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**Annual GW Mon.
REPORTS**

DATE:

2008

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

2008
Annual Groundwater
Monitoring Report

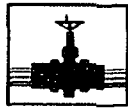
April 2009

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

2009 APR 1 PM 1 13

March 31, 2009

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

Re: Plains All American – 2008 Annual Monitoring Report
1 Site 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 an Annual Monitoring report for the following site:

LF-37 1R-0102 Section 19, Township 19 South, Range 37 East, Lea County

BBC International, Inc. (BBC) prepared this document and has vouched for its accuracy and completeness, and on behalf of Plains All American, I have personally reviewed the document and interviewed BBC personnel in order to verify the accuracy and completeness of the report. It is based upon these inquiries and reviews that Plains All American submits the enclosed Annual Monitoring Report for the above facility.

If you have any questions or require further information, please contact me at (575) 441-1099.

Sincerely,

Jason Henry
Remediation Coordinator
Plains All American

CC: Larry Johnson, NMOCD, Hobbs, NM

Enclosures

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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 2008 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 2008 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 ACTIVITIES

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 March 22, June 26, September 25, and December 18, 2008.

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 2008 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 17.87 to 23.85 feet for the shallow aquifer.

LABORATORY RESULTS

Groundwater samples collected during each quarter of 2008 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 2008 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 three quarters of 2008, the benzene concentration in monitor well MW-3 was below the NMOCD regulatory standard while total BTEX constituent concentrations were below NMOCD regulatory standards. During the fourth quarter of 2008, the benzene concentration in monitor well MW-3 was above the NMOCD Regulatory standard. 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 three 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 2008. 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 2008 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 2008 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 three quarters of 2008, the benzene concentration in monitor well MW-3 was below the NMOCD regulatory standard while total BTEX constituent concentrations were below NMOCD regulatory standards. During the fourth quarter of 2008, the benzene concentration in monitor well MW-3 was above the NMOCD Regulatory standard

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

CONCLUSION

Continue routine site activities in 2009 which 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.

A report detailing activities conducted in 2009 will be submitted in April 2010.

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

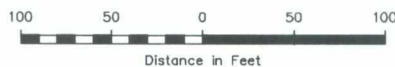
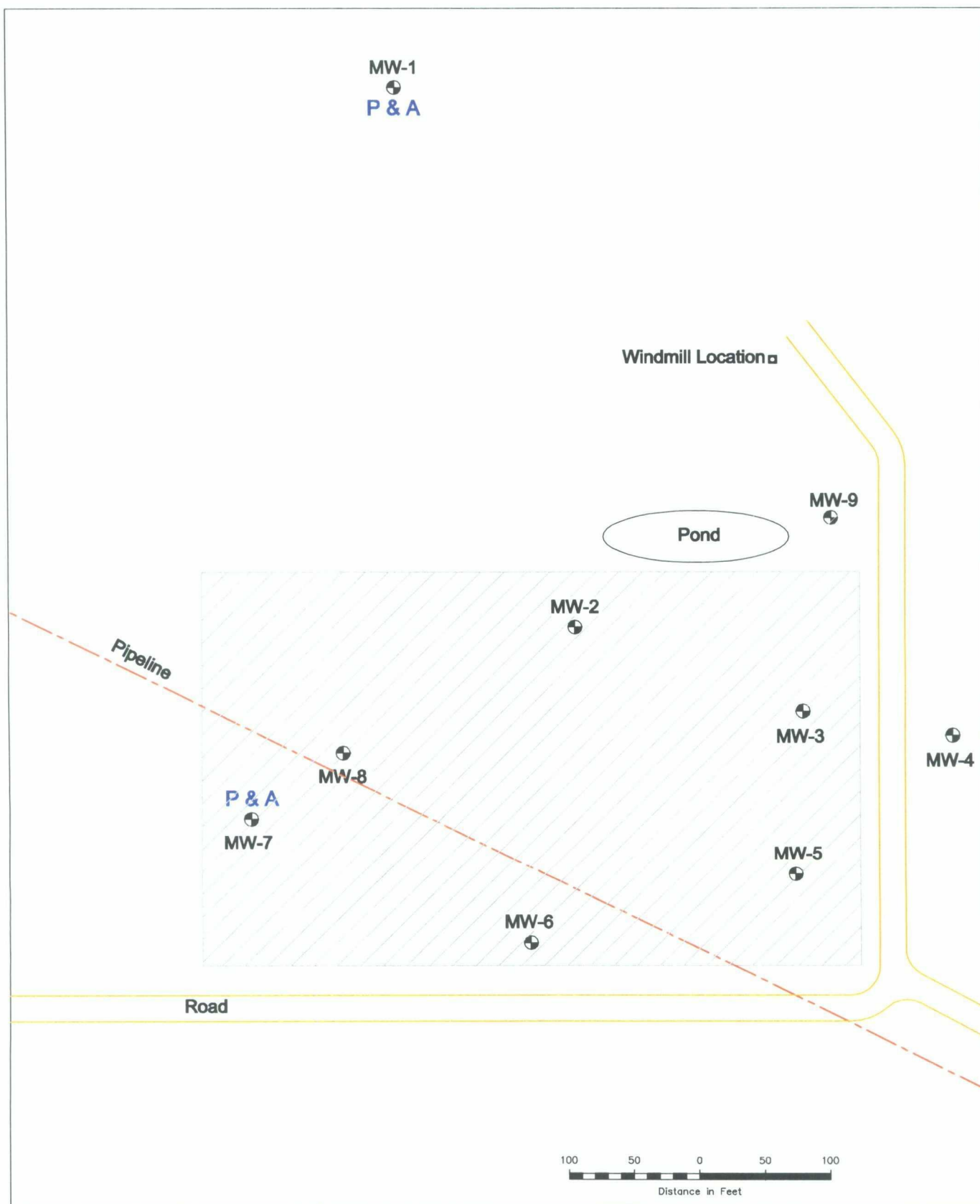
Copy 2: Larry Johnson
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division (District 1)
1625 French Drive
Hobbs, New Mexico 88240

Copy 3: Jason Henry
Plains Marketing, L.P.
3112 Highway 82
Lovington, NM 88260

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333 Clay Street
Suite 1600
Houston, Texas 77002
jpdann@paalp.com

