1R - __110____

Annual GW Mon. Report

Year(s): _____2011_____

2011
ANNUAL MONITORING REPORT

MONUMENT 2

SW ¼ SW ¼ SECTION 06, TOWNSHIP 20 SOUTH, RANGE 37 EAST
NW ¼ NW ¼ SECTION 07, TOWNSHIP 20 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO
PLAINS SRS NUMBER: TNM MONUMENT 2-KNOWN
NMOCD File Number 1R-0110

PREPARED FOR:

Prepared For:

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

Prepared By:

NOVA Safety and Environmental
2057 Commerce Street
Midland, Texas 79703

March 2012

Ronald K. Rounsaville
Senior Project Manager

Brittan K. Byerly, P.G.
President

PLAINS
ALL AMERICAN

March 22, 2012

RECEIVED

MAR 26 2012

Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87505

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

Re: Plains All American – 2011 Annual Monitoring Reports
15 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:

34 Junc. to Lea Sta.	1R-0386	Section 21, Township 20 South, Range 37 East, Lea County
34 Junction South	1R-0456	Section 02, Township 17 South, Range 36 East, Lea County
Bob Durham	AP-0016	Section 32, Township 19 South, Range 37 East, Lea County
HDO-90-23	AP-009	Section 06, Township 20 South, Range 37 East, Lea County
LF-59	1R-0103	Section 32, Township 19 South, Range 37 East, Lea County
Monument 2	1R-0110	Section 06, Township 20 South, Range 37 East, Lea County Section 07, Township 20 South, Range 37 East, Lea, County
Monument 10	1R-0119	Section 30, Township 19 South, Range 37 East, Lea County
Monument 17	1R-123	Section 29, Township 19 South, Range 37 East, Lea County
Monument 18	1R-0124	Section 07, Township 20 South, Range 37 East, Lea County
SPS-11	GW-0140	Section 18, Township 18 South, Range 36 East, Lea County
Texaco Skelly F	1R-0420	Section 11, Township 21 South, Range 37 East, Lea County
TNM 97-04	GW-0294	Section 11, Township 16 South, Range 35 East, Lea County
TNM 97-17	AP-017	Section 21, Township 20 South, Range 37 East, Lea County
TNM 97-18	AP-0013	Section 28, Township 20 South, Range 37 East, Lea County
TNM 98-05A	AP-12	Section 26, Township 21 South, Range 37 East, Lea County

Nova Safety and Environmental (Nova) 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 Nova personnel 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.

PLAINS
ALL AMERICAN

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: Geoff Leking, NMOCD, Hobbs, NM

Enclosures

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FIGURES

TABLES

APPENDICES

ENCLOSED ON DATA DISK

INTRODUCTION

On behalf of Plains Marketing, L.P., (Plains), NOVA Safety and Environmental (NOVA) is pleased to submit this 2011 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 May 29, 2004, project management responsibilities for the Monument 2 Site (the site) were assumed by NOVA. The site, formerly the responsibility of Enron Oil Trading and Transportation (EOTT), is now the responsibility of Plains. This report is intended to be viewed as a complete document with text, figures, tables, and appendices. This report presents the results of the quarterly groundwater monitoring events conducted in calendar year 2011 only. However, historic data tables as well as 2011 laboratory analytical reports are provided on the enclosed disk. For reference, a Site Location Map is provided as Figure 1.

Groundwater monitoring was conducted each quarter of 2011 to assess the levels and extent of dissolved phase constituents and Phase Separated Hydrocarbon (PSH). The groundwater monitoring events consisted of measuring static water levels in the monitor wells, checking for the presence of PSH and purging and sampling of each well exhibiting sufficient recharge. Monitor wells containing a thickness of PSH greater than 0.01 foot were not sampled.

SITE DESCRIPTION AND BACKGROUND INFORMATION

The legal description of the site's location is SW ¼ SW ¼ Section 6, Township 20 South, Range 37 East and NW ¼ NW ¼ Section 7, Township 20 South, Range 37 East. No information with respect to the release date, volume of crude oil released and recovered, excavation dimensions or pipeline repair is available as the release at the site occurred while the pipeline was operated by the Texas New Mexico Pipe Line Company (TNM). The Release Notification and Corrective Action (Form C-141) is provided as Appendix B. The initial site investigation, consisting of the installation of seven groundwater monitor wells (MW-1 through MW-7) was conducted by previous consultants. Currently, there are eight monitor wells (MW-1 through MW-8) on-site. Figure 2 displays the location of on-site monitor wells, initial excavation limits, pipelines and other site details.

FIELD ACTIVITIES

Product Recovery Efforts

Based on the gauging data collected during the reporting period, none of the monitor wells exhibited a measurable thickness of PSH during the reporting period. Approximately 52 gallons (1.2 barrels) of PSH have been recovered by manual recovery methods since project inception.

Groundwater Monitoring

Quarterly monitoring events for the reporting period were performed according to the following sampling schedule, which was approved by the NMOCD in correspondence dated April 28, 2004 and amended by NMOCD correspondence dated July 7, 2005.

NMOCD Approved Sampling Schedule			
MW-1	Annually	MW-5	Quarterly
MW-2	Quarterly	MW-6	Annually
MW-3	Annually	MW-7	Annually
MW-4	Semi-Annually	MW-8	Quarterly

Quarterly groundwater sampling events conducted this reporting period were performed on February 8, May 16, August 9 and October 31, 2011. During each sampling event, the monitor wells were purged of a minimum of three well volumes of water or until the wells were dry using a disposable polyethylene 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 a polystyrene tank and disposed of at a licensed disposal facility.

Figures 2A through 2D, depict the inferred groundwater gradient, derived from gauging data collected during each quarterly sampling event and surveyed top of casing (TOC) elevations. Groundwater elevation data for 2011 is provided as Table 1. Historic groundwater elevation data beginning at project inception is provided on the enclosed disk.

The most recent Groundwater Gradient Map, Figure 2D, indicates a general gradient of approximately 0.0035 feet/foot to the south-southeast as measured between the up-gradient and down-gradient monitor wells, MW-3 and MW-1, respectively. This is consistent with data presented on Figures 2A through 2C from earlier in the year. The corrected groundwater elevations ranged between 3,527.96 to 3,528.89 feet above mean sea level, in monitor well MW-1 on October 31, 2011 and in monitor well MW-8 on May 19, 2011, respectively.

LABORATORY RESULTS

Groundwater samples obtained during the quarterly sampling events of 2011 were delivered to Trace Analysis, Inc. in Midland, Texas for determination of Benzene, Toluene, Ethylbenzene and Xylene (BTEX) constituent concentrations by EPA Method 8021B. Polynuclear Aromatic Hydrocarbons (PAH) analysis was conducted on monitor wells MW-2 and MW-8 during 2011. Based upon historic PAH analytical data, only those wells exhibiting elevated constituent concentrations above WQCC standards are sampled, with the exclusion of those wells containing measurable PSH thicknesses. A listing of BTEX constituent concentrations for 2011 are summarized in Table 2 and the historic PAH constituent concentrations are summarized in Table 3. Copies of the laboratory reports generated for 2011 are provided on the enclosed data disk. The quarterly groundwater sample results for BTEX constituent concentrations are depicted on Figures 3A through 3D.

Monitor well MW-1 is sampled on an annual schedule. Analytical results indicate benzene, toluene, ethyl-benzene and xylenes concentrations were below the NMOCD regulatory standards for each BTEX constituent during the 4th quarter sampling event. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-2 is sampled on a quarterly schedule. Analytical results indicate benzene concentrations ranged from 0.0090 mg/L during the 4th quarter to 0.0150 mg/L during the 2nd quarter of 2011. Benzene concentrations were above NMOCD regulatory standards of 0.01

mg/L, during the 1st, 2nd and 3rd quarters of the reporting period. Toluene concentrations were below the MDL and NMOCD regulatory standard of 0.75 mg/L during all four quarters of the reporting period. Ethyl-benzene concentrations ranged from 0.0726 mg/L during the 2nd quarter to 0.1030 mg/L during the 3rd quarter of 2011. Ethyl-benzene concentrations were below NMOCD regulatory standard of 0.75 mg/L, during all four quarters of the reporting period. Xylene concentrations ranged from 0.0156 mg/L during the 4th quarter to 0.0395 mg/L during the 1st quarter of 2011. Xylene concentrations were below NMOCD regulatory standard of 0.62 mg/L, during all four quarters of the reporting period. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above WQCC Drinking Water Standards of 1-methylnaphthalene (0.473 mg/L) and phenanthrene (0.0146 mg/L). Additional PAH constituents detected above MDLs include naphthalene (0.00717 mg/L), 2-methylnaphthalene (0.00835 mg/L) and dibenzofuran (0.0085 mg/L), which are below the WQCC Drinking Water Standards.

Monitor well MW-3 was scheduled to be sampled on an annual basis, but was sampled on a quarterly basis during the current reporting period (as recommended in the 2008 Annual Report). The analytical results indicated the BTEX constituent concentrations were below the NMOCD regulatory standard during the all four quarters of the reporting period. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-4 is sampled on a semi-annual schedule and the analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standards for each BTEX constituent during the 2nd and 4th quarter sampling events. The analytical results indicate BTEX concentrations have been below NMOCD regulatory standards for the last thirty –six consecutive sampling events. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-5 is sampled on quarterly schedule and the analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standards for each BTEX constituent during all four quarters of the reporting period. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-6 was scheduled to be sampled on an annual basis, but was sampled during all four quarters of the current reporting period. The analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standards for each BTEX constituent during all four quarters of the reporting period. The analytical results indicate BTEX concentrations have been below NMOCD regulatory standards for the last thirty-seven consecutive sampling events. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-7 is sampled on an annual schedule. Analytical results indicate benzene, toluene, ethyl-benzene and xylenes concentrations were below the NMOCD regulatory standards for each BTEX constituent during the 4th quarter sampling event. The analytical results indicate BTEX concentrations have been below NMOCD regulatory standards for the last twenty-six consecutive sampling events. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-8 is sampled on quarterly schedule and the analytical results indicate benzene concentrations ranged from 0.0389 mg/L during the 4th quarter to 0.0637 mg/L during

the 3rd quarter of 2011. Benzene concentrations were above NMOCD regulatory standard during all four quarters of the reporting period. Toluene concentrations were below the MDL and NMOCD regulatory standard during all four quarters of the reporting period. Ethyl-benzene concentrations ranged from 0.104 mg/L during the 2nd quarter to 0.154 mg/L during the 3rd quarter of 2011. Ethyl-benzene concentrations were below NMOCD regulatory standard during all four quarters of the reporting period. Xylene concentrations ranged from 0.1270 mg/L during the 2nd quarter to 0.1960 mg/L during the 3rd quarter of 2011. Xylene concentrations were below NMOCD regulatory standard during all four quarters of the reporting period. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above WQCC Drinking Water Standards for phenanthrene (0.00298 mg/L). Additional PAH constituents detected above MDLs include naphthalene (0.0106 mg/L), 1-methylnaphthalene (0.0214 mg/L) and 2-methylnaphthalene (0.0147 mg/L) and dibenzofuran (0.00238 mg/L), which are below the WQCC Drinking Water Standards.

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 monitoring activities for the 2011 annual monitoring period. Currently, there are eight groundwater monitor wells (MW-1 through MW-8) on-site. The monitor wells are gauged monthly. The most recent Groundwater Gradient Map, Figure 2D, indicates a general gradient of approximately 0.0035 feet/foot to the south-southeast.

No measurable thicknesses of PSH were reported in any of the site monitor wells during the reporting period.

Benzene is the only BTEX constituent exhibiting concentrations above NMOCD regulatory standards. Benzene concentrations exceeding regulatory guidelines were exhibited in monitor well MW-2 in three of the quarterly sampling events and in all four quarterly sampling events for monitor well MW-8. Review of PAH analysis indicates an increasing trend in constituent concentrations in monitor well MW-8 and a fluctuating trend in MW-2 as compared to previous years sample results.

ANTICIPATED ACTIONS

Quarterly monitoring and groundwater sampling will continue in 2012. Plains respectfully requests NMOCD approval to modify the sampling schedule for the following monitor wells:

- Monitor wells MW-3 and MW-6 are scheduled for annual sampling but have been sampled on a quarterly basis since 2008. Plains proposes to modify the schedule and revert back to an annual schedule. Analytical results on the two monitor wells have exhibited BTEX constituent concentrations below NMOCD regulatory standards for a minimum of fourteen consecutive quarters.

- Monitor well MW-5 is currently sampled on a quarterly schedule. Plains proposes to modify the schedule to an annual schedule. This up-gradient monitor well was installed

during the 3rd quarter 1997 and the analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory standards for the last fourteen consecutive quarters.

Based on the results of the PAH analysis over the past several years, Plains recommends that further PAH analysis be conducted on monitor wells MW-2 and MW-8.

A Soil Closure Proposal will be submitted to the NMOCD in the future. The Proposal will report the results of the Soil Investigation Work Plan and propose a strategy to remediate the remaining soil issues at the site.

Quarterly monitoring, PSH recovery (as necessary) and groundwater sampling will continue in 2012. A 2012 annual monitoring report will be submitted to the NMOCD by April 1, 2013.

LIMITATIONS

NOVA has prepared this 2011 Annual Monitoring Report to the best of its ability. No other warranty, expressed or implied, is made or intended.

NOVA has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. NOVA 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. NOVA has prepared this report, in a professional manner, using the degree of skill and care exercised by similar environmental consultants. NOVA 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 NOVA and/or Plains.

DISTRIBUTION

Copy 1 Ed Hansen
New Mexico Energy, Minerals and Natural Resources Department
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New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 1
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jhenry@paalp.com

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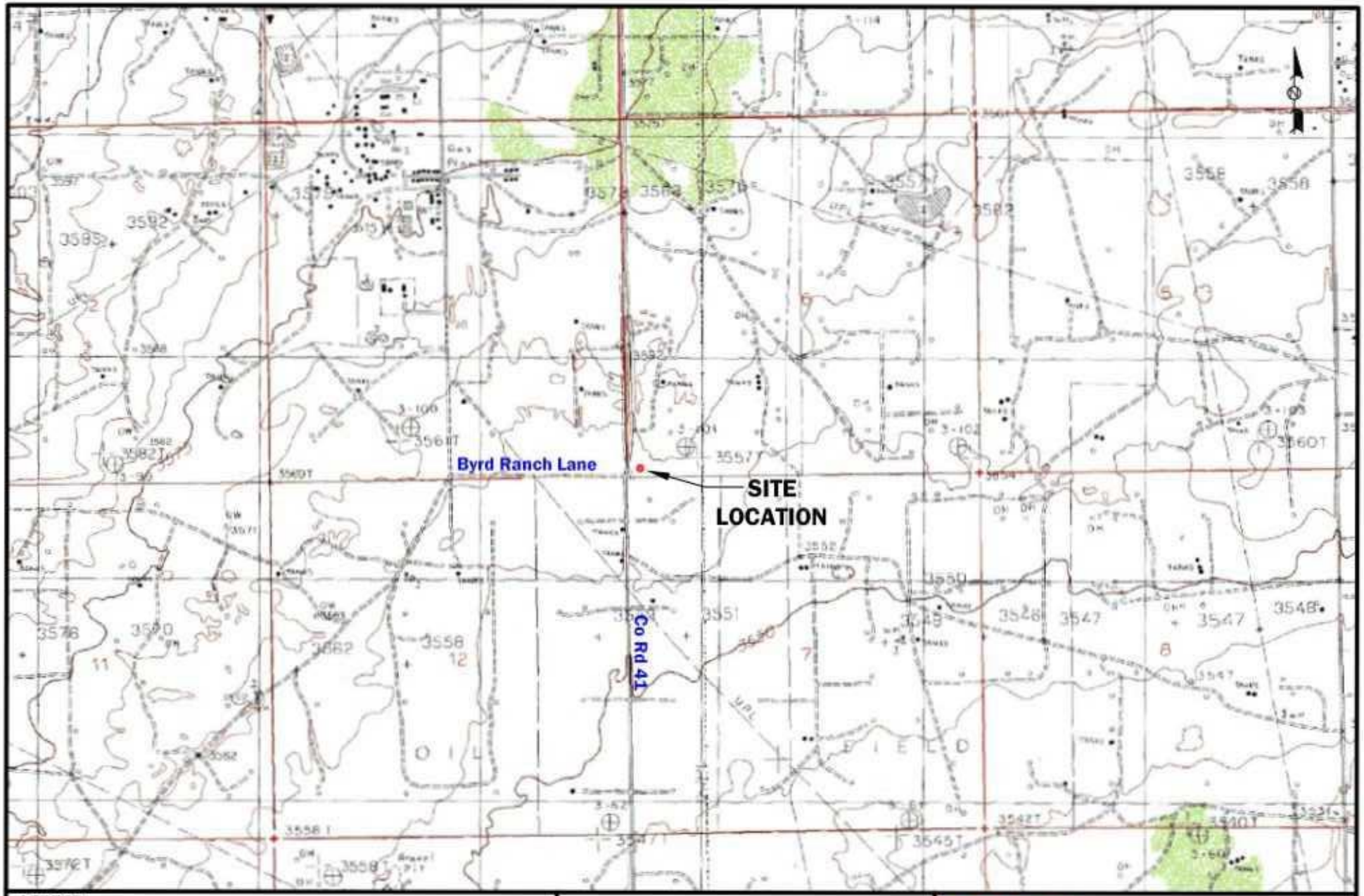
Midland, TX 79703
rrounsaville@novatraining.cc

Figures



LEGEND:

2000 1000 0 1000 2000

Distance in Feet

NMOCD Reference #1R-0103

Figure 1
Site Location Map
Monument 2
Plains Marketing, L.P.
Lea County, NM

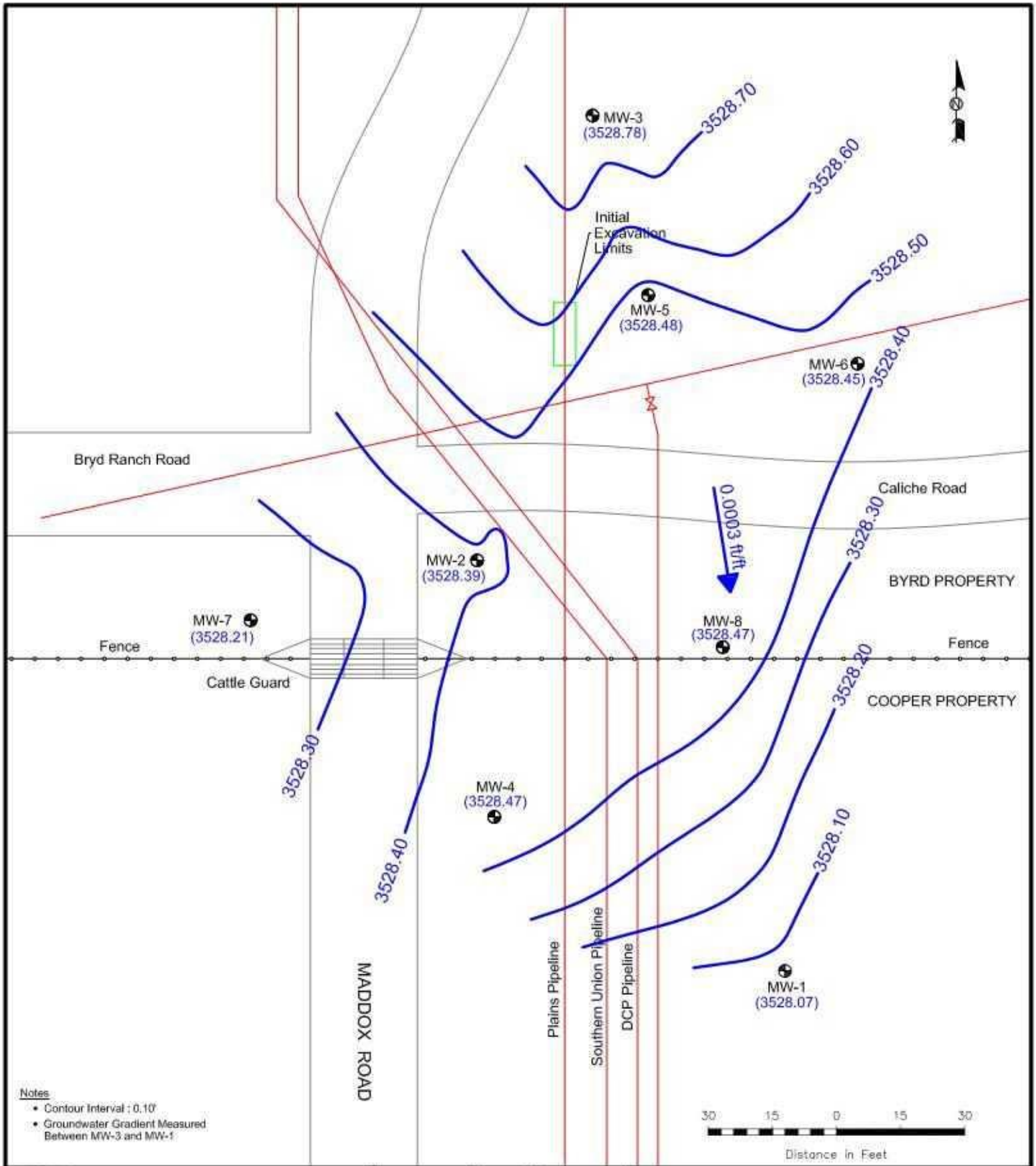
NOVA
safety and environmental

2057 Commerce Drive
Midland, Texas 79703
432.520.7720

www.novasafetyandenvironmental.com

February 28, 2011	Scale: 1" = 2000'	CAD By: TA	Checked By: RKR

LATITUDE & LONGITUDE COORDINATES: N 32° 35' 42.4" W 103° 17' 56.5"



