Box 2606 • Farmington NM 87499
LAB: (505) 325-5667 • FAX: (505) 325-6256

CHAIN OF CUSTODY RECORD

Date: 2/11/97 Page 1 of 1

Purchase Order No.: <u>522</u>	Job No.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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ID	DATE	TIME	MATRIX	PRES.	1	3/1/97	12:00	Water	Yes		2	3/1/97	12:15	Water	No		3	3/1/97	12:30	Water	No		4	3/1/97	12:45	Water	No		5	3/1/97	1:00	Water	No		6	3/1/97	1:15	Water	No		7	3/1/97	1:30	Water	No		8	3/1/97	1:45	Water	No		9	3/1/97	2:00	Water	No		10	3/1/97	2:15	Water	No		11	3/1/97	2:30	Water	No		12	3/1/97	2:45	Water	No		13	3/1/97	3:00	Water	No		14	3/1/97	3:15	Water	No		15	3/1/97	3:30	Water	No		16	3/1/97	3:45	Water	No		17	3/1/97	4:00	Water	No		18	3/1/97	4:15	Water	No		19	3/1/97	4:30	Water	No		20	3/1/97	4:45	Water	No		21	3/1/97	5:00	Water	No		22	3/1/97	5:15	Water	No		23	3/1/97	5:30	Water	No		24	3/1/97	5:45	Water	No		25	3/1/97	6:00	Water	No		26	3/1/97	6:15	Water	No		27	3/1/97	6:30	Water	No		28	3/1/97	6:45	Water	No		29	3/1/97	7:00	Water	No		30	3/1/97	7:15	Water	No		31	3/1/97	7:30	Water	No		32	3/1/97	7:45	Water	No		33	3/1/97	8:00	Water	No		34	3/1/97	8:15	Water	No		35	3/1/97	8:30	Water	No		36	3/1/97	8:45	Water	No		37	3/1/97	9:00	Water	No		38	3/1/97	9:15	Water	No		39	3/1/97	9:30	Water	No		40	3/1/97	9:45	Water	No		41	3/1/97	10:00	Water	No		42	3/1/97	10:15	Water	No		43	3/1/97	10:30	Water	No		44	3/1/97	10:45	Water	No		45	3/1/97	11:00	Water	No		46	3/1/97	11:15	Water	No		47	3/1/97	11:30	Water	No		48	3/1/97	11:45	Water	No		49	3/1/97	12:00	Water	No		50	3/1/97	12:15	Water	No		51	3/1/97	12:30	Water	No		52	3/1/97	12:45	Water	No		53	3/1/97	1:00	Water	No		54	3/1/97	1:15	Water	No		55	3/1/97	1:30	Water	No		56	3/1/97	1:45	Water	No		57	3/1/97	2:00	Water	No		58	3/1/97	2:15	Water	No		59	3/1/97	2:30	Water	No		60	3/1/97	2:45	Water	No		61	3/1/97	3:00	Water	No		62	3/1/97	3:15	Water	No		63	3/1/97	3:30	Water	No		64	3/1/97	3:45	Water	No		65	3/1/97	4:00	Water	No		66	3/1/97	4:15	Water	No		67	3/1/97	4:30	Water	No		68	3/1/97	4:45	Water	No		69	3/1/97	5:00	Water	No		70	3/1/97	5:15	Water	No		71	3/1/97	5:30	Water	No		72	3/1/97	5:45	Water	No		73	3/1/97	6:00	Water	No		74	3/1/97	6:15	Water	No		75	3/1/97	6:30	Water	No		76	3/1/97	6:45	Water	No		77	3/1/97	7:00	Water	No		78	3/1/97	7:15	Water	No		79	3/1/97	7:30	Water	No		80	3/1/97	7:45	Water	No		81	3/1/97	8:00	Water	No		82	3/1/97	8:15	Water	No		83	3/1/97	8:30	Water	No		84	3/1/97	8:45	Water	No		85	3/1/97	9:00	Water	No		86	3/1/97	9:15	Water	No		87	3/1/97	9:30	Water	No		88	3/1/97	9:45	Water	No		89	3/1/97	10:00	Water	No		90	3/1/97	10:15	Water	No		91	3/1/97	10:30	Water	No		92	3/1/97	10:45	Water	No		93	3/1/97	11:00	Water	No		94	3/1/97	11:15	Water	No		95	3/1/97	11:30	Water	No		96	3/1/97	11:45	Water	No		97	3/1/97	12:00	Water	No		98	3/1/97	12:15	Water	No		99	3/1/97	12:30	Water	No		100	3/1/97	12:45	Water	No		101	3/1/97	1:00	Water	No		102	3/1/97	1:15	Water	No		103	3/1/97	1:30	Water	No		104	3/1/97	1:45	Water	No		105	3/1/97	2:00	Water	No		106	3/1/97	2:15	Water	No		107	3/1/97	2:30	Water	No		108	3/1/97	2:45	Water	No		109	3/1/97	3:00	Water	No		110	3/1/97	3:15	Water	No		111	3/1/97	3:30	Water	No		112	3/1/97	