Copy 5: BBC International, Inc.
1324 W. Marland
Hobbs, NM 88240

Copy Number: 1



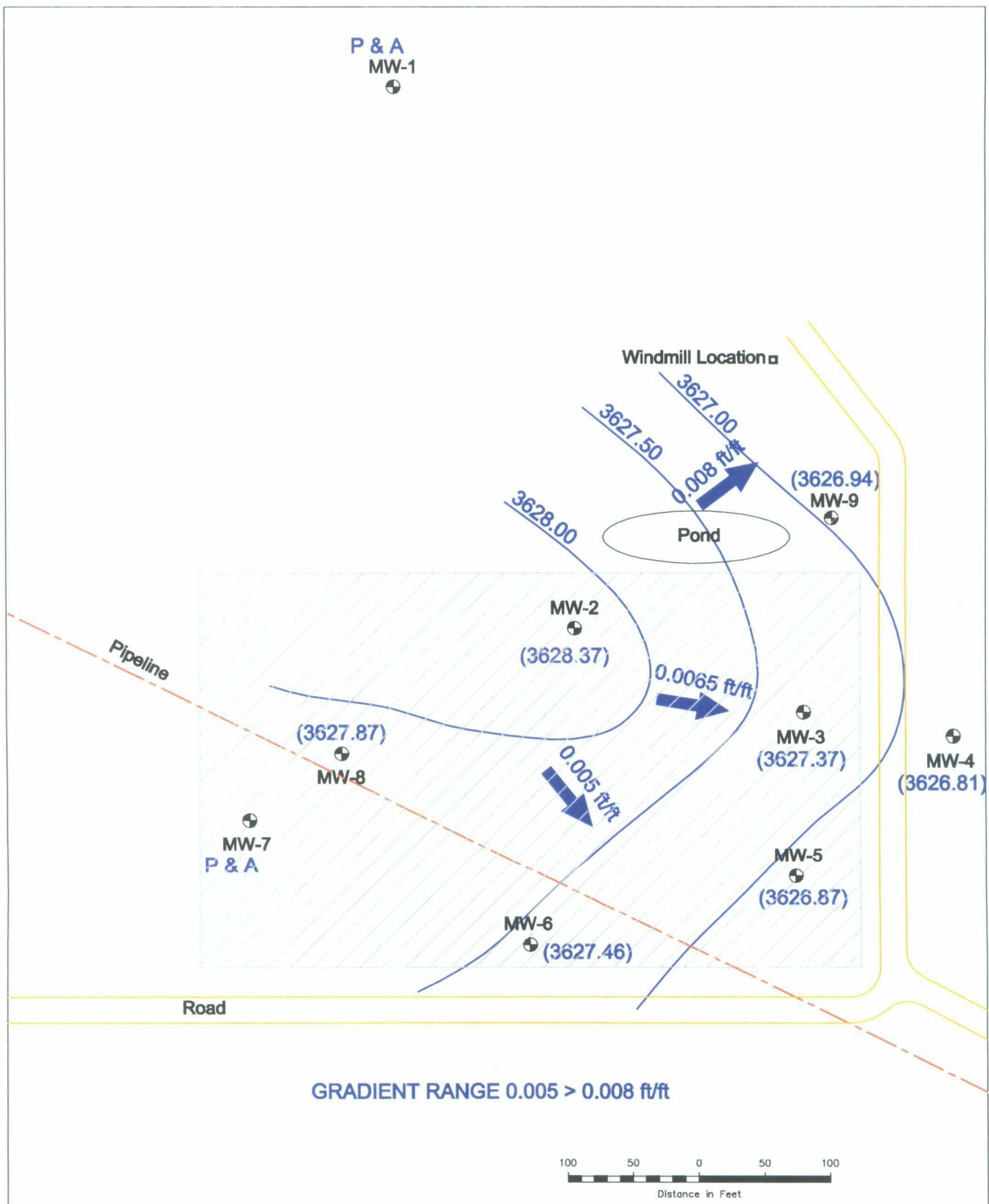
	Former Excavation and Backfill Area	ND	Non Detect
		NS	Non Sampled
	Monitor Well Location	P & A	Plugged & Abandoned
		(3827.58)	Groundwater Elevation (In Feet)

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



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

Scale: 1" = 100'	Prep By: LA	Checked By: CB
		MARCH 2, 2008



Legend:

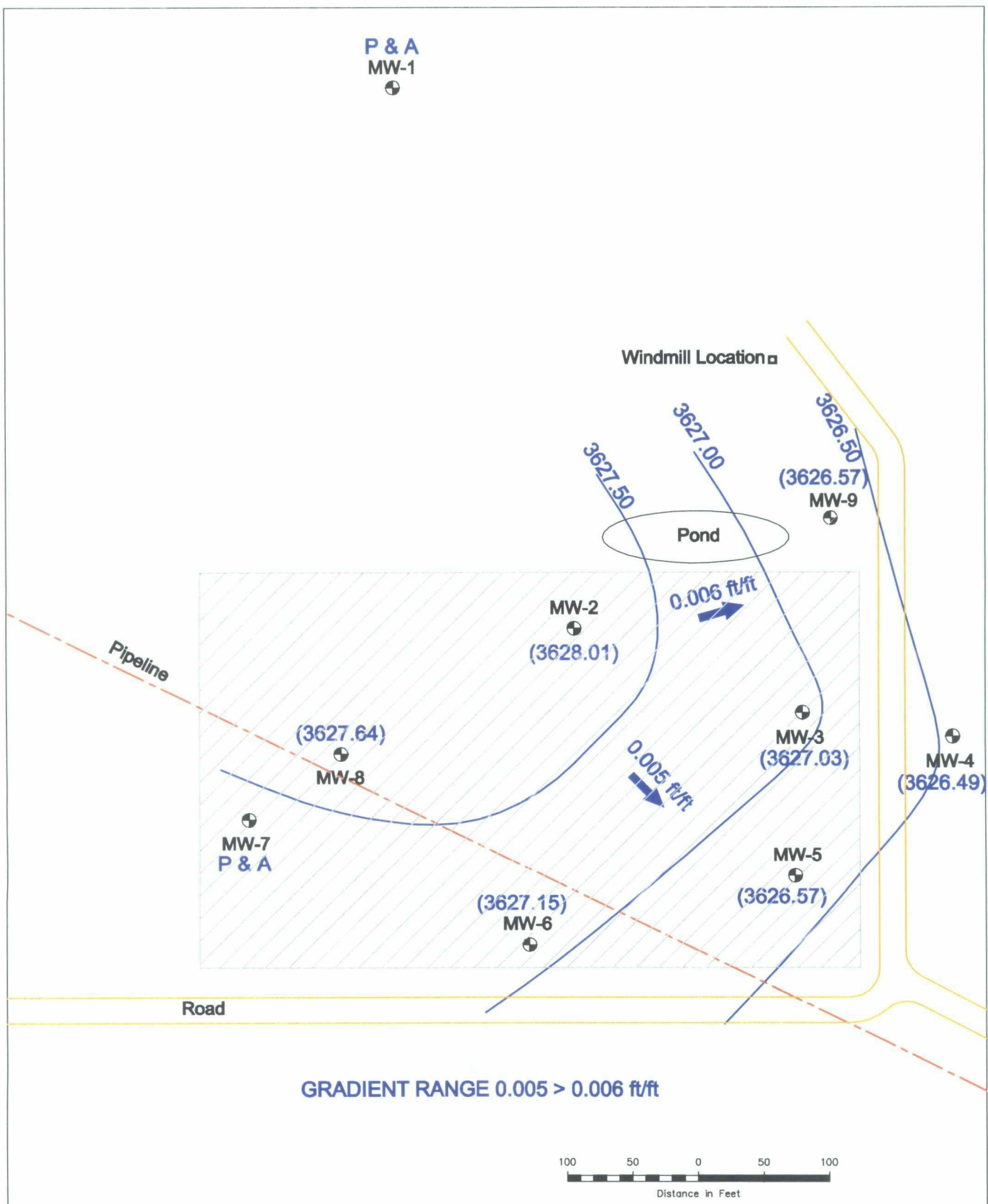
- Former Excavation and Backfill Area
- Monitor Well Location
- Groundwater Elevation (In Feet)
- ND** Non Detect
- NS** Non Sampled

Figure 2
Groundwater Gradient
Map (3/22/08)
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
MARCH 2, 2008		



Legend:

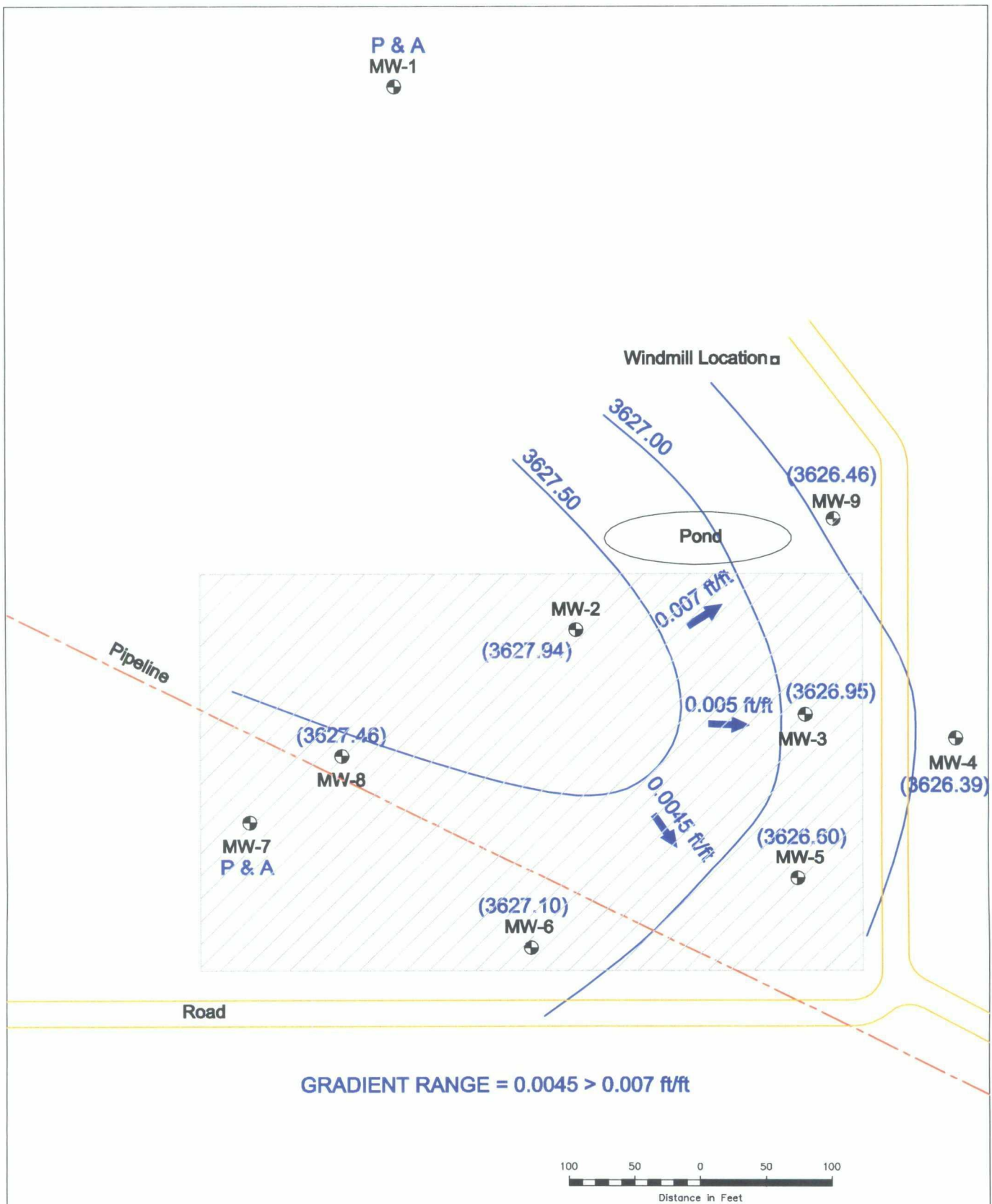
- Former Excavation and Backfill Area
- Monitor Well Location
- (3627.56) Groundwater Elevation (In Feet)
- ND** Non Detect
- NS** Non Sampled
- P & A** Plugged & Abandoned

Figure 3
Groundwater Gradient Map (6/28/08)
2nd Quarter
Plains Marketing, L.P.
LF-37
Lee County, NM



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

Scale: 1" = 100'	Prep By: LA	Checked By: CB
MARCH 2, 2008		



Legend:

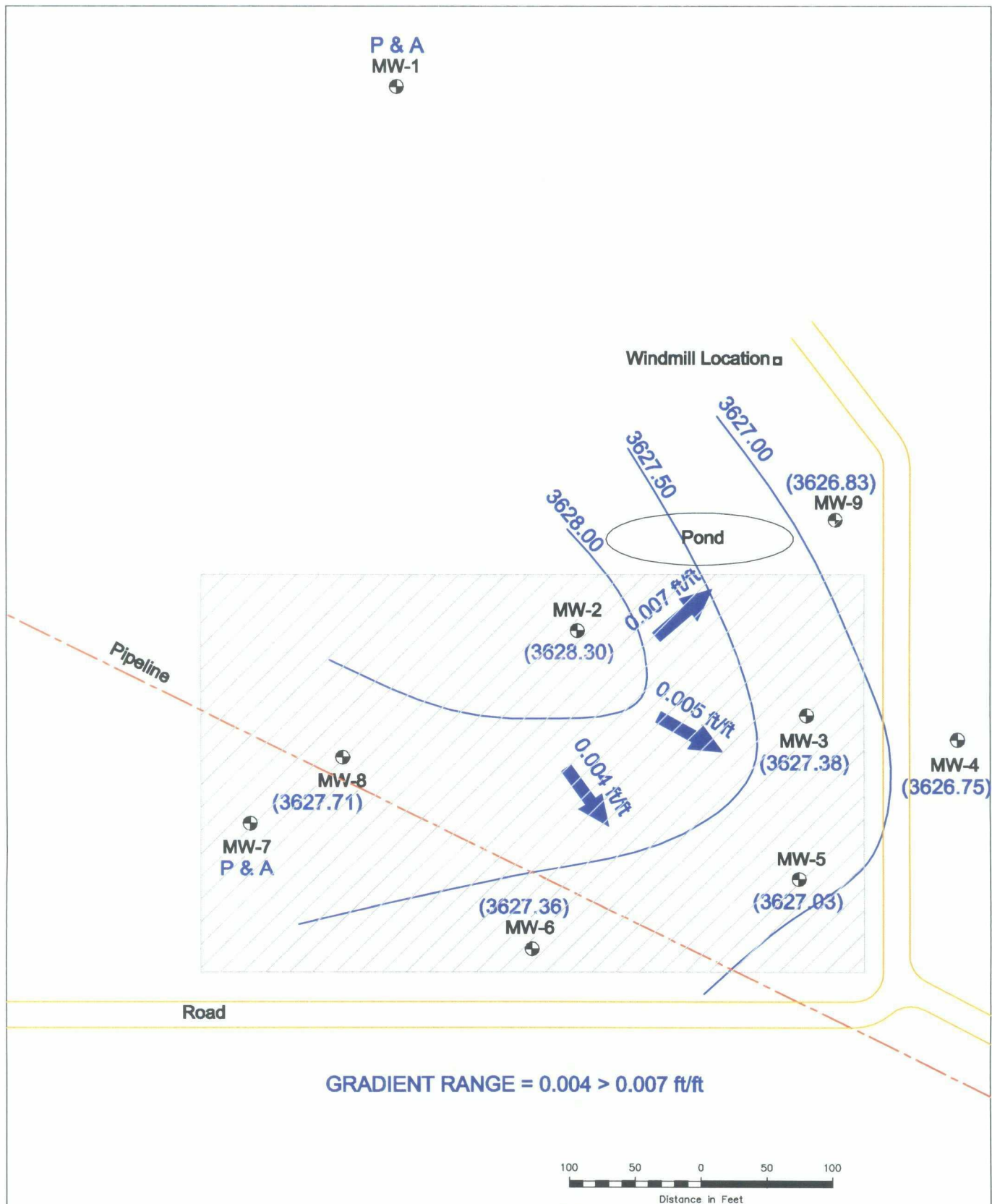
- Former Excavation and Backfill Area
- Monitor Well Location
- (3627.56) Groundwater Elevation (In Feet)
- ND** Non Detect
- NS** Non Sampled
- P & A** Plugged & Abandoned

Figure 4
Groundwater Gradient
Map (9/25/08)
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
MARCH 2, 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 (12/18/08)
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
MARCH 2, 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				

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 - 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
	03/22/08	3,646.76	ND	18.39	0.00	3,628.37
	06/26/08	3,646.76	ND	18.75	0.00	3,628.01
	09/25/08	3,646.76	ND	18.82	0.00	3,627.94
	12/18/08	3,646.76	ND	18.46	0.00	3,628.30

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
	03/22/08	3,645.25	ND	17.88	0.00	3,627.37
	06/26/08	3,645.25	ND	18.22	0.00	3,627.03
	09/25/08	3,645.25	ND	18.30	0.00	3,626.95
	12/18/08	3,645.25	ND	17.87	0.00	3,627.38

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
	03/22/08	3,644.81	ND	18.00	0.00	3,626.81
	06/26/08	3,644.81	ND	18.32	0.00	3,626.49
	09/25/08	3,644.81	ND	18.42	0.00	3,626.39
	12/18/08	3,644.81	ND	18.06	0.00	3,626.75