Notes

- Contour Interval : 0.10'
- Groundwater Gradient Measured Between MW-3 and MW-1

LEGEND:

- Monitor Well Location
- Fence
- Pipeline
- (3529.00) Groundwater Elevation (feet)
- Groundwater Elevation Contour Line
- Groundwater Gradient and Magnitude

Figure 2A
Inferred Groundwater Gradient Map
(2/8/11)
NMOCD Reference # 1R-0110
Plains Marketing, L.P.
Monument 2
Lea County, NM

NOVA safety and environmental
2057 Commerce Drive
Midland, Texas 79703
432.520.7720
www.novasafetyandenvironmental.com

February 28, 2010	Scale: 1" = 30'	CAD By: TA	Checked By: RKR
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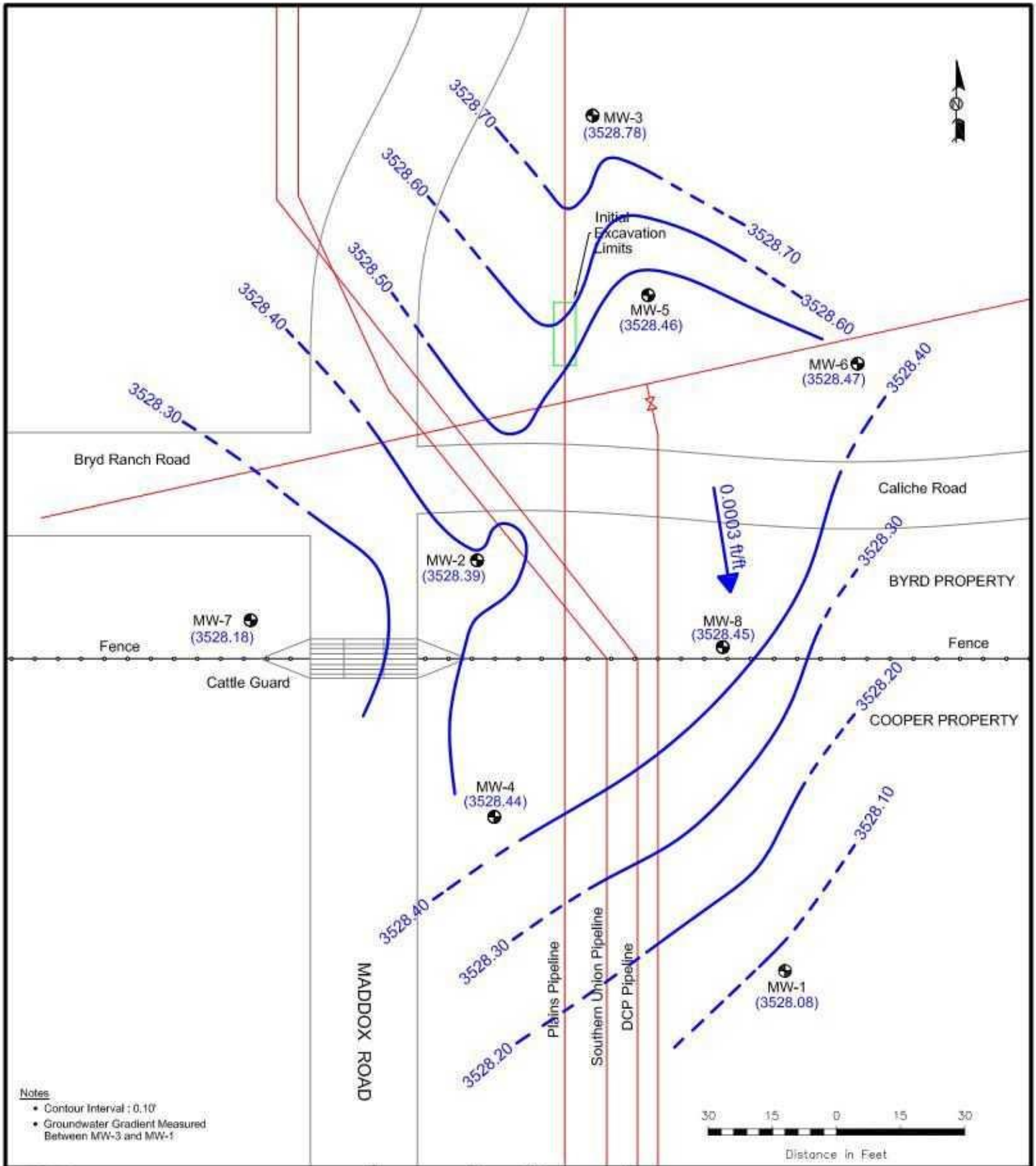

Notes
- Contour Interval : 0.10'
- Groundwater Gradient Measured Between MW-3 and MW-1

LEGEND:
- Monitor Well Location
- Fence
- Pipeline
- (3529.08) Groundwater Elevation (feet)
- Groundwater Elevation Contour Line
- Groundwater Gradient and Magnitude

Figure 2B
Inferred Groundwater Gradient Map
(5/16/2011)
NMOCD Reference # 1R-0110
Plains Marketing, L.P.
Monument 2
Lea County, NM

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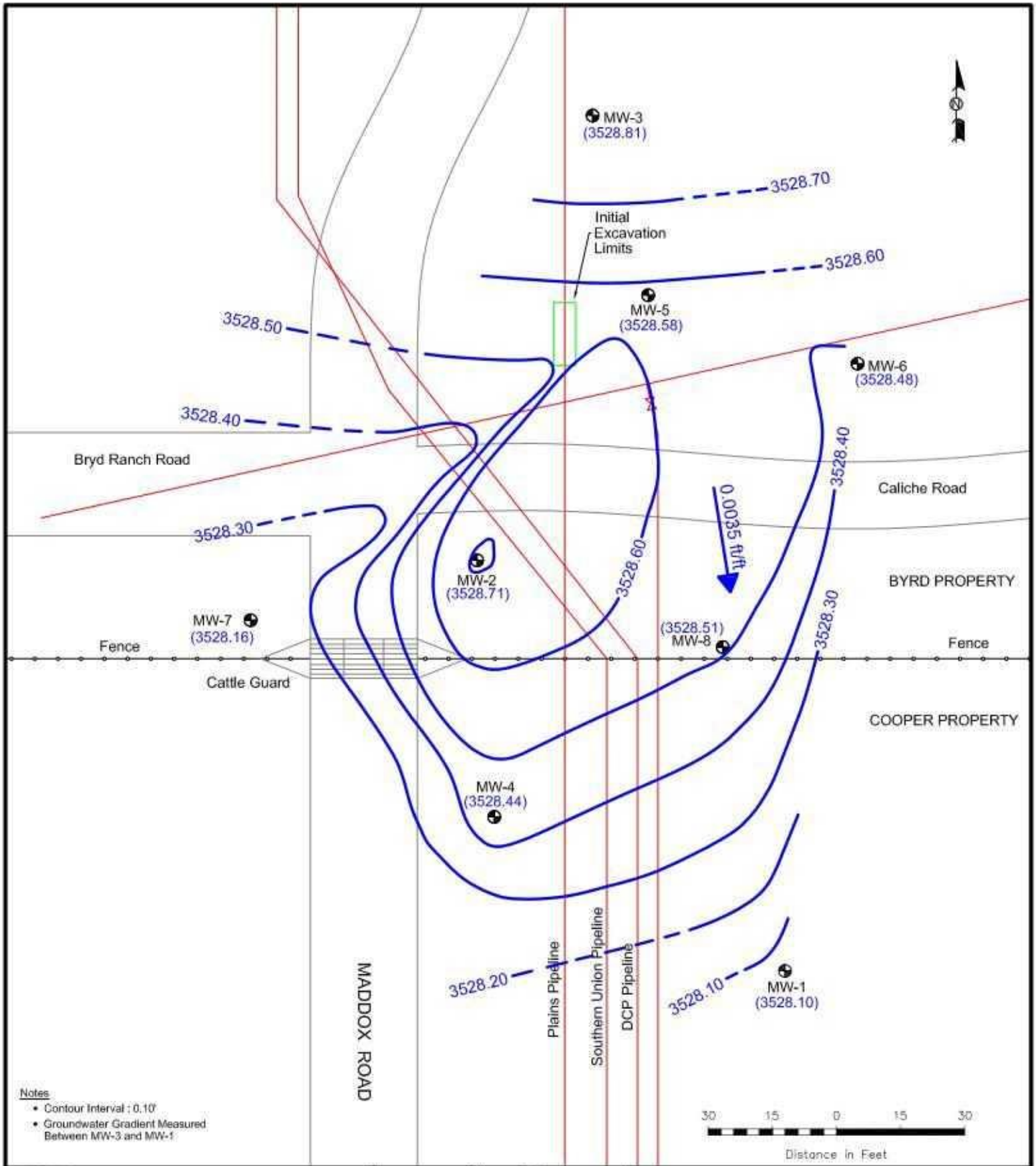
June 7, 2011	Scale: 1" = 30'	CAD By: TA	Checked By: RKR
Lat. N 32° 35' 42.4" Long. W 103° 17' 56.5"		NW1/4 SW1/4 Sec 32 T19S R37E	



LEGEND:

- Monitor Well Location
- Fence
- Pipeline
- (3529.00) Groundwater Elevation (feet)
- Groundwater Elevation Contour Line
- 0.001 ft/ft Groundwater Gradient and Magnitude

Figure 2C
Inferred Groundwater Gradient Map
(8/9/2011)
NMOCD Reference # 1R-0110
Plains Marketing, L.P.
Monument 2
Lea County, NM

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September 9, 2011	Scale: 1" = 30'	CAD By: TA	Checked By: RKR
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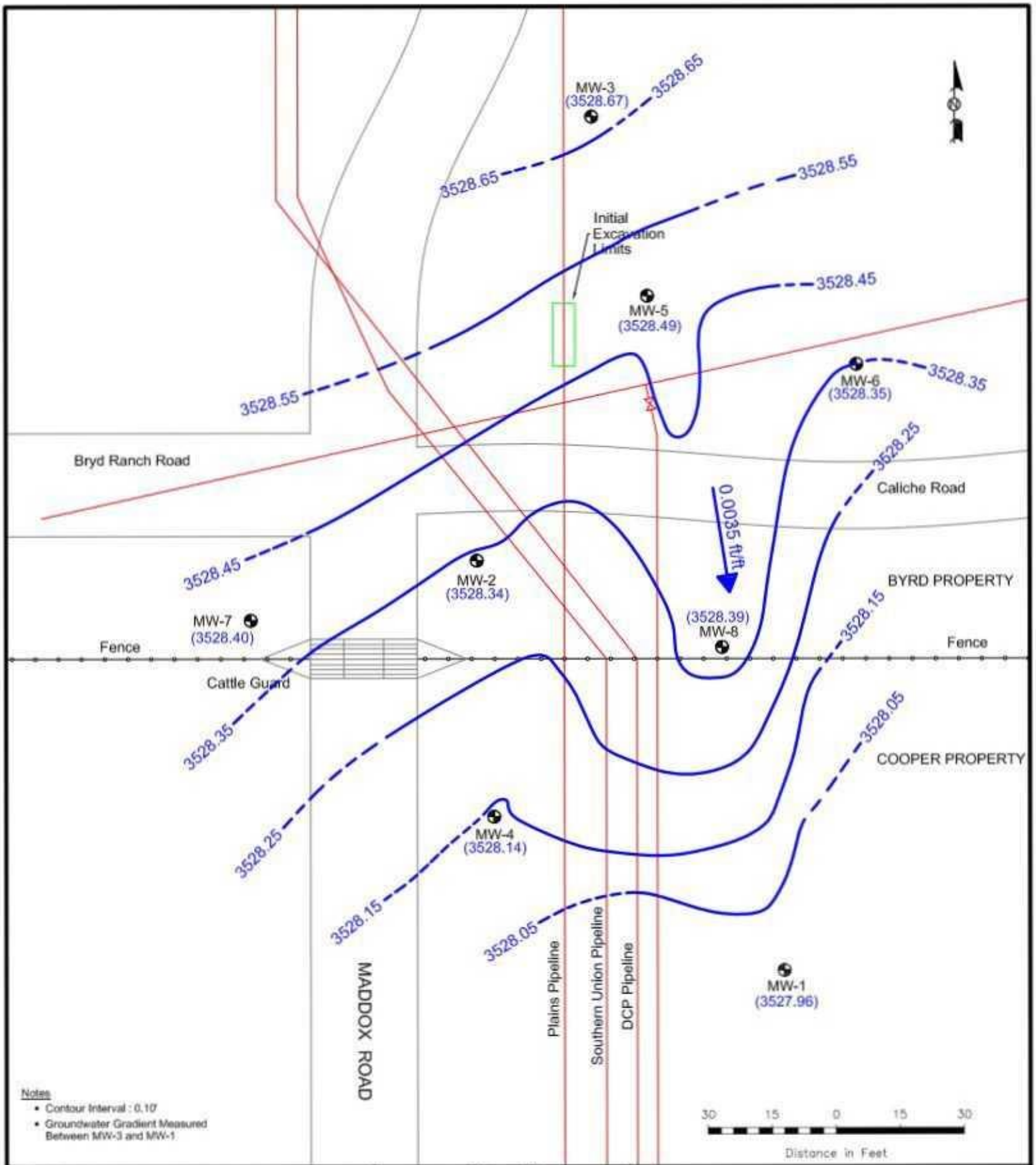

Figure 2D
Inferred Groundwater Gradient Map
(10/31/2011)
NMOCD Reference # 1R-0110
Plains Marketing, L.P.
Monument 2
Lea County, NM

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November 10, 2011	Scale: 1" = 30'	CAD By: TA	Checked By: RKR
Lat. N 32° 35' 42.4" Long. W 103° 17' 56.5"	NW1/4 SW1/4 Sec 32 T19S R37E		

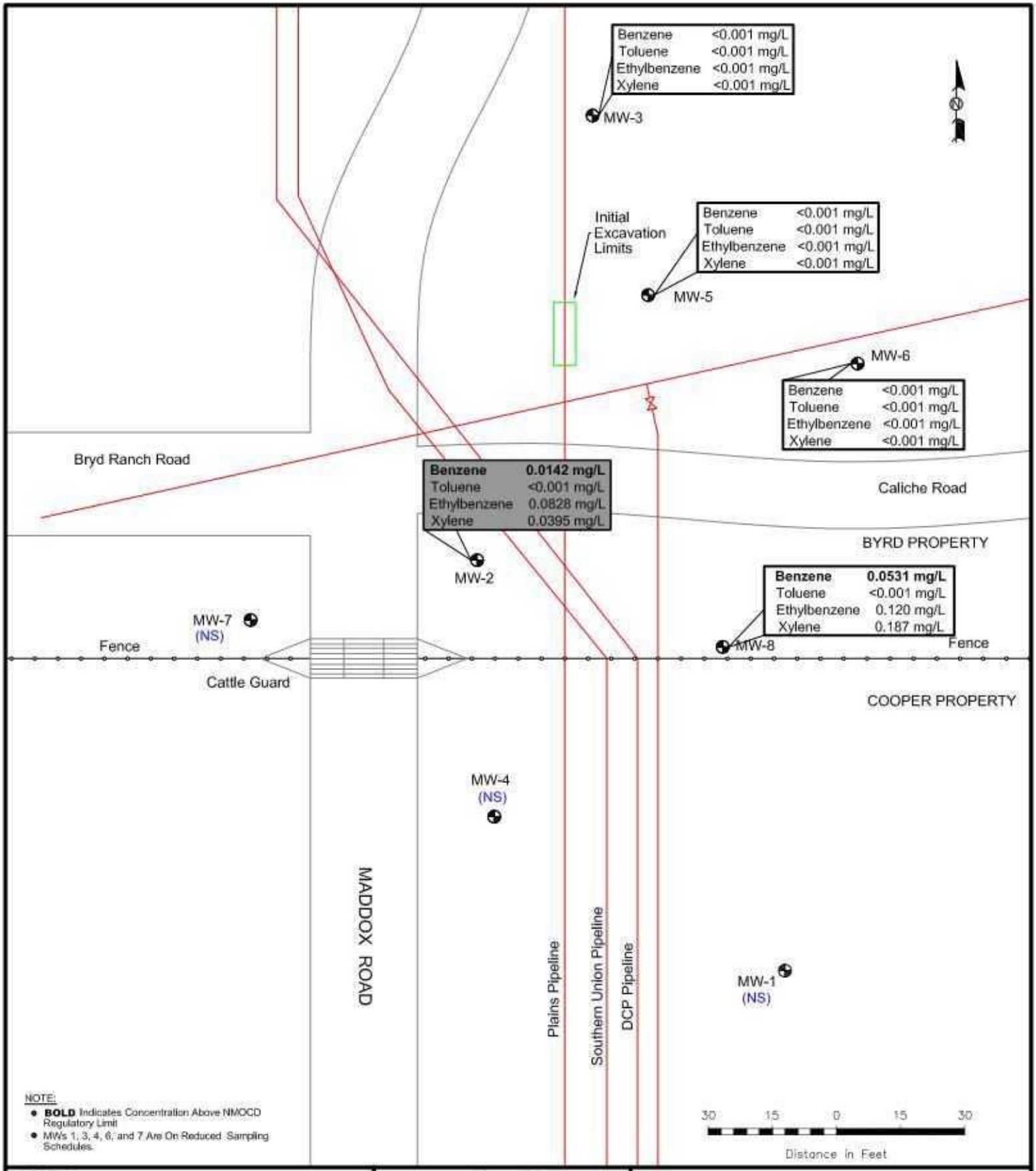

Figure 3A
Groundwater Concentration and Inferred PSH Extent (2/08/2011)
NMOCD Reference # 1R-0110
Plains Marketing, L.P.
Monument 2
Lea County, NM

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April 1, 2011	Scale: 1" = 30'	CAD By: TA	Checked By: RKR
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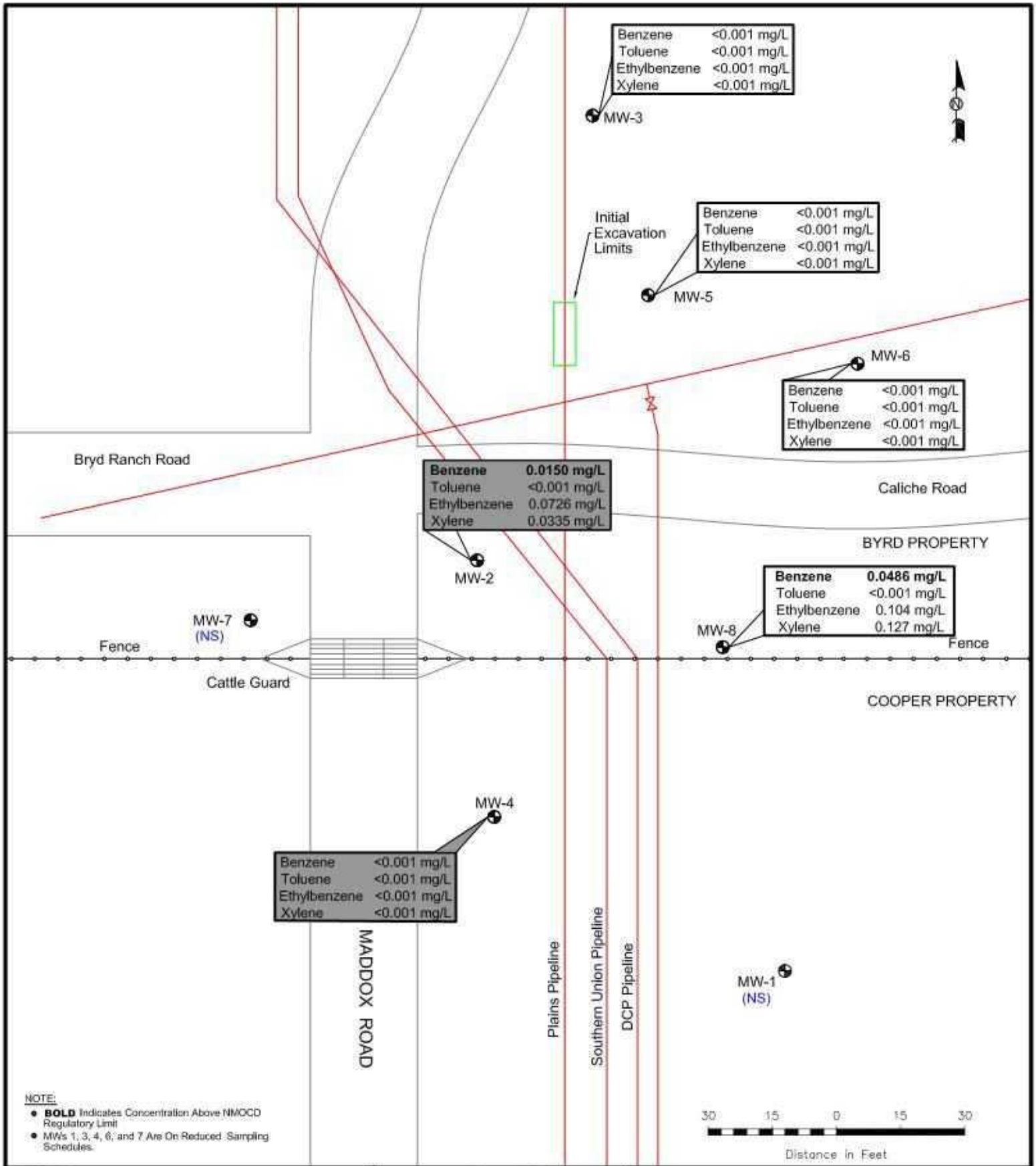

