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Annual GW Mon. REPORTS

DATE:
2007

LF-37

SECTION 19
TOWNSHIP 19 SOUTH, RANGE 37 EAST
PLAINS EMS NUMBER: 1999-LF-37
LEA COUNTY, NEW MEXICO
NMOCD #1R-0102

2007 Annual Groundwater Monitoring Report

RECEIVED
2008 APR 7 PM 3 33

April 2008

PLAINS MARKETING, L.P.
333 CLAY STREET, SUITE 1600
HOUSTON, TEXAS 77002

Prepared By:

BBC International, Inc.
World-Wide Environmental Specialists
Hobbs, New Mexico

PLAINS
ALL AMERICAN

RECEIVED
2008 APR 7 PM 3 33

March 28, 2008

Mr. Edward Hansen
New Mexico Oil Conservation Division
Environmental Bureau
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: Plains All American – Annual Monitoring Reports
2 Sites in Lea County, New Mexico

Dear Mr. Hansen,

Plains All American is an operator of crude oil pipelines and terminal facilities in the state of New Mexico. Plains All American actively monitors certain historical release sites exhibiting groundwater impacts, consistent with assessments and work plans developed in consultation with the New Mexico Oil Conservation Division (NMOCD). In accordance with the rules and regulations of the NMOCD, Plains All American hereby submits our Annual Monitoring reports for the following sites:

TNM 97-23	Section 14, Township 22 South, Range 37 East, Lea County
LF-37	Section 19, Township 19 South, Range 37 East, Lea County

BBC prepared these documents and has vouched for their accuracy and completeness, and on behalf of Plains All American, I have personally reviewed the documents and interviewed BBC in order to verify the accuracy and completeness of these documents. It is based upon these inquiries and reviews that Plains All American submits the enclosed Annual Monitoring Reports for the above facilities.

If you have any questions or require further information, please contact me at (505) 441-0965.

Sincerely,

Camille Reynolds

Camille Reynolds
Remediation Coordinator
Plains All American

CC: Larry Johnson, NMOCD, Hobbs, NM

Enclosures

TABLE OF CONTENTS

INTRODUCTION

On behalf of Plains Marketing, L.P. (Plains), BBC International, Inc. (BBC) is pleased to submit this Annual Monitoring Report in compliance with the New Mexico Oil Conservation Division (NMOCD) letter of May 1998, requiring submittal of an Annual Monitoring Report by April 1 of each year. Beginning on October 19, 2004, project management responsibilities were assumed by BBC. This report is intended to be viewed as a complete document with text, figures, tables, and appendices. The report presents the results of the quarterly groundwater monitoring events conducted in calendar year 2007 only. For reference, the Site Location Map is provided as **Figure 1**.

Groundwater monitoring was conducted in four (4) quarters during the calendar year of 2007 to assess the levels and extent of dissolved phase and Phase Separated Hydrocarbon (PSH) constituents. The groundwater monitoring events consisted of measuring static water levels in the monitor wells and checking for the presence of PSH in all four (4) quarters.

A copy of this report with all figures and appendices is included on the enclosed CD.

FIELD ACTIVITES

In compliance with the New Mexico Oil Conservation Division (NMOCD) letter of April 28, 2004, allowing Plains to modify the quarterly gauging of the monitor wells as follows: quarterly sampling of MW-3, semi-annual sampling of MW-4, and annual sampling of MW-2, MW-5, MW-6, MW-8, and MW-9. The monitor wells were gauged and sampled on April 27, June 27, September 26, and December 19, 2006.

No detectable or measurable amounts of PSH were recorded during the monitoring period. During each sampling event, the monitor wells were purged of approximately three well volumes of water or until the wells were dry using a PVC bailer or electrical Grundfos Pump. Groundwater was allowed to recharge and samples were obtained using disposable Teflon samplers. Water samples were collected in clean glass containers provided by the laboratory and placed on ice in the field. Purge water was collected in polystyrene drums and disposed of by BBC utilizing the NMOCD-approved disposal facility near Eunice, NM operated by Sundance Services.

GROUNDWATER GRADIENT

Locations of the monitor wells and the inferred groundwater gradient, constructed from measurements collected during quarterly sampling events are depicted on **Figures 2-5**, the Inferred Groundwater Gradient Maps. Cumulative groundwater elevation data is provided as **Table 1**. Groundwater elevation contours, generated from water level measurements acquired during the quarterly sampling events of 2007 indicated a general gradient of approximately 0.005 ft/ft to the southeast. The depth to groundwater as measured from the top of the well casing ranged between 17.38 to 23.33 feet for the shallow aquifer.

LABORATORY RESULTS

Groundwater samples collected during each quarter of 2007 monitoring events were delivered to Trace Analysis, Inc. of Lubbock, Texas for determination of BTEX constituent concentrations by EPA Method SW846-8021b. A cumulative listing of BTEX constituent concentrations is summarized in **Table 2**. Copies of the laboratory reports generated during this reporting period are provided as **Appendix I-IV**. Quarterly groundwater sample results reflecting benzene and BTEX constituent concentrations are depicted on **Figures 6-9**, the BTEX Concentration Maps.

Review of laboratory analytical results generated from analysis of the groundwater samples obtained during the 2007 monitoring period indicate that benzene and BTEX constituent concentrations are below NMOCD regulatory standards in monitor wells MW-2, MW-4, MW-5, MW-6, MW-8, and MW-9. During the first and third quarters of 2007, the benzene concentration in monitor well MW-3 was above the NMOCD regulatory standard while total BTEX constituent concentrations were below NMOCD regulatory standards. The results are available in **Appendix I-IV**.

Ground water monitor wells MW-2, MW-4, MW-6, MW-8, and MW-9 have been below NMOCD regulatory standards for twelve (12) consecutive quarters, MW-5 was below NMOCD regulatory standards for four (4) quarters in 2003, then in 2004, MW-5 was changed to annual sampling per the NMOCD letter of April 28, 2004 and has been below NMOCD regulatory standards for the last two years.

Laboratory analytical results were compared to NMOCD regulatory limits based on the New Mexico groundwater standards found in Section 20.6.2.3103 of the New Mexico Administrative Code.

SUMMARY

This report presents the results of groundwater monitoring activities for the annual monitoring period 2007. No detectable or measurable amounts of PSH were recorded during the monitoring period.

Groundwater elevation contours, generated from water level measurements acquired during the quarterly sampling events of 2007 indicated a general gradient of approximately 0.005 ft/ft to the southeast.

Review of laboratory analytical results generated from analysis of the groundwater samples obtained during the 2007 monitoring period indicate that benzene and BTEX constituent concentrations are below NMOCD regulatory standards in monitor wells MW-2, MW-4, MW-5, MW-6, MW-8, and MW-9.

No detectable or measurable amounts of PSH were recorded during the monitoring period. The groundwater monitoring wells MW-2, MW-4, MW-5, MW-6, MW-8, and MW-9 have now recorded twelve (12) consecutive sampling quarters for constituent concentrations below NMOCD regulatory standards.

During the first and third quarters of 2007, the benzene concentration in monitor well MW-3 was above the NMOCD regulatory standard while total BTEX constituent concentrations were below NMOCD regulatory standards.

The Release Notification and Corrective Action Form (C-141) is provided as **Appendix V**.

CONCLUSION

Normal activities in 2008 would include quarterly gauging of all of the monitor wells, quarterly sampling of MW-3, semi-annual sampling of MW-4, and annual sampling of MW-2, MW-5, MW-6, MW-8, and MW-9.

However, due to the fact that monitoring wells MW-6, MW-8, and MW-9 have been non-detect for the required analytes for 12 consecutive quarters, Plains requests that groundwater monitoring wells MW-6, MW-8, and MW-9 be permanently plugged and abandoned according to NMOCD requirements. These monitoring wells are side-gradient to MW-3 and are not necessary to monitor hydrocarbon impact since and up-gradient monitoring well (MW-2) and two down-gradient monitoring wells (MW-4 and MW-5) are in place and provide sufficient data collection points to monitor the state of the groundwater around MW-3.

After the abandonment of monitor wells MW-6, MW-8, and MW-9, Plains will continue the quarterly sampling of MW-3, semi-annual sampling of MW-4, and annual sampling of MW-2 and MW-5. A report detailing activities conducted in 2008 will be submitted in April 2009.

LIMITATIONS

BBC has prepared this Annual Monitoring Report to the best of its ability. No other warranty, expressed or implied, is made or intended.

BBC has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. BBC has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. BBC has prepared this report, in a professional manner, using the degree of skill and care exercised by similar environmental consultants. BBC also notes that the facts and conditions referenced in this report may change over time and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of Plains. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of BBC and/or Plains.

DISTRIBUTION

Copy 1: Ed Hansen
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division
Environmental Bureau
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Copy 2: Larry Johnson
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division (District 1)
1625 French Drive
Hobbs, New Mexico 88240

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Suite 1600
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jpdann@paalp.com

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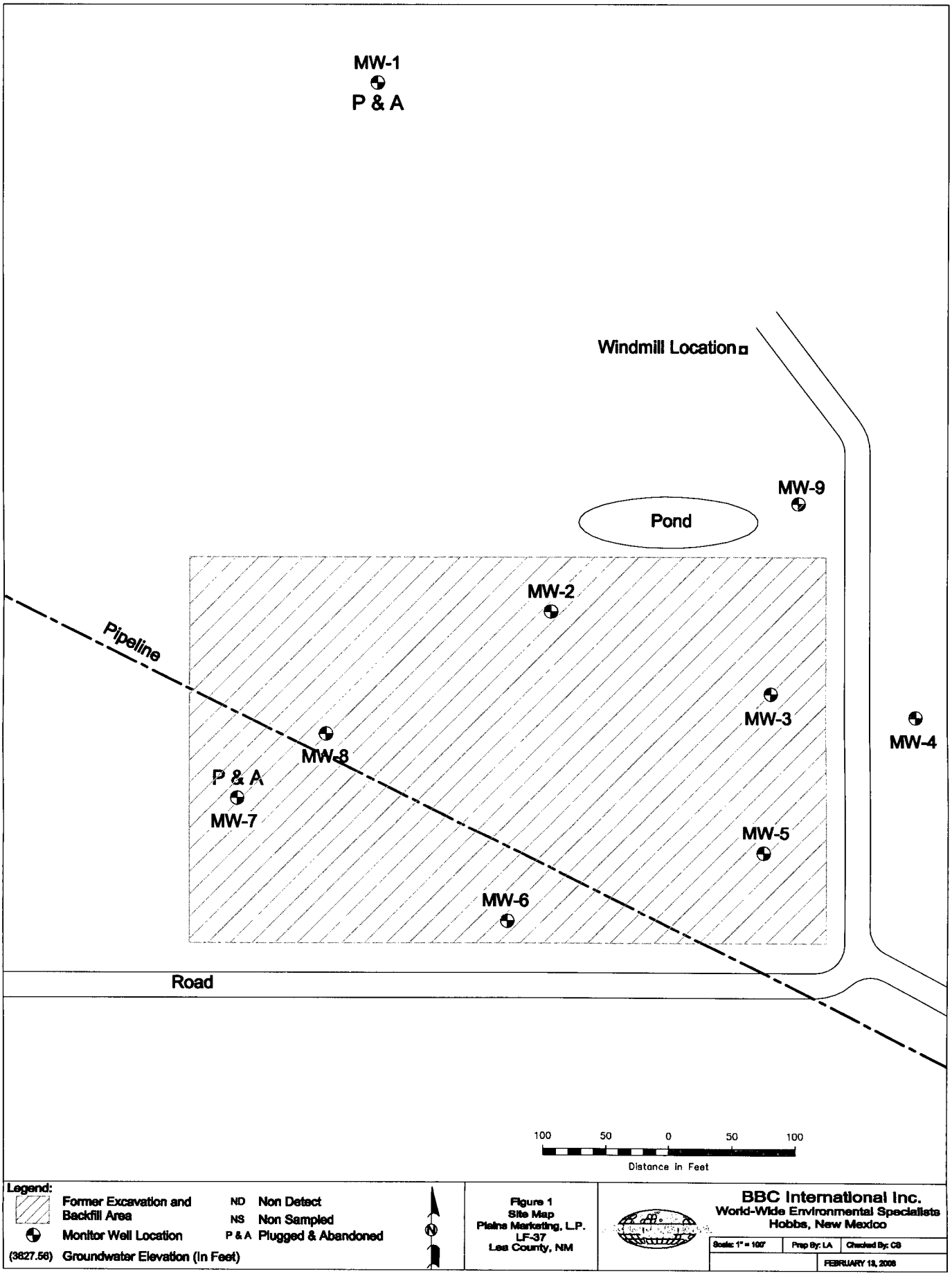
Hobbs, NM 88240

Copy Number: _____



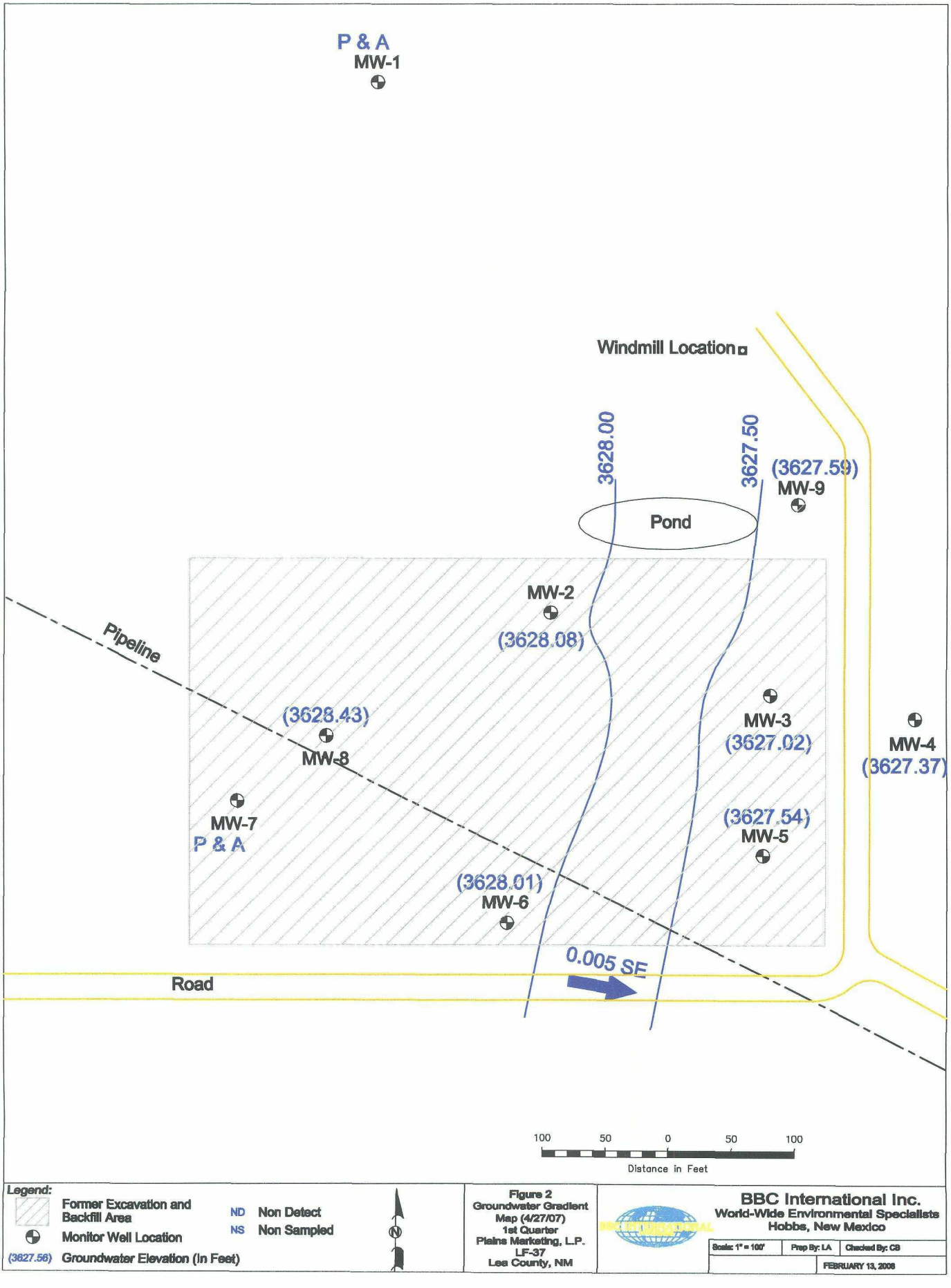
Legend:

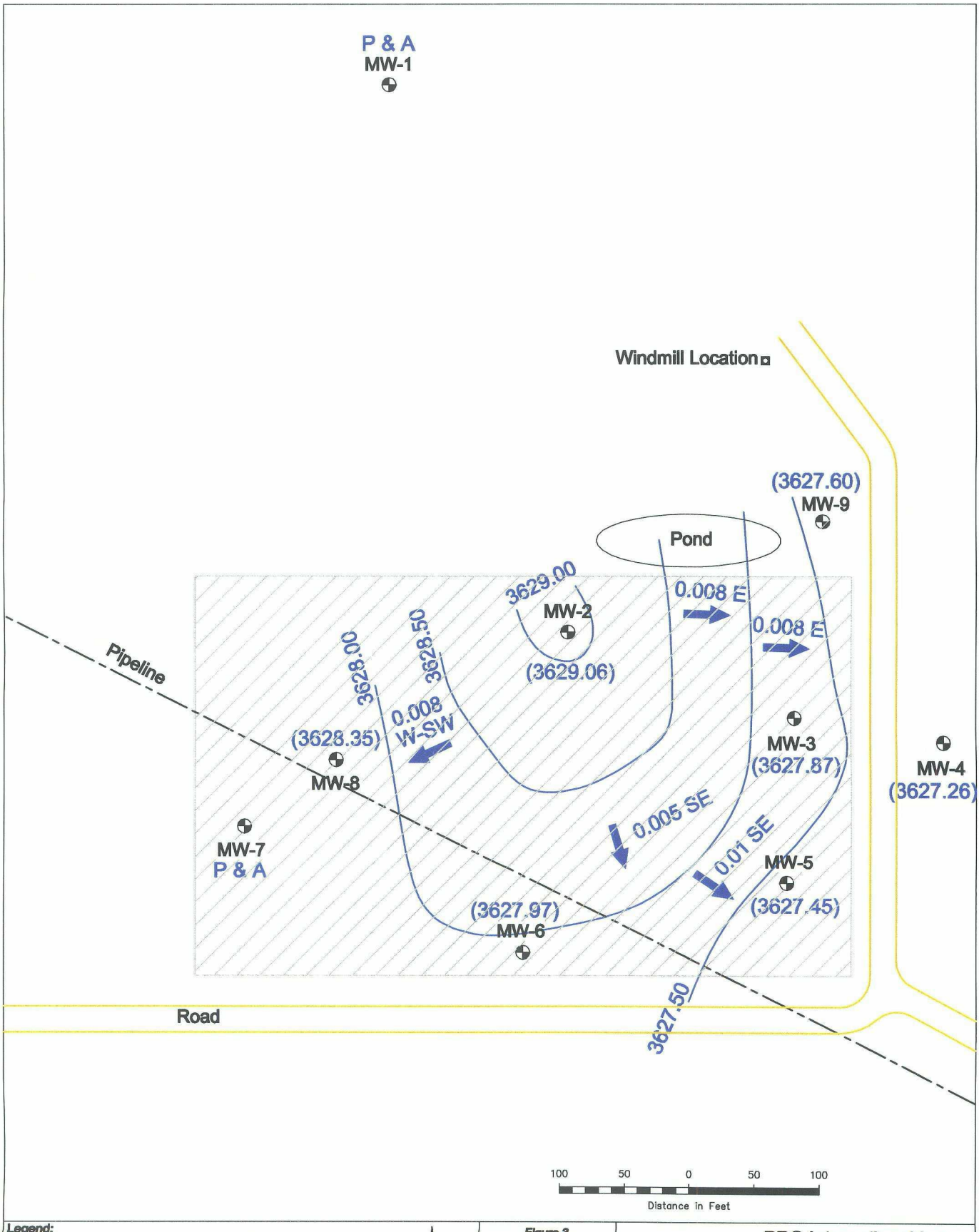
- Former Excavation and Backfill Area
- Monitor Well Location
- (3827.56) Groundwater Elevation (In Feet)
- ND Non Detect
- NS Non Sampled
- P & A Plugged & Abandoned