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
	03/22/08	3,645.69	ND	18.82	0.00	3,626.87
	06/26/08	3,645.69	ND	19.12	0.00	3,626.57
	09/25/08	3,645.69	ND	19.09	0.00	3,626.60
	12/18/08	3,645.69	ND	18.66	0.00	3,627.03

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
	03/22/08	3,650.95	ND	23.49	0.00	3,627.46
	06/26/08	3,650.95	ND	23.80	0.00	3,627.15
	09/25/08	3,650.95	ND	23.85	0.00	3,627.10
	12/18/08	3,650.95	ND	23.59	0.00	3,627.36

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
	03/22/08	3,649.12	ND	21.25	0.00	3,627.87
	06/26/08	3,649.12	ND	21.48	0.00	3,627.64
	09/25/08	3,649.12	ND	21.66	0.00	3,627.46
	12/18/08	3,649.12	ND	21.41	0.00	3,627.71

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
	03/22/08	3,646.40	ND	19.46	0.00	3,626.94
	06/26/08	3,646.40	ND	19.83	0.00	3,626.57
	09/25/08	3,646.40	ND	19.94	0.00	3,626.46
	12/18/08	3,646.40	ND	19.57	0.00	3,626.83

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	
	12/18/08	<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	
	03/22/08	0.00300	<0.00100	<0.00100	<0.00100	
	06/26/08	0.00480	<0.00100	0.0011	0.00170	
	09/25/08	0.00240	0.0018	<0.00100	0.00710	
	12/18/08	0.04320	<0.00100	0.00230	0.0119	

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 - 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	
	06/26/08	<0.00100	<0.00100	<0.00100	0.00220	
	12/18/08	<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 - 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	
	12/18/08	<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 - 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	
	12/18/08	<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	
	12/18/08	<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	
	12/18/08	<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 2008

LF-37

April 2009

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 31, 2008

Work Order: 8032503



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

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
154501	MW-3	water	2008-03-22	11:09	2008-03-25

Sample - Field Code	BTEX				MTBE
	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)	MTBE (mg/L)
154501 - MW-3	0.00300	<0.00100	<0.00100	<0.00100	<0.00100



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8015 Harris Parkway Suite 110 Ft. Worth, Texas 76132 817•261•5280
E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

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

Report Date: March 31, 2008

Work Order: 8032503



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
154501	MW-3	water	2008-03-22	11:09	2008-03-25

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 3 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: 154501 - MW-3

Analysis: BTEX
QC Batch: 46862
Prep Batch: 40307

Analytical Method: S 8021B
Date Analyzed: 2008-03-26
Sample Preparation: 2008-03-26

Prep Method: S 5030B
Analyzed By: MT
Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
MTBE		<0.00100	mg/L	1	0.00100
Benzene		0.00300	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)		0.0994	mg/L	1	0.100	99	72.2 - 105
4-Bromofluorobenzene (4-BFB)		0.108	mg/L	1	0.100	108	40.9 - 115

Method Blank (1) QC Batch: 46862

QC Batch: 46862
Prep Batch: 40307

Date Analyzed: 2008-03-26
QC Preparation: 2008-03-26

Analyzed By: MT
Prepared By: MT

Parameter	Flag	MDL Result	Units	RL
MTBE		<0.000178	mg/L	0.001
Benzene		<0.000119	mg/L	0.001
Toluene		<0.000146	mg/L	0.001
Ethylbenzene		<0.000119	mg/L	0.001
Xylene		<0.0000970	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0896	mg/L	1	0.100	90	73.1 - 102
4-Bromofluorobenzene (4-BFB)		0.0934	mg/L	1	0.100	93	53.7 - 97.4

Laboratory Control Spike (LCS-1)

QC Batch: 46862
Prep Batch: 40307

Date Analyzed: 2008-03-26
QC Preparation: 2008-03-26

Analyzed By: MT
Prepared By: MT

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
MTBE	0.0947	mg/L	1	0.100	<0.000178	95	77.7 - 107
Benzene	0.0941	mg/L	1	0.100	<0.000119	94	78.8 - 106
Toluene	0.0945	mg/L	1	0.100	<0.000146	94	80.1 - 106
Ethylbenzene	0.0950	mg/L	1	0.100	<0.000119	95	79.3 - 107

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Xylene	0.286	mg/L	1	0.300	<0.0000970	95	79 - 108

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
MTBE	0.0947	mg/L	1	0.100	<0.000178	95	77.7 - 107	0	20
Benzene	0.0952	mg/L	1	0.100	<0.000119	95	78.8 - 106	1	20
Toluene	0.0948	mg/L	1	0.100	<0.000146	95	80.1 - 106	0	20
Ethylbenzene	0.0947	mg/L	1	0.100	<0.000119	95	79.3 - 107	0	20
Xylene	0.284	mg/L	1	0.300	<0.0000970	95	79 - 108	1	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)	0.102	0.0962	mg/L	1	0.100	102	96	82.6 - 108
4-Bromofluorobenzene (4-BFB)	0.105	0.0971	mg/L	1	0.100	105	97	82.5 - 117

Standard (ICV-1)

QC Batch: 46862

Date Analyzed: 2008-03-26

Analyzed By: MT

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.100	0.0967	97	85 - 115	2008-03-26
Benzene		mg/L	0.100	0.0948	95	85 - 115	2008-03-26
Toluene		mg/L	0.100	0.0948	95	85 - 115	2008-03-26
Ethylbenzene		mg/L	0.100	0.0941	94	85 - 115	2008-03-26
Xylene		mg/L	0.300	0.282	94	85 - 115	2008-03-26

Standard (CCV-1)

QC Batch: 46862

Date Analyzed: 2008-03-26

Analyzed By: MT

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.100	0.0905	90	85 - 115	2008-03-26
Benzene		mg/L	0.100	0.0916	92	85 - 115	2008-03-26
Toluene		mg/L	0.100	0.0920	92	85 - 115	2008-03-26
Ethylbenzene		mg/L	0.100	0.0913	91	85 - 115	2008-03-26
Xylene		mg/L	0.300	0.273	91	85 - 115	2008-03-26

email: lab@traceanalysis.com

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APPENDIX II

Laboratory Results
2nd Quarter 2008

LF-37

April 2009

Plains Marketing, L.P.
Houston, Texas

Prepared by:
BBC International, Inc.

Report Date: July 7, 2008

Work Order: 8063023
LF-37

Page Number: 1 of 1
Monument, NM

Summary Report

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

Report Date: July 7, 2008

Work Order: 8063023



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

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
165215	MW #3	water	2008-06-26	10:08	2008-06-28
165216	MW #4	water	2008-06-26	11:15	2008-06-28

Sample - Field Code	BTX				MTBE
	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)	MTBE (mg/L)
165215 - MW #3	0.00480	<0.00100	0.00110	0.00170	<0.00100
165216 - MW #4	<0.00100	<0.00100	<0.00100	0.00220	<0.00100



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E-Mail: lab@traceanalysis.com

NELAP Certifications

Lubbock T104704219-08-TX El Paso T104704221-08-TX Midland T104704392-08-TX

Analytical and Quality Control Report

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

Report Date: July 7, 2008

Work Order: 8063023



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
165215	MW #3	water	2008-06-26	10:08	2008-06-28
165216	MW #4	water	2008-06-26	11:15	2008-06-28

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 7 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 2008-06-28 and assigned to work order 8063023. Samples for work order 8063023 were received intact without headspace and at a temperature of 4.0 deg. C.

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

Test	Method
BTEX	S 8021B
MTBE	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 8063023 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.