3:45	Water	No		113	3/1/97	4:00	Water	No		114	3/1/97	4:15	Water	No		115	3/1/97	4:30	Water	No		116	3/1/97	4:45	Water	No		117	3/1/97	5:00	Water	No		118	3/1/97	5:15	Water	No		119	3/1/97	5:30	Water	No		120	3/1/97	5:45	Water	No		121	3/1/97	6:00	Water	No		122	3/1/97	6:15	Water	No		123	3/1/97	6:30	Water	No		124	3/1/97	6:45	Water	No		125	3/1/97	7:00	Water	No		126	3/1/97	7:15	Water	No		127	3/1/97	7:30	Water	No		128	3/1/97	7:45	Water	No		129	3/1/97	8:00	Water	No		130	3/1/97	8:15	Water	No		131	3/1/97	8:30	Water	No		132	3/1/97	8:45	Water	No		133	3/1/97	9:00	Water	No		134	3/1/97	9:15	Water	No		135	3/1/97	9:30	Water	No		136	3/1/97	9:45	Water	No		137	3/1/97	10:00	Water	No		138	3/1/97	10:15	Water	No		139	3/1/97	10:30	Water	No		140	3/1/97	10:45	Water	No		141	3/1/97	11:00	Water	No		142	3/1/97	11:15	Water	No		143	3/1/97	11:30	Water	No		144	3/1/97	11:45	Water	No		145	3/1/97	12:00	Water	No		146	3/1/97	12:15	Water	No		147	3/1/97	12:30	Water	No		148	3/1/97	12:45	Water	No		149	3/1/97	1:00	Water	No		150	3/1/97	1:15	Water	No		151	3/1/97	1:30	Water	No		152	3/1/97	1:45	Water	No		153	3/1/97	2:00	Water	No		154	3/1/97	2:15	Water	No		155	3/1/97	2:30	Water	No		156	3/1/97	2:45	Water	No		157	3/1/97	3:00	Water	No		158	3/1/97	3:15	Water	No		159	3/1/97	3:30	Water	No		160	3/1/97	3:45	Water	No		161	3/1/97	4:00	Water	No		162	3/1/97	4:15	Water	No		163	3/1/97	4:30	Water	No		164	3/1/97	4:45	Water	No		165	3/1/97	5:00	Water	No		166	3/1/97	5:15	Water	No		167	3/1/97	5:30	Water	No		168	3/1/97	5:45	Water	No		169	3/1/97	6:00	Water	No		170	3/1/97	6:15	Water	No		171	3/1/97	6:30	Water	No		172	3/1/97	6:45	Water	No		173	3/1/97	7:00	Water	No		174	3/1/97	7:15	Water	No		175	3/1/97	7:30	Water	No		176	3/1/97	7:45	Water	No		177	3/1/97	8:00	Water	No		178	3/1/97	8:15	Water	No		179	3/1/97	8:30	Water	No		180	3/1/97	8:45	Water	No		181	3/1/97	9:00	Water	No		182	3/1/97	9:15	Water	No		183	3/1/97	9:30	Water	No		184	3/1/97	9:45	Water	No		185	3/1/97	10:00	Water	No		186	3/1/97	10:15	Water	No		187	3/1/97	10:30	Water	No		188	3/1/97	10:45	Water	No		189	3/1/97	11:00	Water	No		190	3/1/97	11:15	Water	No		191	3/1/97	11:30	Water	No		192	3/1/97	11:45	Water	No		193	3/1/97	12:00	Water	No		194	3/1/97	12:15	Water	No		195	3/1/97	12:30	Water	No		196	3/1/97	12:45	Water	No		197	3/1/97	1:00	Water	No		198	3/1/97	1:15	Water	No		199	3/1/97	1:30	Water	No		200	3/1/97	1:45	Water	No		201	3/1/97	2:00	Water	No		202	3/1/97	2:15	Water	No		203	3/1/97	2:30	Water	No		204	3/1/97	2:45	Water	No		205	3/1/97	3:00	Water	No		206	3/1/97	3:15	Water	No		207	3/1/97	3:30	Water	No		208	3/1/97	3:45	Water	No		209	3/1/97	4:00	Water	No		210	3/1/97	4:15	Water	No		211	3/1/97	4:30	Water	No		212	3/1/97	4:45	Water	No		213	3/1/97	5:00	Water	No		214	3/1/97	5:15	Water	No		215	3/1/97	5:30	Water	No		216	3/1/97	5:45	Water	No		217	3/1/97	6:00	Water	No		218	3/1/97	6:15	Water	No		219	3/1/97	6:30	Water	No		220	3/1/97	6:45	Water	No		221	3/1/97	7:00	Water	No		222	3/1/97	7:15	Water	No		223	3/1/97	7:30	Water	No		224	3/1/97	7:45	Water	No		225	3/1/97	8:00	Water	No		226	3/1/97	8:15	Water	No		227	3/1/97	8:30	Water	No		228	3/1/97	8:45	Water	No		229	3
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