Figure 1
Site Map
Plains Marketing, L.P.
LF-37
Lea County, NM

BBC International Inc.
World-Wide Environmental Specialists
Hobbs, New Mexico

Scale: 1" = 100'	Prep By: LA	Checked By: CS
	FEBRUARY 13, 2008	


P & A
MW-1
Windmill Location
3628.00
3627.50
(3627.59)
MW-9
Pond
MW-2
(3628.08)
Pipeline
(3628.43)
MW-8
MW-3
(3627.02)
MW-4
(3627.37)
MW-7
P & A
(3627.54)
MW-5
(3628.01)
MW-6
0.005 SE
Road
100 50 0 50 100
Distance in Feet
Legend:
Former Excavation and Backfill Area
Monitor Well Location
(3627.56) Groundwater Elevation (In Feet)
ND Non Detect
NS Non Sampled
N
Figure 2
Groundwater Gradient Map (4/27/07)
1st Quarter
Plains Marketing, L.P.
LF-37
Lea County, NM
BBC International Inc.
World-Wide Environmental Specialists
Hobbs, New Mexico
Scale: 1" = 100'
Prep By: LA
Checked By: CB
FEBRUARY 13, 2008



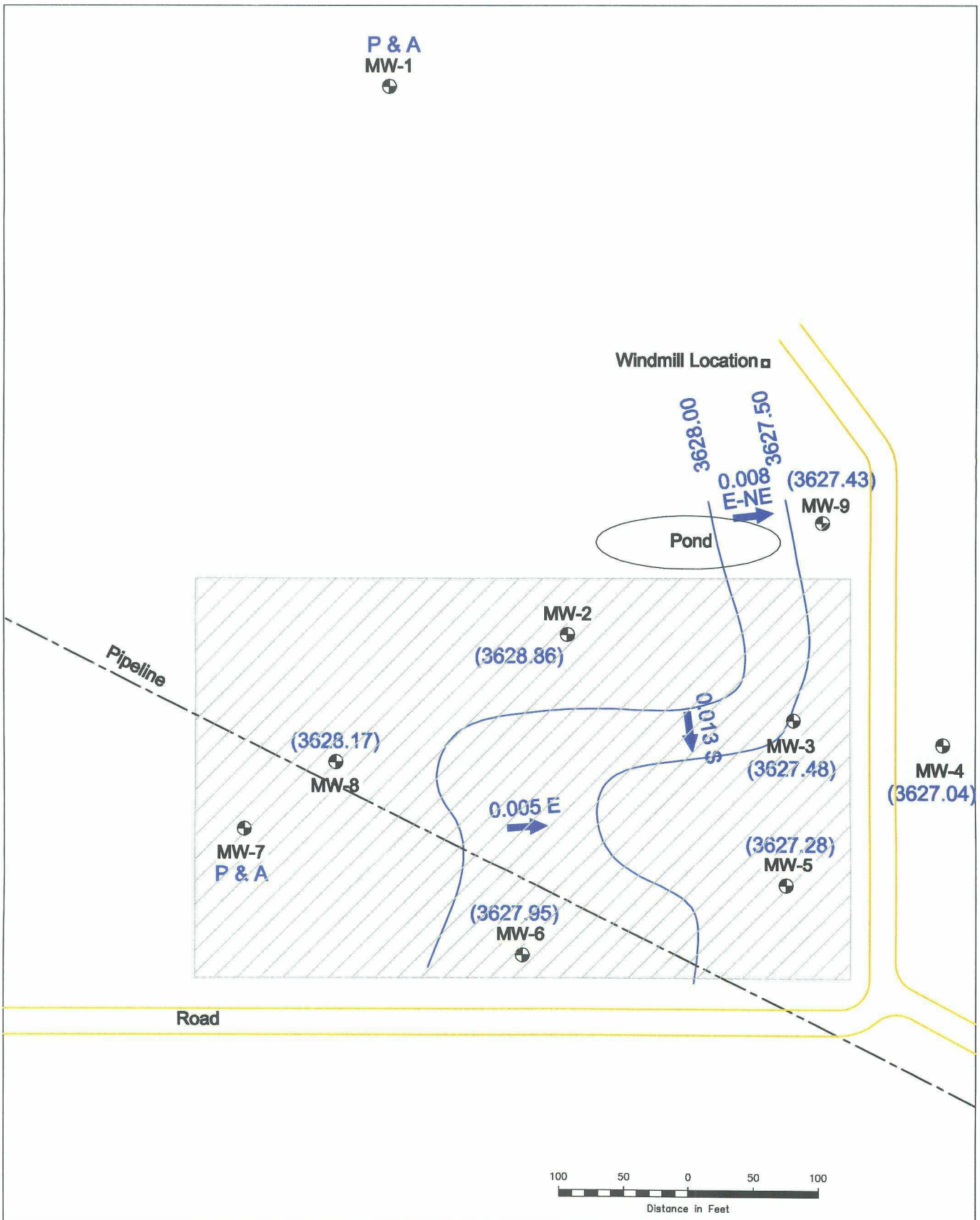
Legend:

- Former Excavation and Backfill Area
- Monitor Well Location
- (3627.56) Groundwater Elevation (In Feet)
- ND Non Detect
- NS Non Sampled
- P & A Plugged & Abandoned

Figure 3
Groundwater Gradient Map (6/27/07)
2nd Quarter
Plains Marketing, L.P.
LF-37
Lea County, NM

BBC International Inc.
World-Wide Environmental Specialists
Hobbs, New Mexico

Scale: 1" = 100'	Prep By: LA	Checked By: CB
		FEBRUARY 13, 2008



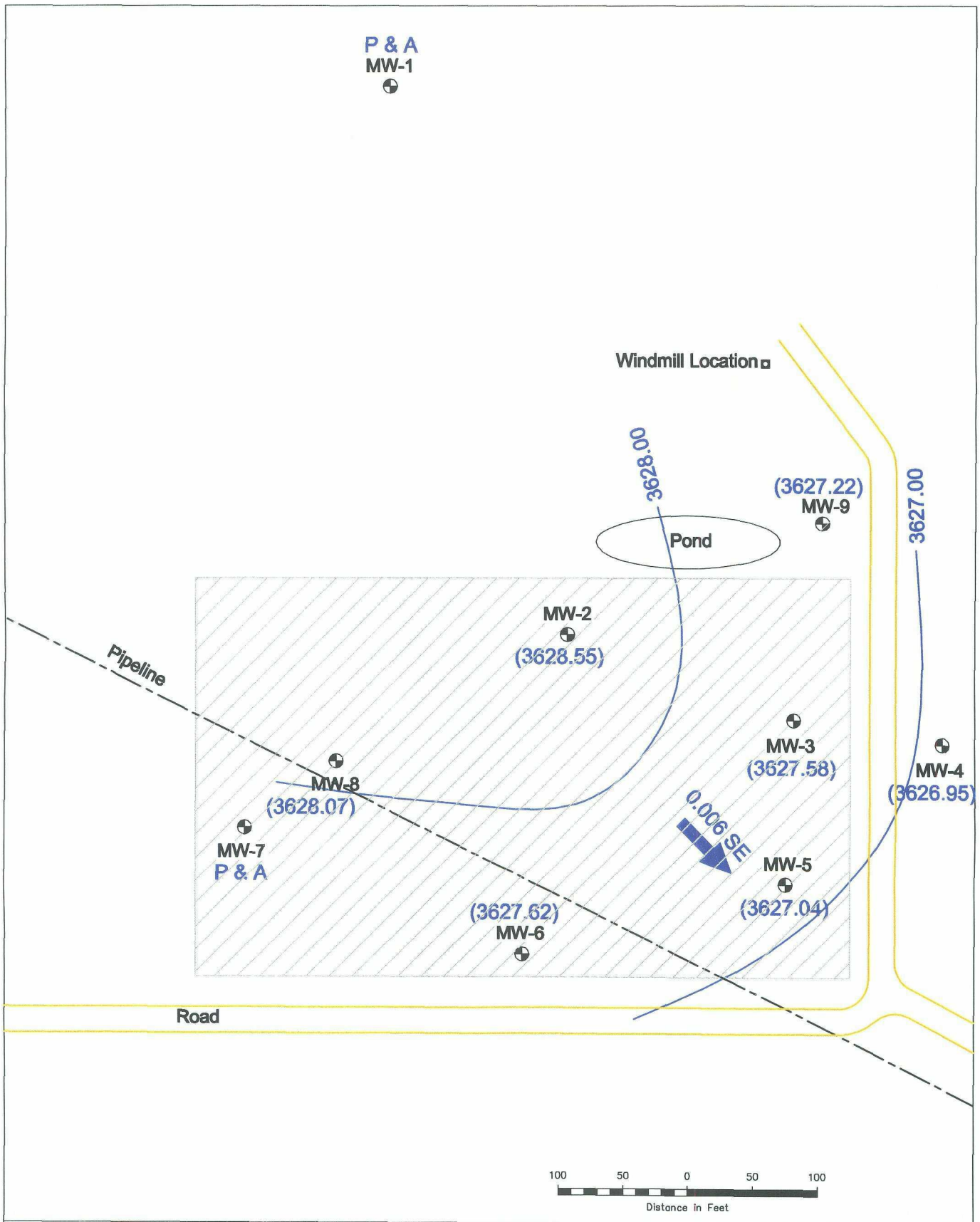
Legend:

- Former Excavation and Backfill Area
- Monitor Well Location
- (3627.56) Groundwater Elevation (In Feet)
- ND Non Detect
- NS Non Sampled
- P & A Plugged & Abandoned

Figure 4
Groundwater Gradient Map (9/26/07)
3rd Quarter
Plains Marketing, L.P.
LF-37
Lea County, NM

BBC International Inc.
World-Wide Environmental Specialists
Hobbs, New Mexico

Scale: 1" = 100'	Prep By: LA	Checked By: CB
	FEBRUARY 13, 2008	



Legend:

- Former Excavation and Backfill Area
- Monitor Well Location
- (3627.56) Groundwater Elevation (In Feet)
- ND Non Detect
- NS Non Sampled
- P & A Plugged & Abandoned

Figure 5
Groundwater Gradient Map (12/19/07)
4th Quarter
Plains Marketing, L.P.
LF-37
Lea County, NM

BBC International Inc.
World-Wide Environmental Specialists
Hobbs, New Mexico

Scale: 1" = 100'	Prep By: LA	Checked By: CB
	FEBRUARY 13, 2008	

TABLE 1

GROUNDWATER ELEVATION DATA

LF - 37
LEA COUNTY, NEW MEXICO
Plains EMS Number: 1999-LF-37

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 1	01/24/02	3,656.43	ND	28.94	0.00	3,627.49
	01/29/02	3,656.43	ND	28.87	0.00	3,627.56
	06/26/02	3,656.43	ND	28.88	0.00	3,627.55
	09/17/02	3,656.43	ND	29.04	0.00	3,627.39
	11/14/02	3,656.43	ND	28.98	0.00	3,627.45
	02/03/03	3,656.43	ND	29.03	0.00	3,627.40
	05/05/03	3,656.43	ND	29.07	0.00	3,627.36
	08/14/03	3,656.43	ND	29.05	0.00	3,627.38
	11/06/03	3,656.43	ND	29.10	0.00	3,627.33
	02/03/04	3,656.43	ND	29.07	0.00	3,627.36
	05/03/04	3,656.43	ND	28.42	0.00	3,628.01
	08/31/04	3,656.43	ND	28.63	0.00	3,627.80
	09/23/04	3,656.43	ND	19.57	0.00	3,636.86
	10/07/04	3,656.43	ND	14.76	0.00	3,641.67
	12/21/04	3,656.43	25.16	25.17	0.01	3,631.27
	03/16/05	3,656.43	ND	25.88	0.00	3,630.55
		P&A				
MW - 2	01/24/02	3,645.76	ND	19.93	0.00	3,625.83
	01/29/02	3,645.76	ND	19.81	0.00	3,625.95
	06/26/02	3,645.76	ND	19.83	0.00	3,625.93
	09/17/02	3,645.76	ND	20.04	0.00	3,625.72
	11/14/02	3,645.76	ND	19.82	0.00	3,625.94
	02/03/03	3,645.76	ND	19.90	0.00	3,625.86
	05/05/03	3,645.76	ND	19.99	0.00	3,625.77
	08/14/03	3,645.76	ND	20.11	0.00	3,625.65
	11/06/03	3,645.76	ND	20.18	0.00	3,625.58
	02/03/04	3,645.76	ND	20.15	0.00	3,625.61
	05/03/04	3,645.76	ND	19.41	0.00	3,626.35
	08/31/04	3,645.76	ND	19.77	0.00	3,625.99
	12/21/04	3,645.76	ND	16.31	0.00	3,629.45
	03/16/05	3,646.76	ND	17.24	0.00	3,629.52
	06/14/05	3,646.76	ND	17.73	0.00	3,629.03
	09/28/05	3,646.76	ND	16.65	0.00	3,630.11
	12/07/05	3,646.76	ND	18.00	0.00	3,628.76
	03/08/06	3,646.76	ND	18.07	0.00	3,628.69
	06/24/06	3,646.76	ND	18.43	0.00	3,628.33
	09/25/06	3,646.76	ND	17.56	0.00	3,629.20
	12/29/06	3,646.76	ND	17.33	0.00	3,629.43
	03/31/07	3,646.76	ND	18.68	0.00	3,628.08
	06/27/07	3,646.76	ND	17.70	0.00	3,629.06
	09/26/07	3,646.76	ND	17.90	0.00	3,628.86
	12/19/07	3,646.76	ND	18.21	0.00	3,628.55

TABLE 1

GROUNDWATER ELEVATION DATA

LF - 37
LEA COUNTY, NEW MEXICO
Plains EMS Number: 1999-LF-37

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 3	01/24/02	3,644.25	ND	19.31	0.00	3,624.94
	01/29/02	3,644.25	ND	19.23	0.00	3,625.02
	06/26/02	3,644.25	ND	19.23	0.00	3,625.02
	09/17/02	3,644.25	ND	19.43	0.00	3,624.82
	11/14/02	3,644.25	ND	19.27	0.00	3,624.98
	02/03/03	3,644.25	ND	19.28	0.00	3,624.97
	05/05/03	3,644.25	ND	19.33	0.00	3,624.92
	08/14/03	3,644.25	ND	19.51	0.00	3,624.74
	11/06/03	3,644.25	ND	19.57	0.00	3,624.68
	02/03/04	3,644.25	ND	19.56	0.00	3,624.69
	05/03/04	3,644.25	ND	18.70	0.00	3,625.55
	08/31/04	3,644.25	ND	19.04	0.00	3,625.21
	12/21/04	3,644.25	Sheen	15.76	0.00	3,628.49
	03/16/05	3,645.25	ND	16.74	0.00	3,628.51
	06/14/05	3,645.25	ND	17.27	0.00	3,627.98
	09/28/05	3,645.25	ND	17.19	0.00	3,628.06
	12/07/05	3,645.25	ND	17.50	0.00	3,627.75
	03/08/06	3,645.25	ND	17.58	0.00	3,627.67
	06/24/06	3,645.25	ND	18.06	0.00	3,627.19
	09/25/06	3,645.25	ND	17.19	0.00	3,628.06
	12/29/06	3,645.25	ND	16.90	0.00	3,628.35
	03/31/07	3,645.25	ND	18.23	0.00	3,627.02
	06/27/07	3,645.25	ND	17.38	0.00	3,627.87
	09/26/07	3,645.25	ND	17.77	0.00	3,627.48
	12/19/07	3,645.25	ND	17.67	0.00	3,627.58

TABLE 1

GROUNDWATER ELEVATION DATA

LF - 37
LEA COUNTY, NEW MEXICO
Plains EMS Number: 1999-LF-37

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	01/24/02	3,643.81	ND	19.43	0.00	3,624.38
	01/29/02	3,643.81	ND	19.31	0.00	3,624.50
	06/26/02	3,643.81	ND	19.24	0.00	3,624.57
	09/17/02	3,643.81	ND	19.52	0.00	3,624.29
	11/14/02	3,643.81	ND	19.37	0.00	3,624.44
	02/03/03	3,643.81	ND	19.45	0.00	3,624.36
	05/05/03	3,643.81	ND	19.48	0.00	3,624.33
	08/14/03	3,643.81	ND	19.59	0.00	3,624.22
	11/06/03	3,643.81	ND	19.65	0.00	3,624.16
	02/03/04	3,643.81	ND	19.61	0.00	3,624.20
	05/03/04	3,643.81	ND	18.70	0.00	3,625.11
	08/31/04	3,643.81	ND	19.20	0.00	3,624.61
	09/23/04	3,643.81	Sheen	21.60	0.00	3,622.21
	10/07/04	3,643.81	Sheen	19.40	0.00	3,624.41
	12/21/04	3,643.81	ND	16.00	0.00	3,627.81
	03/16/05	3,644.81	ND	16.92	0.00	3,627.89
	06/14/05	3,644.81	ND	17.41	0.00	3,627.40
	09/28/05	3,644.81	ND	16.33	0.00	3,628.48
	12/07/05	3,644.81	ND	17.70	0.00	3,627.11
	03/08/06	3,644.81	ND	17.78	0.00	3,627.03
	06/24/06	3,644.81	ND	18.23	0.00	3,626.58
	09/25/06	3,644.81	ND	17.41	0.00	3,627.40
	12/29/06	3,644.81	ND	17.10	0.00	3,627.71
	03/31/07	3,644.81	ND	17.44	0.00	3,627.37
	06/27/07	3,644.81	ND	17.55	0.00	3,627.26
	09/26/07	3,644.81	ND	17.77	0.00	3,627.04
	12/19/07	3,644.81	ND	17.86	0.00	3,626.95

TABLE 1

GROUNDWATER ELEVATION DATA

LF - 37
LEA COUNTY, NEW MEXICO
Plains EMS Number: 1999-LF-37

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	01/24/02	3,644.69	ND	20.18	0.00	3,624.51
	01/29/02	3,644.69	ND	20.12	0.00	3,624.57
	06/26/02	3,644.69	ND	20.13	0.00	3,624.56
	09/17/02	3,644.69	ND	20.29	0.00	3,624.40
	11/14/02	3,644.69	ND	21.50	0.00	3,623.19
	02/03/03	3,644.69	ND	20.13	0.00	3,624.56
	05/05/03	3,644.69	ND	20.25	0.00	3,624.44
	08/14/03	3,644.69	ND	20.35	0.00	3,624.34
	11/06/03	3,644.69	ND	20.39	0.00	3,624.30
	02/03/04	3,644.69	ND	20.43	0.00	3,624.26
	05/03/04	3,644.69	ND	19.64	0.00	3,625.05
	08/31/04	3,644.69	ND	19.99	0.00	3,624.70
	09/23/04	3,644.69	Sheen	19.41	0.00	3,625.28
	12/21/04	3,644.69	ND	16.94	0.00	3,627.75
	03/16/05	3,645.69	ND	17.78	0.00	3,627.91
	06/14/05	3,645.69	ND	18.23	0.00	3,627.46
	09/28/05	3,645.69	ND	17.16	0.00	3,628.53
	12/07/05	3,645.69	ND	19.22	0.00	3,626.47
	03/08/06	3,645.69	ND	19.30	0.00	3,626.39
	06/24/06	3,645.69	ND	18.81	0.00	3,626.88
	09/25/06	3,645.69	ND	17.98	0.00	3,627.71
	12/29/06	3,645.69	ND	17.97	0.00	3,627.72
	03/31/07	3,645.69	ND	18.15	0.00	3,627.54
	06/27/07	3,645.69	ND	18.24	0.00	3,627.45
	09/26/07	3,645.69	ND	18.41	0.00	3,627.28
	12/19/07	3,645.69	ND	18.65	0.00	3,627.04