Report Date: July 7, 2008
LF-37 (Plains)

Work Order: 8063023
LF-37

Page Number: 4 of 7
Monument, NM

Analytical Report

Sample: 165215 - MW #3

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 49943
Prep Batch: 42867

Analytical Method: S 8021B
Date Analyzed: 2008-07-02
Sample Preparation: 2008-07-02

Prep Method: S 5030B
Analyzed By: MT
Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
MTBE		<0.00100	mg/L	1	0.00100
Benzene		0.00480	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.00110	mg/L	1	0.00100
Xylene		0.00170	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.102	mg/L	1	0.100	102	83.3 - 118
4-Bromofluorobenzene (4-BFB)		0.103	mg/L	1	0.100	103	42.5 - 118

Sample: 165216 - MW #4

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 49943
Prep Batch: 42867

Analytical Method: S 8021B
Date Analyzed: 2008-07-02
Sample Preparation: 2008-07-02

Prep Method: S 5030B
Analyzed By: MT
Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
MTBE		<0.00100	mg/L	1	0.00100
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		0.00220	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.103	mg/L	1	0.100	103	83.3 - 118
4-Bromofluorobenzene (4-BFB)		0.0940	mg/L	1	0.100	94	42.5 - 118

Method Blank (1) QC Batch: 49943

QC Batch: 49943
Prep Batch: 42867

Date Analyzed: 2008-07-02
QC Preparation: 2008-07-02

Analyzed By: MT
Prepared By: MT

Report Date: July 7, 2008
LF-37 (Plains)

Work Order: 8063023
LF-37

Page Number: 5 of 7
Monument, NM

Parameter	Flag	MDL Result	Units	RL
MTBE		<0.00110	mg/L	0.001
Benzene		<0.000484	mg/L	0.001
Toluene		<0.000792	mg/L	0.001
Ethylbenzene		<0.000403	mg/L	0.001
Xylene		<0.000413	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.100	mg/L	1	0.100	100	74.6 - 116
4-Bromofluorobenzene (4-BFB)		0.0896	mg/L	1	0.100	90	46.1 - 97.3

Laboratory Control Spike (LCS-1)

QC Batch: 49943
Prep Batch: 42867

Date Analyzed: 2008-07-02
QC Preparation: 2008-07-02

Analyzed By: MT
Prepared By: MT

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
MTBE	0.103	mg/L	1	0.100	<0.00110	103	73.4 - 119
Benzene	0.100	mg/L	1	0.100	<0.000484	100	79 - 118
Toluene	0.103	mg/L	1	0.100	<0.000792	103	78.9 - 117
Ethylbenzene	0.106	mg/L	1	0.100	<0.000403	106	75.2 - 117
Xylene	0.320	mg/L	1	0.300	<0.000413	107	75.8 - 118

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
MTBE	0.0977	mg/L	1	0.100	<0.00110	98	73.4 - 119	5	20
Benzene	0.0965	mg/L	1	0.100	<0.000484	96	79 - 118	4	20
Toluene	0.0996	mg/L	1	0.100	<0.000792	100	78.9 - 117	3	20
Ethylbenzene	0.102	mg/L	1	0.100	<0.000403	102	75.2 - 117	4	20
Xylene	0.309	mg/L	1	0.300	<0.000413	103	75.8 - 118	4	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)	0.0994	0.0988	mg/L	1	0.100	99	99	80.3 - 116
4-Bromofluorobenzene (4-BFB)	0.105	0.101	mg/L	1	0.100	105	101	80.9 - 120

Matrix Spike (MS-1) Spiked Sample: 165340

QC Batch: 49943
Prep Batch: 42867

Date Analyzed: 2008-07-02
QC Preparation: 2008-07-02

Analyzed By: MT
Prepared By: MT

Report Date: July 7, 2008
LF-37 (Plains)

Work Order: 8063023
LF-37

Page Number: 6 of 7
Monument, NM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
MTBE	0.0989	mg/L	1	0.100	<0.00110	99	71.2 - 122
Benzene	0.148	mg/L	1	0.100	0.0444	104	64.5 - 130
Toluene	0.115	mg/L	1	0.100	0.0115	104	71.1 - 124
Ethylbenzene	0.108	mg/L	1	0.100	0.0017	106	58.3 - 128
Xylene	0.332	mg/L	1	0.300	0.0103	107	59.4 - 128

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
MTBE	0.100	mg/L	1	0.100	<0.00110	100	71.2 - 122	1	20
Benzene	0.143	mg/L	1	0.100	0.0444	99	64.5 - 130	3	20
Toluene	0.115	mg/L	1	0.100	0.0115	104	71.1 - 124	0	20
Ethylbenzene	0.107	mg/L	1	0.100	0.0017	105	58.3 - 128	1	20
Xylene	0.331	mg/L	1	0.300	0.0103	107	59.4 - 128	0	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)	0.0992	0.101	mg/L	1	0.1	99	101	76.8 - 120
4-Bromofluorobenzene (4-BFB)	0.104	0.104	mg/L	1	0.1	104	104	76.7 - 124

Standard (ICV-1)

QC Batch: 49943

Date Analyzed: 2008-07-02

Analyzed By: MT

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.100	0.0970	97	85 - 115	2008-07-02
Benzene		mg/L	0.100	0.0974	97	85 - 115	2008-07-02
Toluene		mg/L	0.100	0.101	101	85 - 115	2008-07-02
Ethylbenzene		mg/L	0.100	0.105	105	85 - 115	2008-07-02
Xylene		mg/L	0.300	0.316	105	85 - 115	2008-07-02

Standard (CCV-1)

QC Batch: 49943

Date Analyzed: 2008-07-02

Analyzed By: MT

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.100	0.104	104	85 - 115	2008-07-02
Benzene		mg/L	0.100	0.0988	99	85 - 115	2008-07-02
Toluene		mg/L	0.100	0.102	102	85 - 115	2008-07-02

continued ...

Report Date: July 7, 2008
LF-37 (Plains)

Work Order: 8063023
LF-37

Page Number: 7 of 7
Monument, NM

standard continued . . .

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ethylbenzene		mg/L	0.100	0.105	105	85 - 115	2008-07-02
Xylene		mg/L	0.300	0.316	105	85 - 115	2008-07-02

APPENDIX III

Laboratory Results
3rd Quarter 2008

LF-37

April 2009

Plains Marketing, L.P.
Houston, Texas

Prepared by:
BBC International, Inc.

Report Date: October 2, 2008

Work Order: 8093009
LF-37

Page Number: 1 of 1
Monument, NM

Summary Report

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

Report Date: October 2, 2008

Work Order: 8093009



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

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
175014	MW #3	water	2008-09-25	11:11	2008-09-30

Sample - Field Code	BTEX				MTBE
	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)	MTBE (mg/L)
175014 - MW #3	0.00240	0.00180	<0.00100	0.00710	



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E-Mail: leo@traceanalysis.com

Certifications

WBENC: 237019

HUB: 1752439743100-86536
NCTRCA WFWB38444Y0909

DBE: VN 20657

NELAP Certifications

Lubbock: T104704219-08-TX
LELAP-02003
Kansas E-10317

El Paso: T104704221-08-TX
LELAP-02002

Midland: T104704392-08-TX

Analytical and Quality Control Report

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

Report Date: October 2, 2008

Work Order: 8093009



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
175014	MW #3	water	2008-09-25	11:11	2008-09-30

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 5 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.

Case Narrative

Samples for project LF-37 were received by TraceAnalysis, Inc. on 2008-09-30 and assigned to work order 8093009. Samples for work order 8093009 were received intact without headspace and at a temperature of 3.2 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 8093009 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.