Figure 3B
Groundwater Concentration and Inferred PSH Extent (5/16/2011)
NMOCD Reference # 1R-0110
Plains Marketing, L.P.
Monument 2
Lea County, NM

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June 7, 2011	Scale: 1" = 30'	CAD By: TA	Checked By: RKR
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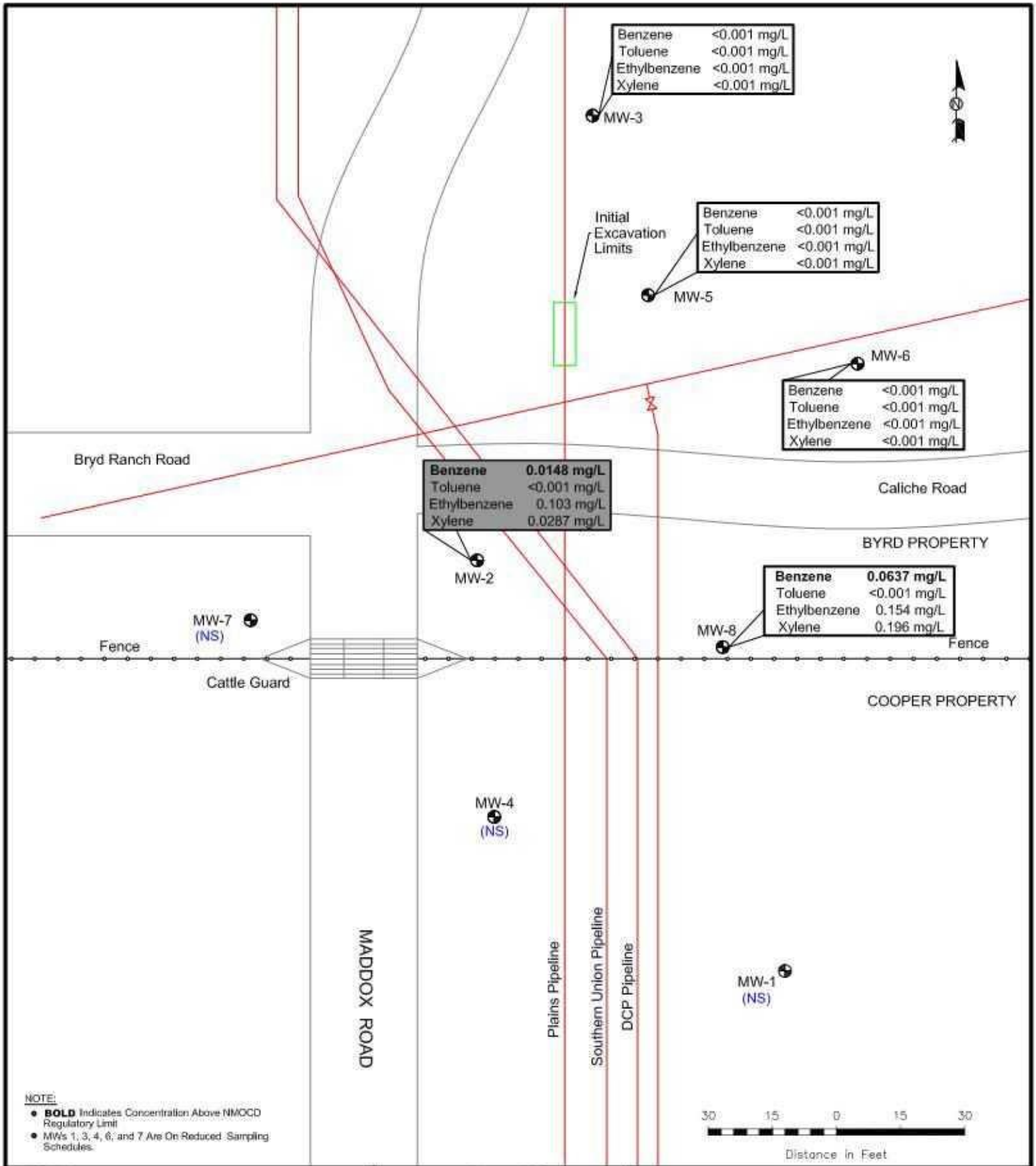

NOTE:
- **BOLD** Indicates Concentration Above NMOCD Regulatory Limit
- MWs 1, 3, 4, 6, and 7 Are On Reduced Sampling Schedules.

LEGEND:

- Monitor Well Location (NS) Not Sampled
- Pipeline
- Fence
- <0.001 Constituent Concentration (mg/L)

Figure 3C
Groundwater Concentration and Inferred PSH Extent (8/9/2011)
NMOCD Reference # 1R-0110
Plains Marketing, L.P.
Monument 2
Lea County, NM

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September 9, 2011	Scale: 1" = 30'	CAD By: TA	Checked By: RKR
Lat. N 32° 35' 42.4" Long. W 103° 17' 56.5"	NW1/4 SW1/4 Sec 32 T19S R37E		

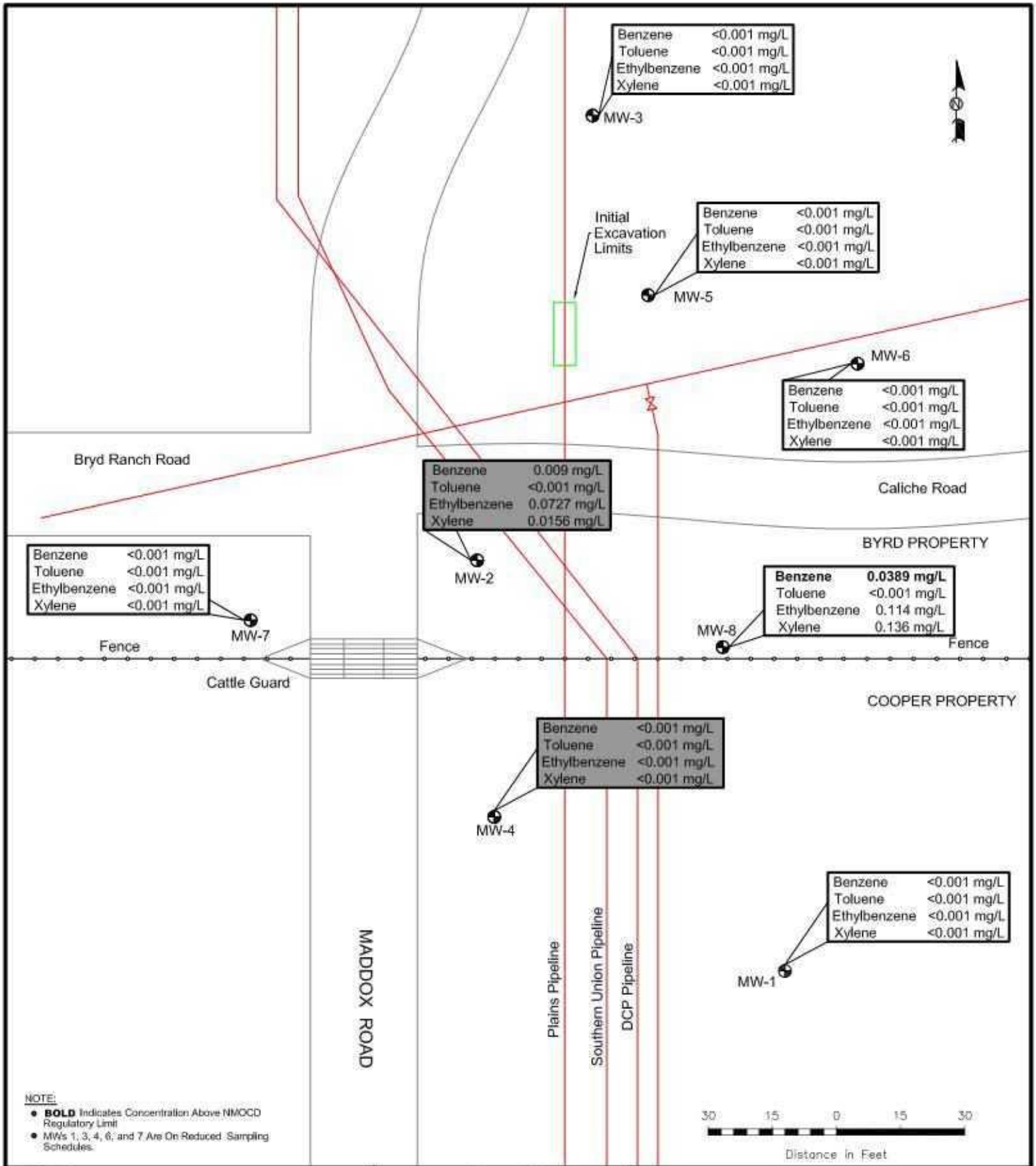

Figure 3D
Groundwater Concentration and Inferred PSH Extent (10/31/2011)
NMOCD Reference # 1R-0110
Plains Marketing, L.P.
Monument 2
Lea County, NM

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November 10, 2011	Scale: 1" = 30'	CAD By: TA	Checked By: RKR
Lat. N 32° 35' 42.4" Long. W 103° 17' 56.5"	NW1/4 SW1/4 Sec 32 T19S R37E		

Tables

TABLE 1

GROUNDWATER ELEVATION DATA - 2011

PLAINS MARKETING, L.P.
MONUMENT 2
LEA COUNTY, NEW MEXICO
NMOCD Reference No. 1R-0110

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	*02/08/11*	3,560.60	-	32.53	0.00	3528.07
MW - 1	*05/16/11*	3,560.60	-	32.52	0.00	3528.08
MW - 1	*08/09/11*	3,560.60	-	32.50	0.00	3528.10
MW - 1	*10/31/11*	3,560.60	-	32.64	0.00	3527.96
MW - 2	*02/08/11*	3,561.14	-	32.75	0.00	3528.39
MW - 2	*05/16/11*	3,561.14	-	32.75	0.00	3528.39
MW - 2	05/19/11	3,561.14	-	32.30	0.00	3528.84
MW - 2	05/27/11	3,561.14	-	32.41	0.00	3528.73
MW - 2	06/10/11	3,561.14	-	32.37	0.00	3528.77
MW - 2	06/24/11	3,561.14	-	32.41	0.00	3528.73
MW - 2	07/01/11	3,561.14	-	32.45	0.00	3528.69
MW - 2	07/22/11	3,561.14	-	32.43	0.00	3528.71
MW - 2	*08/09/11*	3,561.14	-	32.43	0.00	3528.71
MW - 2	08/15/11	3,561.14	-	32.84	0.00	3528.30
MW - 2	08/22/11	3,561.14	-	32.63	0.00	3528.51
MW - 2	09/12/11	3,561.14	-	32.72	0.00	3528.42
MW - 2	10/26/11	3,561.14	-	32.79	0.00	3528.35
MW - 2	*10/31/11*	3,561.14	-	32.80	0.00	3528.34
MW - 3	*02/08/11*	3,560.39	-	31.61	0.00	3528.78
MW - 3	*05/16/11*	3,560.39	-	31.61	0.00	3528.78
MW - 3	*08/09/11*	3,560.39	-	31.58	0.00	3528.81
MW - 3	*10/31/11*	3,560.39	-	31.72	0.00	3528.67
MW - 4	*02/08/11*	3,561.08	-	32.61	0.00	3528.47
MW - 4	*05/16/11*	3,561.08	-	32.64	0.00	3528.44
MW - 4	*08/09/11*	3,561.08	-	32.64	0.00	3528.44
MW - 4	*10/31/11*	3,561.08	-	32.94	0.00	3528.14
MW - 5	*02/08/11*	3,560.20	-	31.72	0.00	3528.48
MW - 5	*05/16/11*	3,560.20	-	31.74	0.00	3528.46
MW - 5	*08/09/11*	3,560.20	-	31.62	0.00	3528.58
MW - 5	*10/31/11*	3,560.20	-	31.71	0.00	3528.49
MW - 6	*02/08/11*	3,560.32	-	31.87	0.00	3528.45
MW - 6	*05/16/11*	3,560.32	-	31.85	0.00	3528.47
MW - 6	*08/09/11*	3,560.32	-	31.84	0.00	3528.48
MW - 6	*10/31/11*	3,560.32	-	31.97	0.00	3528.35
MW - 7	*02/08/11*	3,561.07	-	32.86	0.00	3528.21
MW - 7	*05/16/11*	3,561.07	-	32.89	0.00	3528.18
MW - 7	*08/09/11*	3,561.07	-	32.91	0.00	3528.16
MW - 7	*10/31/11*	3,561.07	-	32.67	0.00	3528.40

TABLE 1

GROUNDWATER ELEVATION DATA - 2011

PLAINS MARKETING, L.P.
MONUMENT 2
LEA COUNTY, NEW MEXICO
NMOCD Reference No. 1R-0110

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 8	*02/08/11*	3561.07	-	32.60	0.00	3528.47
MW - 8	*05/16/11*	3561.07	-	32.62	0.00	3528.45
MW - 8	05/19/11	3561.07	-	32.18	0.00	3528.89
MW - 8	05/27/11	3561.07	-	32.26	0.00	3528.81
MW - 8	06/10/11	3561.07	-	32.26	0.00	3528.81
MW - 8	06/24/11	3561.07	-	32.38	0.00	3528.69
MW - 8	07/01/11	3561.07	-	32.54	0.00	3528.53
MW - 8	07/22/11	3561.07	-	32.56	0.00	3528.51
MW - 8	*08/09/11*	3561.07	-	32.56	0.00	3528.51
MW - 8	08/15/11	3561.07	-	32.71	0.00	3528.36
MW - 8	08/22/11	3561.07	-	32.58	0.00	3528.49
MW - 8	09/12/11	3561.07	-	32.72	0.00	3528.35
MW - 8	10/26/11	3561.07	-	32.65	0.00	3528.42
MW - 8	*10/31/11*	3561.07	-	32.68	0.00	3528.39

** Complete Historical Tables are provided on the attached CD.*

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER - 2011

PLAINS MARKETING, L.P.
MONUMENT 2
LEA COUNTY, NEW MEXICO
NMOCD Reference No. 1R-0110

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY LIMIT		0.01	0.750	0.750	0.620	
MW - 1	02/08/11	Not Sampled on Current Sample Schedule				
MW - 1	05/06/11	Not Sampled on Current Sample Schedule				
MW - 1	08/09/11	Not Sampled on Current Sample Schedule				
MW - 1	10/31/11	<0.001	<0.001	<0.001	<0.001	
MW - 2	02/08/11	**0.0142**	<0.001	0.0828	0.0395	
MW - 2	05/06/11	**0.0150**	<0.001	0.0726	0.0335	
MW - 2	08/09/11	**0.0148**	<0.001	0.1030	0.0287	
MW - 2	10/31/11	0.0090	<0.001	0.0727	0.0156	
MW - 3	02/08/11	<0.001	<0.001	<0.001	<0.001	
MW - 3	05/16/11	<0.001	<0.001	<0.001	<0.001	
MW - 3	08/09/11	<0.001	<0.001	<0.001	<0.001	
MW - 3	10/31/11	<0.001	<0.001	<0.001	<0.001	
MW - 4	02/08/11	Not Sampled on Current Sample Schedule				
MW - 4	05/16/11	<0.001	<0.001	<0.001	<0.001	
MW - 4	08/09/11	Not Sampled on Current Sample Schedule				
MW - 4	10/31/11	<0.001	<0.001	<0.001	<0.001	
MW - 5	02/08/11	<0.001	<0.001	<0.001	<0.001	
MW - 5	05/16/11	<0.001	<0.001	<0.001	<0.001	
MW - 5	08/09/11	<0.001	<0.001	<0.001	<0.001	
MW - 5	10/31/11	<0.001	<0.001	<0.001	<0.001	
MW - 6	02/08/11	<0.001	<0.001	<0.001	<0.001	
MW - 6	05/16/11	<0.001	<0.001	<0.001	<0.001	
MW - 6	08/09/11	<0.001	<0.001	<0.001	<0.001	
MW - 6	10/31/11	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/08/11	Not Sampled on Current Sample Schedule				
MW - 7	05/16/11	Not Sampled on Current Sample Schedule				
MW - 7	08/09/11	Not Sampled on Current Sample Schedule				
MW - 7	10/31/11	<0.001	<0.001	<0.001	<0.001	
MW - 8	02/08/11	**0.0531**	<0.001	0.120	0.1870	
MW - 8	05/16/11	**0.0486**	<0.001	0.104	0.1270	
MW - 8	08/09/11	**0.0637**	<0.001	0.154	0.1960	
MW - 8	10/31/11	**0.0389**	<0.001	0.114	0.1360	

** Complete Historical Tables are provided on the attached CD.*

TABLE 3

POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
MONUMENT 2
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0110

All water concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		—	—	0.001 mg/L	0.0001 mg/L	0.0007 mg/L	0.001 mg/L	—	0.001 mg/L	0.0002 mg/L	0.0003 mg/L	0.001 mg/L	0.001 mg/L	0.0004 mg/L	0.001 mg/L	0.001 mg/L	0.03 mg/L			—
MW-1	11/04/08	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185
	11/02/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.000393
	11/03/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/15/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-2	11/04/08	<0.000185	<0.000185	**0.0033**	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	**0.018**	<0.000185	**0.0236**	<0.000185	**0.019**	**0.0854**	**0.0387**	0.0143
	11/02/09	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	**0.0171**	<0.000926	**0.0112**	**0.0722**	**0.0324**	0.0102
	11/03/10	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	**0.00338**	<0.000184	**0.00715**	<0.000184	**0.00605**	**0.0317**	**0.0105**	0.00399
	12/15/11	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	**0.0146**	<0.000184	**0.00717**	**0.473**	**0.00835**	0.0085
MW-3	11/04/08	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185
	11/02/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.000698	<0.000184	<0.000184
	11/03/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/15/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-4	11/04/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.000698	<0.000184	<0.000184
	11/02/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
	11/03/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/15/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	11/04/08	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	0.000968	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917
	11/02/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.000857	<0.000184	<0.000184	0.000698	<0.000184	<0.000184
	11/03/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/15/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-6	11/04/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
	11/02/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.000698	<0.000184	<0.000184
	11/03/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/15/11	Not Sampled as part of Quarterly Monitoring Event.																		

TABLE 3

POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
MONUMENT 2
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0110

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		—	—	0.001 mg/L	0.0001 mg/L	0.0007 mg/L	0.001 mg/L	—	0.001 mg/L	0.0002 mg/L	0.0003 mg/L	0.001 mg/L	0.001 mg/L	0.0004 mg/L	0.001 mg/L	0.001 mg/L	0.03 mg/L			—
MW-7	11/04/08	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
	11/02/09	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185
	11/03/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/15/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-8	11/04/08	<0.000184	<0.000184	<0.000184	**0.00027**	<0.000184	<0.000184	<0.000184	<0.000184	**0.000421**	<0.000184	<0.000184	**0.00235**	<0.000184	**0.00287**	<0.000184	0.00578	0.0148	0.00568	0.00266
	11/02/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	**0.00204**	<0.000184	0.00431	0.0113	0.00356	0.00184
	11/03/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/15/11	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	**0.00298**	<0.000184	**0.0106**	**0.0214**	**0.0147**	0.00238

Laboratory Analytical Reports

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

x Initial Report ☐ Final Report

Name of Company	Plains Pipeline, LP	Contact:	Camille Reynolds
Address:	3705 E. Hwy 158, Midland, TX 79706	Telephone No.	505-441-0965
Facility Name	Monument # 2	Facility Type:	Pipeline

Surface Owner:	Mineral Owner	Lease No.
BLM, Jim T Cooper		

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	6	20S	37E					Lea

Latitude 32 degrees, 35' 42.4" **Longitude** 32 degrees, 17' 56.5"

NATURE OF RELEASE

Type of Release:	Volume of Release:	Volume Recovered
Source of Release:	Date and Hour of Occurrence Unknown	Date and Hour of Discovery
Was Immediate Notice Given? Yes ☐ No ☐ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
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.*

Describe Area Affected and Cleanup Action Taken.*
NOTE: Texas-New Mexico Pipeline was the owner/operator of the pipeline system at the time of the release, initial response information is unavailable.

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: Camille Reynolds	Approved by District Supervisor:	
Title: Remediation Coordinator	Approval Date:	Expiration Date:
E-mail Address: cjreynolds@paalp.com	Conditions of Approval:	Attached ☐
Date: 3/21/2005 Phone: (505)441-0965		

* Attach Additional Sheets If Necessary

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
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
8015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Certifications

WBENC: 237019 **HUB:** 1752439743100-86536 **DBE:** VN 20657
NCTRCA WFWB38444Y0909

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

Ron Rounsaville
Nova Safety & Environmental
2057 Commerce St.
Midland, TX, 79703

Report Date: February 10, 2011

Work Order: 11020907

Project Location: Monument
Project Name: Monument #2
Project Number: TNM Monument #2

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
256899	MW-6	water	2011-02-08	14:00	2011-02-09
256900	MW-3	water	2011-02-08	14:45	2011-02-09
256901	MW-5	water	2011-02-08	15:30	2011-02-09
256902	MW-2	water	2011-02-08	16:15	2011-02-09
256903	MW-8	water	2011-02-08	17:00	2011-02-09

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.

Michael Abel

Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Standard Flags

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

Samples for project Monument #2 were received by TraceAnalysis, Inc. on 2011-02-09 and assigned to work order 11020907. Samples for work order 11020907 were received intact without headspace and at a temperature of 5.2 C.