TABLE 1

GROUNDWATER ELEVATION DATA

LF - 37
LEA COUNTY, NEW MEXICO
Plains EMS Number: 1999-LF-37

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	01/24/02	3,649.95	ND	24.83	0.00	3,625.12
	01/29/02	3,649.95	ND	24.80	0.00	3,625.15
	06/26/02	3,649.95	ND	24.85	0.00	3,625.10
	09/17/02	3,649.95	ND	24.95	0.00	3,625.00
	11/14/02	3,649.95	ND	24.86	0.00	3,625.09
	02/03/03	3,649.95	ND	24.80	0.00	3,625.15
	05/05/03	3,649.95	ND	24.93	0.00	3,625.02
	08/14/03	3,649.95	ND	25.01	0.00	3,624.94
	11/06/03	3,649.95	ND	25.05	0.00	3,624.90
	02/03/04	3,649.95	ND	25.07	0.00	3,624.88
	05/03/04	3,649.95	ND	24.49	0.00	3,625.46
	08/31/04	3,649.95	ND	24.73	0.00	3,625.22
	12/21/04	3,649.95	ND	21.95	0.00	3,628.00
	03/16/05	3,650.95	ND	22.48	0.00	3,628.47
	06/14/05	3,650.95	ND	22.85	0.00	3,628.10
	09/28/05	3,650.95	ND	21.77	0.00	3,629.18
	12/07/05	3,650.95	ND	23.16	0.00	3,627.79
	03/08/06	3,650.95	ND	23.22	0.00	3,627.73
	06/24/06	3,650.95	ND	23.76	0.00	3,627.19
	09/25/06	3,650.95	ND	22.88	0.00	3,628.07
	12/29/06	3,650.95	ND	22.60	0.00	3,628.35
	03/31/07	3,650.95	ND	22.94	0.00	3,628.01
	06/27/07	3,650.95	ND	22.98	0.00	3,627.97
	09/26/07	3,650.95	ND	23.00	0.00	3,627.95
	12/19/07	3,650.95	ND	23.33	0.00	3,627.62

TABLE 1

GROUNDWATER ELEVATION DATA

LF - 37
LEA COUNTY, NEW MEXICO
Plains EMS Number: 1999-LF-37

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 7	01/24/02	3,652.02	ND	25.76	0.00	3,626.26
	01/29/02	3,652.02	ND	25.74	0.00	3,626.28
	06/26/02	3,652.02	ND	25.79	0.00	3,626.23
	09/17/02	3,652.02	ND	25.90	0.00	3,626.12
	11/14/02	3,652.02	ND	25.73	0.00	3,626.29
	02/03/03	3,652.02	ND	25.76	0.00	3,626.26
	05/05/03	3,652.02	ND	25.88	0.00	3,626.14
	08/14/03	3,652.02	ND	25.95	0.00	3,626.07
	11/06/03	3,652.02	ND	25.99	0.00	3,626.03
	02/03/04	3,652.02	ND	26.03	0.00	3,625.99
	05/03/04	3,652.02	ND	25.48	0.00	3,626.54
	08/31/04	3,652.02	ND	25.65	0.00	3,626.37
	12/21/04	3,652.02	ND	22.80	0.00	3,629.22
	03/16/05	3,653.02	ND	23.28	0.00	3,629.74
		P&A				
MW - 8	01/24/02	3,649.12	ND	23.00	0.00	3,626.12
	01/29/02	3,649.12	ND	22.90	0.00	3,626.22
	06/26/02	3,649.12	ND	22.95	0.00	3,626.17
	09/17/02	3,649.12	ND	23.05	0.00	3,626.07
	11/14/02	3,649.12	ND	22.91	0.00	3,626.21
	02/03/03	3,649.12	ND	22.95	0.00	3,626.17
	05/05/03	3,649.12	ND	23.05	0.00	3,626.07
	08/14/03	3,649.12	ND	23.12	0.00	3,626.00
	11/06/03	3,649.12	ND	23.15	0.00	3,625.97
	02/03/04	3,649.12	ND	23.19	0.00	3,625.93
	05/03/04	3,649.12	ND	22.62	0.00	3,626.50
	08/31/04	3,649.12	ND	22.78	0.00	3,626.34
	12/21/04	3,649.12	ND	19.57	0.00	3,629.55
	03/16/05	3,649.12	ND	19.37	0.00	3,629.75
	06/14/05	3,649.12	ND	20.63	0.00	3,628.49
	09/28/05	3,649.12	ND	19.57	0.00	3,629.55
	12/07/05	3,649.12	ND	20.25	0.00	3,628.87
	03/08/06	3,649.12	ND	20.98	0.00	3,628.14
	06/24/06	3,649.12	ND	21.40	0.00	3,627.72
	09/25/06	3,649.12	ND	20.56	0.00	3,628.56
	12/29/06	3,649.12	ND	22.30	0.00	3,626.82
	03/31/07	3,649.12	ND	20.69	0.00	3,628.43
	06/27/07	3,649.12	ND	20.77	0.00	3,628.35
	09/26/07	3,649.12	ND	20.95	0.00	3,628.17
	12/19/07	3,649.12	ND	21.05	0.00	3,628.07

TABLE 1

GROUNDWATER ELEVATION DATA

LF - 37
LEA COUNTY, NEW MEXICO
Plains EMS Number: 1999-LF-37

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 9	01/24/02	3,646.40	ND	21.06	0.00	3,625.34
	01/29/02	3,646.40	ND	20.90	0.00	3,625.50
	06/26/02	3,646.40	ND	20.92	0.00	3,625.48
	09/17/02	3,646.40	ND	21.19	0.00	3,625.21
	11/14/02	3,646.40	ND	20.98	0.00	3,625.42
	02/03/03	3,646.40	ND	22.15	0.00	3,624.25
	05/05/03	3,646.40	ND	21.13	0.00	3,625.27
	08/14/03	3,646.40	ND	21.22	0.00	3,625.18
	11/06/03	3,646.40	ND	21.30	0.00	3,625.10
	02/03/04	3,646.40	ND	21.27	0.00	3,625.13
	05/03/04	3,646.40	ND	20.38	0.00	3,626.02
	08/31/04	P&A	ND	20.85	0.00	-20.85
	12/21/04	3,646.40	ND	17.09	0.00	3,629.31
	03/16/05	3,646.40	ND	18.19	0.00	3,628.21
	06/14/05	3,646.40	ND	18.88	0.00	3,627.52
	09/28/05	3,646.40	ND	18.01	0.00	3,628.39
	12/07/05	3,646.40	ND	19.12	0.00	3,627.28
	03/08/06	3,646.40	ND	19.21	0.00	3,627.19
	06/24/06	3,646.40	ND	19.63	0.00	3,626.77
	09/25/06	3,646.40	ND	18.75	0.00	3,627.65
	12/29/06	3,646.40	ND	18.38	0.00	3,628.02
	03/31/07	3,646.40	ND	18.81	0.00	3,627.59
	06/27/07	3,646.40	ND	18.80	0.00	3,627.60
	09/26/07	3,646.40	ND	18.97	0.00	3,627.43
	12/19/07	3,646.40	ND	19.18	0.00	3,627.22

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

LF - 37
LEA COUNTY, NEW MEXICO
Plains EMS Number: 1999-LF-37

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	METHOD: 8260b, 8021b				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 1	01/29/02	<0.001	<0.001	<0.001	<0.001	<0.001
	06/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
	09/17/02	<0.001	<0.001	<0.001	<0.001	<0.001
	11/14/02	<0.001	<0.001	<0.001	<0.001	<0.001
	02/04/03	<0.001	<0.001	<0.001	<0.001	<0.001
	05/05/03	<0.001	<0.001	<0.001	<0.001	<0.001
	08/14/03	<0.001	<0.001	<0.001	<0.001	<0.001
	11/06/03	<0.001	<0.001	<0.001	<0.002	<0.001
	02/03/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/21/04	<0.001	<0.001	<0.001	<0.001	<0.001
Plugged and Abandoned						

SAMPLE LOCATION	SAMPLE DATE	METHOD: 8260b, 8021b				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 2	01/29/02	<0.001	<0.001	<0.001	<0.001	<0.001
	06/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
	09/17/02	<0.001	<0.001	<0.001	<0.001	<0.001
	11/14/02	<0.001	<0.001	<0.001	<0.001	<0.001
	02/04/03	<0.001	<0.001	<0.001	<0.001	<0.001
	05/05/03	<0.001	<0.001	<0.001	<0.001	<0.001
	08/14/03	<0.001	<0.001	<0.001	<0.001	<0.001
	11/06/03	<0.001	<0.001	<0.001	<0.002	<0.001
	02/03/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/21/04	<0.001	<0.001	<0.001	<0.001	<0.001
	12/07/05	<0.00100	<0.00100	<0.00100	<0.00100	
	12/29/06	<0.00100	<0.00100	<0.00100	<0.00100	
	12/19/07	<0.00100	<0.00100	<0.00100	<0.00100	

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

LF - 37
LEA COUNTY, NEW MEXICO
Plains EMS Number: 1999-LF-37

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	METHOD: 8260b, 8021b				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 3	01/29/02	0.006	<0.001	<0.001	0.001	<0.001
	06/26/02	0.014	<0.001	0.004	0.012	<0.001
	09/17/02	0.011	<0.001	<0.001	0.005	<0.001
	11/14/02	0.018	<0.001	0.003	0.028	<0.001
	02/04/03	0.035	<0.001	0.004	0.044	<0.001
	05/05/03	0.011	<0.001	0.002	0.012	<0.001
	08/14/03	0.011	0.001	0.002	0.016	<0.001
	11/06/03	0.016	<0.001	0.003	0.019	<0.001
	02/03/04	0.013	<0.001	0.003	0.015	<0.001
	05/03/04	0.0236	0.00177	0.0109	<0.001	<0.001
	08/31/04	0.00902	<0.001	0.00175	0.00442	<0.001
	12/21/04	0.0999	<0.005	<0.005	0.0099	<0.005
	03/16/05	0.037	<0.005	<0.005	<0.005	<0.005
	06/14/05	0.023	<0.005	<0.005	<0.005	<0.005
	09/28/05	0.0576	<0.001	0.00374	0.00578	<0.001
	12/07/05	0.0219	<0.00100	0.0038	<0.00100	
	03/08/06	0.0186	<0.00100	0.0021	0.00640	
	06/24/06	0.0085	<0.00100	0.00100	0.0028	
	09/25/06	0.0969	<0.00100	<0.00100	0.00280	
	12/29/06	0.406	<0.0200	<0.0200	<0.0200	
	03/20/07	28.2	<5.00	<5.00	<5.00	
	06/27/07	<0.00100	<0.00100	<0.00100	0.00130	
	09/26/07	0.0632	<0.00100	0.00170	0.00490	
	12/19/07	0.00940	<0.00100	0.00150	0.00100	

SAMPLE LOCATION	SAMPLE DATE	METHOD: 8260b, 8021b				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 4	01/29/02	<0.001	<0.001	<0.001	<0.001	<0.001
	06/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
	09/17/02	<0.001	<0.001	<0.001	<0.001	<0.001
	11/14/02	<0.001	<0.001	<0.001	<0.001	<0.001
	02/04/03	<0.001	<0.001	<0.001	<0.001	<0.001
	05/05/03	<0.001	<0.001	<0.001	<0.001	<0.001
	08/14/03	<0.001	<0.001	<0.001	<0.001	<0.001
	11/06/03	<0.001	<0.001	<0.001	<0.002	<0.001
	02/03/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/21/04	<0.001	<0.001	<0.001	<0.001	<0.001
	06/16/05	<0.001	<0.001	<0.001	<0.001	<0.001
	12/07/05	<0.00100	<0.00100	<0.00100	0.0031	
	03/09/06	<0.00100	<0.00100	<0.00100	<0.00100	
	06/24/06	<0.00100	<0.00100	<0.00100	<0.00100	
	12/29/06	<0.00100	<0.00100	<0.00100	<0.00100	
	06/27/07	<0.00100	<0.00100	<0.00100	<0.00100	
	12/19/07	<0.00100	<0.00100	<0.00100	<0.00100	

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

LF - 37
LEA COUNTY, NEW MEXICO
Plains EMS Number: 1999-LF-37

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	METHOD: 8260b, 8021b				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 5	01/29/02	<0.001	<0.001	<0.001	<0.001	<0.001
	06/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
	09/17/02	<0.001	<0.001	<0.001	<0.001	<0.001
	11/14/02	<0.001	<0.001	<0.001	<0.001	<0.001
	02/04/03	<0.001	<0.001	<0.001	<0.001	<0.001
	05/05/03	<0.001	<0.001	<0.001	<0.001	<0.001
	08/14/03	<0.001	<0.001	<0.001	<0.001	<0.001
	11/06/03	<0.001	<0.001	<0.001	<0.002	<0.001
	02/03/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/21/04	0.0198	<0.001	0.00527	0.00587	<0.001
	12/07/05	<0.00100	<0.00100	<0.00100	<0.00100	
	12/29/06	<0.00100	<0.00100	<0.00100	<0.00100	
	12/19/07	<0.00100	<0.00100	<0.00100	<0.00100	

SAMPLE LOCATION	SAMPLE DATE	METHOD: 8260b, 8021b				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 6	01/29/02	<0.001	<0.001	<0.001	<0.001	<0.001
	06/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
	09/17/02	<0.001	<0.001	<0.001	<0.001	<0.001
	11/14/02	<0.001	<0.001	<0.001	<0.001	<0.001
	02/04/03	<0.001	<0.001	<0.001	<0.001	<0.001
	05/05/03	<0.001	<0.001	<0.001	<0.001	<0.001
	08/14/03	<0.001	<0.001	<0.001	<0.001	<0.001
	11/06/03	<0.001	<0.001	<0.001	<0.002	<0.001
	02/03/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/21/04	<0.001	<0.001	<0.001	<0.001	<0.001
	12/07/05	<0.00100	<0.00100	<0.00100	<0.00100	
	12/29/06	<0.00100	<0.00100	<0.00100	<0.00100	
	12/19/07	<0.00100	<0.00100	<0.00100	<0.00100	

SAMPLE LOCATION	SAMPLE DATE	METHOD: 8260b, 8021b				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 7	01/29/02	<0.001	<0.001	<0.001	<0.001	<0.001
	06/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
	09/17/02	<0.001	<0.001	<0.001	<0.001	<0.001
	11/14/02	<0.001	<0.001	<0.001	<0.001	<0.001
	02/04/03	<0.001	<0.001	<0.001	<0.001	<0.001
	05/05/03	<0.001	<0.001	<0.001	<0.001	<0.001
	08/14/03	<0.001	<0.001	<0.001	<0.001	<0.001
	11/06/03	<0.001	<0.001	<0.001	<0.002	<0.001
	02/03/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/21/04	<0.001	<0.001	<0.001	<0.001	<0.001
Plugged and Abandoned						

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

LF - 37
LEA COUNTY, NEW MEXICO
Plains EMS Number: 1999-LF-37

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	METHOD: 8260b, 8021b				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 8	01/29/02	<0.001	<0.001	<0.001	<0.001	<0.001
	06/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
	09/17/02	<0.001	<0.001	<0.001	<0.001	<0.001
	11/14/02	<0.001	<0.001	<0.001	<0.001	<0.001
	02/04/03	<0.001	<0.001	<0.001	<0.001	<0.001
	05/05/03	<0.001	<0.001	<0.001	<0.001	<0.001
	08/14/03	<0.001	<0.001	<0.001	<0.001	<0.001
	11/06/03	<0.001	<0.001	<0.001	<0.002	<0.001
	02/03/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/21/04	<0.001	<0.001	<0.001	<0.001	<0.001
	12/07/05	<0.00100	<0.00100	<0.00100	<0.00100	
	12/29/06	<0.00100	<0.00100	<0.00100	<0.00100	
	12/19/07	<0.00100	<0.00100	<0.00100	<0.00100	

SAMPLE LOCATION	SAMPLE DATE	METHOD: 8260b, 8021b				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 9	01/29/02	<0.001	<0.001	<0.001	<0.001	<0.001
	06/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
	09/17/02	<0.001	<0.001	<0.001	<0.001	<0.001
	11/14/02	<0.001	<0.001	<0.001	<0.001	<0.001
	02/04/03	<0.001	<0.001	<0.001	<0.001	<0.001
	05/05/03	<0.001	<0.001	<0.001	<0.001	<0.001
	08/14/03	<0.001	<0.001	<0.001	<0.001	<0.001
	11/06/03	<0.001	<0.001	<0.001	<0.002	<0.001
	02/03/04	<0.001	<0.001	<0.001	<0.002	<0.001
	12/21/04	<0.001	<0.001	<0.001	<0.001	<0.001
	12/07/05	<0.00100	<0.00100	<0.00100	<0.00100	
	12/29/06	<0.00100	<0.00100	<0.00100	<0.00100	
	12/19/07	<0.00100	<0.00100	<0.00100	<0.00100	

SAMPLE LOCATION	SAMPLE DATE	METHOD: 8260b, 8021b				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
EB - 1	01/29/02	<0.001	<0.001	<0.001	<0.001	<0.001
	06/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
	09/17/02	<0.001	<0.001	<0.001	<0.001	<0.001

Note: EB denotes Equipment Blank collected during sampling event.

APPENDIX I

Laboratory Results
1st Quarter 2007

LF-37

April 2008

Plains Marketing, L.P.
Houston, Texas

Prepared by:
BBC International, Inc.

Summary Report

Cliff Brunson
BBC International
1324 W. Marland
Hobbs, NM, 88240

Report Date: March 27, 2007

Work Order: 7032219

EMS#: 1999-LF-37
Project Location: Monument,NM
Project Name: LF-37

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
119497	MW #3	water	2007-03-20	13:00	2007-03-22

Sample: 119497 - MW #3

Param	Flag	Result	Units	RL
Benzene		28.2	µg/L	1.00
Toluene		<5.00	µg/L	1.00
Ethylbenzene		<5.00	µg/L	1.00
m,p-Xylene		<5.00	µg/L	1.00
o-Xylene		<5.00	µg/L	1.00

TRACEANALYSIS, INC.

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Analytical and Quality Control Report

Cliff Brunson
BBC International
1324 W. Marland
Hobbs, NM, 88240

Report Date: March 27, 2007

Work Order: 7032219

EMS#: 1999-LF-37
Project Location: Monument,NM
Project Name: LF-37
Project Number: LF-37 (Plains)

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
119497	MW #3	water	2007-03-20	13:00	2007-03-22

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 12 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 119497 - MW #3

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	35873	Date Analyzed:	2007-03-24	Analyzed By:	JG
Prep Batch:	31131	Sample Preparation:	2007-03-24	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		28.2	µg/L	5	1.00
Toluene		<5.00	µg/L	5	1.00
Ethylbenzene		<5.00	µg/L	5	1.00
m,p-Xylene		<5.00	µg/L	5	1.00
o-Xylene		<5.00	µg/L	5	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		258	µg/L	5	250	103	82.4 - 115
Toluene-d8		247	µg/L	5	250	99	89.7 - 108
4-Bromofluorobenzene (4-BFB)		228	µg/L	5	250	91	84.6 - 114

Method Blank (1) QC Batch: 35873

QC Batch:	35873	Date Analyzed:	2007-03-24	Analyzed By:	JG
Prep Batch:	31131	QC Preparation:	2007-03-24	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.351	µg/L	1
Dichlorodifluoromethane		<0.306	µg/L	1
Chloromethane (methyl chloride)		<0.240	µg/L	1
Vinyl Chloride		<0.224	µg/L	1
Bromomethane (methyl bromide)		<0.325	µg/L	5
Chloroethane		<0.303	µg/L	1
Trichlorofluoromethane		<0.255	µg/L	1
Acetone		4.12	µg/L	10
Iodomethane (methyl iodide)		<0.397	µg/L	5
Carbon Disulfide		<0.354	µg/L	1
Acrylonitrile		<0.306	µg/L	1
2-Butanone (MEK)		<0.670	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.463	µg/L	5
2-Hexanone		<0.303	µg/L	5
trans 1,4-Dichloro-2-butene		<0.406	µg/L	10
1,1-Dichloroethene		<0.326	µg/L	1
Methylene chloride		3.23	µg/L	5
MTBE		<0.352	µg/L	1
trans-1,2-Dichloroethene		<0.322	µg/L	1
1,1-Dichloroethane		<0.324	µg/L	1
cis-1,2-Dichloroethene		<0.331	µg/L	1
2,2-Dichloropropane		<0.440	µg/L	1
1,2-Dichloroethane (EDC)		<0.327	µg/L	1

continued ...

method blank continued ...