Report Date: October 2, 2008
LF-37 (Plains)

Work Order: 8093009
LF-37

Page Number: 4 of 5
Monument, NM

Analytical Report

Sample: 175014 - MW #3

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 52907
Prep Batch: 45329

Analytical Method: S 8021B
Date Analyzed: 2008-10-01
Sample Preparation: 2008-10-01

Prep Method: S 5030B
Analyzed By: ER
Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00240	mg/L	1	0.00100
Toluene		0.00180	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		0.00710	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0956	mg/L	1	0.100	96	55.6 - 121.3
4-Bromofluorobenzene (4-BFB)		0.103	mg/L	1	0.100	103	58.1 - 118.4

Method Blank (1) QC Batch: 52907

QC Batch: 52907
Prep Batch: 45329

Date Analyzed: 2008-10-01
QC Preparation: 2008-10-01

Analyzed By: ER
Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000119	mg/L	0.001
Toluene		<0.000146	mg/L	0.001
Ethylbenzene		<0.000119	mg/L	0.001
Xylene		0.000300	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	69.3 - 105.6
4-Bromofluorobenzene (4-BFB)		0.0951	mg/L	1	0.100	95	66.8 - 110.2

Laboratory Control Spike (LCS-1)

QC Batch: 52907
Prep Batch: 45329

Date Analyzed: 2008-10-01
QC Preparation: 2008-10-01

Analyzed By: ER
Prepared By: ER

Report Date: October 2, 2008
LF-37 (Plains)

Work Order: 8093009
LF-37

Page Number: 5 of 5
Monument, NM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.103	mg/L	1	0.100	<0.000119	103	81.5 - 108.2
Toluene	0.104	mg/L	1	0.100	<0.000146	104	80.8 - 109
Ethylbenzene	0.104	mg/L	1	0.100	<0.000119	104	80.7 - 109.2
Xylene	0.314	mg/L	1	0.300	0.0003	104	80 - 109.3

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	0.0998	mg/L	1	0.100	<0.000119	100	81.5 - 108.2	3	20
Toluene	0.100	mg/L	1	0.100	<0.000146	100	80.8 - 109	4	20
Ethylbenzene	0.100	mg/L	1	0.100	<0.000119	100	80.7 - 109.2	4	20
Xylene	0.303	mg/L	1	0.300	0.0003	101	80 - 109.3	4	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)	0.0967	0.0947	mg/L	1	0.100	97	95	79.3 - 114.3
4-Bromofluorobenzene (4-BFB)	0.0982	0.0964	mg/L	1	0.100	98	96	76.3 - 119.7

Standard (ICV-1)

QC Batch: 52907

Date Analyzed: 2008-10-01

Analyzed By: ER

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0970	97	85 - 115	2008-10-01
Toluene		mg/L	0.100	0.0991	99	85 - 115	2008-10-01
Ethylbenzene		mg/L	0.100	0.102	102	85 - 115	2008-10-01
Xylene		mg/L	0.300	0.307	102	85 - 115	2008-10-01

Standard (CCV-1)

QC Batch: 52907

Date Analyzed: 2008-10-01

Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0928	93	85 - 115	2008-10-01
Toluene		mg/L	0.100	0.0943	94	85 - 115	2008-10-01
Ethylbenzene		mg/L	0.100	0.0911	91	85 - 115	2008-10-01
Xylene		mg/L	0.300	0.270	90	85 - 115	2008-10-01

TraceAnalysis, Inc.

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Lubbock, Texas 79424
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El Paso, Texas 79922
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8808 Camp Bowie Blvd. West. Suite 180

[illegible]

APPENDIX IV

Laboratory Results
4th Quarter 2008

LF-37

April 2009

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 29, 2008

Work Order: 8122213



Project Location: Monument, NM
Project Name: Plains LF-37

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
183288	MW-2	water	2008-12-18	12:33	2008-12-20
183289	MW-5	water	2008-12-18	13:10	2008-12-20
183290	MW-6	water	2008-12-18	13:41	2008-12-20
183291	MW-8	water	2008-12-18	14:09	2008-12-20
183292	MW-9	water	2008-12-18	14:41	2008-12-20
183293	MW-4	water	2008-12-18	15:18	2008-12-20
183294	MW-3	water	2008-12-18	15:58	2008-12-20

Sample - Field Code	BTEX				MTBE
	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)	MTBE (mg/L)
183288 - MW-2	<0.00100	<0.00100	<0.00100	<0.00100	
183289 - MW-5	<0.00100	<0.00100	<0.00100	<0.00100	
183290 - MW-6	<0.00100	<0.00100	<0.00100	<0.00100	
183291 - MW-8	<0.00100	<0.00100	<0.00100	<0.00100	
183292 - MW-9	<0.00100	<0.00100	<0.00100	<0.00100	
183293 - MW-4	<0.00100	<0.00100	<0.00100	<0.00100	
183294 - MW-3	0.0432	<0.00100	0.00230	0.0119	



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200 East Sunset Road, Suite E El Paso, Texas 79922 889•589•3443 915•585•3443 FAX 915•585•4944
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

Certifications

WBENC: 237019

HUB: 1752439743100-86536
NCTRCA WFWB38444Y0909

DBE: VN 20657

NELAP Certifications

Lubbock: T104704219-08-TX
LELAP-02003
Kansas E-10317

El Paso: T104704221-08-TX
LELAP-02002

Midland: T104704392-08-TX

Analytical and Quality Control Report

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

Report Date: December 29, 2008

Work Order: 8122213



Project Location: Monument, NM
Project Name: Plains LF-37
Project Number: Plains LF-37

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
183288	MW-2	water	2008-12-18	12:33	2008-12-20
183289	MW-5	water	2008-12-18	13:10	2008-12-20
183290	MW-6	water	2008-12-18	13:41	2008-12-20
183291	MW-8	water	2008-12-18	14:09	2008-12-20
183292	MW-9	water	2008-12-18	14:41	2008-12-20
183293	MW-4	water	2008-12-18	15:18	2008-12-20
183294	MW-3	water	2008-12-18	15:58	2008-12-20

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 13 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.

Case Narrative

Samples for project Plains LF-37 were received by TraceAnalysis, Inc. on 2008-12-20 and assigned to work order 8122213. Samples for work order 8122213 were received intact without headspace and at a temperature of 6.0 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 8122213 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.

Report Date: December 29, 2008
Plains LF-37

Work Order: 8122213
Plains LF-37

Page Number: 4 of 13
Monument, NM

Analytical Report

Sample: 183288 - MW-2

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 55510
Prep Batch: 47440

Analytical Method: S 8021B
Date Analyzed: 2008-12-24
Sample Preparation: 2008-12-24

Prep Method: S 5030B
Analyzed By: ER
Prepared By: ER

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)		0.0963	mg/L	1	0.100	96	72.8 - 116.2
4-Bromofluorobenzene (4-BFB)		0.0949	mg/L	1	0.100	95	61.1 - 116.2

Sample: 183289 - MW-5

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 55468
Prep Batch: 47406

Analytical Method: S 8021B
Date Analyzed: 2008-12-23
Sample Preparation: 2008-12-23

Prep Method: S 5030B
Analyzed By: MT
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)		0.101	mg/L	1	0.100	101	61.9 - 136.3
4-Bromofluorobenzene (4-BFB)		0.110	mg/L	1	0.100	110	53.2 - 129.7

Sample: 183290 - MW-6

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 55468
Prep Batch: 47406

Analytical Method: S 8021B
Date Analyzed: 2008-12-23
Sample Preparation: 2008-12-23

Prep Method: S 5030B
Analyzed By: MT
Prepared By: MT

Report Date: December 29, 2008
Plains LF-37

Work Order: 8122213
Plains LF-37

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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)		0.0992	mg/L	1	0.100	99	61.9 - 136.3
4-Bromofluorobenzene (4-BFB)		0.105	mg/L	1	0.100	105	53.2 - 129.7

Sample: 183291 - MW-8

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 55468
Prep Batch: 47406

Analytical Method: S 8021B
Date Analyzed: 2008-12-23
Sample Preparation: 2008-12-23

Prep Method: S 5030B
Analyzed By: MT
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)		0.0982	mg/L	1	0.100	98	61.9 - 136.3
4-Bromofluorobenzene (4-BFB)		0.105	mg/L	1	0.100	105	53.2 - 129.7

Sample: 183292 - MW-9

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 55510
Prep Batch: 47440

Analytical Method: S 8021B
Date Analyzed: 2008-12-24
Sample Preparation: 2008-12-24

Prep Method: S 5030B
Analyzed By: ER
Prepared By: ER

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)		0.0988	mg/L	1	0.100	99	72.8 - 116.2
4-Bromofluorobenzene (4-BFB)		0.0974	mg/L	1	0.100	97	61.1 - 116.2

Sample: 183293 - MW-4

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 55544
Prep Batch: 47472

Analytical Method: S 8021B
Date Analyzed: 2008-12-26
Sample Preparation: 2008-12-26

Prep Method: S 5030B
Analyzed By: MT
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)		0.0992	mg/L	1	0.100	99	61.9 - 136.3
4-Bromofluorobenzene (4-BFB)		0.108	mg/L	1	0.100	108	53.2 - 129.7

Sample: 183294 - MW-3

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 55544
Prep Batch: 47472

Analytical Method: S 8021B
Date Analyzed: 2008-12-26
Sample Preparation: 2008-12-26

Prep Method: S 5030B
Analyzed By: MT
Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0432	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.00230	mg/L	1	0.00100
Xylene		0.0119	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.112	mg/L	1	0.100	112	61.9 - 136.3
4-Bromofluorobenzene (4-BFB)	¹	0.131	mg/L	1	0.100	131	53.2 - 129.7

¹ High surrogate recovery due to peak interference.