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

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
BTEX	S 8021B	66485	2011-02-09 at 10:50	77507	2011-02-09 at 10:50

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 11020907 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: 256899 - MW-6

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	77507	Date Analyzed:	2011-02-09	Analyzed By:	ME
Prep Batch:	66485	Sample Preparation:	2011-02-09	Prepared By:	ME

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)		0.107	mg/L	1	0.100	107	75.4 - 119.4
4-Bromofluorobenzene (4-BFB)	[1]	0.0728	mg/L	1	0.100	73	78.6 - 122.8

Sample: 256900 - MW-3

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	77507	Date Analyzed:	2011-02-09	Analyzed By:	ME
Prep Batch:	66485	Sample Preparation:	2011-02-09	Prepared By:	ME

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)		0.103	mg/L	1	0.100	103	75.4 - 119.4
4-Bromofluorobenzene (4-BFB)	[2]	0.0674	mg/L	1	0.100	67	78.6 - 122.8

Sample: 256901 - MW-5

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	77507	Date Analyzed:	2011-02-09	Analyzed By:	ME
Prep Batch:	66485	Sample Preparation:	2011-02-09	Prepared By:	ME

[1] Surrogate out due to peak interference.
[2] Surrogate out due to peak interference.

Parameter	Flag	Result	RL	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)		0.102	mg/L	1	0.100	102	75.4 - 119.4
4-Bromofluorobenzene (4-BFB)	[3]	0.0660	mg/L	1	0.100	66	78.6 - 122.8

Sample: 256902 - MW-2

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	77507	Date Analyzed:	2011-02-09	Analyzed By:	ME
Prep Batch:	66485	Sample Preparation:	2011-02-09	Prepared By:	ME

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		**0.0142**		mg/L	1	0.00100
Toluene		<0.00100		mg/L	1	0.00100
Ethylbenzene		**0.0828**		mg/L	1	0.00100
Xylene		**0.0395**		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	75.4 - 119.4
4-Bromofluorobenzene (4-BFB)		0.0967	mg/L	1	0.100	97	78.6 - 122.8

Sample: 256903 - MW-8

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	77507	Date Analyzed:	2011-02-09	Analyzed By:	ME
Prep Batch:	66485	Sample Preparation:	2011-02-09	Prepared By:	ME

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		**0.0531**		mg/L	1	0.00100
Toluene		<0.00100		mg/L	1	0.00100
Ethylbenzene		**0.120**		mg/L	1	0.00100
Xylene		**0.187**		mg/L	1	0.00100

[3]Surrogate out due to peak interference.

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.101	mg/L	1	0.100	101	75.4 - 119.4
4-Bromofluorobenzene (4-BFB)	[4]	0.124	mg/L	1	0.100	124	78.6 - 122.8

Method Blank (1) QC Batch: 77507

QC Batch: 77507 | Date Analyzed: 2011-02-09 | Analyzed By: ME
Prep Batch: 66485 | QC Preparation: 2011-02-09 | Prepared By: ME

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000400	mg/L	0.001
Toluene		<0.000300	mg/L	0.001
Ethylbenzene		<0.000300	mg/L	0.001
Xylene		<0.000333	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0978	mg/L	1	0.100	98	70.8 - 117.4
4-Bromofluorobenzene (4-BFB)		0.0921	mg/L	1	0.100	92	79 - 113.4

Laboratory Control Spike (LCS-1)

QC Batch: 77507 | Date Analyzed: 2011-02-09 | Analyzed By: ME
Prep Batch: 66485 | QC Preparation: 2011-02-09 | Prepared By: ME

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.104	mg/L	1	0.100	<0.000400	104	76.8 - 110.3
Toluene	0.104	mg/L	1	0.100	<0.000300	104	81 - 108.2
Ethylbenzene	0.103	mg/L	1	0.100	<0.000300	103	78.8 - 111
Xylene	0.309	mg/L	1	0.300	<0.000333	103	80.3 - 111.4

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	0.103	mg/L	1	0.100	<0.000400	103	76.8 - 110.3	1	20
Toluene	0.104	mg/L	1	0.100	<0.000300	104	81 - 108.2	0	20
Ethylbenzene	0.104	mg/L	1	0.100	<0.000300	104	78.8 - 111	1	20
Xylene	0.310	mg/L	1	0.300	<0.000333	103	80.3 - 111.4	0	20

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

[4]High surrogate recovery due to peak interference.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.108	0.101	mg/L	1	0.100	108	101	66.6 - 114.5
4-Bromofluorobenzene (4-BFB)	0.104	0.0964	mg/L	1	0.100	104	96	77.1 - 114.4

Standard (CCV-1)

QC Batch: 77507 Date Analyzed: 2011-02-09 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.111	111	80 - 120	2011-02-09
Toluene		mg/L	0.100	0.118	118	80 - 120	2011-02-09
Ethylbenzene		mg/L	0.100	0.103	103	80 - 120	2011-02-09
Xylene		mg/L	0.300	0.322	107	80 - 120	2011-02-09

Standard (CCV-2)

QC Batch: 77507 Date Analyzed: 2011-02-09 Analyzed By: ME

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	80 - 120	2011-02-09
Toluene		mg/L	0.100	0.0942	94	80 - 120	2011-02-09
Ethylbenzene		mg/L	0.100	0.0934	93	80 - 120	2011-02-09
Xylene		mg/L	0.300	0.270	90	80 - 120	2011-02-09

LAB Order ID # 1102090 7

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Fax #: 432-520-7701
Contact Person: Ron R.
E-mail:
Invoice to: (If different from above)
Project #: TWM- Monument #2
Project Name: Monument #2
Project Location (including state): New Mexico
Sampler Signature: R. A. Z

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 8021 / 602 / 8260 / 624	BTEX 8021 / 602 / 8260 / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270 / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260 / 624	GC/MS Semi. Vol. 8270 / 625	PCB's 8082 / 608	Pesticides 8081 / 608	BOD, TSS, pH	Moisture Content	Cl, Fl, S04, NO3, NO2, Alkalinity	Na, Ca, Mg, K, TDS, EC					Turn Around Time if different from standard	Hold
256899	MW-6	3	40ml	X				X				X		2-8	14:00		X																						
900	MW-3														14:45																									
901	MW-5														15:30																									
902	MW-2														16:15																									
903	MW-8														17:00																									

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
R. A. Z	LOVO	2-9-11	8:00	Melissa Ellis	Trace	2-9-11	8:00	INST ___ OBS 5.2 °C COR ___ °C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST ___ OBS ___ °C COR ___ °C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST ___ OBS ___ °C COR ___ °C

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

REMARKS:
All tests - Midland

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

Carrier # Carrizo

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

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Certifications

WBENC: 237019 **HUB:** 1752439743100-86536 **DBE:** VN 20657
NCTRCA WFWB38444Y0909

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

Ron Rounsaville
Nova Safety & Environmental
2057 Commerce St.
Midland, TX, 79703

Report Date: May 19, 2011

Work Order: 11051703

Project Location: Monument-Lea Co., NM
Project Name: TNM Monument #2
Project Number: Monument #2

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
266661	MW-4	water	2011-05-16	15:00	2011-05-17
266662	MW-6	water	2011-05-16	15:30	2011-05-17
266663	MW-3	water	2011-05-16	16:00	2011-05-17
266664	MW-5	water	2011-05-16	16:30	2011-05-17
266665	MW-2	water	2011-05-16	17:00	2011-05-17
266666	MW-8	water	2011-05-16	17:30	2011-05-17

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 8 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Standard Flags

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

Case Narrative

Samples for project TNM Monument #2 were received by TraceAnalysis, Inc. on 2011-05-17 and assigned to work order 11051703. Samples for work order 11051703 were received intact without headspace and at a temperature of 2.3 C.

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

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
BTEX	S 8021B	69070	2011-05-18 at 13:00	81380	2011-05-18 at 14:48

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 11051703 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: 266661 - MW-4

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	81380	Date Analyzed:	2011-05-18	Analyzed By:	ME
Prep Batch:	69070	Sample Preparation:	2011-05-18	Prepared By:	ME

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)		0.0823	mg/L	1	0.100	82	67.8 - 129
4-Bromofluorobenzene (4-BFB)		0.0970	mg/L	1	0.100	97	51.1 - 128

Sample: 266662 - MW-6

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	81380	Date Analyzed:	2011-05-18	Analyzed By:	ME
Prep Batch:	69070	Sample Preparation:	2011-05-18	Prepared By:	ME

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)		0.0851	mg/L	1	0.100	85	67.8 - 129
4-Bromofluorobenzene (4-BFB)		0.101	mg/L	1	0.100	101	51.1 - 128

Sample: 266663 - MW-3

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	81380	Date Analyzed:	2011-05-18	Analyzed By:	ME
Prep Batch:	69070	Sample Preparation:	2011-05-18	Prepared By:	ME

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)		0.0833	mg/L	1	0.100	83	67.8 - 129
4-Bromofluorobenzene (4-BFB)		0.0981	mg/L	1	0.100	98	51.1 - 128

Sample: 266664 - MW-5

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	81380	Date Analyzed:	2011-05-18	Analyzed By:	ME
Prep Batch:	69070	Sample Preparation:	2011-05-18	Prepared By:	ME

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)		0.0840	mg/L	1	0.100	84	67.8 - 129
4-Bromofluorobenzene (4-BFB)		0.0984	mg/L	1	0.100	98	51.1 - 128

Sample: 266665 - MW-2

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	81380	Date Analyzed:	2011-05-18	Analyzed By:	ME
Prep Batch:	69070	Sample Preparation:	2011-05-18	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.0150**	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		**0.0726**	mg/L	1	0.00100
Xylene		**0.0335**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0845	mg/L	1	0.100	84	67.8 - 129
4-Bromofluorobenzene (4-BFB)	[1]	0.132	mg/L	1	0.100	132	51.1 - 128

Sample: 266666 - MW-8

Laboratory: Midland
Analysis: BTEX | Analytical Method: S 8021B | Prep Method: S 5030B
QC Batch: 81380 | Date Analyzed: 2011-05-18 | Analyzed By: ME
Prep Batch: 69070 | Sample Preparation: 2011-05-18 | Prepared By: ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.0486**	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		**0.104**	mg/L	1	0.00100
Xylene		**0.127**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0730	mg/L	1	0.100	73	67.8 - 129
4-Bromofluorobenzene (4-BFB)	[2]	0.138	mg/L	1	0.100	138	51.1 - 128

Method Blank (1) QC Batch: 81380

QC Batch: 81380 | Date Analyzed: 2011-05-18 | Analyzed By: ME
Prep Batch: 69070 | QC Preparation: 2011-05-18 | Prepared By: AG

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000400	mg/L	0.001
Toluene		<0.000300	mg/L	0.001
Ethylbenzene		<0.000300	mg/L	0.001
Xylene		<0.000333	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0909	mg/L	1	0.100	91	70.2 - 118
4-Bromofluorobenzene (4-BFB)		0.101	mg/L	1	0.100	101	47.3 - 116

[1]High surrogate recovery due to peak interference.
[2]High surrogate recovery due to peak interference.

Laboratory Control Spike (LCS-1)

QC Batch: 81380 | Date Analyzed: 2011-05-18 | Analyzed By: ME
Prep Batch: 69070 | QC Preparation: 2011-05-18 | Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0974	mg/L	1	0.100	<0.000400	97	76.8 - 110
Toluene	0.109	mg/L	1	0.100	<0.000300	109	81 - 118
Ethylbenzene	0.0955	mg/L	1	0.100	<0.000300	96	78.8 - 118
Xylene	0.284	mg/L	1	0.300	<0.000333	95	80.3 - 119

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	0.103	mg/L	1	0.100	<0.000400	103	76.8 - 110	6	20
Toluene	0.115	mg/L	1	0.100	<0.000300	115	81 - 118	5	20
Ethylbenzene	0.100	mg/L	1	0.100	<0.000300	100	78.8 - 118	5	20
Xylene	0.299	mg/L	1	0.300	<0.000333	100	80.3 - 119	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)	0.0856	0.0878	mg/L	1	0.100	86	88	66.6 - 114
4-Bromofluorobenzene (4-BFB)	0.101	0.100	mg/L	1	0.100	101	100	68.2 - 124

Matrix Spike (MS-1) Spiked Sample: 266403

QC Batch: 81380 | Date Analyzed: 2011-05-18 | Analyzed By: ME
Prep Batch: 69070 | QC Preparation: 2011-05-18 | Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	4.87	mg/L	20	2.00	3.1334	87	77.9 - 114
Toluene	2.16	mg/L	20	2.00	<0.00600	108	78.3 - 111
Ethylbenzene	2.03	mg/L	20	2.00	0.2547	89	75.3 - 110
Xylene	5.59	mg/L	20	6.00	<0.00666	93	75.7 - 109

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	4.88	mg/L	20	2.00	3.1334	87	77.9 - 114	0	20
Toluene	2.12	mg/L	20	2.00	<0.00600	106	78.3 - 111	2	20
Ethylbenzene	1.99	mg/L	20	2.00	0.2547	87	75.3 - 110	2	20
Xylene	5.52	mg/L	20	6.00	<0.00666	92	75.7 - 109	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
Trifluorotoluene (TFT)	1.53	1.49	mg/L	20	2	76	74	68.3 - 107
4-Bromofluorobenzene (4-BFB)	2.09	2.02	mg/L	20	2	104	101	60.1 - 135

Standard (CCV-1)

QC Batch: 81380 Date Analyzed: 2011-05-18 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0951	95	80 - 120	2011-05-18
Toluene		mg/L	0.100	0.109	109	80 - 120	2011-05-18
Ethylbenzene		mg/L	0.100	0.0917	92	80 - 120	2011-05-18
Xylene		mg/L	0.300	0.274	91	80 - 120	2011-05-18

Standard (CCV-2)

QC Batch: 81380 Date Analyzed: 2011-05-18 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0985	98	80 - 120	2011-05-18
Toluene		mg/L	0.100	0.111	111	80 - 120	2011-05-18
Ethylbenzene		mg/L	0.100	0.0953	95	80 - 120	2011-05-18
Xylene		mg/L	0.300	0.284	95	80 - 120	2011-05-18

Standard (CCV-3)

QC Batch: 81380 Date Analyzed: 2011-05-18 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0972	97	80 - 120	2011-05-18
Toluene		mg/L	0.100	0.109	109	80 - 120	2011-05-18
Ethylbenzene		mg/L	0.100	0.0948	95	80 - 120	2011-05-18
Xylene		mg/L	0.300	0.282	94	80 - 120	2011-05-18

LAB Order ID # 1105703

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Fax (432) 689-6313

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

BioAquatic Testing
2501 Mayes Rd., Ste 100
Carrollton, Texas 75006
Tel (972) 242-7750

Company Name: Lovo
Phone #: 432-520-7720
Address: (Street, City, Zip) 2057 Commerce Midland TX 79705
Fax #: 432-520-7701
Contact Person: Ron R.
E-mail:
Invoice to: (If different from above)
Project #: TWM-Monument #2
Project Name: Monument #2
Project Location (including state): New Mexico
Sampler Signature: R. A.

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 8021 / 602 / 8260 / 624	BTEX 8021 / 602 / 8260 / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270 / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260 / 624	GC/MS Semi. Vol. 8270 / 625	PCB's 8082 / 608	Pesticides 8081 / 608	BOD, TSS, pH	Moisture Content	Cl, Fl, SO4, NO3, NO2, Alkalinity	Na, Ca, Mg, K, TDS, EC						Turn Around Time if different from standard	Hold
0[illegible]01	mw-4	3	voa	X				X				X		5-16	15:00		X																									
602	mw-6														15:30																											
603	mw-3														16:00																											
604	mw-5														16:30																											
605	mw-2														17:00																											
606	mw-8														17:30																											

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
	Lovo	5-17	8:25		TA	5/17/11	8:25	INST OBS 2.5 °C COR 2.3 °C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST OBS °C COR °C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST OBS °C COR °C

LAB USE ONLY

Intact Y / N

Headspace Y N NA

Log-In-Review

REMARKS: All tests - Midland

- 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 #

ORIGINAL COPY

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
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
8015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Ron Rounsaville
Nova Safety & Environmental
2057 Commerce St.
Midland, TX, 79703

Report Date: August 17, 2011

Work Order: 11081023

Project Location: Monument
Project Name: Monument #2
Project Number: TNM Monument #2

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
274201	MW-6	water	2011-08-09	13:00	2011-08-10
274202	MW-3	water	2011-08-09	13:45	2011-08-10
274203	MW-5	water	2011-08-09	14:30	2011-08-10
274204	MW-2	water	2011-08-09	15:15	2011-08-10
274205	MW-8	water	2011-08-09	16:00	2011-08-10

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.

Michael Abel

Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Report Contents

Case Narrative

Samples for project Monument #2 were received by TraceAnalysis, Inc. on 2011-08-10 and assigned to work order 11081023. Samples for work order 11081023 were received intact without headspace and at a temperature of 3.6 C.

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

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
BTEX	S 8021B	71215	2011-08-16 at 09:24	83858	2011-08-16 at 09:24

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 11081023 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: 274201 - MW-6

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	83858	Date Analyzed:	2011-08-16	Analyzed By:	ME
Prep Batch:	71215	Sample Preparation:	2011-08-16	Prepared By:	ME

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.104	mg/L	1	0.100	104	79.1 - 127.2
4-Bromofluorobenzene (4-BFB)			0.0983	mg/L	1	0.100	98	67.5 - 140.8

Sample: 274202 - MW-3

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	83858	Date Analyzed:	2011-08-16	Analyzed By:	ME
Prep Batch:	71215	Sample Preparation:	2011-08-16	Prepared By:	ME

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.102	mg/L	1	0.100	102	79.1 - 127.2
4-Bromofluorobenzene (4-BFB)			0.0973	mg/L	1	0.100	97	67.5 - 140.8

Sample: 274203 - MW-5

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	83858	Date Analyzed:	2011-08-16	Analyzed By:	ME
Prep Batch:	71215	Sample Preparation:	2011-08-16	Prepared By:	ME

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.101	mg/L	1	0.100	101	79.1 - 127.2
4-Bromofluorobenzene (4-BFB)			0.0960	mg/L	1	0.100	96	67.5 - 140.8

Sample: 274204 - MW-2

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	83858	Date Analyzed:	2011-08-16	Analyzed By:	ME
Prep Batch:	71215	Sample Preparation:	2011-08-16	Prepared By:	ME

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene		1	**0.0148**	mg/L	1	0.00100
Toluene	U	1	<0.00100	mg/L	1	0.00100
Ethylbenzene		1	**0.103**	mg/L	1	0.00100
Xylene		1	**0.0287**	mg/L	1	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.104	mg/L	1	0.100	104	79.1 - 127.2
4-Bromofluorobenzene (4-BFB)	Qsr		0.145	mg/L	1	0.100	145	67.5 - 140.8

Sample: 274205 - MW-8

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	83858	Date Analyzed:	2011-08-16	Analyzed By:	ME
Prep Batch:	71215	Sample Preparation:	2011-08-16	Prepared By:	ME

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene			**0.0637**	mg/L	1	0.00100
Toluene	U		<0.00100	mg/L	1	0.00100
Ethylbenzene			**0.154**	mg/L	1	0.00100
Xylene			**0.196**	mg/L	1	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.102	mg/L	1	0.100	102	79.1 - 127.2
4-Bromofluorobenzene (4-BFB)	Q--		0.164	mg/L	1	0.100	164	67.5 - 140.8

Method Blanks

Method Blank (1) QC Batch: 83858

QC Batch: 83858 | Date Analyzed: 2011-08-16 | Analyzed By: ME
Prep Batch: 71215 | QC Preparation: 2011-08-16 | Prepared By: ME

Parameter	Flag	Cert	MDL Result	Units	RL
Benzene		:	<0.000400	mg/L	0.001
Toluene		:	<0.000300	mg/L	0.001
Ethylbenzene		:	<0.000300	mg/L	0.001
Xylene		:	<0.000333	mg/L	0.001

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0931	mg/L	1	0.100	93	61.1 - 118.4
4-Bromofluorobenzene (4-BFB)			0.0869	mg/L	1	0.100	87	45.9 - 126.4

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 83858 | Date Analyzed: 2011-08-16 | Analyzed By: ME
Prep Batch: 71215 | QC Preparation: 2011-08-16 | Prepared By: ME

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		:	0.0984	mg/L	1	0.100	<0.000400	98	88 - 116.8
Toluene		:	0.103	mg/L	1	0.100	<0.000300	103	90.9 - 122.2
Ethylbenzene		:	0.105	mg/L	1	0.100	<0.000300	105	72.7 - 120.2
Xylene		:	0.317	mg/L	1	0.300	<0.000333	106	72.1 - 121.5

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		:	0.0979	mg/L	1	0.100	<0.000400	98	88 - 116.8	0	20
Toluene		:	0.103	mg/L	1	0.100	<0.000300	103	90.9 - 122.2	0	20
Ethylbenzene		:	0.105	mg/L	1	0.100	<0.000300	105	72.7 - 120.2	0	20
Xylene		:	0.317	mg/L	1	0.300	<0.000333	106	72.1 - 121.5	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)	0.0996	0.0987	mg/L	1	0.100	100	99	61.9 - 119.2
4-Bromofluorobenzene (4-BFB)	0.0998	0.0988	mg/L	1	0.100	100	99	56.4 - 127.9

Matrix Spike (MS-1) Spiked Sample: 274394

QC Batch: 83858 | Date Analyzed: 2011-08-16 | Analyzed By: ME
Prep Batch: 71215 | QC Preparation: 2011-08-16 | Prepared By: ME

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		:	2.17	mg/L	20	2.00	0.3037	93	66.9 - 128.2
Toluene		:	1.94	mg/L	20	2.00	<0.00600	97	81.6 - 122.9
Ethylbenzene		:	2.03	mg/L	20	2.00	<0.00600	102	62.7 - 117.9
Xylene		:	5.98	mg/L	20	6.00	<0.00666	100	62.9 - 118.2

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		:	2.06	mg/L	20	2.00	0.3037	88	66.9 - 128.2	5	20
Toluene		:	1.89	mg/L	20	2.00	<0.00600	94	81.6 - 122.9	3	20
Ethylbenzene		:	1.96	mg/L	20	2.00	<0.00600	98	62.7 - 117.9	4	20
Xylene		:	5.80	mg/L	20	6.00	<0.00666	97	62.9 - 118.2	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)	2.02	1.81	mg/L	20	2	101	90	58.6 - 119.7
4-Bromofluorobenzene (4-BFB)	2.05	1.87	mg/L	20	2	102	94	52.2 - 135.8

Calibration Standards

Standard (CCV-1)

QC Batch: 83858 | Date Analyzed: 2011-08-16 | Analyzed By: ME

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.0968	97	80 - 120	2011-08-16
Toluene		1	mg/L	0.100	0.0994	99	80 - 120	2011-08-16
Ethylbenzene		1	mg/L	0.100	0.101	101	80 - 120	2011-08-16
Xylene		1	mg/L	0.300	0.308	103	80 - 120	2011-08-16

Standard (CCV-2)

QC Batch: 83858 | Date Analyzed: 2011-08-16 | Analyzed By: ME

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.101	101	80 - 120	2011-08-16
Toluene		1	mg/L	0.100	0.105	105	80 - 120	2011-08-16
Ethylbenzene		1	mg/L	0.100	0.107	107	80 - 120	2011-08-16
Xylene		1	mg/L	0.300	0.321	107	80 - 120	2011-08-16

Appendix

Laboratory Certifications

C	Certifying Authority	Certification Number	Laboratory Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	NELAP	T104704392-10-TX	Midland

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less then ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
Qc	Calibration check outside of laboratory limits.
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.
Qsr	Surrogate recovery outside of laboratory limits.
U	The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.
Please note, each attachment may consist of more than one page.