Parameter	Flag	MDL Result	Units	RL
Chloroform		<0.345	µg/L	1
1,1,1-Trichloroethane		<0.303	µg/L	1
1,1-Dichloropropene		<0.356	µg/L	1
Benzene		<0.356	µg/L	1
Carbon Tetrachloride		<0.342	µg/L	1
1,2-Dichloropropane		<0.366	µg/L	1
Trichloroethene (TCE)		<0.434	µg/L	1
Dibromomethane (methylene bromide)		<0.406	µg/L	1
Bromodichloromethane		<0.325	µg/L	1
2-Chloroethyl vinyl ether		<0.366	µg/L	5
cis-1,3-Dichloropropene		<0.387	µg/L	1
trans-1,3-Dichloropropene		<0.307	µg/L	1
Toluene		<0.366	µg/L	1
1,1,2-Trichloroethane		<0.397	µg/L	1
1,3-Dichloropropane		<0.355	µg/L	1
Dibromochloromethane		<0.315	µg/L	1
1,2-Dibromoethane (EDB)		<0.340	µg/L	1
Tetrachloroethene (PCE)		<0.355	µg/L	1
Chlorobenzene		<0.363	µg/L	1
1,1,1,2-Tetrachloroethane		<0.338	µg/L	1
Ethylbenzene		<0.350	µg/L	1
m,p-Xylene		<0.752	µg/L	1
Bromoform		<0.275	µg/L	1
Styrene		<0.395	µg/L	1
o-Xylene		<0.375	µg/L	1
1,1,2,2-Tetrachloroethane		<0.283	µg/L	1
2-Chlorotoluene		<0.445	µg/L	1
1,2,3-Trichloropropane		<0.430	µg/L	1
Isopropylbenzene		<0.521	µg/L	1
Bromobenzene		<0.494	µg/L	1
n-Propylbenzene		<0.483	µg/L	1
1,3,5-Trimethylbenzene		<0.487	µg/L	1
tert-Butylbenzene		<0.496	µg/L	1
1,2,4-Trimethylbenzene		<0.532	µg/L	1
1,4-Dichlorobenzene (para)		<0.413	µg/L	1
sec-Butylbenzene		<0.449	µg/L	1
1,3-Dichlorobenzene (meta)		<0.451	µg/L	1
p-Isopropyltoluene		<0.450	µg/L	1
4-Chlorotoluene		<0.489	µg/L	1
1,2-Dichlorobenzene (ortho)		<0.438	µg/L	1
n-Butylbenzene		<0.461	µg/L	1
1,2-Dibromo-3-chloropropane		<0.532	µg/L	5
1,2,3-Trichlorobenzene		0.660	µg/L	5
1,2,4-Trichlorobenzene		<0.273	µg/L	5
Naphthalene		0.450	µg/L	5
Hexachlorobutadiene		0.520	µg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		50.4	µg/L	1	50.0	101	82.4 - 115

continued ...

method blank continued ...

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Toluene-d8		49.5	µg/L	1	50.0	99	89.7 - 108
4-Bromofluorobenzene (4-BFB)		44.3	µg/L	1	50.0	89	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 35873 | Date Analyzed: 2007-03-24 | Analyzed By: JG
Prep Batch: 31131 | QC Preparation: 2007-03-24 | Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	52.8	µg/L	1	50.0	<0.351	106	85.7 - 113
Dichlorodifluoromethane	38.2	µg/L	1	50.0	<0.306	76	60.3 - 134
Chloromethane (methyl chloride)	51.5	µg/L	1	50.0	<0.240	103	72 - 120
Vinyl Chloride	52.2	µg/L	1	50.0	<0.224	104	64.4 - 132
Bromomethane (methyl bromide)	58.4	µg/L	1	50.0	<0.325	117	65.9 - 133
Chloroethane	58.4	µg/L	1	50.0	<0.303	117	65.3 - 132
Trichlorofluoromethane	53.7	µg/L	1	50.0	<0.255	107	52.7 - 159
Acetone	51.4	µg/L	1	50.0	<1.86	103	10 - 185
Iodomethane (methyl iodide)	48.5	µg/L	1	50.0	<0.397	97	80.9 - 112
Carbon Disulfide	47.5	µg/L	1	50.0	<0.354	95	73.7 - 120
Acrylonitrile	56.8	µg/L	1	50.0	<0.306	114	75.8 - 121
2-Butanone (MEK)	45.9	µg/L	1	50.0	<0.670	92	43.7 - 117
4-Methyl-2-pentanone (MIBK)	53.7	µg/L	1	50.0	<0.463	107	69.3 - 120
2-Hexanone	58.6	µg/L	1	50.0	<0.303	117	35.6 - 138
trans 1.4-Dichloro-2-butene	42.1	µg/L	1	50.0	<0.407	84	40 - 128
1,1-Dichloroethene	46.2	µg/L	1	50.0	<0.326	92	83.4 - 114
Methylene chloride	51.9	µg/L	1	50.0	<0.375	104	62.6 - 119
MTBE	52.6	µg/L	1	50.0	<0.352	105	70 - 132
trans-1,2-Dichloroethene	50.5	µg/L	1	50.0	<0.322	101	83.3 - 114
1,1-Dichloroethane	50.2	µg/L	1	50.0	<0.324	100	87.8 - 113
cis-1.2-Dichloroethene	51.4	µg/L	1	50.0	<0.331	103	83.8 - 115
2,2-Dichloropropane	22.9	µg/L	1	50.0	<0.440	46	37.9 - 136
1,2-Dichloroethane (EDC)	51.5	µg/L	1	50.0	<0.327	103	82.6 - 122
Chloroform	51.1	µg/L	1	50.0	<0.345	102	84.8 - 116
1,1,1-Trichloroethane	49.5	µg/L	1	50.0	<0.303	99	72.9 - 123
1,1-Dichloropropene	49.6	µg/L	1	50.0	<0.356	99	85.9 - 119
Benzene	50.1	µg/L	1	50.0	<0.356	100	83.5 - 115
Carbon Tetrachloride	47.6	µg/L	1	50.0	<0.342	95	62.7 - 144
1,2-Dichloropropane	52.6	µg/L	1	50.0	<0.366	105	88.8 - 114
Trichloroethene (TCE)	46.8	µg/L	1	50.0	<0.434	94	91.3 - 111
Dibromomethane (methylene bromide)	51.9	µg/L	1	50.0	<0.406	104	84.2 - 118
Bromodichloromethane	52.5	µg/L	1	50.0	<0.325	105	79.5 - 127
2-Chloroethyl vinyl ether	52.6	µg/L	1	50.0	<0.366	105	75.1 - 128
cis-1,3-Dichloropropene	46.4	µg/L	1	50.0	<0.387	93	83.2 - 119
trans-1.3-Dichloropropene	49.9	µg/L	1	50.0	<0.367	100	77.4 - 126
Toluene	48.5	µg/L	1	50.0	<0.366	97	82 - 110
1,1,2-Trichloroethane	52.5	µg/L	1	50.0	<0.397	105	77 - 123
1,3-Dichloropropane	53.6	µg/L	1	50.0	<0.355	107	81.1 - 124

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dibromochloromethane	54.4	µg/L	1	50.0	<0.315	109	79 - 129
1,2-Dibromoethane (EDB)	53.2	µg/L	1	50.0	<0.340	106	78.6 - 126
Tetrachloroethene (PCE)	53.6	µg/L	1	50.0	<0.355	107	36.7 - 173
Chlorobenzene	47.2	µg/L	1	50.0	<0.363	94	87.9 - 109
1,1,1,2-Tetrachloroethane	53.3	µg/L	1	50.0	<0.338	107	80.5 - 125
Ethylbenzene	52.4	µg/L	1	50.0	<0.350	105	82.4 - 116
m,p-Xylene	106	µg/L	1	100	<0.752	106	80 - 119
Bromoform	53.6	µg/L	1	50.0	<0.275	107	75.8 - 132
Styrene	55.8	µg/L	1	50.0	<0.395	112	84.2 - 117
o-Xylene	54.7	µg/L	1	50.0	<0.375	109	82.1 - 119
1,1,2,2-Tetrachloroethane	54.4	µg/L	1	50.0	<0.283	109	69.7 - 124
2-Chlorotoluene	50.5	µg/L	1	50.0	<0.445	101	76.5 - 123
1,2,3-Trichloropropane	48.3	µg/L	1	50.0	<0.430	97	66.3 - 130
Isopropylbenzene	50.0	µg/L	1	50.0	<0.521	100	78.3 - 123
Bromobenzene	48.8	µg/L	1	50.0	<0.494	98	79.9 - 122
n-Propylbenzene	48.9	µg/L	1	50.0	<0.483	98	72.6 - 122
1,3,5-Trimethylbenzene	50.1	µg/L	1	50.0	<0.487	100	69.6 - 127
tert-Butylbenzene	47.6	µg/L	1	50.0	<0.496	95	64 - 129
1,2,4-Trimethylbenzene	50.2	µg/L	1	50.0	<0.532	100	71 - 123
1,4-Dichlorobenzene (para)	47.0	µg/L	1	50.0	<0.413	94	74 - 118
sec-Butylbenzene	47.2	µg/L	1	50.0	<0.449	94	59.8 - 129
1,3-Dichlorobenzene (meta)	48.7	µg/L	1	50.0	<0.451	97	80.2 - 119
p-Isopropyltoluene	46.8	µg/L	1	50.0	<0.450	94	54.8 - 135
4-Chlorotoluene	49.8	µg/L	1	50.0	<0.489	100	78.9 - 124
1,2-Dichlorobenzene (ortho)	50.0	µg/L	1	50.0	<0.438	100	80 - 120
n-Butylbenzene	44.6	µg/L	1	50.0	<0.461	89	51.1 - 136
1,2-Dibromo-3-chloropropane	49.6	µg/L	1	50.0	<0.532	99	38.2 - 151
1,2,3-Trichlorobenzene	41.6	µg/L	1	50.0	<0.288	83	25.4 - 158
1,2,4-Trichlorobenzene	41.5	µg/L	1	50.0	<0.273	83	38.2 - 140
Naphthalene	46.0	µg/L	1	50.0	<0.299	92	33.3 - 152
Hexachlorobutadiene	37.1	µg/L	1	50.0	<0.483	74	49.1 - 134

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	52.0	µg/L	1	50.0	<0.351	104	85.7 - 113	2	20
Dichlorodifluoromethane	38.3	µg/L	1	50.0	<0.306	77	60.3 - 134	0	20
Chloromethane (methyl chloride)	50.3	µg/L	1	50.0	<0.240	101	72 - 120	2	20
Vinyl Chloride	52.0	µg/L	1	50.0	<0.224	104	64.4 - 132	0	20
Bromomethane (methyl bromide)	55.8	µg/L	1	50.0	<0.325	112	65.9 - 133	5	20
Chloroethane	56.3	µg/L	1	50.0	<0.303	113	65.3 - 132	4	20
Trichlorofluoromethane	51.2	µg/L	1	50.0	<0.255	102	52.7 - 159	5	20
Acetone	53.0	µg/L	1	50.0	<1.86	106	10 - 185	3	20
Iodomethane (methyl iodide)	49.2	µg/L	1	50.0	<0.397	98	80.9 - 112	1	20
Carbon Disulfide	47.8	µg/L	1	50.0	<0.354	96	73.7 - 120	1	20
Acrylonitrile	57.0	µg/L	1	50.0	<0.306	114	75.8 - 121	0	20
2-Butanone (MEK)	48.0	µg/L	1	50.0	<0.670	96	43.7 - 117	4	20
4-Methyl-2-pentanone (MIBK)	57.4	µg/L	1	50.0	<0.463	115	69.3 - 120	7	20
2-Hexanone	60.0	µg/L	1	50.0	<0.303	120	35.6 - 138	2	20
trans 1,4-Dichloro-2-butene	42.4	µg/L	1	50.0	<0.407	85	40 - 128	1	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,1-Dichloroethene	46.9	µg/L	1	50.0	<0.326	94	83.4 - 114	2	20
Methylene chloride	51.6	µg/L	1	50.0	<0.375	103	62.6 - 119	1	20
MTBE	53.2	µg/L	1	50.0	<0.352	106	70 - 132	1	20
trans-1,2-Dichloroethene	50.5	µg/L	1	50.0	<0.322	101	83.3 - 114	0	20
1,1-Dichloroethane	49.8	µg/L	1	50.0	<0.324	100	87.8 - 113	1	20
cis-1,2-Dichloroethene	51.0	µg/L	1	50.0	<0.331	102	83.8 - 115	1	20
2,2-Dichloropropane	22.9	µg/L	1	50.0	<0.440	46	37.9 - 136	0	20
1,2-Dichloroethane (EDC)	50.6	µg/L	1	50.0	<0.327	101	82.6 - 122	2	20
Chloroform	50.2	µg/L	1	50.0	<0.345	100	84.8 - 116	2	20
1,1,1-Trichloroethane	49.3	µg/L	1	50.0	<0.303	99	72.9 - 123	0	20
1,1-Dichloropropene	50.3	µg/L	1	50.0	<0.356	101	85.9 - 119	1	20
Benzene	50.2	µg/L	1	50.0	<0.356	100	83.5 - 115	0	20
Carbon Tetrachloride	48.0	µg/L	1	50.0	<0.342	96	62.7 - 144	1	20
1,2-Dichloropropane	52.9	µg/L	1	50.0	<0.366	106	88.8 - 114	1	20
Trichloroethene (TCE)	47.3	µg/L	1	50.0	<0.434	95	91.3 - 111	1	20
Dibromomethane (methylene bromide)	51.3	µg/L	1	50.0	<0.406	103	84.2 - 118	1	20
Bromodichloromethane	52.5	µg/L	1	50.0	<0.325	105	79.5 - 127	0	20
2-Chloroethyl vinyl ether	52.9	µg/L	1	50.0	<0.366	106	75.1 - 128	1	20
cis-1,3-Dichloropropene	47.1	µg/L	1	50.0	<0.387	94	83.2 - 119	2	20
trans-1,3-Dichloropropene	50.0	µg/L	1	50.0	<0.367	100	77.4 - 126	0	20
Toluene	48.4	µg/L	1	50.0	<0.366	97	82 - 110	0	20
1,1,2-Trichloroethane	53.0	µg/L	1	50.0	<0.397	106	77 - 123	1	20
1,3-Dichloropropane	53.8	µg/L	1	50.0	<0.355	108	81.1 - 124	0	20
Dibromochloromethane	53.7	µg/L	1	50.0	<0.315	107	79 - 129	1	20
1,2-Dibromoethane (EDB)	53.3	µg/L	1	50.0	<0.340	107	78.6 - 126	0	20
Tetrachloroethene (PCE)	55.6	µg/L	1	50.0	<0.355	111	36.7 - 173	4	20
Chlorobenzene	47.7	µg/L	1	50.0	<0.363	95	87.9 - 109	1	20
1,1,1,2-Tetrachloroethane	52.5	µg/L	1	50.0	<0.338	105	80.5 - 125	2	20
Ethylbenzene	53.1	µg/L	1	50.0	<0.350	106	82.4 - 116	1	20
m,p-Xylene	106	µg/L	1	100	<0.752	106	80 - 119	0	20
Bromoform	53.5	µg/L	1	50.0	<0.275	107	75.8 - 132	0	20
Styrene	55.6	µg/L	1	50.0	<0.395	111	84.2 - 117	0	20
o-Xylene	54.6	µg/L	1	50.0	<0.375	109	82.1 - 119	0	20
1,1,2,2-Tetrachloroethane	55.2	µg/L	1	50.0	<0.283	110	69.7 - 124	1	20
2-Chlorotoluene	51.4	µg/L	1	50.0	<0.445	103	76.5 - 123	2	20
1,2,3-Trichloropropane	50.1	µg/L	1	50.0	<0.430	100	66.3 - 130	4	20
Isopropylbenzene	51.8	µg/L	1	50.0	<0.521	104	78.3 - 123	4	20
Bromobenzene	50.4	µg/L	1	50.0	<0.494	101	79.9 - 122	3	20
n-Propylbenzene	50.4	µg/L	1	50.0	<0.483	101	72.6 - 122	3	20
1,3,5-Trimethylbenzene	51.2	µg/L	1	50.0	<0.487	102	69.6 - 127	2	20
tert-Butylbenzene	49.6	µg/L	1	50.0	<0.496	99	64 - 129	4	20
1,2,4-Trimethylbenzene	51.6	µg/L	1	50.0	<0.532	103	71 - 123	3	20
1,4-Dichlorobenzene (para)	48.1	µg/L	1	50.0	<0.413	96	74 - 118	2	20
sec-Butylbenzene	48.6	µg/L	1	50.0	<0.449	97	59.8 - 129	3	20
1,3-Dichlorobenzene (meta)	49.6	µg/L	1	50.0	<0.451	99	80.2 - 119	2	20
p-Isopropyltoluene	48.6	µg/L	1	50.0	<0.450	97	54.8 - 135	4	20
4-Chlorotoluene	50.8	µg/L	1	50.0	<0.489	102	78.9 - 124	2	20
1,2-Dichlorobenzene (ortho)	50.9	µg/L	1	50.0	<0.438	102	80 - 120	2	20
n-Butylbenzene	45.9	µg/L	1	50.0	<0.461	92	51.1 - 136	3	20
1,2-Dibromo-3-chloropropane	51.8	µg/L	1	50.0	<0.532	104	38.2 - 151	4	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,2,3-Trichlorobenzene	50.7	µg/L	1	50.0	<0.288	101	25.4 - 158	20	20
1,2,4-Trichlorobenzene	45.2	µg/L	1	50.0	<0.273	90	38.2 - 140	8	20
Naphthalene	53.4	µg/L	1	50.0	<0.299	107	33.3 - 152	15	20
Hexachlorobutadiene	39.5	µg/L	1	50.0	<0.483	79	49.1 - 134	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	50.1	49.4	µg/L	1	50.0	100	99	82.4 - 115
Toluene-d8	48.8	48.8	µg/L	1	50.0	98	98	89.7 - 108
4-Bromofluorobenzene (4-BFB)	48.7	47.8	µg/L	1	50.0	97	96	84.6 - 114

Matrix Spike (MS-1) Spiked Sample: 119498

QC Batch: 35873 | Date Analyzed: 2007-03-24 | Analyzed By: JG
Prep Batch: 31131 | QC Preparation: 2007-03-24 | Prepared By: JG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	51.8	µg/L	1	50.0	<0.0699	104	82.5 - 118
Dichlorodifluoromethane	42.6	µg/L	1	50.0	<0.0598	85	46.8 - 125
Chloromethane (methyl chloride)	50.1	µg/L	1	50.0	<0.230	100	67.1 - 127
Vinyl Chloride	50.6	µg/L	1	50.0	<0.0902	101	63.7 - 129
Bromomethane (methyl bromide)	51.5	µg/L	1	50.0	<0.740	103	65.7 - 127
Chloroethane	53.8	µg/L	1	50.0	<0.195	108	69.9 - 131
Trichlorofluoromethane	54.4	µg/L	1	50.0	<0.160	109	60.2 - 134
Acetone	46.8	µg/L	1	50.0	<0.854	94	12.1 - 136
Iodomethane (methyl iodide)	49.4	µg/L	1	50.0	<0.112	99	75.7 - 115
Carbon Disulfide	48.3	µg/L	1	50.0	<0.0764	97	67.6 - 131
Acrylonitrile	58.5	µg/L	1	50.0	<0.184	117	79.9 - 131
2-Butanone (MEK)	48.4	µg/L	1	50.0	<0.394	97	28.7 - 137
4-Methyl-2-pentanone (MIBK)	57.9	µg/L	1	50.0	<0.484	116	77.1 - 122
2-Hexanone	60.8	µg/L	1	50.0	<0.0975	122	42.3 - 145
trans 1,4-Dichloro-2-butene	41.0	µg/L	1	50.0	<0.421	82	38.5 - 122
1,1-Dichloroethene	47.3	µg/L	1	50.0	<0.0736	95	78.7 - 119
Methylene chloride	47.8	µg/L	1	50.0	<0.689	96	64.9 - 121
MTBE	53.7	µg/L	1	50.0	<0.0504	107	46.6 - 162
trans-1,2-Dichloroethene	50.6	µg/L	1	50.0	<0.0598	101	75.1 - 119
1,1-Dichloroethane	50.5	µg/L	1	50.0	<0.0299	101	86.3 - 119
cis-1,2-Dichloroethene	51.1	µg/L	1	50.0	<0.101	102	82.6 - 116
2,2-Dichloropropane	22.0	µg/L	1	50.0	<0.0665	44	7.8 - 109
1,2-Dichloroethane (EDC)	50.8	µg/L	1	50.0	<0.0557	102	82.7 - 130
Chloroform	49.9	µg/L	1	50.0	<0.0475	100	83.6 - 119
1,1,1-Trichloroethane	49.9	µg/L	1	50.0	<0.0846	100	69.6 - 126
1,1-Dichloropropene	50.2	µg/L	1	50.0	<0.0423	100	79.2 - 121
Benzene	49.6	µg/L	1	50.0	<0.0495	99	75.8 - 125
Carbon Tetrachloride	48.2	µg/L	1	50.0	<0.121	96	58.7 - 143
1,2-Dichloropropane	52.6	µg/L	1	50.0	<0.0933	105	88.4 - 117
Trichloroethene (TCE)	46.5	µg/L	1	50.0	<0.0495	93	83.6 - 112

continued ...

matrix spikes continued ...