Report Date: December 29, 2008
Plains LF-37

Work Order: 8122213
Plains LF-37

Page Number: 7 of 13
Monument, NM

Method Blank (1) QC Batch: 55468

QC Batch: 55468
Prep Batch: 47406

Date Analyzed: 2008-12-23
QC Preparation: 2008-12-23

Analyzed By: MT
Prepared By: MT

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000208	mg/L	0.001
Toluene		<0.000199	mg/L	0.001
Ethylbenzene		<0.000347	mg/L	0.001
Xylene		<0.000468	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0963	mg/L	1	0.100	96	70.5 - 111.5
4-Bromofluorobenzene (4-BFB)		0.101	mg/L	1	0.100	101	56.5 - 109.3

Method Blank (1) QC Batch: 55510

QC Batch: 55510
Prep Batch: 47440

Date Analyzed: 2008-12-24
QC Preparation: 2008-12-24

Analyzed By: ER
Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000484	mg/L	0.001
Toluene		<0.000792	mg/L	0.001
Ethylbenzene		<0.000403	mg/L	0.001
Xylene		<0.000413	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0968	mg/L	1	0.100	97	73.2 - 111
4-Bromofluorobenzene (4-BFB)		0.101	mg/L	1	0.100	101	37.3 - 108.4

Method Blank (1) QC Batch: 55544

QC Batch: 55544
Prep Batch: 47472

Date Analyzed: 2008-12-26
QC Preparation: 2008-12-26

Analyzed By: MT
Prepared By: MT

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000208	mg/L	0.001
Toluene		<0.000199	mg/L	0.001
Ethylbenzene		<0.000347	mg/L	0.001
Xylene		<0.000468	mg/L	0.001

Report Date: December 29, 2008
Plains LF-37

Work Order: 8122213
Plains LF-37

Page Number: 8 of 13
Monument, NM

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.104	mg/L	1	0.100	104	70.5 - 111.5
4-Bromofluorobenzene (4-BFB)		0.106	mg/L	1	0.100	106	56.5 - 109.3

Laboratory Control Spike (LCS-1)

QC Batch: 55468
Prep Batch: 47406

Date Analyzed: 2008-12-23
QC Preparation: 2008-12-23

Analyzed By: MT
Prepared By: MT

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0951	mg/L	1	0.100	<0.000208	95	79.4 - 113.7
Toluene	0.0992	mg/L	1	0.100	<0.000199	99	80.3 - 114.6
Ethylbenzene	0.0991	mg/L	1	0.100	<0.000347	99	82.2 - 116.2
Xylene	0.289	mg/L	1	0.300	<0.000468	96	84.2 - 117.8

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	0.0939	mg/L	1	0.100	<0.000208	94	79.4 - 113.7	1	20
Toluene	0.0987	mg/L	1	0.100	<0.000199	99	80.3 - 114.6	0	20
Ethylbenzene	0.0986	mg/L	1	0.100	<0.000347	99	82.2 - 116.2	0	20
Xylene	0.286	mg/L	1	0.300	<0.000468	95	84.2 - 117.8	1	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)	0.0901	0.0912	mg/L	1	0.100	90	91	72.3 - 115.2
4-Bromofluorobenzene (4-BFB)	0.0915	0.0934	mg/L	1	0.100	92	93	79 - 121.8

Laboratory Control Spike (LCS-1)

QC Batch: 55510
Prep Batch: 47440

Date Analyzed: 2008-12-24
QC Preparation: 2008-12-24

Analyzed By: ER
Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0968	mg/L	1	0.100	<0.000484	97	80.9 - 117.5
Toluene	0.100	mg/L	1	0.100	<0.000792	100	80.2 - 116.6
Ethylbenzene	0.0982	mg/L	1	0.100	<0.000403	98	75 - 118.6
Xylene	0.300	mg/L	1	0.300	<0.000413	100	75.1 - 119.5

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

Report Date: December 29, 2008
Plains LF-37

Work Order: 8122213
Plains LF-37

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Monument, NM

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.0959	mg/L	1	0.100	<0.000484	96	80.9 - 117.5	1	20
Toluene	0.0975	mg/L	1	0.100	<0.000792	98	80.2 - 116.6	2	20
Ethylbenzene	0.0976	mg/L	1	0.100	<0.000403	98	75 - 118.6	1	20
Xylene	0.297	mg/L	1	0.300	<0.000413	99	75.1 - 119.5	1	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	0.0951	mg/L	1	0.100	95	95	77.7 - 114.5
4-Bromofluorobenzene (4-BFB)	0.101	0.100	mg/L	1	0.100	101	100	74.7 - 121.4

Laboratory Control Spike (LCS-1)

QC Batch: 55544
Prep Batch: 47472

Date Analyzed: 2008-12-26
QC Preparation: 2008-12-26

Analyzed By: MT
Prepared By: MT

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0984	mg/L	1	0.100	<0.000208	98	79.4 - 113.7
Toluene	0.104	mg/L	1	0.100	<0.000199	104	80.3 - 114.6
Ethylbenzene	0.103	mg/L	1	0.100	<0.000347	103	82.2 - 116.2
Xylene	0.300	mg/L	1	0.300	<0.000468	100	84.2 - 117.8

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	0.0974	mg/L	1	0.100	<0.000208	97	79.4 - 113.7	1	20
Toluene	0.103	mg/L	1	0.100	<0.000199	103	80.3 - 114.6	1	20
Ethylbenzene	0.101	mg/L	1	0.100	<0.000347	101	82.2 - 116.2	2	20
Xylene	0.296	mg/L	1	0.300	<0.000468	99	84.2 - 117.8	1	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)	0.0965	0.0971	mg/L	1	0.100	96	97	72.3 - 115.2
4-Bromofluorobenzene (4-BFB)	0.0952	0.0958	mg/L	1	0.100	95	96	79 - 121.8

Matrix Spike (MS-1) Spiked Sample: 183286

QC Batch: 55468
Prep Batch: 47406

Date Analyzed: 2008-12-23
QC Preparation: 2008-12-23

Analyzed By: MT
Prepared By: MT

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0929	mg/L	1	0.100	0.0029	90	66.8 - 128.4
Toluene	0.0979	mg/L	1	0.100	<0.000199	98	69 - 125.8
Ethylbenzene	0.0981	mg/L	1	0.100	<0.000347	98	69.7 - 126.1
Xylene	0.285	mg/L	1	0.300	<0.000468	95	69.2 - 128.8

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	0.0925	mg/L	1	0.100	0.0029	90	66.8 - 128.4	0	20
Toluene	0.0980	mg/L	1	0.100	<0.000199	98	69 - 125.8	0	20
Ethylbenzene	0.0976	mg/L	1	0.100	<0.000347	98	69.7 - 126.1	0	20
Xylene	0.284	mg/L	1	0.300	<0.000468	95	69.2 - 128.8	0	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)	0.0875	0.0865	mg/L	1	0.1	88	86	73.4 - 117.3
4-Bromofluorobenzene (4-BFB)	0.0916	0.0897	mg/L	1	0.1	92	90	74 - 129.4

Matrix Spike (MS-1) Spiked Sample: 183288

QC Batch: 55510
Prep Batch: 47440

Date Analyzed: 2008-12-24
QC Preparation: 2008-12-24

Analyzed By: ER
Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0989	mg/L	1	0.100	<0.000484	99	72.6 - 124.1
Toluene	0.0993	mg/L	1	0.100	<0.000792	99	72.7 - 120.5
Ethylbenzene	0.0982	mg/L	1	0.100	<0.000403	98	66.6 - 121.5
Xylene	0.299	mg/L	1	0.300	0.0006	99	68.9 - 121.5

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	0.0956	mg/L	1	0.100	<0.000484	96	72.6 - 124.1	3	20
Toluene	0.0960	mg/L	1	0.100	<0.000792	96	72.7 - 120.5	3	20
Ethylbenzene	0.0955	mg/L	1	0.100	<0.000403	96	66.6 - 121.5	3	20
Xylene	0.290	mg/L	1	0.300	0.0006	97	68.9 - 121.5	3	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)	0.0941	0.0935	mg/L	1	0.1	94	94	77.3 - 114.6

continued ...