LAB Order ID # 1108102 3

Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
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BioAquatic Testing
2501 Mayes Rd., Ste 100
Carrollton, Texas 75006
Tel (972) 242-7750

Company Name: [illegible]

Phone #: 432-520-7720

Address: (Street, City, Zip) 2057 Commerce Midland TX 79705

Fax #: 432-520-7701

Contact Person: Ron R.

E-mail:

Invoice to: (If different from above)

Project #: TWM-Monument #2

Project Name: Mon #2

Project Location (including state): New Mexico

Sampler Signature: R.A. F

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
27401	mw-6	3	voa	X				X				X		8-9	13:00
202	mw-3														13:45
203	mw-5														14:30
204	mw-2														15:15
205	mw-8														16:00

MTBE 8021 / 602 / 8260 / 624	BTEX 8021 / 602 / 8260 / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270 / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260 / 624	GC/MS Semi. Vol. 8270 / 625	PCB's 8082 / 608	Pesticides 8081 / 608	BOD, TSS, pH	Moisture Content	Cl, Fl, S04, NO3, NO2, Alkalinity	Na, Ca, Mg, K, TDS, EC	Turn Around Time if different from standard	Hold
	X																			

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST / OBS / COR
[signature]		8/10/11	1200	[signature]	TA	8/10/11	12:00	INST OBS 3.6 °C COR 3.0 °C
								INST OBS °C COR °C
								INST OBS °C COR °C

LAB USE ONLY

Intact (Y) N

Headspace Y (N) NA

Log-in-Review

REMARKS:

* All tests Midland

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

Carrier # [illegible]

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

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TRACEANALYSIS, INC.

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5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
8015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Ron Rounsaville
Nova Safety & Environmental
2057 Commerce St.
Midland, TX, 79703

Report Date: November 7, 2011

Work Order: 11110232

Project Location: Monument
Project Name: Monument #2
Project Number: TNM Monument #2

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
281325	MW 1	water	2011-10-31	14:35	2011-11-02
281326	MW 2	water	2011-10-31	15:15	2011-11-02
281327	MW 3	water	2011-10-31	15:05	2011-11-02
281328	MW 4	water	2011-10-31	14:45	2011-11-02
281329	MW 5	water	2011-10-31	15:10	2011-11-02
281330	MW 6	water	2011-10-31	14:55	2011-11-02
281331	MW 7	water	2011-10-31	14:40	2011-11-02
281332	MW 8	water	2011-10-31	15:25	2011-11-02

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.

Michael Abel

Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Report Contents

Case Narrative

Samples for project Monument #2 were received by TraceAnalysis, Inc. on 2011-11-02 and assigned to work order 11110232. Samples for work order 11110232 were received intact without headspace and at a temperature of 6.7 C.

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

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
BTEX	S 8021B	73104	2011-11-03 at 11:55	86090	2011-11-03 at 13:04

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 11110232 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: 281325 - MW 1

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	86090	Date Analyzed:	2011-11-03	Analyzed By:	AG
Prep Batch:	73104	Sample Preparation:	2011-11-03	Prepared By:	AG

Parameter		Flag	Cert	RL Result	Units	Dilution	RL
Benzene	v	U	1	<0.00100	mg/L	1	0.00100
Toluene	Qs,v	Qs,U	1	<0.00100	mg/L	1	0.00100
Ethylbenzene	Qs,v	Qs,U	1	<0.00100	mg/L	1	0.00100
Xylene	v	U	1	<0.00100	mg/L	1	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0988	mg/L	1	0.100	99	79.1 - 127.2
4-Bromofluorobenzene (4-BFB)			0.0965	mg/L	1	0.100	96	67.5 - 140.8

Sample: 281326 - MW 2

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	86090	Date Analyzed:	2011-11-03	Analyzed By:	AG
Prep Batch:	73104	Sample Preparation:	2011-11-03	Prepared By:	AG

Parameter		Flag	Cert	RL Result	Units	Dilution	RL
Benzene			1	**0.00900**	mg/L	1	0.00100
Toluene	Qs,v	Qs,U	1	<0.00100	mg/L	1	0.00100
Ethylbenzene	Qs	Qs	1	**0.0727**	mg/L	1	0.00100
Xylene			1	**0.0156**	mg/L	1	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0953	mg/L	1	0.100	95	79.1 - 127.2
4-Bromofluorobenzene (4-BFB)			0.134	mg/L	1	0.100	134	67.5 - 140.8

Sample: 281327 - MW 3

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	86090	Date Analyzed:	2011-11-03	Analyzed By:	AG
Prep Batch:	73104	Sample Preparation:	2011-11-03	Prepared By:	AG

Parameter		Flag	Cert	RL Result	Units	Dilution	RL
Benzene	v	U	1	<0.00100	mg/L	1	0.00100
Toluene	qs,v	Qs,U	1	<0.00100	mg/L	1	0.00100
Ethylbenzene	qs,v	Qs,U	1	<0.00100	mg/L	1	0.00100
Xylene	v	U	1	<0.00100	mg/L	1	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0914	mg/L	1	0.100	91	79.1 - 127.2
4-Bromofluorobenzene (4-BFB)			0.0911	mg/L	1	0.100	91	67.5 - 140.8

Sample: 281328 - MW 4

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	86090	Date Analyzed:	2011-11-03	Analyzed By:	AG
Prep Batch:	73104	Sample Preparation:	2011-11-03	Prepared By:	AG

Parameter		Flag	Cert	RL Result	Units	Dilution	RL
Benzene	v	U	1	<0.00100	mg/L	1	0.00100
Toluene	qs,v	Qs,U	1	<0.00100	mg/L	1	0.00100
Ethylbenzene	qs,v	Qs,U	1	<0.00100	mg/L	1	0.00100
Xylene	v	U	1	<0.00100	mg/L	1	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0945	mg/L	1	0.100	94	79.1 - 127.2
4-Bromofluorobenzene (4-BFB)			0.0940	mg/L	1	0.100	94	67.5 - 140.8

Sample: 281329 - MW 5

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	86090	Date Analyzed:	2011-11-03	Analyzed By:	AG
Prep Batch:	73104	Sample Preparation:	2011-11-03	Prepared By:	AG

Parameter		Flag	Cert	RL Result	Units	Dilution	RL
Benzene	v	U	1	<0.00100	mg/L	1	0.00100
Toluene	qs,v	Qs,U	1	<0.00100	mg/L	1	0.00100
Ethylbenzene	qs,v	Qs,U	1	<0.00100	mg/L	1	0.00100
Xylene	v	U	1	<0.00100	mg/L	1	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0971	mg/L	1	0.100	97	79.1 - 127.2
4-Bromofluorobenzene (4-BFB)			0.0958	mg/L	1	0.100	96	67.5 - 140.8

Sample: 281330 - MW 6

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	86090	Date Analyzed:	2011-11-03	Analyzed By:	AG
Prep Batch:	73104	Sample Preparation:	2011-11-03	Prepared By:	AG

Parameter		Flag	Cert	RL Result	Units	Dilution	RL
Benzene	v	U	1	<0.00100	mg/L	1	0.00100
Toluene	qs,v	Qs,U	1	<0.00100	mg/L	1	0.00100
Ethylbenzene	qs,v	Qs,U	1	<0.00100	mg/L	1	0.00100
Xylene	v	U	1	<0.00100	mg/L	1	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0963	mg/L	1	0.100	96	79.1 - 127.2
4-Bromofluorobenzene (4-BFB)			0.0961	mg/L	1	0.100	96	67.5 - 140.8

Sample: 281331 - MW 7

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	86090	Date Analyzed:	2011-11-03	Analyzed By:	AG
Prep Batch:	73104	Sample Preparation:	2011-11-03	Prepared By:	AG

Parameter		Flag	Cert	RL Result	Units	Dilution	RL
Benzene	v	U	1	<0.00100	mg/L	1	0.00100
Toluene	Qs,v	Qs,U	1	<0.00100	mg/L	1	0.00100
Ethylbenzene	Qs,v	Qs,U	1	<0.00100	mg/L	1	0.00100
Xylene	v	U	1	<0.00100	mg/L	1	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0954	mg/L	1	0.100	95	79.1 - 127.2
4-Bromofluorobenzene (4-BFB)			0.0963	mg/L	1	0.100	96	67.5 - 140.8

Sample: 281332 - MW 8

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	86090	Date Analyzed:	2011-11-03	Analyzed By:	AG
Prep Batch:	73104	Sample Preparation:	2011-11-03	Prepared By:	AG

Parameter		Flag	Cert	RL Result	Units	Dilution	RL
Benzene			1	**0.0389**	mg/L	1	0.00100
Toluene	Qs,v	Qs,U	1	<0.00100	mg/L	1	0.00100
Ethylbenzene	Qs	Qs	1	**0.114**	mg/L	1	0.00100
Xylene			1	**0.136**	mg/L	1	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0948	mg/L	1	0.100	95	79.1 - 127.2
4-Bromofluorobenzene (4-BFB)			0.124	mg/L	1	0.100	124	67.5 - 140.8

Method Blanks

Method Blank (1) QC Batch: 86090

QC Batch:	86090	Date Analyzed:	2011-11-03	Analyzed By:	AG
Prep Batch:	73104	QC Preparation:	2011-11-03	Prepared By:	AG

Parameter	Flag	Cert	MDL Result	Units	RL
Benzene		:	<0.000400	mg/L	0.001
Toluene		:	<0.000300	mg/L	0.001
Ethylbenzene		:	<0.000300	mg/L	0.001
Xylene		:	<0.000333	mg/L	0.001

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0995	mg/L	1	0.100	100	61.1 - 118.4
4-Bromofluorobenzene (4-BFB)			0.0977	mg/L	1	0.100	98	45.9 - 126.4

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 86090 | Date Analyzed: 2011-11-03 | Analyzed By: AG
Prep Batch: 73104 | QC Preparation: 2011-11-03 | Prepared By: AG

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.0952	mg/L	1	0.100	<0.000400	95	76.8 - 120.3
Toluene		1	0.0929	mg/L	1	0.100	<0.000300	93	90.9 - 122.2
Ethylbenzene		1	0.0921	mg/L	1	0.100	<0.000300	92	72.7 - 120.2
Xylene		1	0.279	mg/L	1	0.300	<0.000333	93	72.1 - 121.5

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		1	0.0976	mg/L	1	0.100	<0.000400	98	76.8 - 120.3	2	20
Toluene		1	0.0965	mg/L	1	0.100	<0.000300	96	90.9 - 122.2	4	20
Ethylbenzene		1	0.0955	mg/L	1	0.100	<0.000300	96	72.7 - 120.2	4	20
Xylene		1	0.289	mg/L	1	0.300	<0.000333	96	72.1 - 121.5	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)	0.0966	0.0968	mg/L	1	0.100	97	97	61.9 - 119.2
4-Bromofluorobenzene (4-BFB)	0.104	0.106	mg/L	1	0.100	104	106	56.4 - 127.9

Matrix Spike (MS-1) Spiked Sample: 281390

QC Batch: 86090 | Date Analyzed: 2011-11-03 | Analyzed By: AG
Prep Batch: 73104 | QC Preparation: 2011-11-03 | Prepared By: AG

Param		F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene			1	0.447	mg/L	5	0.500	0.0055	88	66.9 - 128.2
Toluene	Qs	Qs	1	0.364	mg/L	5	0.500	<0.00150	73	81.6 - 122.9
Ethylbenzene	Qs	Qs	1	0.297	mg/L	5	0.500	<0.00150	59	62.7 - 117.9
Xylene			1	1.32	mg/L	5	1.50	<0.00166	88	62.9 - 118.2

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		:	0.476	mg/L	5	0.500	0.0055	94	66.9 - 128.2	6	20
Toluene	Qs	Qs :	0.387	mg/L	5	0.500	<0.00150	77	81.6 - 122.9	6	20
Ethylbenzene	Qs	Qs :	0.307	mg/L	5	0.500	<0.00150	61	62.7 - 117.9	3	20
Xylene		:	1.40	mg/L	5	1.50	<0.00166	93	62.9 - 118.2	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)	0.479	0.486	mg/L	5	0.5	96	97	58.6 - 119.7
4-Bromofluorobenzene (4-BFB)	0.513	0.527	mg/L	5	0.5	103	105	52.2 - 135.8

Calibration Standards

Standard (CCV-1)

QC Batch: 86090 | Date Analyzed: 2011-11-03 | Analyzed By: AG

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.0983	98	80 - 120	2011-11-03
Toluene		1	mg/L	0.100	0.0928	93	80 - 120	2011-11-03
Ethylbenzene		1	mg/L	0.100	0.0905	90	80 - 120	2011-11-03
Xylene		1	mg/L	0.300	0.276	92	80 - 120	2011-11-03

Standard (CCV-2)

QC Batch: 86090 | Date Analyzed: 2011-11-03 | Analyzed By: AG

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.0947	95	80 - 120	2011-11-03
Toluene		1	mg/L	0.100	0.0929	93	80 - 120	2011-11-03
Ethylbenzene		1	mg/L	0.100	0.0910	91	80 - 120	2011-11-03
Xylene		1	mg/L	0.300	0.274	91	80 - 120	2011-11-03

Standard (CCV-3)

QC Batch: 86090 | Date Analyzed: 2011-11-03 | Analyzed By: AG

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.101	101	80 - 120	2011-11-03
Toluene		1	mg/L	0.100	0.0984	98	80 - 120	2011-11-03
Ethylbenzene		1	mg/L	0.100	0.0952	95	80 - 120	2011-11-03
Xylene		1	mg/L	0.300	0.290	97	80 - 120	2011-11-03

Appendix

Laboratory Certifications

C	Certifying Authority	Certification Number	Laboratory Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	NELAP	T104704392-10-TX	Midland

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less then ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
Qc	Calibration check outside of laboratory limits.
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.
Qsr	Surrogate recovery outside of laboratory limits.
U	The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.
Please note, each attachment may consist of more than one page.

LAB Order ID # 11110232

Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
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1 (800) 378-1296

5002 Basin Street, Suite A1
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Tel (432) 689-6301
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200 East Sunset Rd., Suite E
El Paso, Texas 79922
Tel (915) 585-3443
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1 (888) 588-3443

BioAquatic Testing
2501 Mayes Rd., Ste 100
Carrollton, Texas 75006
Tel (972) 242-7750

Company Name: NOVA Safety & Environmental
Phone #: 432-520-7720
Address: (Street, City, Zip) 2057 Commerce
Fax #:
Contact Person: Ron Rounsaville
E-mail:
Invoice to: (If different from above) Plains
Project #: TNM-Monument#7
Project Name: TNM- Monument #2
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 8021 / 602 / 8260 / 624	BTEX 8021 / 602 / 8260 / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270 / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260 / 624	GC/MS Semi. Vol. 8270 / 625	PCB's 8082 / 608	Pesticides 8081 / 608	BOD, TSS, pH	Moisture Content	Cl, Fl, S04, NO3, NO2, Alkalinity	Na, Ca, Mg, K, TDS, EC					Turn Around Time if different from standard	Hold
281325	MW1	3		✓				✓				✓		10/31	1435		✓																						
326	MW2														1515																								
327	MW3														1505																								
328	MW4														1445																								
329	MW5														1510																								
330	MW6														1455																								
331	MW7														1440																								
332	MW8														1525																								

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
Brythelee	NOVA	11/2/11	0800		T/A	11/2/11	0:[illegible]	INST 16.7 °C, OBS °C, COR °C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST °C, OBS °C, COR °C
	T/A	11/2/11	17:00					
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST °C, OBS °C, COR °C

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

REMARKS:
All tests Lubbock Midland

- 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 #

ORIGINAL COPY

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
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E-Mail: lab@traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Ron Rounsaville
Nova Safety & Environmental
2057 Commerce St.
Midland, TX, 79703

Report Date: January 4, 2012

Work Order: 11121923

Project Location: Monument
Project Name: Monument #2
Project Number: TNM Monument #2

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
284812	MW-2	water	2011-12-15	16:55	2011-12-16
284813	MW-8	water	2011-12-15	16:40	2011-12-16

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
Dr. Michael Abel, Project Manager

Report Contents

Case Narrative

Samples for project Monument #2 were received by TraceAnalysis, Inc. on 2011-12-16 and assigned to work order 11121923. Samples for work order 11121923 were received intact at a temperature of 11.3 C.

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

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
PAH	S 8270D	74334	2012-12-21 at 15:00	87535	2012-01-02 at 11:40

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 11121923 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: 284812 - MW-2

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270D	Prep Method:	S 3510C
QC Batch:	87535	Date Analyzed:	2012-01-02	Analyzed By:	MN
Prep Batch:	74334	Sample Preparation:	2012-12-21	Prepared By:	MN

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Naphthalene		1	**0.00717**	mg/L	9.217	0.000200
2-Methylnaphthalene		1	**0.00835**	mg/L	9.217	0.000200
1-Methylnaphthalene			**0.0473**	mg/L	9.217	0.000200
Acenaphthylene	U	1	<0.00184	mg/L	9.217	0.000200
Acenaphthene	U	1	<0.00184	mg/L	9.217	0.000200
Dibenzofuran		1	**0.00850**	mg/L	9.217	0.000200
Fluorene	U	1	<0.00184	mg/L	9.217	0.000200
Anthracene	U	1	<0.00184	mg/L	9.217	0.000200
Phenanthrene			**0.0146**	mg/L	9.217	0.000200
Fluoranthene	U		<0.00184	mg/L	9.217	0.000200
Pyrene	U	1	<0.00184	mg/L	9.217	0.000200
Benzo(a)anthracene	U		<0.00184	mg/L	9.217	0.000200
Chrysene	U	1	<0.00184	mg/L	9.217	0.000200
Benzo(b)fluoranthene	U		<0.00184	mg/L	9.217	0.000200
Benzo(k)fluoranthene	U	1	<0.00184	mg/L	9.217	0.000200
Benzo(a)pyrene	U	1	<0.00184	mg/L	9.217	0.000200
Indeno(1,2,3-cd)pyrene	U	1	<0.00184	mg/L	9.217	0.000200
Dibenzo(a,h)anthracene	U	1	<0.00184	mg/L	9.217	0.000200
Benzo(g,h,i)perylene	U		<0.00184	mg/L	9.217	0.000200

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5			0.0854	mg/L	9.217	0.0800	107	10 - 117
2-Fluorobiphenyl			0.0749	mg/L	9.217	0.0800	94	10 - 99
Terphenyl-d14			0.0903	mg/L	9.217	0.0800	113	22.6 - 115

Sample: 284813 - MW-8

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270D	Prep Method:	S 3510C
QC Batch:	87535	Date Analyzed:	2012-01-02	Analyzed By:	MN
Prep Batch:	74334	Sample Preparation:	2012-12-21	Prepared By:	MN

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Naphthalene		1	**0.0106**	mg/L	0.922	0.000200
2-Methylnaphthalene		1	**0.0147**	mg/L	0.922	0.000200
1-Methylnaphthalene			**0.0214**	mg/L	0.922	0.000200
Acenaphthylene	U	1	<0.000184	mg/L	0.922	0.000200
Acenaphthene	U	1	<0.000184	mg/L	0.922	0.000200
Dibenzofuran		1	**0.00238**	mg/L	0.922	0.000200
Fluorene	U	1	<0.000184	mg/L	0.922	0.000200
Anthracene	U	1	<0.000184	mg/L	0.922	0.000200
Phenanthrene			**0.00298**	mg/L	0.922	0.000200
Fluoranthene	U		<0.000184	mg/L	0.922	0.000200
Pyrene	U	1	<0.000184	mg/L	0.922	0.000200
Benzo(a)anthracene	U		<0.000184	mg/L	0.922	0.000200
Chrysene	U	1	<0.000184	mg/L	0.922	0.000200
Benzo(b)fluoranthene	U		<0.000184	mg/L	0.922	0.000200
Benzo(k)fluoranthene	U	1	<0.000184	mg/L	0.922	0.000200
Benzo(a)pyrene	U	1	<0.000184	mg/L	0.922	0.000200
Indeno(1,2,3-cd)pyrene	U	1	<0.000184	mg/L	0.922	0.000200
Dibenzo(a,h)anthracene	U	1	<0.000184	mg/L	0.922	0.000200
Benzo(g,h,i)perylene	U		<0.000184	mg/L	0.922	0.000200