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dibromomethane (methylene bromide)	51.1	µg/L	1	50.0	<0.0640	102	90.7 - 117
Bromodichloromethane	51.4	µg/L	1	50.0	<0.0651	103	83.4 - 127
2-Chloroethyl vinyl ether	52.6	µg/L	1	50.0	<0.0905	105	10 - 211
cis-1.3-Dichloropropene	46.0	µg/L	1	50.0	<0.0640	92	78.6 - 113
trans-1.3-Dichloropropene	48.3	µg/L	1	50.0	<0.0504	97	81.8 - 113
Toluene	47.9	µg/L	1	50.0	<0.0736	96	81.6 - 115
1.1,2-Trichloroethane	52.4	µg/L	1	50.0	<0.106	105	83.2 - 122
1.3-Dichloropropane	53.6	µg/L	1	50.0	<0.0625	107	87.3 - 123
Dibromochloromethane	53.9	µg/L	1	50.0	<0.0791	108	81.4 - 130
1,2-Dibromoethane (EDB)	53.9	µg/L	1	50.0	<0.0460	108	91.4 - 118
Tetrachloroethene (PCE)	44.7	µg/L	1	50.0	<0.0696	89	51.8 - 111
Chlorobenzene	47.1	µg/L	1	50.0	<0.0217	94	83.9 - 113
1,1,1,2-Tetrachloroethane	52.5	µg/L	1	50.0	<0.125	105	79.5 - 127
Ethylbenzene	52.0	µg/L	1	50.0	<0.0566	104	75.4 - 121
m,p-Xylene	105	µg/L	1	100	<0.0363	105	74 - 124
Bromoform	51.7	µg/L	1	50.0	<0.0859	103	77.5 - 134
Styrene [1]	2.06	µg/L	1	50.0	<0.0394	4	10 - 180
o-Xylene	52.1	µg/L	1	50.0	<0.0504	104	75.4 - 126
1,1.2.2-Tetrachloroethane	54.5	µg/L	1	50.0	<0.0672	109	86.4 - 122
2-Chlorotoluene	50.8	µg/L	1	50.0	<0.0283	102	69.2 - 128
1.2.3-Trichloropropane	50.3	µg/L	1	50.0	<0.0679	101	75.8 - 121
Isopropylbenzene	50.9	µg/L	1	50.0	<0.0406	102	69.6 - 127
Bromobenzene	50.0	µg/L	1	50.0	<0.103	100	77.1 - 125
n-Propylbenzene	49.4	µg/L	1	50.0	<0.0423	99	67.1 - 125
1.3.5-Trimethylbenzene	50.3	µg/L	1	50.0	<0.0557	101	66.1 - 126
tert-Butylbenzene	48.2	µg/L	1	50.0	<0.0770	96	63.9 - 126
1.2.4-Trimethylbenzene	48.9	µg/L	1	50.0	<0.0336	98	65 - 123
1,4-Dichlorobenzene (para)	47.2	µg/L	1	50.0	<0.0672	94	66.7 - 119
sec-Butylbenzene	47.4	µg/L	1	50.0	<0.0439	95	57.6 - 127
1.3-Dichlorobenzene (meta)	48.4	µg/L	1	50.0	<0.0672	97	78.8 - 118
p-Isopropyltoluene	47.0	µg/L	1	50.0	<0.0513	94	56.6 - 128
4-Chlorotoluene	50.3	µg/L	1	50.0	<0.0460	101	74 - 127
1.2-Dichlorobenzene (ortho)	50.5	µg/L	1	50.0	<0.0629	101	81.2 - 119
n-Butylbenzene	44.9	µg/L	1	50.0	<0.0400	90	50.4 - 130
1,2-Dibromo-3-chloropropane	53.4	µg/L	1	50.0	<0.538	107	55.7 - 152
1,2.3-Trichlorobenzene	50.4	µg/L	1	50.0	<0.504	101	32.6 - 149
1.2,4-Trichlorobenzene	44.3	µg/L	1	50.0	<0.166	89	35.8 - 144
Naphthalene	54.6	µg/L	1	50.0	<0.417	109	36.7 - 156
Hexachlorobutadiene	40.6	µg/L	1	50.0	<0.176	81	39.6 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	51.6	µg/L	1	50.0	<0.0699	103	82.5 - 118	0	20
Dichlorodifluoromethane	40.1	µg/L	1	50.0	<0.0598	80	46.8 - 125	6	20
Chloromethane (methyl chloride)	49.4	µg/L	1	50.0	<0.230	99	67.1 - 127	1	20
Vinyl Chloride	49.8	µg/L	1	50.0	<0.0902	100	63.7 - 129	2	20
Bromomethane (methyl bromide)	51.8	µg/L	1	50.0	<0.740	104	65.7 - 127	1	20
Chloroethane	53.7	µg/L	1	50.0	<0.195	107	69.9 - 131	0	20

continued ...

[1]MS recovery out of control limits. LCS/LCSD show analysis to be in control. •

matrix spikes continued ...

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Trichlorofluoromethane	53.3	µg/L	1	50.0	<0.160	107	60.2 - 134	2	20
Acetone	46.2	µg/L	1	50.0	<0.854	92	12.1 - 136	1	20
Iodomethane (methyl iodide)	48.4	µg/L	1	50.0	<0.112	97	75.7 - 115	2	20
Carbon Disulfide	47.0	µg/L	1	50.0	<0.0764	94	67.6 - 131	3	20
Acrylonitrile	58.3	µg/L	1	50.0	<0.184	117	79.9 - 131	0	20
2-Butanone (MEK)	47.0	µg/L	1	50.0	<0.394	94	28.7 - 137	3	20
4-Methyl-2-pentanone (MIBK)	56.6	µg/L	1	50.0	<0.484	113	77.1 - 122	2	20
2-Hexanone	59.5	µg/L	1	50.0	<0.0975	119	42.3 - 145	2	20
trans 1,4-Dichloro-2-butene	40.6	µg/L	1	50.0	<0.421	81	38.5 - 122	1	20
1,1-Dichloroethene	46.8	µg/L	1	50.0	<0.0736	94	78.7 - 119	1	20
Methylene chloride	47.6	µg/L	1	50.0	<0.689	95	64.9 - 121	0	20
MTBE	53.6	µg/L	1	50.0	<0.0504	107	46.6 - 162	0	20
trans-1,2-Dichloroethene	49.6	µg/L	1	50.0	<0.0598	99	75.1 - 119	2	20
1,1-Dichloroethane	49.8	µg/L	1	50.0	<0.0299	100	86.3 - 119	1	20
cis-1,2-Dichloroethene	50.8	µg/L	1	50.0	<0.101	102	82.6 - 116	1	20
2,2-Dichloropropane	21.3	µg/L	1	50.0	<0.0665	43	7.8 - 109	3	20
1,2-Dichloroethane (EDC)	50.2	µg/L	1	50.0	<0.0557	100	82.7 - 130	1	20
Chloroform	49.7	µg/L	1	50.0	<0.0475	99	83.6 - 119	0	20
1,1,1-Trichloroethane	49.4	µg/L	1	50.0	<0.0846	99	69.6 - 126	1	20
1,1-Dichloropropene	50.6	µg/L	1	50.0	<0.0423	101	79.2 - 121	1	20
Benzene	49.8	µg/L	1	50.0	<0.0495	100	75.8 - 125	0	20
Carbon Tetrachloride	48.1	µg/L	1	50.0	<0.121	96	58.7 - 143	0	20
1,2-Dichloropropane	52.5	µg/L	1	50.0	<0.0933	105	88.4 - 117	0	20
Trichloroethene (TCE)	46.2	µg/L	1	50.0	<0.0495	92	83.6 - 112	1	20
Dibromomethane (methylene bromide)	51.1	µg/L	1	50.0	<0.0640	102	90.7 - 117	0	20
Bromodichloromethane	51.8	µg/L	1	50.0	<0.0651	104	83.4 - 127	1	20
2-Chloroethyl vinyl ether	52.5	µg/L	1	50.0	<0.0905	105	10 - 211	0	20
cis-1,3-Dichloropropene	46.0	µg/L	1	50.0	<0.0640	92	78.6 - 113	0	20
trans-1,3-Dichloropropene	48.5	µg/L	1	50.0	<0.0504	97	81.8 - 113	0	20
Toluene	47.9	µg/L	1	50.0	<0.0736	96	81.6 - 115	0	20
1,1,2-Trichloroethane	52.8	µg/L	1	50.0	<0.106	106	83.2 - 122	1	20
1,3-Dichloropropane	53.8	µg/L	1	50.0	<0.0625	108	87.3 - 123	0	20
Dibromochloromethane	54.7	µg/L	1	50.0	<0.0791	109	81.4 - 130	2	20
1,2-Dibromoethane (EDB)	54.4	µg/L	1	50.0	<0.0460	109	91.4 - 118	1	20
Tetrachloroethene (PCE)	44.6	µg/L	1	50.0	<0.0696	89	51.8 - 111	0	20
Chlorobenzene	47.1	µg/L	1	50.0	<0.0217	94	83.9 - 113	0	20
1,1,1,2-Tetrachloroethane	52.6	µg/L	1	50.0	<0.125	105	79.5 - 127	0	20
Ethylbenzene	52.2	µg/L	1	50.0	<0.0566	104	75.4 - 121	0	20
m,p-Xylene	105	µg/L	1	100	<0.0363	105	74 - 124	0	20
Bromoform	53.0	µg/L	1	50.0	<0.0859	106	77.5 - 134	2	20
Styrene [2]	1.65	µg/L	1	50.0	<0.0394	3	10 - 180	22	20
o-Xylene	52.6	µg/L	1	50.0	<0.0504	105	75.4 - 126	1	20
1,1,2,2-Tetrachloroethane	55.1	µg/L	1	50.0	<0.0672	110	86.4 - 122	1	20
2-Chlorotoluene	51.0	µg/L	1	50.0	<0.0283	102	69.2 - 128	0	20
1,2,3-Trichloropropane	51.0	µg/L	1	50.0	<0.0679	102	75.8 - 121	1	20
Isopropylbenzene	51.0	µg/L	1	50.0	<0.0406	102	69.6 - 127	0	20
Bromobenzene	50.2	µg/L	1	50.0	<0.103	100	77.1 - 125	0	20
n-Propylbenzene	48.6	µg/L	1	50.0	<0.0423	97	67.1 - 125	2	20
1,3,5-Trimethylbenzene	49.7	µg/L	1	50.0	<0.0557	99	66.1 - 126	1	20

continued ...

[2]MS recovery out of control limits. LCS/LCSD show analysis to be in control. •

matrix spikes continued ...

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
tert-Butylbenzene	47.9	µg/L	1	50.0	<0.0770	96	63.9 - 126	1	20
1,2,4-Trimethylbenzene	48.3	µg/L	1	50.0	<0.0330	97	65 - 123	1	20
1,4-Dichlorobenzene (para)	46.7	µg/L	1	50.0	<0.0672	93	66.7 - 119	1	20
sec-Butylbenzene	46.5	µg/L	1	50.0	<0.0439	93	57.6 - 127	2	20
1,3-Dichlorobenzene (meta)	48.6	µg/L	1	50.0	<0.0672	97	78.8 - 118	0	20
p-Isopropyltoluene	46.1	µg/L	1	50.0	<0.0513	92	56.6 - 128	2	20
4-Chlorotoluene	50.0	µg/L	1	50.0	<0.0460	100	74 - 127	1	20
1,2-Dichlorobenzene (ortho)	49.8	µg/L	1	50.0	<0.0629	100	81.2 - 119	1	20
n-Butylbenzene	43.9	µg/L	1	50.0	<0.0400	88	50.4 - 130	2	20
1,2-Dibromo-3-chloropropane	54.0	µg/L	1	50.0	<0.538	108	55.7 - 152	1	20
1,2,3-Trichlorobenzene	48.8	µg/L	1	50.0	<0.504	98	32.6 - 149	3	20
1,2,4-Trichlorobenzene	42.6	µg/L	1	50.0	<0.166	85	35.8 - 144	4	20
Naphthalene	54.1	µg/L	1	50.0	<0.417	108	36.7 - 156	1	20
Hexachlorobutadiene	40.3	µg/L	1	50.0	<0.176	81	39.6 - 125	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	49.5	49.0	µg/L	1	50	99	98	86.6 - 114
Toluene-d8	48.6	48.9	µg/L	1	50	97	98	91 - 109
4-Bromofluorobenzene (4-BFB)	46.9	47.6	µg/L	1	50	94	95	87.2 - 113

Standard (CCV-1)

QC Batch: 35873 Date Analyzed: 2007-03-24 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	53.0	106	70 - 130	2007-03-24
Dichlorodifluoromethane		µg/L	50.0	46.5	93	70 - 130	2007-03-24
Chloromethane (methyl chloride)		µg/L	50.0	51.5	103	70 - 130	2007-03-24
Vinyl Chloride		µg/L	50.0	52.1	104	80 - 120	2007-03-24
Bromomethane (methyl bromide)		µg/L	50.0	58.0	116	70 - 130	2007-03-24
Chloroethane		µg/L	50.0	56.0	112	70 - 130	2007-03-24
Trichlorofluoromethane		µg/L	50.0	58.3	117	70 - 130	2007-03-24
Acetone	[3]	µg/L	50.0	75.4	151	70 - 130	2007-03-24
Iodomethane (methyl iodide)		µg/L	50.0	50.3	101	70 - 130	2007-03-24
Carbon Disulfide		µg/L	50.0	50.8	102	70 - 130	2007-03-24
Acrylonitrile		µg/L	50.0	57.5	115	70 - 130	2007-03-24
2-Butanone (MEK)	[4]	µg/L	50.0	66.8	134	70 - 130	2007-03-24
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	56.6	113	70 - 130	2007-03-24
2-Hexanone	[5]	µg/L	50.0	74.1	148	70 - 130	2007-03-24
trans 1,4-Dichloro-2-butene		µg/L	50.0	56.7	113	70 - 130	2007-03-24

continued ...

[3] Acetone outside of control limits on CCV(1CV). CCV(1CV) component average is 108 which is within acceptable range. This is acceptable by Method 8000.

[4] 2-Butanone outside of control limits on CCV(1CV). CCV(1CV) component average is 108 which is within acceptable range. This is acceptable by Method 8000.

[5] 2-Hexanone outside of control limits on CCV(1CV). CCV(1CV) component average is 108 which is within acceptable range. This is acceptable by Method 8000.