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matrix spikes continued ...

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
4-Bromofluorobenzene (4-BFB)	0.0993	0.0988	mg/L	1	0.1	99	99	72.1 - 126.2

Matrix Spike (MS-1) Spiked Sample: 183631

QC Batch: 55544
Prep Batch: 47472

Date Analyzed: 2008-12-26
QC Preparation: 2008-12-26

Analyzed By: MT
Prepared By: MT

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	²	0.0633	mg/L	1	0.100	<0.000208	63	66.8 - 128.4
Toluene	³	0.0668	mg/L	1	0.100	<0.000199	67	69 - 125.8
Ethylbenzene	⁴	0.0668	mg/L	1	0.100	<0.000347	67	69.7 - 126.1
Xylene	⁵	0.195	mg/L	1	0.300	<0.000468	65	69.2 - 128.8

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	⁶	0.0853	mg/L	1	0.100	<0.000208	85	66.8 - 128.4	30	20
Toluene	⁷	0.0907	mg/L	1	0.100	<0.000199	91	69 - 125.8	30	20
Ethylbenzene	⁸	0.0909	mg/L	1	0.100	<0.000347	91	69.7 - 126.1	31	20
Xylene	⁹	0.265	mg/L	1	0.300	<0.000468	88	69.2 - 128.8	30	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)	0.101	0.0977	mg/L	1	0.1	101	98	73.4 - 117.3
4-Bromofluorobenzene (4-BFB)	0.100	0.0965	mg/L	1	0.1	100	96	74 - 129.4

Standard (CCV-2)

QC Batch: 55468

Date Analyzed: 2008-12-23

Analyzed By: MT

²Matrix spike recovery out of control limits. Use LCS/LCSD to demonstrate analysis is under control.

³Matrix spike recovery out of control limits. Use LCS/LCSD to demonstrate analysis is under control.

⁴Matrix spike recovery out of control limits. Use LCS/LCSD to demonstrate analysis is under control.

⁵Matrix spike recovery out of control limits. Use LCS/LCSD to demonstrate analysis is under control.

⁶Matrix spike RPD out of control limits. Use LCS/LCSD to demonstrate analysis is under control.

⁷Matrix spike RPD out of control limits. Use LCS/LCSD to demonstrate analysis is under control.

⁸Matrix spike RPD out of control limits. Use LCS/LCSD to demonstrate analysis is under control.

⁹Matrix spike RPD out of control limits. Use LCS/LCSD to demonstrate analysis is under control.

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0962	96	80 - 120	2008-12-23
Toluene		mg/L	0.100	0.0998	100	80 - 120	2008-12-23
Ethylbenzene		mg/L	0.100	0.0990	99	80 - 120	2008-12-23
Xylene		mg/L	0.300	0.287	96	80 - 120	2008-12-23

Standard (CCV-3)

QC Batch: 55468

Date Analyzed: 2008-12-23

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	0.0936	94	80 - 120	2008-12-23
Toluene		mg/L	0.100	0.0970	97	80 - 120	2008-12-23
Ethylbenzene		mg/L	0.100	0.0962	96	80 - 120	2008-12-23
Xylene		mg/L	0.300	0.281	94	80 - 120	2008-12-23

Standard (CCV-1)

QC Batch: 55510

Date Analyzed: 2008-12-24

Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0970	97	80 - 120	2008-12-24
Toluene		mg/L	0.100	0.0994	99	80 - 120	2008-12-24
Ethylbenzene		mg/L	0.100	0.0980	98	80 - 120	2008-12-24
Xylene		mg/L	0.300	0.299	100	80 - 120	2008-12-24

Standard (CCV-2)

QC Batch: 55510

Date Analyzed: 2008-12-24

Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0948	95	80 - 120	2008-12-24
Toluene		mg/L	0.100	0.0976	98	80 - 120	2008-12-24
Ethylbenzene		mg/L	0.100	0.0956	96	80 - 120	2008-12-24
Xylene		mg/L	0.300	0.292	97	80 - 120	2008-12-24

Report Date: December 29, 2008
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Monument, NM

Standard (CCV-2)

QC Batch: 55544

Date Analyzed: 2008-12-26

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	0.100	100	80 - 120	2008-12-26
Toluene		mg/L	0.100	0.105	105	80 - 120	2008-12-26
Ethylbenzene		mg/L	0.100	0.104	104	80 - 120	2008-12-26
Xylene		mg/L	0.300	0.303	101	80 - 120	2008-12-26

Standard (CCV-3)

QC Batch: 55544

Date Analyzed: 2008-12-26

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	0.0968	97	80 - 120	2008-12-26
Toluene		mg/L	0.100	0.102	102	80 - 120	2008-12-26
Ethylbenzene		mg/L	0.100	0.104	104	80 - 120	2008-12-26
Xylene		mg/L	0.300	0.297	99	80 - 120	2008-12-26

TraceAnalysis, Inc.

email: lab@traceanalysis.com

Company Name: **BBC INTERNATIONAL**
 Address: (Street, City, Zip)
 1324 W. MARLIND 40800 NM
 Contact Person: *Cliff Benion*
 Phone #: (575) 3976398
 Fax #: (575) 3970397
 E-mail:

Invoice to:
 If different from above)
 Project #:

Project Name: **PLAINS LF-37**
 Sampler Signature: *[Signature]*

Project Location (including state): **Monument NM**

LAB # LAB USE ONLY	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX				PRESERVATIVE METHOD					SAMPLING	
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE
83288	MW 2	3	VOA	✓				✓				✓	12/18	12:33
289	MW 5	3	VOA	✓				✓				✓	12/18	1:10
290	MW 6	3	VOA	✓				✓				✓	12/18	1:41
291	MW 8	3	VOA	✓				✓				✓	12/18	2:09
292	MW 9	3	VOA	✓				✓				✓	12/18	2:41
293	MW 4	3	VOA	✓				✓				✓	12/18	3:18
294	MW 3	3	VOA	✓				✓				✓	12/18	3:58
	Temp Blank	1												

ANALYSIS REQUEST (Circle or Specify Method No.)

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	✓
PCBs 8082 / 608	✓
Pesticides 8081A / 608	✓
BOD, TSS, pH	✓
Moisture Content	✓
Turn Around Time if different from standard	✓

REMARKS:

LAB USE ONLY

Inact ☒ Y ☐ N
 Headspace ☒ Y ☐ N
 Log-in-Review ☒ Y ☐ N
 Dry Weight Basis Required ☐
 TRRP Report Required ☐
 Check if Special Reporting Limits Are Needed ☐

Relinquished by: <i>[Signature]</i>	Company: BBC	Date: 12-18-08	Time: 5:00	Received by:	Company:	Date:	Time:
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

Empire Trail 12-10-08 10:00 6.0

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

ORIGINAL COPY

Carrier # **FE 796201099710**

LAB Order ID #

8122213

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6701 Aberdeen Avenue, Suite 9
 Lubbock, Texas 79424
 Tel (806) 794-1296
 Fax (806) 794-1298
 1 (800) 378-1296

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

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

APPENDIX V

FORM C-141

LF-37

April 2009

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.
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LOCATION OF RELEASE

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