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5			0.0370	mg/L	0.922	0.0800	46	10 - 117
2-Fluorobiphenyl			0.0372	mg/L	0.922	0.0800	46	10 - 99
Terphenyl-d14			0.0538	mg/L	0.922	0.0800	67	22.6 - 115

Method Blanks

Method Blank (1) QC Batch: 87535

QC Batch:	87535	Date Analyzed:	2012-01-02	Analyzed By:	MN
Prep Batch:	74334	QC Preparation:	2012-12-21	Prepared By:	MN

Parameter	Flag	Cert	MDL Result	Units	RL
Naphthalene		1	<0.0000904	mg/L	0.0002
2-Methylnaphthalene		1	<0.000184	mg/L	0.0002
1-Methylnaphthalene			<0.000120	mg/L	0.0002
Acenaphthylene		1	<0.000101	mg/L	0.0002
Acenaphthene		1	<0.000122	mg/L	0.0002
Dibenzofuran		1	<0.000119	mg/L	0.0002
Fluorene		1	<0.000198	mg/L	0.0002
Anthracene		1	<0.000190	mg/L	0.0002
Phenanthrene			<0.000190	mg/L	0.0002
Fluoranthene			<0.000122	mg/L	0.0002
Pyrene		1	<0.000142	mg/L	0.0002
Benzo(a)anthracene			<0.000138	mg/L	0.0002
Chrysene		1	<0.000155	mg/L	0.0002
Benzo(b)fluoranthene			<0.000179	mg/L	0.0002
Benzo(k)fluoranthene		1	<0.000185	mg/L	0.0002
Benzo(a)pyrene		1	<0.000169	mg/L	0.0002
Indeno(1,2,3-cd)pyrene		1	<0.000139	mg/L	0.0002
Dibenzo(a,h)anthracene		1	<0.000107	mg/L	0.0002
Benzo(g,h,i)perylene			<0.000143	mg/L	0.0002

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5			0.0450	mg/L	1	0.0800	56	10 - 117
2-Fluorobiphenyl			0.0360	mg/L	1	0.0800	45	10 - 99
Terphenyl-d14			0.0563	mg/L	1	0.0800	70	22.6 - 115

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 87535 | Date Analyzed: 2012-01-02 | Analyzed By: MN
Prep Batch: 74334 | QC Preparation: 2012-12-21 | Prepared By: MN

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Naphthalene		:	0.0315	mg/L	1	0.0800	<0.0000904	39	10 - 89.9
2-Methylnaphthalene		:	0.0351	mg/L	1	0.0800	<0.000184	44	13.8 - 98.4
1-Methylnaphthalene			0.0407	mg/L	1	0.0800	<0.000120	51	13.1 - 103
Acenaphthylene		:	0.0410	mg/L	1	0.0800	<0.000101	51	20 - 104
Acenaphthene		:	0.0403	mg/L	1	0.0800	<0.000122	50	21.6 - 94.6
Dibenzofuran		:	0.0479	mg/L	1	0.0800	<0.000119	60	22.9 - 74.9
Fluorene		:	0.0515	mg/L	1	0.0800	<0.000198	64	30.8 - 109
Anthracene		:	0.0594	mg/L	1	0.0800	<0.000190	74	37.6 - 96.4
Phenanthrene			0.0571	mg/L	1	0.0800	<0.000190	71	42.4 - 99.8
Fluoranthene			0.0558	mg/L	1	0.0800	<0.000122	70	48 - 118
Pyrene		:	0.0734	mg/L	1	0.0800	<0.000142	92	45.3 - 109
Benzo(a)anthracene			0.0642	mg/L	1	0.0800	<0.000138	80	48 - 113
Chrysene		:	0.0598	mg/L	1	0.0800	<0.000155	75	35.2 - 175
Benzo(b)fluoranthene			0.0495	mg/L	1	0.0800	<0.000179	62	16.6 - 106
Benzo(k)fluoranthene		:	0.0456	mg/L	1	0.0800	<0.000185	57	36.8 - 99.4
Benzo(a)pyrene		:	0.0458	mg/L	1	0.0800	<0.000169	57	32.3 - 99.7
Indeno(1,2,3-cd)pyrene		:	0.0512	mg/L	1	0.0800	<0.000139	64	34.1 - 106
Dibenzo(a,h)anthracene		:	0.0551	mg/L	1	0.0800	<0.000107	69	47.1 - 103
Benzo(g,h,i)perylene			0.0506	mg/L	1	0.0800	<0.000143	63	21.9 - 112

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Naphthalene		:	0.0352	mg/L	1	0.0800	<0.0000904	44	10 - 89.9	11	20
2-Methylnaphthalene		:	0.0400	mg/L	1	0.0800	<0.000184	50	13.8 - 98.4	13	20
1-Methylnaphthalene			0.0465	mg/L	1	0.0800	<0.000120	58	13.1 - 103	13	20
Acenaphthylene		:	0.0467	mg/L	1	0.0800	<0.000101	58	20 - 104	13	20
Acenaphthene		:	0.0455	mg/L	1	0.0800	<0.000122	57	21.6 - 94.6	12	20
Dibenzofuran		:	0.0551	mg/L	1	0.0800	<0.000119	69	22.9 - 74.9	14	20
Fluorene		:	0.0595	mg/L	1	0.0800	<0.000198	74	30.8 - 109	14	20
Anthracene		:	0.0668	mg/L	1	0.0800	<0.000190	84	37.6 - 96.4	12	20
Phenanthrene			0.0642	mg/L	1	0.0800	<0.000190	80	42.4 - 99.8	12	20
Fluoranthene			0.0619	mg/L	1	0.0800	<0.000122	77	48 - 118	10	20
Pyrene		:	0.0826	mg/L	1	0.0800	<0.000142	103	45.3 - 109	12	20

continued ...

control spikes continued ...

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzo(a)anthracene			0.0714	mg/L	1	0.0800	<0.000138	89	48 - 113	11	20
Chrysene		1	0.0670	mg/L	1	0.0800	<0.000155	84	35.2 - 175	11	20
Benzo(b)fluoranthene			0.0477	mg/L	1	0.0800	<0.000179	60	16.6 - 106	4	20
Benzo(k)fluoranthene		1	0.0510	mg/L	1	0.0800	<0.000185	64	36.8 - 99.4	11	20
Benzo(a)pyrene		1	0.0516	mg/L	1	0.0800	<0.000169	64	32.3 - 99.7	12	20
Indeno(1,2,3-cd)pyrene		1	0.0580	mg/L	1	0.0800	<0.000139	72	34.1 - 106	12	20
Dibenzo(a,h)anthracene		1	0.0632	mg/L	1	0.0800	<0.000107	79	47.1 - 103	14	20
Benzo(g,h,i)perylene			0.0581	mg/L	1	0.0800	<0.000143	73	21.9 - 112	14	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
Nitrobenzene-d5	0.0437	0.0490	mg/L	1	0.0800	55	61	10 - 117
2-Fluorobiphenyl	0.0381	0.0436	mg/L	1	0.0800	48	54	10 - 99
Terphenyl-d14	0.0791	0.0874	mg/L	1	0.0800	99	109	22.6 - 115

Calibration Standards

Standard (CCV-3)

QC Batch: 87535 | Date Analyzed: 2012-01-02 | Analyzed By: MN

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Naphthalene		1	mg/L	60.0	53.0	88	80 - 120	2012-01-02
2-Methylnaphthalene		1	mg/L	60.0	50.0	83	80 - 120	2012-01-02
1-Methylnaphthalene			mg/L	60.0	59.2	99	80 - 120	2012-01-02
Acenaphthylene		1	mg/L	60.0	52.7	88	80 - 120	2012-01-02
Acenaphthene		1	mg/L	60.0	53.6	89	80 - 120	2012-01-02
Dibenzofuran		1	mg/L	60.0	52.7	88	80 - 120	2012-01-02
Fluorene		1	mg/L	60.0	55.4	92	80 - 120	2012-01-02
Anthracene		1	mg/L	60.0	59.8	100	80 - 120	2012-01-02
Phenanthrene			mg/L	60.0	58.7	98	80 - 120	2012-01-02
Fluoranthene			mg/L	60.0	57.8	96	80 - 120	2012-01-02
Pyrene		1	mg/L	60.0	64.6	108	80 - 120	2012-01-02
Benzo(a)anthracene			mg/L	60.0	58.6	98	80 - 120	2012-01-02
Chrysene		1	mg/L	60.0	51.7	86	80 - 120	2012-01-02
Benzo(b)fluoranthene			mg/L	60.0	56.1	94	80 - 120	2012-01-02
Benzo(k)fluoranthene		1	mg/L	60.0	52.2	87	80 - 120	2012-01-02
Benzo(a)pyrene		1	mg/L	60.0	50.4	84	80 - 120	2012-01-02
Indeno(1,2,3-cd)pyrene		1	mg/L	60.0	53.0	88	80 - 120	2012-01-02
Dibenzo(a,h)anthracene		1	mg/L	60.0	55.4	92	80 - 120	2012-01-02
Benzo(g,h,i)perylene			mg/L	60.0	51.8	86	80 - 120	2012-01-02

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
Nitrobenzene-d5			60.0	mg/L	1	60.0	100	-
2-Fluorobiphenyl			51.5	mg/L	1	60.0	86	-
Terphenyl-d14			64.8	mg/L	1	60.0	108	-

Appendix

Report Definitions

Name	Definition
MDL	Method Detection Limit
MQL	Minimum Quantitation Limit
SDL	Sample Detection Limit

Laboratory Certifications

C	Certifying Authority	Certification Number	Laboratory Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	NELAP	T104704219-11-5	Lubbock

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less then ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
Qc	Calibration check outside of laboratory limits.
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.
Qsr	Surrogate recovery outside of laboratory limits.
U	The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.
Please note, each attachment may consist of more than one page.

LAB Order ID # 1112923

Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

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

5002 Basin Street, Suite A1
Midland, Texas 79703
Tel (432) 689-6301
Fax (432) 689-6313

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

BioAquatic Testing
2501 Mayes Rd., Ste 100
Carrollton, Texas 75006
Tel (972) 242-7750

Company Name: NOVA
Phone #:
Address: (Street, City, Zip)
Fax #:
Contact Person: Ron Lounsaville
E-mail:
Invoice to: (If different from above)
Project #: TNM MONUMENT #2
Project Name: MONUMENT 2
Project Location (including state):
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 8021 / 602 / 8260 / 624	BTEX 8021 / 602 / 8260 / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270 / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260 / 624	GC/MS Semi. Vol. 8270 / 625	PCB's 8082 / 608	Pesticides 8081 / 608	BOD, TSS, pH	Moisture Content	Cl, Fl, SO4, NO3, NO2, Alkalinity	Na, Ca, Mg, K, TDS, EC					Turn Around Time if different from standard	Hold
284812	MW2	1	1L amber	X									X	12/15/11	1655					X																		
813	MW8	↓	↓	↓									↓	↓	1640					↓																		

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
David Fletcher	NOVA	12/16/11	842		TA	12/16/11	8:42	INST OBS 11.3 °C COR °C
	TA	12/16/11	10:05					INST OBS °C COR °C
				Michael	TA	12/17/11	11:00	INST IR OBS 3.3 °C COR 3.4 °C

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

REMARKS:
Rushed
Sat delivery

- 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 # Carrier LS 2817305 1

ORIGINAL COPY

Historical Data Tables

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 2
LEA COUNTY, NEW MEXICO
NMOCD Reference No. 1R-0110

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	04/30/97	-	-	28.63	0.00	
MW - 1	07/23/97	3,558.53	-	31.46	0.00	3527.07
MW - 1	10/07/97	3,558.53	-	31.57	0.00	3526.96
MW - 1	10/23/97	3,558.53	-	31.51	0.00	3527.02
MW - 1	12/03/97	3,558.53	-	31.57	0.00	3526.96
MW - 1	01/02/98	3,558.53	-	31.54	0.00	3526.99
MW - 1	01/07/98	3,558.53	-	31.54	0.00	3526.99
MW - 1	02/06/98	3,560.60	-	31.51	0.00	3529.09
MW - 1	03/04/98	3,560.60	-	31.50	0.00	3529.10
MW - 1	04/01/98	3,560.60	-	31.53	0.00	3529.07
MW - 1	02/28/00	3,560.60	-	32.65	0.00	3527.95
MW - 1	06/08/00	3,560.60	-	32.84	0.00	3527.76
MW - 1	09/18/00	3,560.60	-	33.05	0.00	3527.55
MW - 1	12/06/00	3,560.60	-	33.14	0.00	3527.46
MW - 1	03/08/01	3,560.60	-	33.05	0.00	3527.55
MW - 1	06/22/01	3,560.60	-	33.20	0.00	3527.40
MW - 1	09/18/01	3,560.60	-	33.45	0.00	3527.15
MW - 1	10/10/01	3,560.60	-	33.51	0.00	3527.09
MW - 1	02/28/02	3,560.60	-	33.51	0.00	3527.09
MW - 1	05/16/02	3,560.60	-	33.52	0.00	3527.08
MW - 1	09/16/02	3,560.60	-	33.82	0.00	3526.78
MW - 1	12/12/02	3,560.60	-	33.93	0.00	3526.67
MW - 1	06/17/03	3,560.60	-	34.10	0.00	3526.50
MW - 1	09/05/03	3,560.60	-	34.22	0.00	3526.38
MW - 1	12/16/03	3,560.60	-	34.18	0.00	3526.42
MW - 1	03/08/04	3,560.60	-	34.46	0.00	3526.14
MW - 1	05/25/04	3,560.60	-	34.32	0.00	3526.28
MW - 1	08/31/04	3,560.60	-	34.51	0.00	3526.09
MW - 1	12/13/04	3,560.60	-	33.33	0.00	3527.27
MW - 1	*03/11/05*	3,560.60	-	33.06	0.00	3527.54
MW - 1	*06/14/05*	3,560.60	-	33.64	0.00	3526.96
MW - 1	*09/13/05*	3,560.60	-	32.40	0.00	3528.20
MW - 1	12/07/05	3,560.60	-	32.12	0.00	3528.48
MW - 1	*12/14/05*	3,560.60	-	32.09	0.00	3528.51
MW - 1	*03/14/06*	3,560.60	-	31.90	0.00	3528.70
MW - 1	*06/16/06*	3,560.60	-	31.92	0.00	3528.68
MW - 1	*09/05/06*	3,560.60	-	31.97	0.00	3528.63
MW - 1	*11/14/06*	3,560.60	-	31.75	0.00	3528.85
MW - 1	*02/13/07*	3,560.60	-	31.64	0.00	3528.96
MW - 1	*05/10/07*	3,560.60	-	31.51	0.00	3529.09
MW - 1	*08/20/07*	3,560.60	-	31.58	0.00	3529.02

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 2
LEA COUNTY, NEW MEXICO
NMOCD Reference No. 1R-0110

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	*11/02/07*	3,560.60	-	31.56	0.00	3529.04
MW - 1	*02/06/08*	3,560.60	-	31.50	0.00	3529.10
MW - 1	*05/06/08*	3,560.60	-	31.55	0.00	3529.05
MW - 1	*08/07/08*	3,560.60	-	31.86	0.00	3528.74
MW - 1	*11/04/08*	3,560.60	-	31.91	0.00	3528.69
MW - 1	*02/03/09*	3,560.60	-	31.87	0.00	3528.73
MW - 1	*05/06/09*	3,560.60	-	31.86	0.00	3528.74
MW - 1	*08/03/09*	3,560.60	-	32.17	0.00	3528.43
MW - 1	*11/02/09*	3,560.60	-	32.44	0.00	3528.16
MW - 1	01/07/10	3,560.60	-	32.42	0.00	3528.18
MW - 1	*02/02/10*	3,560.60	-	32.49	0.00	3528.11
MW - 1	*05/05/10*	3,560.60	-	32.50	0.00	3528.10
MW - 1	*08/04/10*	3,560.60	-	32.51	0.00	3528.09
MW - 1	*11/03/10*	3,560.60	-	32.51	0.00	3528.09
MW - 1	*02/08/11*	3,560.60	-	32.53	0.00	3528.07
MW - 1	*05/16/11*	3,560.60	-	32.52	0.00	3528.08
MW - 1	*08/09/11*	3,560.60	-	32.50	0.00	3528.10
MW - 1	*10/31/11*	3,560.60	-	32.64	0.00	3527.96
MW - 2	04/30/97	3,559.09	-	29.71	0.00	3529.38
MW - 2	07/23/97	3,559.09	-	34.28	0.00	3524.81
MW - 2	10/07/97	3,559.09	-	35.00	0.00	3524.09
MW - 2	10/23/97	3,559.09	-	35.02	0.00	3524.07
MW - 2	12/03/97	3,559.09	-	35.12	0.00	3523.97
MW - 2	12/17/97	3,559.09	-	33.02	0.00	3526.07
MW - 2	01/02/98	3,559.09	-	32.96	0.00	3526.13
MW - 2	01/07/98	3,559.09	-	32.36	0.00	3526.73
MW - 2	01/15/98	3,559.09	-	32.12	0.00	3526.97
MW - 2	01/20/98	3,559.09	-	32.01	0.00	3527.08
MW - 2	01/30/98	3,559.09	-	32.24	0.00	3526.85
MW - 2	02/06/98	3,561.14	-	32.22	0.00	3528.92
MW - 2	02/13/98	3,561.14	-	32.20	0.00	3528.94
MW - 2	02/21/98	3,561.14	-	32.20	0.00	3528.94
MW - 2	02/25/98	3,561.14	-	32.19	0.00	3528.95
MW - 2	03/04/98	3,561.14	-	32.14	0.00	3529.00
MW - 2	03/13/98	3,561.14	-	32.16	0.00	3528.98
MW - 2	03/17/98	3,561.14	-	32.03	0.00	3529.11
MW - 2	03/24/98	3,561.14	-	32.03	0.00	3529.11
MW - 2	03/31/98	3,561.14	-	32.04	0.00	3529.10
MW - 2	04/07/98	3,561.14	-	32.06	0.00	3529.08
MW - 2	04/17/98	3,561.14	-	32.12	0.00	3529.02

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 2
LEA COUNTY, NEW MEXICO
NMOCD Reference No. 1R-0110

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	04/21/98	3,561.14	-	32.08	0.00	3529.06
MW - 2	04/28/98	3,561.14	-	32.05	0.00	3529.09
MW - 2	02/28/00	3,561.14	32.48	35.26	2.78	3528.24
MW - 2	06/08/00	3,561.14	32.66	35.39	2.73	3528.07
MW - 2	09/18/00	3,561.14	33.04	34.26	1.22	3527.92
MW - 2	12/06/00	3,561.14	33.26	34.12	0.86	3527.75
MW - 2	03/08/01	3,561.14	33.21	33.98	0.77	3527.81
MW - 2	06/22/01	3,561.14	32.22	32.69	0.47	3528.85
MW - 2	09/18/01	3,561.14	33.44	33.89	0.45	3527.63
MW - 2	10/10/01	3,561.14	34.00	33.60	-0.40	3527.20
MW - 2	02/28/02	3,561.14	33.64	34.65	1.01	3527.35
MW - 2	05/16/02	3,561.14	33.71	34.28	0.57	3527.34
MW - 2	0916/02	3,561.14	34.00	34.40	0.40	3527.08
MW - 2	12/12/02	3,561.14	34.03	35.15	1.12	3526.94
MW - 2	06/17/03	3,561.14	34.04	35.80	1.76	3526.84
MW - 2	09/05/03	3,561.14	34.25	35.97	1.72	3526.63
MW - 2	12/16/03	3,561.14	34.23	35.99	1.76	3526.65
MW - 2	03/08/04	3,561.14	34.42	36.03	1.61	3526.48
MW - 2	05/25/04	3,561.14	34.30	35.79	1.49	3526.62
MW - 2	08/31/04	3,561.14	33.46	36.06	2.60	3527.29
MW - 2	09/13/04	3,561.14	34.49	36.10	1.61	3526.41
MW - 2	09/21/04	3,561.14	35.10	35.65	0.55	3525.96
MW - 2	10/07/04	3,561.14	34.15	34.61	0.46	3526.92
MW - 2	10/14/04	3,561.14	33.84	34.15	0.31	3527.25
MW - 2	10/24/04	3,561.14	33.82	34.09	0.27	3527.28
MW - 2	10/28/04	3,561.14	33.94	34.10	0.16	3527.18
MW - 2	11/04/04	3,561.14	34.00	34.06	0.06	3527.13
MW - 2	11/11/04	3,561.14	sheen	34.00	0.00	3527.14
MW - 2	11/17/04	3,561.14	sheen	33.98	0.00	3527.16
MW - 2	11/30/04	3,561.14	sheen	32.68	0.00	3528.46
MW - 2	12/07/04	3,561.14	sheen	33.50	0.00	3527.64
MW - 2	12/13/04	3,561.14	-	33.49	0.00	3527.65
MW - 2	12/15/04	3,561.14	sheen	33.49	0.00	3527.65
MW - 2	12/28/04	3,561.14	sheen	33.49	0.00	3527.65
MW - 2	01/12/05	3,561.14	sheen	33.42	0.00	3527.72
MW - 2	01/19/05	3,561.14	sheen	33.40	0.00	3527.74
MW - 2	01/26/05	3,561.14	sheen	33.39	0.00	3527.75
MW - 2	02/01/05	3,561.14	sheen	33.38	0.00	3527.76
MW - 2	02/09/05	3,561.14	sheen	33.28	0.00	3527.86
MW - 2	02/16/05	3,561.14	sheen	33.33	0.00	3527.81
MW - 2	02/23/05	3,561.14	sheen	33.32	0.00	3527.82