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
1,1-Dichloroethene		µg/L	50.0	48.7	97	80 - 120	2007-03-24
Methylene chloride		µg/L	50.0	51.8	104	70 - 130	2007-03-24
MTBE		µg/L	50.0	54.0	108	70 - 130	2007-03-24
trans-1,2-Dichloroethene		µg/L	50.0	52.0	104	70 - 130	2007-03-24
1,1-Dichloroethane		µg/L	50.0	51.0	102	70 - 130	2007-03-24
cis-1,2-Dichloroethene		µg/L	50.0	52.4	105	70 - 130	2007-03-24
2,2-Dichloropropane		µg/L	50.0	51.7	103	70 - 130	2007-03-24
1,2-Dichloroethane (EDC)		µg/L	50.0	51.2	102	70 - 130	2007-03-24
Chloroform		µg/L	50.0	50.9	102	80 - 120	2007-03-24
1,1,1-Trichloroethane		µg/L	50.0	50.9	102	70 - 130	2007-03-24
1,1-Dichloropropene		µg/L	50.0	52.3	105	70 - 130	2007-03-24
Benzene		µg/L	50.0	51.0	102	70 - 130	2007-03-24
Carbon Tetrachloride		µg/L	50.0	49.5	99	70 - 130	2007-03-24
1,2-Dichloropropane		µg/L	50.0	53.2	106	80 - 120	2007-03-24
Trichloroethene (TCE)		µg/L	50.0	48.6	97	70 - 130	2007-03-24
Dibromomethane (methylene bromide)		µg/L	50.0	52.3	105	70 - 130	2007-03-24
Bromodichloromethane		µg/L	50.0	52.9	106	70 - 130	2007-03-24
2-Chloroethyl vinyl ether		µg/L	50.0	53.2	106	70 - 130	2007-03-24
cis-1,3-Dichloropropene		µg/L	50.0	54.4	109	70 - 130	2007-03-24
trans-1,3-Dichloropropene		µg/L	50.0	57.7	115	70 - 130	2007-03-24
Toluene		µg/L	50.0	49.7	99	80 - 120	2007-03-24
1,1,2-Trichloroethane		µg/L	50.0	53.4	107	70 - 130	2007-03-24
1,3-Dichloropropane		µg/L	50.0	53.9	108	70 - 130	2007-03-24
Dibromochloromethane		µg/L	50.0	55.0	110	70 - 130	2007-03-24
1,2-Dibromoethane (EDB)		µg/L	50.0	54.5	109	70 - 130	2007-03-24
Tetrachloroethene (PCE)		µg/L	50.0	48.5	97	70 - 130	2007-03-24
Chlorobenzene		µg/L	50.0	48.2	96	80 - 120	2007-03-24
1,1,1,2-Tetrachloroethane		µg/L	50.0	53.5	107	70 - 130	2007-03-24
Ethylbenzene		µg/L	50.0	54.3	109	80 - 120	2007-03-24
m,p-Xylene		µg/L	100	109	109	70 - 130	2007-03-24
Bromoform		µg/L	50.0	54.8	110	70 - 130	2007-03-24
Styrene		µg/L	50.0	57.8	116	70 - 130	2007-03-24
o-Xylene		µg/L	50.0	56.1	112	70 - 130	2007-03-24
1,1,2,2-Tetrachloroethane		µg/L	50.0	54.9	110	70 - 130	2007-03-24
2-Chlorotoluene		µg/L	50.0	53.0	106	70 - 130	2007-03-24
1,2,3-Trichloropropane		µg/L	50.0	53.9	108	70 - 130	2007-03-24
Isopropylbenzene		µg/L	50.0	53.7	107	70 - 130	2007-03-24
Bromobenzene		µg/L	50.0	51.8	104	70 - 130	2007-03-24
n-Propylbenzene		µg/L	50.0	52.5	105	70 - 130	2007-03-24
1,3,5-Trimethylbenzene		µg/L	50.0	52.9	106	70 - 130	2007-03-24
tert-Butylbenzene		µg/L	50.0	50.7	101	70 - 130	2007-03-24
1,2,4-Trimethylbenzene		µg/L	50.0	53.0	106	70 - 130	2007-03-24
1,4-Dichlorobenzene (para)		µg/L	50.0	49.6	99	70 - 130	2007-03-24
sec-Butylbenzene		µg/L	50.0	51.1	102	70 - 130	2007-03-24
1,3-Dichlorobenzene (meta)		µg/L	50.0	51.1	102	70 - 130	2007-03-24
p-Isopropyltoluene		µg/L	50.0	51.4	103	70 - 130	2007-03-24
4-Chlorotoluene		µg/L	50.0	52.4	105	70 - 130	2007-03-24
1,2-Dichlorobenzene (ortho)		µg/L	50.0	51.7	103	70 - 130	2007-03-24
n-Butylbenzene		µg/L	50.0	50.7	101	70 - 130	2007-03-24

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
1,2-Dibromo-3-chloropropane		µg/L	50.0	51.8	104	70 - 130	2007-03-24
1,2,3-Trichlorobenzene		µg/L	50.0	48.4	97	70 - 130	2007-03-24
1,2,4-Trichlorobenzene		µg/L	50.0	47.9	96	70 - 130	2007-03-24
Naphthalene		µg/L	50.0	50.8	102	70 - 130	2007-03-24
Hexachlorobutadiene		µg/L	50.0	44.7	89	70 - 130	2007-03-24

TraceAnalysis, Inc.

email: lab@traceanalysis.com

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200 East Sunset Rd., Suite E, El Paso, Texas 79922, Tel (915) 585-3443, Fax (915) 585-4944, 1 (888) 588-3443

6015 Harris Pkwy., Suite 110, Ft. Worth, Texas 76132, Tel (817) 201-5260

Company Name: BK International
Phone #: (505) 397 6388

Address: (Street, City, Zip) 1324 W. Marland
Fax #: (505) 397 0397

Contact Person: Cliff Brunson
E-mail:

Invoice to: (If different from above)

Project #:
Project Name: LF-57

Project Location (including state): Monument New Mexico
Sampler Signature: [signature]

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE		PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE		SAMPLING: DATE	TIME
119477	mw #3	3	1L	✓					✓				✓			3-20-07	1:00

ANALYSIS REQUEST (Circle or Specify Method No.)

- MTBE 8021B / 602 / 8260B / 624
- BTEX ~~8021B / 602~~ / 8260B / ~~624~~ — ✓ (mw #3)
- TPH 418.1 / TX1005 / TX1005 Ext(C35)
- TPH 8015 GRO / DRO / TVHC
- PAH 8270C / 625
- Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7
- TCLP Metals Ag As Ba Cd Cr Pb Se Hg
- TCLP Volatiles
- TCLP Semi Volatiles
- TCLP Pesticides
- RCI
- GC/MS Vol. 8260B / 624
- GC/MS Semi. Vol. 8270C / 625
- PCB's 8082 / 608
- Pesticides 8081A / 608
- BOD, TSS, pH
- Moisture Content
- Turn Around Time if different from standard
- Hold

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Roger Hernandez	3-20-07	5:00			

Relinquished by:	Date:	Time:	Received at Laboratory by:	Date:	Time:
			[signature]	3-22-07	11:00

LAB USE ONLY
Intact (Y) N
Headspace Y (N)
Temp 4.0
Log-in-Review [initials]

REMARKS:

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

Carrier # Bus ACT 30344802480

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

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[redacted]

LAB Order ID # 7032219 Page [redacted] of [redacted]

TraceAnalysis, Inc.

email: lab@traceanalysis.com

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6015 Harris Pkwy., Suite 110, Ft. Worth, Texas 76132, Tel (817) 201-5260

Company Name: RR International
Phone #: (505) 397 6388

Address: (Street, City, Zip) 1324 W. Marland
Fax #: (505) 3970397

Contact Person: Cliff Brunson
E-mail:

Invoice to: (If different from above)

Project #:
Project Name: LF-57

Project Location (including state): Monument New Mexico
Sampler Signature: [signature]

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	MTBE 8021B / 602 / 8260B / 624	BTEX ~~8021B / 602~~ / 8260B / ~~624~~	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	Turn Around Time if different from standard	Hold
119497	MW #3	3	VOA	✓				✓				✓		3-20-07	1:00		✓																	

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Roger Hernandez	3-20-07	5:00			
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received at Laboratory by:	Date:	Time:
			[signature]	3-22-07	11:00

LAB USE ONLY

Intact (Y) N
Headspace Y (N)
Temp 4°C
Log-in-Review [initials]

REMARKS:

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

3/27 KP

Carrier # Bus Ckt 30344502450

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

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Summary Report

Cliff Brunson
BBC International
1324 W. Marland
Hobbs, NM, 88240

Report Date: July 3, 2007

Work Order: 7062909

EMS#: 1999-LF-37
Project Location: Monument,NM
Project Name: LF-37

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
128789	MW #3	water	2007-06-27	01:10	2007-06-29
128790	MW #4	water	2007-06-27	01:35	2007-06-29

	BTEX				MTBE
Sample - Field Code	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)	MTBE (mg/L)
128789 - MW #3	<0.00100	<0.00100	<0.00100	**0.00130**	
128790 - MW #4	<0.00100	<0.00100	<0.00100	<0.00100	

APPENDIX II

Laboratory Results
2nd Quarter 2007

LF-37

April 2007

Plains Marketing, L.P.
Houston, Texas

Prepared by:
BBC International, Inc.

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 | Lubbock, Texas 79424 | 800•378•1296 | 806•794•1296 | FAX 806•794•1298
200 East Sunset Road, Suite E | El Paso, Texas 79922 | 888•588•3443 | 915•585•3443 | FAX 915•585•4944
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6015 Harris Parkway, Suite 110 | Ft. Worth, Texas 76132 | | 817•201•5260 |
E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Cliff Brunson
BBC International
1324 W. Marland
Hobbs, NM, 88240

Report Date: July 3, 2007

Work Order: 7062909

EMS#: 1999-LF-37
Project Location: Monument,NM
Project Name: LF-37
Project Number: LF-37 (Plains)

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
128789	MW #3	water	2007-06-27	01:10	2007-06-29
128790	MW #4	water	2007-06-27	01:35	2007-06-29

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Blair Leftwich

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 128789 - MW #3

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	38699	Date Analyzed:	2007-07-02	Analyzed By:	KB
Prep Batch:	33499	Sample Preparation:	2007-07-02	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene	*B*	**0.00130**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0991	mg/L	1	0.100	99	78.1 - 112
4-Bromofluorobenzene (4-BFB)		0.104	mg/L	1	0.100	104	63.1 - 120

Sample: 128790 - MW #4

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	38668	Date Analyzed:	2007-06-29	Analyzed By:	MT
Prep Batch:	33470	Sample Preparation:	2007-06-29	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0843	mg/L	1	0.100	84	71.7 - 119
4-Bromofluorobenzene (4-BFB)		0.0813	mg/L	1	0.100	81	43.8 - 126

Method Blank (1) QC Batch: 38668

QC Batch:	38668	Date Analyzed:	2007-06-29	Analyzed By:	MT
Prep Batch:	33470	QC Preparation:	2007-06-29	Prepared By:	MT

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000299	mg/L	0.001
Toluene		<0.000332	mg/L	0.001
Ethylbenzene		<0.000644	mg/L	0.001
Xylene		<0.000456	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0818	mg/L	1	0.100	82	64.9 - 111
4-Bromofluorobenzene (4-BFB)		0.0781	mg/L	1	0.100	78	35.3 - 121

Method Blank (1) QC Batch: 38699

QC Batch: 38699 | Date Analyzed: 2007-07-02 | Analyzed By: KB
Prep Batch: 33499 | QC Preparation: 2007-07-02 | Prepared By: KB

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000247	mg/L	0.001
Toluene		<0.000257	mg/L	0.001
Ethylbenzene		<0.000336	mg/L	0.001
Xylene		0.000500	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.112	mg/L	1	0.100	112	77.3 - 113
4-Bromofluorobenzene (4-BFB)		0.103	mg/L	1	0.100	103	77.2 - 116

Laboratory Control Spike (LCS-1)

QC Batch: 38668 | Date Analyzed: 2007-06-29 | Analyzed By: MT
Prep Batch: 33470 | QC Preparation: 2007-06-29 | Prepared By: MT

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0889	mg/L	1	0.100	<0.000299	89	70 - 130
Toluene	0.0889	mg/L	1	0.100	<0.000332	89	70 - 130
Ethylbenzene	0.0900	mg/L	1	0.100	<0.000644	90	70 - 130
Xylene	0.263	mg/L	1	0.300	<0.000456	88	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.0907	mg/L	1	0.100	<0.000299	91	70 - 130	2	20
Toluene	0.0907	mg/L	1	0.100	<0.000332	91	70 - 130	2	20
Ethylbenzene	0.0917	mg/L	1	0.100	<0.000644	92	70 - 130	2	20
Xylene	0.268	mg/L	1	0.300	<0.000456	89	70 - 130	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0915	0.0941	mg/L	1	0.100	92	94	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0933	0.0995	mg/L	1	0.100	93	100	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 38699 | Date Analyzed: 2007-07-02 | Analyzed By: KB
Prep Batch: 33499 | QC Preparation: 2007-07-02 | Prepared By: KB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.108	mg/L	1	0.100	<0.000247	108	82 - 118
Toluene	0.107	mg/L	1	0.100	<0.000257	107	81.4 - 118
Ethylbenzene	0.106	mg/L	1	0.100	<0.000336	106	81.5 - 120
Xylene	0.312	mg/L	1	0.300	<0.000218	104	82.2 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.102	mg/L	1	0.100	<0.000247	102	82 - 118	6	20
Toluene	0.102	mg/L	1	0.100	<0.000257	102	81.4 - 118	5	20
Ethylbenzene	0.102	mg/L	1	0.100	<0.000336	102	81.5 - 120	4	20
Xylene	0.304	mg/L	1	0.300	<0.000218	101	82.2 - 121	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.113	0.0953	mg/L	1	0.100	113	95	75.7 - 113
4-Bromofluorobenzene (4-BFB)	0.0978	0.0967	mg/L	1	0.100	98	97	75.8 - 110

Matrix Spike (MS-1) Spiked Sample: 128749

QC Batch: 38668 | Date Analyzed: 2007-06-29 | Analyzed By: MT
Prep Batch: 33470 | QC Preparation: 2007-06-29 | Prepared By: MT

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0869	mg/L	1	0.100	<0.000299	87	70 - 130
Toluene	0.0868	mg/L	1	0.100	<0.000332	87	70 - 130
Ethylbenzene	0.0871	mg/L	1	0.100	<0.000644	87	70 - 130
Xylene	0.254	mg/L	1	0.300	<0.000456	85	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.0816	mg/L	1	0.100	<0.000299	82	70 - 130	6	20
Toluene	0.0814	mg/L	1	0.100	<0.000332	81	70 - 130	6	20
Ethylbenzene	0.0816	mg/L	1	0.100	<0.000644	82	70 - 130	6	20
Xylene	0.238	mg/L	1	0.300	<0.000456	79	70 - 130	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0876	0.0902	mg/L	1	0.1	88	90	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0888	0.0936	mg/L	1	0.1	89	94	70 - 130

Matrix Spike (MS-1) Spiked Sample: 128925

QC Batch: 38699 | Date Analyzed: 2007-07-02 | Analyzed By: KB
Prep Batch: 33499 | QC Preparation: 2007-07-02 | Prepared By: KB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.142	mg/L	1	0.100	0.037	105	78.2 - 121
Toluene	0.123	mg/L	1	0.100	0.0248	98	73.7 - 122
Ethylbenzene	0.101	mg/L	1	0.100	0.0101	91	72.6 - 123
Xylene	0.312	mg/L	1	0.300	0.0418	90	76.4 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.132	mg/L	1	0.100	0.037	95	78.2 - 121	7	20
Toluene	0.115	mg/L	1	0.100	0.0248	90	73.7 - 122	7	20
Ethylbenzene	0.0952	mg/L	1	0.100	0.0101	85	72.6 - 123	6	20
Xylene	0.295	mg/L	1	0.300	0.0418	84	76.4 - 121	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0990	0.0891	mg/L	1	0.1	99	89	78.9 - 116
4-Bromofluorobenzene (4-BFB)	0.101	0.101	mg/L	1	0.1	101	101	67.9 - 122

Standard (ICV-1)

QC Batch: 38668 | Date Analyzed: 2007-06-29 | Analyzed By: MT

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0960	96	85 - 115	2007-06-29
Toluene		mg/L	0.100	0.0960	96	85 - 115	2007-06-29
Ethylbenzene		mg/L	0.100	0.0978	98	85 - 115	2007-06-29
Xylene		mg/L	0.300	0.288	96	85 - 115	2007-06-29

Standard (CCV-1)

QC Batch: 38668 | Date Analyzed: 2007-06-29 | Analyzed By: MT

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0851	85	85 - 115	2007-06-29
Toluene		mg/L	0.100	0.0853	85	85 - 115	2007-06-29
Ethylbenzene		mg/L	0.100	0.0853	85	85 - 115	2007-06-29
Xylene	[1]	mg/L	0.300	0.249	83	85 - 115	2007-06-29

[1]Xylene outside of control limits on CCV. CCV component average is 85 which is within acceptable range. This is acceptable by Method 8000.

Standard (ICV-1)

QC Batch: 38699 Date Analyzed: 2007-07-02 Analyzed By: KB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.101	101	85 - 115	2007-07-02
Toluene		mg/L	0.100	0.102	102	85 - 115	2007-07-02
Ethylbenzene		mg/L	0.100	0.102	102	85 - 115	2007-07-02
Xylene		mg/L	0.300	0.302	101	85 - 115	2007-07-02

Standard (CCV-1)

QC Batch: 38699 Date Analyzed: 2007-07-02 Analyzed By: KB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.106	106	85 - 115	2007-07-02
Toluene		mg/L	0.100	0.105	105	85 - 115	2007-07-02
Ethylbenzene		mg/L	0.100	0.103	103	85 - 115	2007-07-02
Xylene		mg/L	0.300	0.305	102	85 - 115	2007-07-02

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LAB Order ID # 7062909 Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

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6015 Harris Pkwy., Suite 110, Ft. Worth, Texas 76132, Tel (817) 201-5260

Company Name: BC International Phone #: (505) 397 6388

Address: (Street, City, Zip) 1324 w Maryland Hobbs NM, 88240 Fax #: (505) 397 0397

Contact Person: Cliff Brunson E-mail:

Invoice to: (If different from above)

Project #: Project Name: LF-37

Project Location (including state): Monument NM Sampler Signature:

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
128789	MW # 3	3	VOA	✓				✓				✓		6/27	1:10
790	MW # 4	3	VOA	✓				✓				✓		6/27	1:35

MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / [illegible]	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	Turn Around Time if different from standard	Hold
	✓																	
	✓																	

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Roger Hernandez	6/28/07	1205			
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received at Laboratory by:	Date:	Time:
			[illegible]	6/28/07	1115

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

LAB USE ONLY

Intact (Y) / N

Headspace Y (N)

Temp 4

Log-in-Review

REMARKS:

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

Carrier # [illegible]

TRACEANALYSIS, INC.

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6015 Harris Parkway, Suite 110 | Ft Worth, Texas 76132 | | 817•201•5260 |

E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Cliff Brunson
BBC International
1324 W. Marland
Hobbs, NM, 88240

Report Date: October 1, 2007

Work Order: 7092824

EMS#: 1999-LF-37
Project Location: Monument,NM
Project Name: LF-37
Project Number: LF-37 (Plains)

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
137741	MW-#3	water	2007-09-26	14:00	2007-09-28

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 4 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Blair Leftwich

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project LF-37 were received by TraceAnalysis, Inc. on 2007-09-28 and assigned to work order 7092824. Samples for work order 7092824 were received intact at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
BTEX	S 8021B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 7092824 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 137741 - MW-#3

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	41581	Date Analyzed:	2007-09-29	Analyzed By:	EB
Prep Batch:	35930	Sample Preparation:	2007-09-29	Prepared By:	EB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.0632**	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		**0.00170**	mg/L	1	0.00100
Xylene		**0.00490**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0942	mg/L	1	0.100	94	78.1 - 112
4-Bromofluorobenzene (4-BFB)		0.102	mg/L	1	0.100	102	63.1 - 120

Method Blank (1) QC Batch: 41581

QC Batch:	41581	Date Analyzed:	2007-09-29	Analyzed By:	EB
Prep Batch:	35930	QC Preparation:	2007-09-29	Prepared By:	EB

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000247	mg/L	0.001
Toluene		<0.000257	mg/L	0.001
Ethylbenzene		<0.000336	mg/L	0.001
Xylene		<0.000218	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0984	mg/L	1	0.100	98	77.3 - 113
4-Bromofluorobenzene (4-BFB)		0.0808	mg/L	1	0.100	81	77.2 - 116

Laboratory Control Spike (LCS-1)

QC Batch:	41581	Date Analyzed:	2007-09-29	Analyzed By:	EB
Prep Batch:	35930	QC Preparation:	2007-09-29	Prepared By:	EB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.102	mg/L	1	0.100	<0.000247	102	82 - 118
Toluene	0.101	mg/L	1	0.100	<0.000257	101	81.4 - 118
Ethylbenzene	0.0995	mg/L	1	0.100	<0.000336	100	81.5 - 120
Xylene	0.291	mg/L	1	0.300	<0.000218	97	82.2 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.0993	mg/L	1	0.100	<0.000247	99	82 - 118	3	20
Toluene	0.0983	mg/L	1	0.100	<0.000257	98	81.4 - 118	3	20
Ethylbenzene	0.0977	mg/L	1	0.100	<0.000336	98	81.5 - 120	2	20
Xylene	0.286	mg/L	1	0.300	<0.000218	95	82.2 - 121	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0951	0.0935	mg/L	1	0.100	95	94	75.7 - 113
4-Bromofluorobenzene (4-BFB)	0.0905	0.0896	mg/L	1	0.100	90	90	75.8 - 110

Standard (ICV-1)

QC Batch: 41581 Date Analyzed: 2007-09-29 Analyzed By: EB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.104	104	85 - 115	2007-09-29
Toluene		mg/L	0.100	0.102	102	85 - 115	2007-09-29
Ethylbenzene		mg/L	0.100	0.101	101	85 - 115	2007-09-29
Xylene		mg/L	0.300	0.295	98	85 - 115	2007-09-29

Standard (CCV-1)

QC Batch: 41581 Date Analyzed: 2007-09-29 Analyzed By: EB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.100	100	85 - 115	2007-09-29
Toluene		mg/L	0.100	0.0995	100	85 - 115	2007-09-29
Ethylbenzene		mg/L	0.100	0.0985	98	85 - 115	2007-09-29
Xylene		mg/L	0.300	0.290	97	85 - 115	2007-09-29

LAB Order ID # 70 12829 Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

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8808 Camp Bowie Blvd. West, Suite 180, Ft. Worth, Texas 76116, Tel (817) 201-5260, Fax (817) 560-4336

Company Name: BC International
Phone #: (505) 397 6388
Address: (Street, City, Zip) 1328 W. Maryland
Fax #: (505) 397 0397
Contact Person: Cliff Dawson
E-mail:
Invoice to: (If different from above)
Project #:
Project Name: LF-37
Project Location (including state): Monument NM
Sampler Signature: Roger Hanson

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / [illegible]	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	Turn Around Time if different from standard	Hold
13774	MW #3	3	VOA	✓				✓				✓		9/26	2:00		✓																	

Relinquished by: Roger Hanson Company: BC Date: 9/26/07 Time: 4:30
Received by: Company: Date: Time: Temp°c:
Relinquished by: Company: Date: Time:
Received by: Company: Date: Time: Temp°c:
Relinquished by: Company: Date: Time:
Received by: Company: Date: Time: Temp°c:
[illegible] 0720 1100 4°

LAB USE ONLY
Intact Y N
Headspace Y N NA
Log-in-Review

REMARKS:

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

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LAB Order ID # ______ Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

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8808 Camp Bowie Blvd. West, Suite 180, Ft. Worth, Texas 76116, Tel (817) 201-5260, Fax (817) 560-4336

Company Name: BBC International
Phone #: (505) 397 6388
Address: (Street, City, Zip) 1324 W. Marland
Fax #: (505) 397 0397
Contact Person: Cliff Brunson
E-mail:
Invoice to: (If different from above)
Project #:
Project Name: LF-37
Project Location (including state): Monument NM
Sampler Signature: [signature]

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE		PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content							Turn Around Time if different from standard	Hold
	MW#3	3	VOA	✓					✓				✓		9/26	2:00		✓																							

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
Rogelio Hernandez	BBC	9/26/07	4:30					

LAB USE ONLY
Intact Y / N
Headspace Y / N / NA
Log-in-Review

REMARKS:

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

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APPENDIX III

Laboratory Results
3rd Quarter 2007

LF-37

April 2008

Plains Marketing, L.P.
Houston, Texas

Prepared by:
BBC International, Inc.