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 2
LEA COUNTY, NEW MEXICO
NMOCD Reference No. 1R-0110

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	03/02/05	3,561.14	sheen	33.29	0.00	3527.85
MW - 2	03/09/05	3,561.14	sheen	33.25	0.00	3527.89
MW - 2	*03/11/05*	3,561.14	sheen	33.25	0.00	3527.89
MW - 2	03/17/05	3,561.14	sheen	33.23	0.00	3527.91
MW - 2	03/23/05	3,561.14	sheen	32.27	0.00	3528.87
MW - 2	03/30/05	3,561.14	sheen	33.20	0.00	3527.94
MW - 2	04/06/05	3,561.14	sheen	33.20	0.00	3527.94
MW - 2	04/14/05	3,561.14	sheen	33.16	0.00	3527.98
MW - 2	05/24/05	3,561.14	sheen	32.93	0.00	3528.21
MW - 2	*06/14/05*	3,561.14	-	32.73	0.00	3528.41
MW - 2	06/22/05	3,561.14	sheen	32.75	0.00	3528.39
MW - 2	07/28/05	3,561.14	sheen	32.65	0.00	3528.49
MW - 2	08/24/05	3,561.14	sheen	32.58	0.00	3528.56
MW - 2	*09/13/05*	3,561.14	32.50	32.51	0.01	3528.64
MW - 2	09/30/05	3,561.14	-	32.40	0.00	3528.74
MW - 2	10/28/05	3,561.14	sheen	32.40	0.00	3528.74
MW - 2	11/17/05	3,561.14	sheen	32.29	0.00	3528.85
MW - 2	*12/14/05*	3,561.14	sheen	32.19	0.00	3528.95
MW - 2	12/30/05	3,561.14	sheen	32.15	0.00	3528.99
MW - 2	01/18/06	3,561.14	sheen	32.14	0.00	3529.00
MW - 2	02/17/06	3,561.14	sheen	32.06	0.00	3529.08
MW - 2	*03/14/06*	3,561.14	sheen	32.00	0.00	3529.14
MW - 2	03/24/06	3,561.14	sheen	32.00	0.00	3529.14
MW - 2	04/19/06	3,561.14	sheen	31.93	0.00	3529.21
MW - 2	05/24/06	3,561.14	sheen	31.93	0.00	3529.21
MW - 2	*06/16/06*	3,561.14	-	32.03	0.00	3529.11
MW - 2	07/12/06	3,561.14	32.10	32.14	0.04	3529.03
MW - 2	08/10/06	3,561.14	-	32.14	0.00	3529.00
MW - 2	*09/05/06*	3,561.14	-	32.13	0.00	3529.01
MW - 2	09/17/06	3,561.14	-	32.07	0.00	3529.07
MW - 2	10/03/06	3,561.14	-	32.10	0.00	3529.04
MW - 2	10/24/06	3,561.14	-	32.00	0.00	3529.14
MW - 2	*11/14/06*	3,561.14	-	31.91	0.00	3529.23
MW - 2	11/16/06	3,561.14	-	31.90	0.00	3529.24
MW - 2	*02/13/07*	3,561.14	-	31.74	0.00	3529.40
MW - 2	*05/10/07*	3,561.14	-	31.63	0.00	3529.51
MW - 2	*08/20/07*	3,561.14	-	31.73	0.00	3529.41
MW - 2	*11/02/07*	3,561.14	-	31.71	0.00	3529.43
MW - 2	*02/06/08*	3,561.14	-	31.68	0.00	3529.46
MW - 2	*05/06/08*	3,561.14	-	31.70	0.00	3529.44
MW - 2	*08/07/08*	3,561.14	-	32.69	0.00	3528.45

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 2
LEA COUNTY, NEW MEXICO
NMOCD Reference No. 1R-0110

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	09/12/08	3,561.14	32.02	32.12	0.10	3529.11
MW - 2	09/25/08	3,561.14	32.10	32.12	0.02	3529.04
MW - 2	09/30/08	3,561.14	-	32.11	0.00	3529.03
MW - 2	10/07/08	3,561.14	-	32.14	0.00	3529.00
MW - 2	10/15/08	3,561.14	-	32.19	0.00	3528.95
MW - 2	10/22/08	3,561.14	-	32.17	0.00	3528.97
MW - 2	10/31/08	3,561.14	-	32.19	0.00	3528.95
MW - 2	*11/04/08*	3,561.14	-	32.11	0.00	3529.03
MW - 2	*11/07/08*	3,561.14	-	32.11	0.00	3529.03
MW - 2	11/14/08	3,561.14	-	32.12	0.00	3529.02
MW - 2	11/21/08	3,561.14	-	32.34	0.00	3528.80
MW - 2	11/24/08	3,561.14	-	32.05	0.00	3529.09
MW - 2	12/03/08	3,561.14	-	29.22	0.00	3531.92
MW - 2	12/16/08	3,561.14	-	32.07	0.00	3529.07
MW - 2	01/07/09	3,561.14	-	32.03	0.00	3529.11
MW - 2	01/16/09	3,561.14	-	32.09	0.00	3529.05
MW - 2	01/29/09	3,561.14	-	32.07	0.00	3529.07
MW - 2	*02/03/09*	3,561.14	-	32.11	0.00	3529.03
MW - 2	02/09/09	3,561.14	-	32.04	0.00	3529.10
MW - 2	02/17/09	3,561.14	-	32.03	0.00	3529.11
MW - 2	02/26/09	3,561.14	-	32.08	0.00	3529.06
MW - 2	03/02/09	3,561.14	-	32.03	0.00	3529.11
MW - 2	03/05/09	3,561.14	-	32.11	0.00	3529.03
MW - 2	03/09/09	3,561.14	-	32.14	0.00	3529.00
MW - 2	03/16/09	3,561.14	-	32.06	0.00	3529.08
MW - 2	03/18/09	3,561.14	-	32.16	0.00	3528.98
MW - 2	03/25/09	3,561.14	-	32.16	0.00	3528.98
MW - 2	03/27/09	3,561.14	32.01	32.16	0.15	3529.11
MW - 2	03/30/09	3,561.14	-	32.04	0.00	3529.10
MW - 2	04/06/09	3,561.14	-	32.13	0.00	3529.01
MW - 2	04/13/09	3,561.14	-	32.02	0.00	3529.12
MW - 2	04/16/09	3,561.14	-	32.06	0.00	3529.08
MW - 2	04/20/09	3,561.14	-	32.08	0.00	3529.06
MW - 2	04/23/09	3,561.14	-	32.03	0.00	3529.11
MW - 2	04/27/09	3,561.14	-	32.04	0.00	3529.10
MW - 2	04/30/09	3,561.14	-	32.08	0.00	3529.06
MW - 2	*05/06/09*	3,561.14	-	32.04	0.00	3529.10
MW - 2	05/21/09	3,561.14	-	32.11	0.00	3529.03
MW - 2	05/27/09	3,561.14	-	32.12	0.00	3529.02
MW - 2	06/04/09	3,561.14	-	32.16	0.00	3528.98
MW - 2	06/08/09	3,561.14	-	32.18	0.00	3528.96

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 2
LEA COUNTY, NEW MEXICO
NMOCD Reference No. 1R-0110

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	06/11/09	3,561.14	-	32.14	0.00	3529.00
MW - 2	06/16/09	3,561.14	-	32.19	0.00	3528.95
MW - 2	06/22/09	3,561.14	-	32.24	0.00	3528.90
MW - 2	06/29/09	3,561.14	-	32.18	0.00	3528.96
MW - 2	07/02/09	3,561.14	-	32.36	0.00	3528.78
MW - 2	07/10/09	3,561.14	-	32.29	0.00	3528.85
MW - 2	07/15/09	3,561.14	-	32.18	0.00	3528.96
MW - 2	07/21/09	3,561.14	-	32.37	0.00	3528.77
MW - 2	07/29/09	3,561.14	-	32.17	0.00	3528.97
MW - 2	07/30/09	3,561.14		32.35	0.00	3528.79
MW - 2	*08/03/09*	3,561.14	-	32.38	0.00	3528.76
MW - 2	08/05/09	3,561.14	-	32.39	0.00	3528.75
MW - 2	08/07/09	3,561.14	-	32.42	0.00	3528.72
MW - 2	08/10/09	3,561.14	-	32.37	0.00	3528.77
MW - 2	08/19/09	3,561.14	-	32.43	0.00	3528.71
MW - 2	08/27/09	3,561.14	-	32.46	0.00	3528.68
MW - 2	08/31/09	3,561.14	-	32.47	0.00	3528.67
MW - 2	09/11/09	3,561.14	-	32.51	0.00	3528.63
MW - 2	09/17/09	3,561.14	-	32.58	0.00	3528.56
MW - 2	09/24/09	3,561.14	-	32.55	0.00	3528.59
MW - 2	09/29/09	3,561.14	-	32.61	0.00	3528.53
MW - 2	09/30/09	3,561.14	-	32.53	0.00	3528.61
MW - 2	10/06/09	3,561.14	-	32.63	0.00	3528.51
MW - 2	10/20/09	3,561.14	-	32.57	0.00	3528.57
MW - 2	10/27/09	3,561.14	-	32.64	0.00	3528.50
MW - 2	*11/02/09*	3,561.14	-	32.68	0.00	3528.46
MW - 2	11/05/09	3,561.14	-	32.61	0.00	3528.53
MW - 2	11/20/09	3,561.14	-	32.63	0.00	3528.51
MW - 2	12/04/09	3,561.14	-	32.65	0.00	3528.49
MW - 2	12/14/09	3,561.14	-	32.46	0.00	3528.68
MW - 2	01/07/10	3,561.14	-	32.76	0.00	3528.38
MW - 2	01/21/10	3,561.14	-	32.67	0.00	3528.47
MW - 2	*02/02/10*	3,561.14	-	32.79	0.00	3528.35
MW - 2	03/01/10	3,561.14	-	32.77	0.00	3528.37
MW - 2	03/16/10	3,561.14	-	32.67	0.00	3528.47
MW - 2	04/16/10	3,561.14	-	32.79	0.00	3528.35
MW - 2	*05/05/10*	3,561.14	-	32.74	0.00	3528.40
MW - 2	05/27/10	3,561.14	-	32.72	0.00	3528.42
MW - 2	06/07/10	3,561.14	-	32.88	0.00	3528.26
MW - 2	06/25/10	3,561.14	-	32.46	0.00	3528.68
MW - 2	07/16/10	3,561.14	-	32.76	0.00	3528.38

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 2
LEA COUNTY, NEW MEXICO
NMOCD Reference No. 1R-0110

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	07/30/10	3,561.14	-	32.69	0.00	3528.45
MW - 2	*08/04/10*	3,561.14	-	32.69	0.00	3528.45
MW - 2	08/20/10	3,561.14	-	32.58	0.00	3528.56
MW - 2	09/10/10	3,561.14	-	32.68	0.00	3528.46
MW - 2	09/24/10	3,561.14	-	32.53	0.00	3528.61
MW - 2	10/08/10	3,561.14	-	32.56	0.00	3528.58
MW - 2	*11/03/10*	3,561.14	-	32.73	0.00	3528.41
MW - 2	12/03/10	3,561.14	-	32.44	0.00	3528.70
MW - 2	12/16/10	3,561.14	-	32.61	0.00	3528.53
MW - 2	*02/08/11*	3,561.14	-	32.75	0.00	3528.39
MW - 2	*05/16/11*	3,561.14	-	32.75	0.00	3528.39
MW - 2	05/19/11	3,561.14	-	32.30	0.00	3528.84
MW - 2	05/27/11	3,561.14	-	32.41	0.00	3528.73
MW - 2	06/10/11	3,561.14	-	32.37	0.00	3528.77
MW - 2	06/24/11	3,561.14	-	32.41	0.00	3528.73
MW - 2	07/01/11	3,561.14	-	32.45	0.00	3528.69
MW - 2	07/22/11	3,561.14	-	32.43	0.00	3528.71
MW - 2	*08/09/11*	3,561.14	-	32.43	0.00	3528.71
MW - 2	08/15/11	3,561.14	-	32.84	0.00	3528.30
MW - 2	08/22/11	3,561.14	-	32.63	0.00	3528.51
MW - 2	09/12/11	3,561.14	-	32.82	0.00	3528.32
MW - 2	*10/31/11*	3,561.14	-	32.80	0.00	3528.34
MW - 3	04/30/97	3,558.35	-	26.47	0.00	3531.88
MW - 3	07/23/97	3,558.35	-	30.61	0.00	3527.74
MW - 3	10/07/97	3,558.35	-	30.74	0.00	3527.61
MW - 3	10/23/97	3,558.35	-	30.69	0.00	3527.66
MW - 3	12/03/97	3,558.35	-	30.74	0.00	3527.61
MW - 3	01/02/98	3,558.35	-	30.72	0.00	3527.63
MW - 3	01/07/98	3,558.35	-	30.71	0.00	3527.64
MW - 3	02/06/98	3,560.39	-	30.71	0.00	3529.68
MW - 3	03/04/98	3,560.39	-	30.69	0.00	3529.70
MW - 3	04/01/98	3,560.39	-	30.69	0.00	3529.70
MW - 3	02/28/00	3,560.39	-	31.80	0.00	3528.59
MW - 3	06/08/00	3,560.39	-	31.96	0.00	3528.43
MW - 3	09/18/00	3,560.39	-	32.18	0.00	3528.21
MW - 3	12/06/00	3,560.39	-	32.28	0.00	3528.11
MW - 3	03/08/01	3,560.39	-	32.24	0.00	3528.15
MW - 3	06/22/01	3,560.39	-	32.35	0.00	3528.04
MW - 3	09/18/01	3,560.39	-	32.56	0.00	3527.83
MW - 3	10/10/01	3,560.39	-	32.61	0.00	3527.78

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 2
LEA COUNTY, NEW MEXICO
NMOCD Reference No. 1R-0110

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 3	02/28/02	3,560.39	-	32.63	0.00	3527.76
MW - 3	05/16/02	3,560.39	-	32.68	0.00	3527.71
MW - 3	09/16/02	3,560.39	-	32.92	0.00	3527.47
MW - 3	12/12/02	3,560.39	-	33.09	0.00	3527.30
MW - 3	06/17/03	3,560.39	-	33.25	0.00	3527.14
MW - 3	09/05/03	3,560.39	-	33.41	0.00	3526.98
MW - 3	12/16/03	3,560.39	-	33.37	0.00	3527.02
MW - 3	03/08/04	3,560.39	-	33.61	0.00	3526.78
MW - 3	05/25/04	3,560.39	-	37.42	0.00	3522.97
MW - 3	08/31/04	3,560.39	-	33.66	0.00	3526.73
MW - 3	12/07/04	3,560.39	-	33.51	0.00	3526.88
MW - 3	12/13/04	3,560.39	-	32.45	0.00	3527.94
MW - 3	12/28/04	3,560.39	-	33.40	0.00	3526.99
MW - 3	*03/11/05*	3,560.39	-	32.15	0.00	3528.24
MW - 3	*06/14/05*	3,560.39	-	31.67	0.00	3528.72
MW - 3	*09/13/05*	3,560.39	-	31.41	0.00	3528.98
MW - 3	12/07/05	3,560.39	-	31.13	0.00	3529.26
MW - 3	*12/14/05*	3,560.39	-	31.09	0.00	3529.30
MW - 3	*03/14/06*	3,560.39	-	30.91	0.00	3529.48
MW - 3	*06/16/06*	3,560.39	-	30.93	0.00	3529.46
MW - 3	*09/05/06*	3,560.39	-	31.02	0.00	3529.37
MW - 3	*11/14/06*	3,560.39	-	30.78	0.00	3529.61
MW - 3	*02/13/07*	3,560.39	-	30.68	0.00	3529.71
MW - 3	*05/10/07*	3,560.39	-	30.51	0.00	3529.88
MW - 3	*08/20/07*	3,560.39	-	30.64	0.00	3529.75
MW - 3	*11/02/07*	3,560.39	-	30.64	0.00	3529.75
MW - 3	*02/06/08*	3,560.39	-	30.60	0.00	3529.79
MW - 3	*05/06/08*	3,560.39	-	30.68	0.00	3529.71
MW - 3	08/05/08	3,560.39	-	30.98	0.00	3529.41
MW - 3	*08/07/08*	3,560.39	-	30.98	0.00	3529.41
MW - 3	*11/04/08*	3,560.39	-	31.06	0.00	3529.33
MW - 3	*02/03/09*	3,560.39	-	31.02	0.00	3529.37
MW - 3	*05/06/09*	3,560.39	-	31.01	0.00	3529.38
MW - 3	*08/03/09*	3,560.39	-	31.33	0.00	3529.06
MW - 3	*11/02/09*	3,560.39	-	31.59	0.00	3528.80
MW - 3	01/07/10	3,560.39	-	31.57	0.00	3528.82
MW - 3	*02/02/10*	3,560.39	-	31.64	0.00	3528.75
MW - 3	*05/05/10*	3,560.39	-	31.62	0.00	3528.77
MW - 3	*08/04/10*	3,560.39	-	31.62	0.00	3528.77
MW - 3	*11/03/10*	3,560.39	-	31.61	0.00	3528.78
MW - 3	*02/08/11*	3,560.39	-	31.61	0.00	3528.78

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 2
LEA COUNTY, NEW MEXICO
NMOCD Reference No. 1R-0110

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 3	*05/16/11*	3,560.39	-	31.61	0.00	3528.78
MW - 3	*08/09/11*	3,560.39	-	31.58	0.00	3528.81
MW - 3	*10/31/11*	3,560.39	-	31.72	0.00	3528.67
MW - 4	09/17/97	3,559.03	-	31.87	0.00	3527.16
MW - 4	10/07/97	3,559.03	-	31.90	0.00	3527.13
MW - 4	10/23/97	3,559.03	-	31.85	0.00	3527.18
MW - 4	12/03/97	3,559.03	-	31.90	0.00	3527.13
MW - 4	01/02/98	3,559.03	-	31.87	0.00	3527.16
MW - 4	01/07/98	3,559.03	-	31.87	0.00	3527.16
MW - 4	02/06/98	3,561.08	-	31.84	0.00	3529.24
MW - 4	03/04/98	3,561.08	-	31.84	0.00	3529.24
MW - 4	04/01/98	3,561.08	-	31.87	0.00	3529.21
MW - 4	02/28/00	3,561.08	-	32.95	0.00	3528.13
MW - 4	06/08/00	3,561.08	-	33.13	0.00	3527.95
MW - 4	09/18/00	3,561.08	-	33.33	0.00	3527.75
MW - 4	12/06/00	3,561.08	-	33.45	0.00	3527.63
MW - 4	03/08/01	3,561.08	-	33.34	0.00	3527.74
MW - 4	06/22/01	3,561.08	-	33.50	0.00	3527.58
MW - 4	09/18/01	3,561.08	-	33.74	0.00	3527.34
MW - 4	10/10/01	3,561.08	-	33.80	0.00	3527.28
MW - 4	02/28/02	3,561.08	-	33.84	0.00	3527.24
MW - 4	05/16/02	3,561.08	-	33.83	0.00	3527.25
MW - 4	09/16/02	3,561.08	-	34.10	0.00	3526.98
MW - 4	12/12/02	3,561.08	-	34.28	0.00	3526.80
MW - 4	06/17/03	3,561.08	-	34.39	0.00	3526.69
MW - 4	09/05/03	3,561.08	-	34.59	0.00	3526.49
MW - 4	12/16/03	3,561.08	-	34.56	0.00	3526.52
MW - 4	03/08/04	3,561.08	-	34.77	0.00	3526.31
MW - 4	05/25/04	3,561.08	-	34.64	0.00	3526.44
MW - 4	08/31/04	3,561.08	-	34.77	0.00	3526.31
MW - 4	12/13/04	3,561.08	-	33.59	0.00	3527.49
MW - 4	*03/11/05*	3,561.08	-	33.37	0.00	3527.71
MW - 4	*06/14/05*	3,561.08	-	32.92	0.00	3528.16
MW - 4	*09/13/05*	3,561.08	-	32.68	0.00	3528.40
MW - 4	12/07/05	3,561.08	-	32.40	0.00	3528.68
MW - 4	*12/14/05*	3,561.08	-	32.36	0.00	3528.72
MW - 4	*03/14/06*	3,561.08	-	32.18	0.00	3528.90
MW - 4	*06/16/06*	3,561.08	-	32.21	0.00	3528.87
MW - 4	*09/05/06*	3,561.08	-	32.26	0.00	3528.82
MW - 4	10/24/06	3,561.08		32.10	0.00	3528.98

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 2
LEA COUNTY, NEW MEXICO
NMOCD Reference No. 1R-0110