Summary Report

Cliff Brunson
BBC International
1324 W. Marland
Hobbs, NM, 88240

Report Date: July 3, 2007

Work Order: 7062909

EMS#: 1999-LF-37
Project Location: Monument,NM
Project Name: LF-37

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
128789	MW #3	water	2007-06-27	01:10	2007-06-29
128790	MW #4	water	2007-06-27	01:35	2007-06-29

	BTEX				MTBE
Sample - Field Code	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)	MTBE (mg/L)
128789 - MW #3	<0.00100	<0.00100	<0.00100	**0.00130**	
128790 - MW #4	<0.00100	<0.00100	<0.00100	<0.00100	

TRACEANALYSIS, INC.

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5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Cliff Brunson
BBC International
1324 W. Marland
Hobbs, NM, 88240

Report Date: July 3, 2007

Work Order: 7062909

EMS#: 1999-LF-37
Project Location: Monument,NM
Project Name: LF-37
Project Number: LF-37 (Plains)

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
128789	MW #3	water	2007-06-27	01:10	2007-06-29
128790	MW #4	water	2007-06-27	01:35	2007-06-29

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 6 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Blair Leftwich

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 128789 - MW #3

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	38699	Date Analyzed:	2007-07-02	Analyzed By:	KB
Prep Batch:	33499	Sample Preparation:	2007-07-02	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene	*B*	**0.00130**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0991	mg/L	1	0.100	99	78.1 - 112
4-Bromofluorobenzene (4-BFB)		0.104	mg/L	1	0.100	104	63.1 - 120

Sample: 128790 - MW #4

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	38668	Date Analyzed:	2007-06-29	Analyzed By:	MT
Prep Batch:	33470	Sample Preparation:	2007-06-29	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0843	mg/L	1	0.100	84	71.7 - 119
4-Bromofluorobenzene (4-BFB)		0.0813	mg/L	1	0.100	81	43.8 - 126

Method Blank (1) QC Batch: 38668

QC Batch:	38668	Date Analyzed:	2007-06-29	Analyzed By:	MT
Prep Batch:	33470	QC Preparation:	2007-06-29	Prepared By:	MT

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000299	mg/L	0.001
Toluene		<0.000332	mg/L	0.001
Ethylbenzene		<0.000644	mg/L	0.001
Xylene		<0.000456	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0818	mg/L	1	0.100	82	64.9 - 111
4-Bromofluorobenzene (4-BFB)		0.0781	mg/L	1	0.100	78	35.3 - 121

Method Blank (1) QC Batch: 38699

QC Batch: 38699 | Date Analyzed: 2007-07-02 | Analyzed By: KB
Prep Batch: 33499 | QC Preparation: 2007-07-02 | Prepared By: KB

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000247	mg/L	0.001
Toluene		<0.000257	mg/L	0.001
Ethylbenzene		<0.000336	mg/L	0.001
Xylene		0.000500	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.112	mg/L	1	0.100	112	77.3 - 113
4-Bromofluorobenzene (4-BFB)		0.103	mg/L	1	0.100	103	77.2 - 116

Laboratory Control Spike (LCS-1)

QC Batch: 38668 | Date Analyzed: 2007-06-29 | Analyzed By: MT
Prep Batch: 33470 | QC Preparation: 2007-06-29 | Prepared By: MT

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0889	mg/L	1	0.100	<0.000299	89	70 - 130
Toluene	0.0889	mg/L	1	0.100	<0.000332	89	70 - 130
Ethylbenzene	0.0900	mg/L	1	0.100	<0.000644	90	70 - 130
Xylene	0.263	mg/L	1	0.300	<0.000456	88	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.0907	mg/L	1	0.100	<0.000299	91	70 - 130	2	20
Toluene	0.0907	mg/L	1	0.100	<0.000332	91	70 - 130	2	20
Ethylbenzene	0.0917	mg/L	1	0.100	<0.000644	92	70 - 130	2	20
Xylene	0.268	mg/L	1	0.300	<0.000456	89	70 - 130	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0915	0.0941	mg/L	1	0.100	92	94	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0933	0.0995	mg/L	1	0.100	93	100	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 38699 | Date Analyzed: 2007-07-02 | Analyzed By: KB
Prep Batch: 33499 | QC Preparation: 2007-07-02 | Prepared By: KB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.108	mg/L	1	0.100	<0.000247	108	82 - 118
Toluene	0.107	mg/L	1	0.100	<0.000257	107	81.4 - 118
Ethylbenzene	0.106	mg/L	1	0.100	<0.000336	106	81.5 - 120
Xylene	0.312	mg/L	1	0.300	<0.000218	104	82.2 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.102	mg/L	1	0.100	<0.000247	102	82 - 118	6	20
Toluene	0.102	mg/L	1	0.100	<0.000257	102	81.4 - 118	5	20
Ethylbenzene	0.102	mg/L	1	0.100	<0.000336	102	81.5 - 120	4	20
Xylene	0.304	mg/L	1	0.300	<0.000218	101	82.2 - 121	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.113	0.0953	mg/L	1	0.100	113	95	75.7 - 113
4-Bromofluorobenzene (4-BFB)	0.0978	0.0967	mg/L	1	0.100	98	97	75.8 - 110

Matrix Spike (MS-1) Spiked Sample: 128749

QC Batch: 38668 | Date Analyzed: 2007-06-29 | Analyzed By: MT
Prep Batch: 33470 | QC Preparation: 2007-06-29 | Prepared By: MT

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0869	mg/L	1	0.100	<0.000299	87	70 - 130
Toluene	0.0868	mg/L	1	0.100	<0.000332	87	70 - 130
Ethylbenzene	0.0871	mg/L	1	0.100	<0.000644	87	70 - 130
Xylene	0.254	mg/L	1	0.300	<0.000456	85	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.0816	mg/L	1	0.100	<0.000299	82	70 - 130	6	20
Toluene	0.0814	mg/L	1	0.100	<0.000332	81	70 - 130	6	20
Ethylbenzene	0.0816	mg/L	1	0.100	<0.000644	82	70 - 130	6	20
Xylene	0.238	mg/L	1	0.300	<0.000456	79	70 - 130	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0876	0.0902	mg/L	1	0.1	88	90	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0888	0.0936	mg/L	1	0.1	89	94	70 - 130

Matrix Spike (MS-1) Spiked Sample: 128925

QC Batch: 38699 | Date Analyzed: 2007-07-02 | Analyzed By: KB
Prep Batch: 33499 | QC Preparation: 2007-07-02 | Prepared By: KB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.142	mg/L	1	0.100	0.037	105	78.2 - 121
Toluene	0.123	mg/L	1	0.100	0.0248	98	73.7 - 122
Ethylbenzene	0.101	mg/L	1	0.100	0.0101	91	72.6 - 123
Xylene	0.312	mg/L	1	0.300	0.0418	90	76.4 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.132	mg/L	1	0.100	0.037	95	78.2 - 121	7	20
Toluene	0.115	mg/L	1	0.100	0.0248	90	73.7 - 122	7	20
Ethylbenzene	0.0952	mg/L	1	0.100	0.0101	85	72.6 - 123	6	20
Xylene	0.295	mg/L	1	0.300	0.0418	84	76.4 - 121	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0990	0.0891	mg/L	1	0.1	99	89	78.9 - 116
4-Bromofluorobenzene (4-BFB)	0.101	0.101	mg/L	1	0.1	101	101	67.9 - 122

Standard (ICV-1)

QC Batch: 38668 | Date Analyzed: 2007-06-29 | Analyzed By: MT

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0960	96	85 - 115	2007-06-29
Toluene		mg/L	0.100	0.0960	96	85 - 115	2007-06-29
Ethylbenzene		mg/L	0.100	0.0978	98	85 - 115	2007-06-29
Xylene		mg/L	0.300	0.288	96	85 - 115	2007-06-29

Standard (CCV-1)

QC Batch: 38668 | Date Analyzed: 2007-06-29 | Analyzed By: MT

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0851	85	85 - 115	2007-06-29
Toluene		mg/L	0.100	0.0853	85	85 - 115	2007-06-29
Ethylbenzene		mg/L	0.100	0.0853	85	85 - 115	2007-06-29
Xylene	[1]	mg/L	0.300	0.249	83	85 - 115	2007-06-29

[1]Xylene outside of control limits on CCV. CCV component average is 85 which is within acceptable range. This is acceptable by Method 8000.

Standard (ICV-1)

QC Batch: 38699 Date Analyzed: 2007-07-02 Analyzed By: KB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.101	101	85 - 115	2007-07-02
Toluene		mg/L	0.100	0.102	102	85 - 115	2007-07-02
Ethylbenzene		mg/L	0.100	0.102	102	85 - 115	2007-07-02
Xylene		mg/L	0.300	0.302	101	85 - 115	2007-07-02

Standard (CCV-1)

QC Batch: 38699 Date Analyzed: 2007-07-02 Analyzed By: KB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.106	106	85 - 115	2007-07-02
Toluene		mg/L	0.100	0.105	105	85 - 115	2007-07-02
Ethylbenzene		mg/L	0.100	0.103	103	85 - 115	2007-07-02
Xylene		mg/L	0.300	0.305	102	85 - 115	2007-07-02

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LAB Order ID # 7062909 Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

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6015 Harris Pkwy., Suite 110, Ft. Worth, Texas 76132, Tel (817) 201-5260

Company Name: BBC International
Phone #: (505) 397 6388

Address: (Street, City, Zip) 1324 W. Marland Hobbs NM 88240
Fax #: (505) 397 0397

Contact Person: Cliff Brunson
E-mail:

Invoice to: (If different from above)

Project #:
Project Name: LF-37

Project Location (including state): Monument NM
Sampler Signature: [signature]

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / ~~602~~ / ~~8260B~~ / ~~624~~	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	Turn Around Time if different from standard	Hold
128789	MW # 3	3	VOA	✓				✓				✓		6/27	1:10		✓																	
790	MW # 4	3	VOA	✓				✓				✓		6/27	1:35		✓																	

Relinquished by: Roger Hernandez Date: 6/28/07 Time: 12:05
Received by: Date: Time:

Relinquished by: Date: Time:
Received by: Date: Time:

Relinquished by: Date: Time:
Received at Laboratory by: [signature] Date: Time: 11:15

LAB USE ONLY
Intact (Y) / N
Headspace Y / (N)
Temp 4
Log-in-Review [initials]

REMARKS:

☐ Dry Weight Basis Required
☐ TRRP Report Required
☐ Check If Special Reporting Limits Are Needed

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

Carrier # [illegible]

TRACEANALYSIS, INC.

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5002 Basin Street, Suite A1 | Midland, Texas 79703 | | 432•689•6301 | FAX 432•689•6313
6015 Harris Parkway, Suite 110 | Ft. Worth, Texas 76132 | | 817•201•5260
E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Cliff Brunson
BBC International
1324 W. Marland
Hobbs, NM, 88240

Report Date: October 1, 2007

Work Order: 7092824

EMS#: 1999-LF-37
Project Location: Monument,NM
Project Name: LF-37
Project Number: LF-37 (Plains)

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
137741	MW-#3	water	2007-09-26	14:00	2007-09-28

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project LF-37 were received by TraceAnalysis, Inc. on 2007-09-28 and assigned to work order 7092824. Samples for work order 7092824 were received intact at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
BTEX	S 8021B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 7092824 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 137741 - MW-#3

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	41581	Date Analyzed:	2007-09-29	Analyzed By:	EB
Prep Batch:	35930	Sample Preparation:	2007-09-29	Prepared By:	EB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.0632**	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		**0.00170**	mg/L	1	0.00100
Xylene		**0.00490**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0942	mg/L	1	0.100	94	78.1 - 112
4-Bromofluorobenzene (4-BFB)		0.102	mg/L	1	0.100	102	63.1 - 120

Method Blank (1) QC Batch: 41581

QC Batch:	41581	Date Analyzed:	2007-09-29	Analyzed By:	EB
Prep Batch:	35930	QC Preparation:	2007-09-29	Prepared By:	EB

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000247	mg/L	0.001
Toluene		<0.000257	mg/L	0.001
Ethylbenzene		<0.000336	mg/L	0.001
Xylene		<0.000218	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0984	mg/L	1	0.100	98	77.3 - 113
4-Bromofluorobenzene (4-BFB)		0.0808	mg/L	1	0.100	81	77.2 - 116

Laboratory Control Spike (LCS-1)

QC Batch:	41581	Date Analyzed:	2007-09-29	Analyzed By:	EB
Prep Batch:	35930	QC Preparation:	2007-09-29	Prepared By:	EB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.102	mg/L	1	0.100	<0.000247	102	82 - 118
Toluene	0.101	mg/L	1	0.100	<0.000257	101	81.4 - 118
Ethylbenzene	0.0995	mg/L	1	0.100	<0.000336	100	81.5 - 120
Xylene	0.291	mg/L	1	0.300	<0.000218	97	82.2 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.0993	mg/L	1	0.100	<0.000247	99	82 - 118	3	20
Toluene	0.0983	mg/L	1	0.100	<0.000257	98	81.4 - 118	3	20
Ethylbenzene	0.0977	mg/L	1	0.100	<0.000336	98	81.5 - 120	2	20
Xylene	0.286	mg/L	1	0.300	<0.000218	95	82.2 - 121	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0951	0.0935	mg/L	1	0.100	95	94	75.7 - 113
4-Bromofluorobenzene (4-BFB)	0.0905	0.0896	mg/L	1	0.100	90	90	75.8 - 110

Standard (ICV-1)

QC Batch: 41581 Date Analyzed: 2007-09-29 Analyzed By: EB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.104	104	85 - 115	2007-09-29
Toluene		mg/L	0.100	0.102	102	85 - 115	2007-09-29
Ethylbenzene		mg/L	0.100	0.101	101	85 - 115	2007-09-29
Xylene		mg/L	0.300	0.295	98	85 - 115	2007-09-29

Standard (CCV-1)

QC Batch: 41581 Date Analyzed: 2007-09-29 Analyzed By: EB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.100	100	85 - 115	2007-09-29
Toluene		mg/L	0.100	0.0995	100	85 - 115	2007-09-29
Ethylbenzene		mg/L	0.100	0.0985	98	85 - 115	2007-09-29
Xylene		mg/L	0.300	0.290	97	85 - 115	2007-09-29

LAB Order ID # 70 92829 Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

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Company Name: BRC International
Phone #: (505) 397 6388
Address: (Street, City, Zip) 1324 W. Marland
Fax #: (505) 397 0397
Contact Person: Cliff Brunson
E-mail:
Invoice to: (If different from above)
Project #:
Project Name: LF-37
Project Location (including state): Monument NM
Sampler Signature: Roger Hernandez

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
13774	MW #3	3	VOA	✓				✓				✓		9/26	2:00

MTBE 8021B / 602 / 8260B / 624	BTEX 8021 [illegible] / [illegible]	TRH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	Turn Around Time if different from standard	Hold
	✓																	

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
Roger Hernandez	BRC	9/26/07	4:30					
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
						09/28/07	1100	4°

LAB USE ONLY
Intact Y N
Headspace Y N NA
Log-in-Review

REMARKS:

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

Carrier # BUS GLI 304285 1686

LAB Order ID #_____ Page 1 of 1

TraceAnalysis, Inc.

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1 (888) 588-3443

8808 Camp Bowie Blvd. West, Suite 180
Ft. Worth, Texas 76116
Tel (817) 201-5260
Fax (817) 560-4336

Company Name: PBC International — Phone #: (505) 397-6388

Address: (Street, City, Zip) 1324 W. Marland — Fax #: (505) 397-0397

Contact Person: Cliff Dawson — E-mail:

Invoice to: (If different from above)

Project #: — Project Name: LF-37

Project Location (including state): Monument NM — Sampler Signature: Roger Hammond

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
	MW #3	3	VOA	✓				✓				✓		9/26	2:06

MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / 602 / ~~8260B~~ / ~~624~~	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	Turn Around Time if different from standard	Hold
	✓																	

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°C:
Roger Hammond	PBC	9/26/07	4:30					

LAB USE ONLY

Intact Y / N

Headspace Y / N / NA

°C

Log-In-Review

REMARKS:

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

Carrier # _____

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APPENDIX IV

Laboratory Results
4th Quarter 2007

LF-37

April 2008

Plains Marketing, L.P.
Houston, Texas

Prepared by:
BBC International, Inc.

Summary Report

Cliff Brunson
BBC International
1324 W. Marland
Hobbs, NM, 88240

Report Date: December 31, 2007

Work Order: 7122135

EMS#: 1999-LF-37
Project Location: Monument,NM
Project Name: LF-37

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
146284	MW #2	water	2007-12-19	10:00	2007-12-21
146285	MW #5	water	2007-12-19	10:39	2007-12-21
146286	MW #6	water	2007-12-19	11:17	2007-12-21
146287	MW #8	water	2007-12-19	11:44	2007-12-21
146288	MW #9	water	2007-12-19	12:18	2007-12-21
146289	MW #4	water	2007-12-19	12:40	2007-12-21
146290	MW #3	water	2007-12-19	13:11	2007-12-21

	BTEX				MTBE
Sample - Field Code	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)	MTBE (mg/L)
146284 - MW #2	<0.00100	<0.00100	<0.00100	<0.00100	
146285 - MW #5	<0.00100	<0.00100	<0.00100	<0.00100	
146286 - MW #6	<0.00100	<0.00100	<0.00100	<0.00100	
146287 - MW #8	<0.00100	<0.00100	<0.00100	<0.00100	
146288 - MW #9	<0.00100	<0.00100	<0.00100	<0.00100	
146289 - MW #4	<0.00100	<0.00100	<0.00100	<0.00100	
146290 - MW #3	0.00940	<0.00100	0.00150	0.00100	

TRACEANALYSIS, INC.

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5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
8808 Camp Bowie Blvd. West, Suite 180 Ft. Worth, Texas 76116 817•201•5260 FAX 817•560•4336
E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Cliff Brunson
BBC International
1324 W. Marland
Hobbs, NM, 88240

Report Date: December 31, 2007

Work Order: 7122135

EMS#: 1999-LF-37
Project Location: Monument,NM
Project Name: LF-37
Project Number: LF-37 (Plains)

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
146284	MW #2	water	2007-12-19	10:00	2007-12-21
146285	MW #5	water	2007-12-19	10:39	2007-12-21
146286	MW #6	water	2007-12-19	11:17	2007-12-21
146287	MW #8	water	2007-12-19	11:44	2007-12-21
146288	MW #9	water	2007-12-19	12:18	2007-12-21
146289	MW #4	water	2007-12-19	12:40	2007-12-21
146290	MW #3	water	2007-12-19	13:11	2007-12-21

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project LF-37 were received by TraceAnalysis, Inc. on 2007-12-21 and assigned to work order 7122135. Samples for work order 7122135 were received intact at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
BTEX	S 8021B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 7122135 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 146284 - MW #2

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	44147	Date Analyzed:	2007-12-21	Analyzed By:	MT
Prep Batch:	38039	Sample Preparation:	2007-12-21	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0881	mg/L	1	0.100	88	85.8 - 115
4-Bromofluorobenzene (4-BFB)		0.0674	mg/L	1	0.100	67	53.1 - 108

Sample: 146285 - MW #5

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	44207	Date Analyzed:	2007-12-26	Analyzed By:	MT
Prep Batch:	38080	Sample Preparation:	2007-12-26	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0909	mg/L	1	0.100	91	77.8 - 112
4-Bromofluorobenzene (4-BFB)		0.0967	mg/L	1	0.100	97	62.6 - 133

Sample: 146286 - MW #6

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	44207	Date Analyzed:	2007-12-26	Analyzed By:	MT
Prep Batch:	38080	Sample Preparation:	2007-12-26	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0930	mg/L	1	0.100	93	77.8 - 112
4-Bromofluorobenzene (4-BFB)		0.0988	mg/L	1	0.100	99	62.6 - 133

Sample: 146287 - MW #8

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	44208	Date Analyzed:	2007-12-26	Analyzed By:	MT
Prep Batch:	38081	Sample Preparation:	2007-12-26	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0917	mg/L	1	0.100	92	77.8 - 112
4-Bromofluorobenzene (4-BFB)		0.0911	mg/L	1	0.100	91	62.6 - 133

Sample: 146288 - MW #9

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	44208	Date Analyzed:	2007-12-26	Analyzed By:	MT
Prep Batch:	38081	Sample Preparation:	2007-12-26	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0921	mg/L	1	0.100	92	77.8 - 112
4-Bromofluorobenzene (4-BFB)		0.0922	mg/L	1	0.100	92	62.6 - 133

Sample: 146289 - MW #4

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	44281	Date Analyzed:	2007-12-28	Analyzed By:	EB
Prep Batch:	38147	Sample Preparation:	2007-12-28	Prepared By:	EB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100

continued ...

sample 146289 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	[1]	0.0699	mg/L	1	0.100	70	77.8 - 112
4-Bromofluorobenzene (4-BFB)		0.0795	mg/L	1	0.100	80	62.6 - 133

Sample: 146290 - MW #3

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	44281	Date Analyzed:	2007-12-28	Analyzed By:	EB
Prep Batch:	38147	Sample Preparation:	2007-12-28	Prepared By:	EB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00940	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.00150	mg/L	1	0.00100
Xylene		0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0891	mg/L	1	0.100	89	77.8 - 112
4-Bromofluorobenzene (4-BFB)		0.107	mg/L	1	0.100	107	62.6 - 133

Method Blank (1) QC Batch: 44147

QC Batch:	44147	Date Analyzed:	2007-12-21	Analyzed By:	MT
Prep Batch:	38039	QC Preparation:	2007-12-21	Prepared By:	MT

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000595	mg/L	0.001
Toluene		<0.000327	mg/L	0.001
Ethylbenzene		<0.000377	mg/L	0.001
Xylene		<0.000366	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0898	mg/L	1	0.100	90	76.6 - 116
4-Bromofluorobenzene (4-BFB)		0.0664	mg/L	1	0.100	66	55.1 - 103

[1]Surrogate TFT out due to matrix interference. Sample was reran on 12/30/07 to confirm matrix interference results.

Method Blank (1) QC Batch: 44207

QC Batch: 44207 | Date Analyzed: 2007-12-26 | Analyzed By: MT
Prep Batch: 38080 | QC Preparation: 2007-12-26 | Prepared By: MT

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000247	mg/L	0.001
Toluene		<0.000257	mg/L	0.001
Ethylbenzene		<0.000336	mg/L	0.001
Xylene		<0.000218	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0930	mg/L	1	0.100	93	80.8 - 114
4-Bromofluorobenzene (4-BFB)		0.0954	mg/L	1	0.100	95	65.1 - 114

Method Blank (1) QC Batch: 44208

QC Batch: 44208 | Date Analyzed: 2007-12-26 | Analyzed By: MT
Prep Batch: 38081 | QC Preparation: 2007-12-26 | Prepared By: MT

Parameter	Flag	MDL Result	Units	RL
Benzene		0.000300	mg/L	0.001
Toluene		<0.000257	mg/L	0.001
Ethylbenzene		<0.000336	mg/L	0.001
Xylene		<0.000218	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0931	mg/L	1	0.100	93	80.8 - 114
4-Bromofluorobenzene (4-BFB)		0.0914	mg/L	1	0.100	91	65.1 - 114

Method Blank (1) QC Batch: 44281

QC Batch: 44281 | Date Analyzed: 2007-12-28 | Analyzed By: EB
Prep Batch: 38147 | QC Preparation: 2007-12-28 | Prepared By: EB

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000247	mg/L	0.001
Toluene		<0.000257	mg/L	0.001
Ethylbenzene		<0.000336	mg/L	0.001
Xylene		<0.000218	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0824	mg/L	1	0.100	82	80.8 - 114
4-Bromofluorobenzene (4-BFB)		0.0763	mg/L	1	0.100	76	65.1 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 44147 | Date Analyzed: 2007-12-21 | Analyzed By: MT
Prep Batch: 38039 | QC Preparation: 2007-12-21 | Prepared By: MT

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0889	mg/L	1	0.100	<0.000595	89	81.6 - 116
Toluene	0.0868	mg/L	1	0.100	<0.000327	87	81.8 - 115
Ethylbenzene	0.0837	mg/L	1	0.100	<0.000377	84	81.3 - 114
Xylene	0.249	mg/L	1	0.300	<0.000366	83	81.3 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.0919	mg/L	1	0.100	<0.000595	92	81.6 - 116	3	20
Toluene	0.0901	mg/L	1	0.100	<0.000327	90	81.8 - 115	4	20
Ethylbenzene	0.0885	mg/L	1	0.100	<0.000377	88	81.3 - 114	6	20
Xylene	0.261	mg/L	1	0.300	<0.000366	87	81.3 - 114	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0947	0.0944	mg/L	1	0.100	95	94	79.8 - 118
4-Bromofluorobenzene (4-BFB)	0.0953	0.0979	mg/L	1	0.100	95	98	80.8 - 121

Laboratory Control Spike (LCS-1)

QC Batch: 44207 | Date Analyzed: 2007-12-26 | Analyzed By: MT
Prep Batch: 38080 | QC Preparation: 2007-12-26 | Prepared By: MT

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0968	mg/L	1	0.100	<0.000247	97	84.3 - 120
Toluene	0.0964	mg/L	1	0.100	<0.000257	96	85.4 - 118
Ethylbenzene	0.0993	mg/L	1	0.100	<0.000336	99	85.7 - 121
Xylene	0.298	mg/L	1	0.300	<0.000218	99	86.3 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.0961	mg/L	1	0.100	<0.000247	96	84.3 - 120	1	20
Toluene	0.0963	mg/L	1	0.100	<0.000257	96	85.4 - 118	0	20
Ethylbenzene	0.0994	mg/L	1	0.100	<0.000336	99	85.7 - 121	0	20
Xylene	0.299	mg/L	1	0.300	<0.000218	100	86.3 - 120	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0915	0.0907	mg/L	1	0.100	92	91	79.5 - 112
4-Bromofluorobenzene (4-BFB)	0.0996	0.0980	mg/L	1	0.100	100	98	73.6 - 113

Laboratory Control Spike (LCS-1)

QC Batch: 44208 | Date Analyzed: 2007-12-26 | Analyzed By: MT
Prep Batch: 38081 | QC Preparation: 2007-12-26 | Prepared By: MT

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0985	mg/L	1	0.100	<0.000247	98	84.3 - 120
Toluene	0.0973	mg/L	1	0.100	<0.000257	97	85.4 - 118
Ethylbenzene	0.0985	mg/L	1	0.100	<0.000336	98	85.7 - 121
Xylene	0.299	mg/L	1	0.300	<0.000218	100	86.3 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.0979	mg/L	1	0.100	<0.000247	98	84.3 - 120	1	20
Toluene	0.0977	mg/L	1	0.100	<0.000257	98	85.4 - 118	0	20
Ethylbenzene	0.100	mg/L	1	0.100	<0.000336	100	85.7 - 121	2	20
Xylene	0.304	mg/L	1	0.300	<0.000218	101	86.3 - 120	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0912	0.0899	mg/L	1	0.100	91	90	79.5 - 112
4-Bromofluorobenzene (4-BFB)	0.0964	0.0951	mg/L	1	0.100	96	95	73.6 - 113

Laboratory Control Spike (LCS-1)

QC Batch: 44281 | Date Analyzed: 2007-12-28 | Analyzed By: EB
Prep Batch: 38147 | QC Preparation: 2007-12-28 | Prepared By: EB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0902	mg/L	1	0.100	<0.000247	90	84.3 - 120
Toluene	0.0909	mg/L	1	0.100	<0.000257	91	85.4 - 118
Ethylbenzene	0.0953	mg/L	1	0.100	<0.000336	95	85.7 - 121
Xylene	0.285	mg/L	1	0.300	<0.000218	95	86.3 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.0944	mg/L	1	0.100	<0.000247	94	84.3 - 120	5	20
Toluene	0.0951	mg/L	1	0.100	<0.000257	95	85.4 - 118	4	20
Ethylbenzene	0.0986	mg/L	1	0.100	<0.000336	99	85.7 - 121	3	20
Xylene	0.294	mg/L	1	0.300	<0.000218	98	86.3 - 120	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0840	0.0857	mg/L	1	0.100	84	86	79.5 - 112
4-Bromofluorobenzene (4-BFB)	0.0793	0.0804	mg/L	1	0.100	79	80	73.6 - 113

Matrix Spike (MS-1) Spiked Sample: 146109

QC Batch: 44147 | Date Analyzed: 2007-12-21 | Analyzed By: MT
Prep Batch: 38039 | QC Preparation: 2007-12-21 | Prepared By: MT

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.102	mg/L	1	0.100	<0.000595	102	55.8 - 131
Toluene	0.100	mg/L	1	0.100	<0.000327	100	54.1 - 132
Ethylbenzene	0.0979	mg/L	1	0.100	<0.000377	98	47 - 133
Xylene	0.296	mg/L	1	0.300	<0.000366	99	44.6 - 134

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.0917	mg/L	1	0.100	<0.000595	92	55.8 - 131	11	20
Toluene	0.0896	mg/L	1	0.100	<0.000327	90	54.1 - 132	12	20
Ethylbenzene	0.0861	mg/L	1	0.100	<0.000377	86	47 - 133	13	20
Xylene	0.258	mg/L	1	0.300	<0.000366	86	44.6 - 134	14	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0953	0.0925	mg/L	1	0.1	95	92	86.5 - 110
4-Bromofluorobenzene (4-BFB)	0.109	0.0976	mg/L	1	0.1	109	98	79.4 - 122

Standard (ICV-1)

QC Batch: 44147 | Date Analyzed: 2007-12-21 | Analyzed By: MT

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0951	95	85 - 115	2007-12-21
Toluene		mg/L	0.100	0.0927	93	85 - 115	2007-12-21
Ethylbenzene		mg/L	0.100	0.0886	89	85 - 115	2007-12-21
Xylene		mg/L	0.300	0.268	89	85 - 115	2007-12-21

Standard (CCV-1)

QC Batch: 44147 | Date Analyzed: 2007-12-21 | Analyzed By: MT

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0906	91	85 - 115	2007-12-21
Toluene		mg/L	0.100	0.0890	89	85 - 115	2007-12-21
Ethylbenzene		mg/L	0.100	0.0852	85	85 - 115	2007-12-21
Xylene		mg/L	0.300	0.256	85	85 - 115	2007-12-21

Standard (ICV-1)

QC Batch: 44207 Date Analyzed: 2007-12-26 Analyzed By: MT

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0959	96	85 - 115	2007-12-26
Toluene		mg/L	0.100	0.0965	96	85 - 115	2007-12-26
Ethylbenzene		mg/L	0.100	0.0978	98	85 - 115	2007-12-26
Xylene		mg/L	0.300	0.297	99	85 - 115	2007-12-26

Standard (CCV-1)

QC Batch: 44207 Date Analyzed: 2007-12-26 Analyzed By: MT

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0976	98	85 - 115	2007-12-26
Toluene		mg/L	0.100	0.0969	97	85 - 115	2007-12-26
Ethylbenzene		mg/L	0.100	0.0995	100	85 - 115	2007-12-26
Xylene		mg/L	0.300	0.300	100	85 - 115	2007-12-26

Standard (ICV-1)

QC Batch: 44208 Date Analyzed: 2007-12-26 Analyzed By: MT

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0982	98	85 - 115	2007-12-26
Toluene		mg/L	0.100	0.0980	98	85 - 115	2007-12-26
Ethylbenzene		mg/L	0.100	0.0996	100	85 - 115	2007-12-26
Xylene		mg/L	0.300	0.300	100	85 - 115	2007-12-26

Standard (CCV-1)

QC Batch: 44208 Date Analyzed: 2007-12-26 Analyzed By: MT

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0958	96	85 - 115	2007-12-26
Toluene		mg/L	0.100	0.0942	94	85 - 115	2007-12-26
Ethylbenzene		mg/L	0.100	0.0970	97	85 - 115	2007-12-26
Xylene		mg/L	0.300	0.292	97	85 - 115	2007-12-26

Standard (ICV-1)

QC Batch: 44281 Date Analyzed: 2007-12-28 Analyzed By: EB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0911	91	85 - 115	2007-12-28
Toluene		mg/L	0.100	0.0927	93	85 - 115	2007-12-28
Ethylbenzene		mg/L	0.100	0.0935	94	85 - 115	2007-12-28
Xylene		mg/L	0.300	0.284	95	85 - 115	2007-12-28

Standard (CCV-1)

QC Batch: 44281 Date Analyzed: 2007-12-28 Analyzed By: EB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0959	96	85 - 115	2007-12-28
Toluene		mg/L	0.100	0.0958	96	85 - 115	2007-12-28
Ethylbenzene		mg/L	0.100	0.101	101	85 - 115	2007-12-28
Xylene		mg/L	0.300	0.295	98	85 - 115	2007-12-28

LAB Order ID # 712135 Page 1 of 1

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Invoice to: (If different from above) Plains
Project #:
Project Name: LF-37
Project Location (including state): Monument, NM
Sampler Signature:

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	MTBE (8021B / 602 / 8260B / 624)	BTEX (8021B / 602 / 8260B / 624)	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	Turn Around Time if different from standard	Hold
14 284	MW #2	3	VOA	✓								✓		12/19/07	10:00a		✓																	
285	MW #5	3	VOA	✓								✓		12/19/07	10:39a		✓																	
286	MW #6	3	VOA	✓								✓		12/19/07	11:17a		✓																	
287	MW #8	3	VOA	✓								✓		12/19/07	11:40a		✓																	
288	MW #9	3	VOA	✓								✓		12/19/07	12:18p		✓																	
289	MW #4	3	VOA	✓								✓		12/19/07	12:40p		✓																	
290	MW #3	3	VOA	✓								✓		12/19/07	1:11p		✓																	
	Trip	1																															

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
Jeff Omps	BBC	12-20-07	8:00	Jennifer Gilley	BBC	12/20	5:00	
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
				Brenda Ward	Trac Lubbock	12/21/07	11:30	2.1

LAB USE ONLY
Initial Y / N
Headspace Y / N / NA
Log-In-Review MT

REMARKS:

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

Carrier # Bus

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LAB Order ID # [redacted] Page [redacted] of [redacted]

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Project #:
Project Name: LF-37
Project Location (including state): Monument, NM
Sampler Signature:

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	MTBE (8021B / 602 / 8260B / 624)	BTEX (8021B / 602 / 8260B / 624)	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	Turn Around Time if different from standard	Hold
146284	MW #2	3	VOA	✓								✓		12/19/07	10:00a		✓																
285	MW #5	3	VOA	✓								✓		12/19/07	10:39a		✓																
286	MW #6	3	VOA	✓								✓		12/19/07	11:17a		✓																
287	MW #8	3	VOA	✓								✓		12/19/07	11:44a		✓																
288	MW #9	3	VOA	✓								✓		12/19/07	12:18p		✓																
289	MW #4	3	VOA	✓								✓		12/19/07	12:40p		✓																
290	MW #3	3	VOA	✓								✓		12/19/07	1:11p		✓																
	Trip	1																														

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
Jeff Omps	BBC	12-20-07	8:00	Jennifer Gilkey	BBC	12/20	8:00	
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
Relinquished by:	Company:	Date:	Time:	Received by: Brenda Ward	Company: Trac Lubbock	Date: 12/21/07	Time: 11:30	Temp°c: 4

LAB USE ONLY
Intact Y / N
Headspace Y / N (NA)
Log-in-Review [illegible]

REMARKS: 12/31 EP

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

Carrier # Bus

ORIGINAL COPY

APPENDIX V

FORM C-141

LF-37

April 2008

Plains Marketing, L.P.
Houston, Texas

Prepared by:
BBC International, Inc.

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

LF-37

Form C-141
Revised March 17, 1999

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☐ Final Report

Name of Company **EOTT Energy Pipeline Limited Partnership**	Contact **Lennah Frost**
Address **P.O. Box 1660, Midland, TX 79702**	Telephone No. **915/684-3467**
Facility Name **Monument 6"**	Facility Type **pipeline**

Surface Owner **State of New Mexico**	Mineral Owner	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	19	**19-S**	**37-E**					**Lea**

NATURE OF RELEASE

Type of Release **Crude Oil**	Volume of Release **5 bbls**	Volume Recovered **3 bbls**
Source of Release **Pipeline corrosion leak**	Date and Hour of Occurrence **5/4/99, 3 pm**	Date and Hour of Discovery **5/4/99, 3 pm**
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? **Sylvia**	
By Whom? **Lennah Frost**	Date and Hour **5/4/99, 4:30 pm**	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
Line had been idled but not de-oiled. The line has since been de-oiled and taken out of service.

Describe Area Affected and Cleanup Action Taken.*
Contaminated soil was excavated. Approx. 1992 cu. yds of soil was disposed of at C&C Landfarm. The remainder of the soil was remediated on site using microbes. All analysis are attached. EOTT requests closure at this site.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:	OIL CONSERVATION DIVISION	
Printed Name: **Lennah Frost**	Approved by District Supervisor:	
Title: **Sr. Environmental Engineer**	Approval Date:	Expiration Date:
Date: **1/5/00** Phone: **915/684-3467**	Conditions of Approval:	Attached ☐

* Attach Additional Sheets If Necessary