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 4	*11/14/06*	3,561.08	-	32.03	0.00	3529.05
MW - 4	*02/13/07*	3,561.08	-	31.85	0.00	3529.23
MW - 4	*05/10/07*	3,561.08	-	31.74	0.00	3529.34
MW - 4	*08/20/07*	3,561.08	-	31.87	0.00	3529.21
MW - 4	*11/02/07*	3,561.08	-	31.87	0.00	3529.21
MW - 4	*02/06/08*	3,561.08	-	31.81	0.00	3529.27
MW - 4	*05/06/08*	3,561.08	-	31.87	0.00	3529.21
MW - 4	*08/07/08*	3,561.08	-	32.12	0.00	3528.96
MW - 4	*11/04/08*	3,561.08	-	32.22	0.00	3528.86
MW - 4	*02/03/09*	3,561.08	-	32.23	0.00	3528.85
MW - 4	*05/06/09*	3,561.08	-	32.19	0.00	3528.89
MW - 4	*08/03/09*	3,561.08	-	32.50	0.00	3528.58
MW - 4	*11/02/09*	3,561.08	-	32.76	0.00	3528.32
MW - 4	01/07/10	3,561.08	-	32.71	0.00	3528.37
MW - 4	*02/02/10*	3,561.08	-	32.83	0.00	3528.25
MW - 4	*05/05/10*	3,561.08	-	32.87	0.00	3528.21
MW - 4	*08/04/10*	3,561.08	-	32.87	0.00	3528.21
MW - 4	*11/03/10*	3,561.08	-	32.86	0.00	3528.22
MW - 4	*02/08/11*	3,561.08	-	32.61	0.00	3528.47
MW - 4	*05/16/11*	3,561.08	-	32.64	0.00	3528.44
MW - 4	*08/09/11*	3,561.08	-	32.64	0.00	3528.44
MW - 4	*10/31/11*	3,561.08	-	32.94	0.00	3528.14
MW - 5	09/17/97	3,558.16	-	30.68	0.00	3527.48
MW - 5	10/07/97	3,558.16	-	30.72	0.00	3527.44
MW - 5	10/23/97	3,558.16	-	30.65	0.00	3527.51
MW - 5	12/03/97	3,558.16	-	30.70	0.00	3527.46
MW - 5	01/02/98	3,558.16	-	30.68	0.00	3527.48
MW - 5	01/07/98	3,558.16	-	30.67	0.00	3527.49
MW - 5	02/06/98	3,560.20	-	30.66	0.00	3529.54
MW - 5	03/04/98	3,560.20	-	30.65	0.00	3529.55
MW - 5	04/01/98	3,560.20	-	30.68	0.00	3529.52
MW - 5	02/28/00	3,560.20	31.81	31.82	0.01	3528.39
MW - 5	06/08/00	3,560.20	31.98	32.00	0.02	3528.22
MW - 5	09/18/00	3,560.20	32.16	32.21	0.05	3528.03
MW - 5	12/06/00	3,560.20	32.32	32.33	0.01	3527.88
MW - 5	03/08/01	3,560.20	32.28	32.29	0.01	3527.92
MW - 5	06/22/01	3,560.20	32.43	32.44	0.01	3527.77
MW - 5	09/18/01	3,560.20	32.68	32.69	0.01	3527.52
MW - 5	10/10/01	3,560.20	32.6	32.68	0.08	3527.59
MW - 5	02/28/02	3,560.20	32.71	32.72	0.01	3527.49

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 2
LEA COUNTY, NEW MEXICO
NMOCD Reference No. 1R-0110

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 5	05/16/02	3,560.20	32.74	32.74	0.00	3527.46
MW - 5	09/16/02	3,560.20	33.02	33.02	0.00	3527.18
MW - 5	12/12/02	3,560.20	-	33.14	0.00	3527.06
MW - 5	06/17/03	3,560.20	-	33.40	0.00	3526.80
MW - 5	09/05/03	3,560.20	33.39	33.75	0.36	3526.76
MW - 5	12/16/03	3,560.20	33.52	33.87	0.35	3526.63
MW - 5	03/08/04	3,560.20	33.54	33.97	0.43	3526.60
MW - 5	05/25/04	3,560.20	33.43	33.69	0.26	3526.73
MW - 5	08/31/04	3,560.20	33.59	33.92	0.33	3526.56
MW - 5	09/13/04	3,560.20	33.6	34.02	0.42	3526.54
MW - 5	09/13/04	3,560.20	33.6	34.02	0.42	3526.54
MW - 5	09/21/04	3,560.20	33.64	33.94	0.30	3526.52
MW - 5	10/07/04	3,560.20	sheen	33.20	0.00	3527.00
MW - 5	10/14/04	3,560.20	sheen	32.85	0.00	3527.35
MW - 5	10/24/04	3,560.20	sheen	32.88	0.00	3527.32
MW - 5	10/28/04	3,560.20	sheen	32.81	0.00	3527.39
MW - 5	11/04/04	3,560.20	sheen	32.93	0.00	3527.27
MW - 5	11/11/04	3,560.20	sheen	32.93	0.00	3527.27
MW - 5	11/17/04	3,560.20	sheen	32.92	0.00	3527.28
MW - 5	11/30/04	3,560.20	sheen	32.64	0.00	3527.56
MW - 5	12/07/04	3,560.20	sheen	32.50	0.00	3527.70
MW - 5	12/13/04	3,560.20	-	32.46	0.00	3527.74
MW - 5	12/15/04	3,560.20	sheen	32.46	0.00	3527.74
MW - 5	12/28/04	3,560.20	sheen	32.43	0.00	3527.77
MW - 5	01/12/05	3,560.20	sheen	32.39	0.00	3527.81
MW - 5	01/19/05	3,560.20	sheen	32.36	0.00	3527.84
MW - 5	01/26/05	3,560.20	sheen	32.34	0.00	3527.86
MW - 5	02/01/05	3,560.20	sheen	32.33	0.00	3527.87
MW - 5	02/09/05	3,560.20	sheen	32.32	0.00	3527.88
MW - 5	02/16/05	3,560.20	sheen	32.29	0.00	3527.91
MW - 5	02/23/05	3,560.20	sheen	32.25	0.00	3527.95
MW - 5	03/02/05	3,560.20	sheen	32.23	0.00	3527.97
MW - 5	03/09/05	3,560.20	sheen	32.22	0.00	3527.98
MW - 5	*03/11/05*	3,560.20	sheen	32.20	0.00	3528.00
MW - 5	03/17/05	3,560.20	sheen	32.19	0.00	3528.01
MW - 5	03/23/05	3,560.20	sheen	32.19	0.00	3528.01
MW - 5	03/30/05	3,560.20	sheen	32.10	0.00	3528.10
MW - 5	04/06/05	3,560.20	sheen	32.08	0.00	3528.12
MW - 5	04/14/05	3,560.20	sheen	32.03	0.00	3528.17
MW - 5	05/24/05	3,560.20	sheen	31.81	0.00	3528.39
MW - 5	*06/14/05*	3,560.20	sheen	31.68	0.00	3528.52

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 2
LEA COUNTY, NEW MEXICO
NMOCD Reference No. 1R-0110

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 5	06/22/05	3,560.20	sheen	31.69	0.00	3528.51
MW - 5	07/28/05	3,560.20	sheen	31.59	0.00	3528.61
MW - 5	08/24/05	3,560.20	sheen	31.51	0.00	3528.69
MW - 5	*09/13/05*	3,560.20	31.39	31.40	0.01	3528.81
MW - 5	09/30/05	3,560.20	-	31.35	0.00	3528.85
MW - 5	10/28/05	3,560.20	sheen	31.31	0.00	3528.89
MW - 5	11/17/05	3,560.20	sheen	31.22	0.00	3528.98
MW - 5	12/07/05	3,560.20	-	31.15	0.00	3529.05
MW - 5	*12/14/05*	3,560.20	sheen	31.12	0.00	3529.08
MW - 5	12/30/05	3,560.20	sheen	31.10	0.00	3529.10
MW - 5	01/18/06	3,560.20	sheen	31.06	0.00	3529.14
MW - 5	02/17/06	3,560.20	sheen	31.00	0.00	3529.20
MW - 5	*03/14/06*	3,560.20	sheen	30.92	0.00	3529.28
MW - 5	03/24/06	3,560.20	sheen	30.95	0.00	3529.25
MW - 5	04/19/06	3,560.20	sheen	30.86	0.00	3529.34
MW - 5	05/24/06	3,560.20	sheen	30.88	0.00	3529.32
MW - 5	*06/16/06*	3,560.20	-	30.96	0.00	3529.24
MW - 5	07/12/06	3,560.20	sheen	31.04	0.00	3529.16
MW - 5	08/10/06	3,560.20	-	31.09	0.00	3529.11
MW - 5	*09/05/06*	3,560.20	-	31.04	0.00	3529.16
MW - 5	09/17/06	3,560.20	-	30.99	0.00	3529.21
MW - 5	10/03/06	3,560.20	sheen	31.04	0.00	3529.16
MW - 5	10/24/06	3,560.20	sheen	30.90	0.00	3529.30
MW - 5	*11/14/06*	3,560.20	30.8	30.81	0.01	3529.40
MW - 5	11/16/06	3,560.20	sheen	30.84	0.00	3529.36
MW - 5	*02/13/07*	3,560.20	sheen	30.62	0.00	3529.58
MW - 5	*05/10/07*	3,560.20	-	30.53	0.00	3529.67
MW - 5	*08/20/07*	3,560.20	-	30.63	0.00	3529.57
MW - 5	*11/02/07*	3,560.20	-	30.63	0.00	3529.57
MW - 5	*02/06/08*	3,560.20	-	30.63	0.00	3529.57
MW - 5	*05/06/08*	3,560.20	-	30.65	0.00	3529.55
MW - 5	*08/07/08*	3,560.20	-	30.94	0.00	3529.26
MW - 5	09/12/08	3,560.20	-	31.04	0.00	3529.16
MW - 5	09/30/08	3,560.20	-	31.05	0.00	3529.15
MW - 5	10/07/08	3,560.20	-	31.09	0.00	3529.11
MW - 5	10/15/08	3,560.20	-	31.14	0.00	3529.06
MW - 5	10/22/08	3,560.20	-	31.12	0.00	3529.08
MW - 5	10/31/08	3,560.20	-	31.09	0.00	3529.11
MW - 5	*11/04/08*	3,560.20	-	31.05	0.00	3529.15
MW - 5	*11/07/08*	3,560.20	-	31.95	0.00	3528.25
MW - 5	11/14/08	3,560.20	-	31.15	0.00	3529.05

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 2
LEA COUNTY, NEW MEXICO
NMOCD Reference No. 1R-0110

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 5	11/21/08	3,560.20	-	31.70	0.00	3528.50
MW - 5	11/24/08	3,560.20	-	31.01	0.00	3529.19
MW - 5	12/03/08	3,560.20	-	30.99	0.00	3529.21
MW - 5	12/16/08	3,560.20	-	30.99	0.00	3529.21
MW - 5	01/07/09	3,560.20	-	31.02	0.00	3529.18
MW - 5	01/16/09	3,560.20	-	31.01	0.00	3529.19
MW - 5	01/29/09	3,560.20	-	30.99	0.00	3529.21
MW - 5	*02/03/09*	3,560.20	-	31.01	0.00	3529.19
MW - 5	02/09/09	3,560.20	-	30.97	0.00	3529.23
MW - 5	02/17/09	3,560.20	-	30.95	0.00	3529.25
MW - 5	02/26/09	3,560.20	-	30.97	0.00	3529.23
MW - 5	03/02/09	3,560.20	-	30.96	0.00	3529.24
MW - 5	03/05/09	3,560.20	-	31.02	0.00	3529.18
MW - 5	03/09/09	3,560.20	-	31.05	0.00	3529.15
MW - 5	03/16/09	3,560.20	-	30.99	0.00	3529.21
MW - 5	03/18/09	3,560.20	-	31.06	0.00	3529.14
MW - 5	03/25/09	3,560.20	-	31.07	0.00	3529.13
MW - 5	03/27/09	3,560.20	-	31.00	0.00	3529.20
MW - 5	03/30/09	3,560.20	-	30.98	0.00	3529.22
MW - 5	04/06/09	3,560.20	-	31.04	0.00	3529.16
MW - 5	04/13/09	3,560.20	-	31.01	0.00	3529.19
MW - 5	04/16/09	3,560.20	-	30.99	0.00	3529.21
MW - 5	04/20/09	3,560.20	-	31.03	0.00	3529.17
MW - 5	04/23/09	3,560.20	-	31.00	0.00	3529.20
MW - 5	04/27/09	3,560.20	-	30.99	0.00	3529.21
MW - 5	04/30/09	3,560.20	-	31.04	0.00	3529.16
MW - 5	*05/06/09*	3,560.20	-	31.00	0.00	3529.20
MW - 5	05/21/09	3,560.20	-	31.05	0.00	3529.15
MW - 5	05/27/09	3,560.20	-	31.08	0.00	3529.12
MW - 5	06/04/09	3,560.20	-	31.12	0.00	3529.08
MW - 5	06/08/09	3,560.20	-	31.14	0.00	3529.06
MW - 5	06/11/09	3,560.20	-	31.03	0.00	3529.17
MW - 5	06/16/09	3,560.20	-	31.12	0.00	3529.08
MW - 5	06/22/09	3,560.20	-	31.18	0.00	3529.02
MW - 5	06/29/09	3,560.20	-	31.13	0.00	3529.07
MW - 5	07/02/09	3,560.20	-	31.19	0.00	3529.01
MW - 5	07/10/09	3,560.20	-	31.22	0.00	3528.98
MW - 5	07/15/09	3,560.20	-	31.14	0.00	3529.06
MW - 5	07/21/09	3,560.20	-	31.28	0.00	3528.92
MW - 5	07/29/09	3,560.20	-	31.13	0.00	3529.07
MW - 5	07/30/09	3,560.20	-	31.28	0.00	3528.92

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 2
LEA COUNTY, NEW MEXICO
NMOCD Reference No. 1R-0110

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 5	*08/03/09*	3,560.20	-	31.33	0.00	3528.87
MW - 5	08/05/09	3,560.20	-	31.25	0.00	3528.95
MW - 5	08/07/09	3,560.20	-	31.33	0.00	3528.87
MW - 5	08/10/09	3,560.20	-	31.32	0.00	3528.88
MW - 5	08/19/09	3,560.20	-	31.35	0.00	3528.85
MW - 5	08/27/09	3,560.20	-	31.39	0.00	3528.81
MW - 5	08/31/09	3,560.20	-	31.40	0.00	3528.80
MW - 5	09/11/09	3,560.20	-	31.46	0.00	3528.74
MW - 5	09/17/09	3,560.20	-	31.47	0.00	3528.73
MW - 5	09/24/09	3,560.20	-	31.49	0.00	3528.71
MW - 5	09/29/09	3,560.20	-	31.54	0.00	3528.66
MW - 5	09/30/09	3,560.20	-	31.47	0.00	3528.73
MW - 5	10/06/09	3,560.20	-	31.56	0.00	3528.64
MW - 5	10/20/09	3,560.20	-	31.51	0.00	3528.69
MW - 5	10/27/09	3,560.20	-	32.57	0.00	3527.63
MW - 5	*11/02/09*	3,560.20	-	31.63	0.00	3528.57
MW - 5	11/05/09	3,560.20	-	31.55	0.00	3528.65
MW - 5	11/20/09	3,560.20	-		0.00	3560.20
MW - 5	12/04/09	3,560.20	-		0.00	3560.20
MW - 5	12/14/09	3,560.20	-	32.43	0.00	3527.77
MW - 5	01/07/10	3,560.20	-	31.61	0.00	3528.59
MW - 5	*02/02/10*	3,560.20	-	31.68	0.00	3528.52
MW - 5	03/01/10	3,560.20	-	31.71	0.00	3528.49
MW - 5	03/16/10	3,560.20	-	31.66	0.00	3528.54
MW - 5	04/16/10	3,560.20	-	31.72	0.00	3528.48
MW - 5	*05/05/10*	3,560.20	-	31.69	0.00	3528.51
MW - 5	06/07/10	3,560.20	-	31.79	0.00	3528.41
MW - 5	06/25/10	3,560.20	-	31.39	0.00	3528.81
MW - 5	*08/04/10*	3,560.20	-	31.70	0.00	3528.50
MW - 5	09/10/10	3,560.20	-	31.71	0.00	3528.49
MW - 5	*11/03/10*	3,560.20	-	31.71	0.00	3528.49
MW - 5	*02/08/11*	3,560.20	-	31.72	0.00	3528.48
MW - 5	*05/16/11*	3,560.20	-	31.74	0.00	3528.46
MW - 5	*08/09/11*	3,560.20	-	31.62	0.00	3528.58
MW - 5	*10/31/11*	3,560.20	-	31.71	0.00	3528.49
MW - 6	02/06/98	3,560.32	-	30.91	0.00	3529.41
MW - 6	03/04/98	3,560.32	-	30.86	0.00	3529.46
MW - 6	04/01/98	3,560.32	-	30.92	0.00	3529.40
MW - 6	02/28/00	3,560.32	-	32.05	0.00	3528.27
MW - 6	06/08/00	3,560.32	-	32.22	0.00	3528.10

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 2
LEA COUNTY, NEW MEXICO
NMOCD Reference No. 1R-0110

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 6	09/18/00	3,560.32	-	32.44	0.00	3527.88
MW - 6	12/06/00	3,560.32	-	32.53	0.00	3527.79
MW - 6	03/08/01	3,560.32	-	32.44	0.00	3527.88
MW - 6	06/22/01	3,560.32	-	32.63	0.00	3527.69
MW - 6	09/18/01	3,560.32	-	32.84	0.00	3527.48
MW - 6	10/10/01	3,560.32	-	32.89	0.00	3527.43
MW - 6	02/28/02	3,560.32	-	32.89	0.00	3527.43
MW - 6	05/16/02	3,560.32	-	32.97	0.00	3527.35
MW - 6	09/16/02	3,560.32	-	33.20	0.00	3527.12
MW - 6	12/02/02	3,560.32	-	33.38	0.00	3526.94
MW - 6	06/17/03	3,560.32	-	33.47	0.00	3526.85
MW - 6	09/05/03	3,560.32	-	33.69	0.00	3526.63
MW - 6	12/16/03	3,560.32	-	33.65	0.00	3526.67
MW - 6	03/08/04	3,560.32	-	33.86	0.00	3526.46
MW - 6	05/25/04	3,560.32	-	33.74	0.00	3526.58
MW - 6	08/31/04	3,560.32	-	33.91	0.00	3526.41
MW - 6	12/13/04	3,560.32	-	32.75	0.00	3527.57
MW - 6	*03/11/05*	3,560.32	-	32.61	0.00	3527.71
MW - 6	*06/14/05*	3,560.32	could not access well			
MW - 6	*09/13/05*	3,560.32	-	31.71	0.00	3528.61
MW - 6	12/07/05	3,560.32	-	31.43	0.00	3528.89
MW - 6	*12/14/05*	3,560.32	-	31.40	0.00	3528.92
MW - 6	*03/14/06*	3,560.32	-	31.21	0.00	3529.11
MW - 6	*06/16/06*	3,560.32	-	30.24	0.00	3530.08
MW - 6	*09/05/06*	3,560.32	-	31.29	0.00	3529.03
MW - 6	*11/14/06*	3,560.32	-	31.06	0.00	3529.26
MW - 6	*02/13/07*	3,560.32	-	30.97	0.00	3529.35
MW - 6	*05/10/07*	3,560.32	-	30.82	0.00	3529.50
MW - 6	*08/20/07*	3,560.32	-	30.92	0.00	3529.40
MW - 6	*11/02/07*	3,560.32	-	30.89	0.00	3529.43
MW - 6	*02/06/08*	3,560.32	-	30.89	0.00	3529.43
MW - 6	*05/06/08*	3,560.32	-	30.90	0.00	3529.42
MW - 6	*08/07/08*	3,560.32	-	31.22	0.00	3529.10
MW - 6	*11/04/08*	3,560.32	-	31.27	0.00	3529.05
MW - 6	*02/03/09*	3,560.32	-	31.24	0.00	3529.08
MW - 6	*05/06/09*	3,560.32	-	31.24	0.00	3529.08
MW - 6	*08/03/09*	3,560.32	-	31.54	0.00	3528.78
MW - 6	*11/02/09*	3,560.32	-	31.82	0.00	3528.50
MW - 6	01/07/10	3,560.32	-	31.79	0.00	3528.53
MW - 6	*02/02/10*	3,560.32	-	31.89	0.00	3528.43
MW - 6	*05/05/10*	3,560.32	-	31.83	0.00	3528.49

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 2
LEA COUNTY, NEW MEXICO
NMOCD Reference No. 1R-0110

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 6	*08/04/10*	3,560.32	-	31.82	0.00	3528.50
MW - 6	*11/03/10*	3,560.32	-	31.85	0.00	3528.47
MW - 6	*02/08/11*	3,560.32	-	31.87	0.00	3528.45
MW - 6	*05/16/11*	3,560.32	-	31.85	0.00	3528.47
MW - 6	*08/09/11*	3,560.32	-	31.84	0.00	3528.48
MW - 6	*10/31/11*	3,560.32	-	31.97	0.00	3528.35
MW - 7	02/06/98	3,561.07	-	31.62	0.00	3529.45
MW - 7	03/04/98	3,561.07	-	31.60	0.00	3529.47
MW - 7	04/01/98	3,561.07	-	31.63	0.00	3529.44
MW - 7	02/28/00	3,561.07	-	32.71	0.00	3528.36
MW - 7	06/08/00	3,561.07	-	32.83	0.00	3528.24
MW - 7	09/18/00	3,561.07	-	33.08	0.00	3527.99
MW - 7	12/06/00	3,561.07	-	33.19	0.00	3527.88
MW - 7	03/08/01	3,561.07	-	33.10	0.00	3527.97
MW - 7	06/22/01	3,561.07	-	33.25	0.00	3527.82
MW - 7	09/18/01	3,561.07	-	33.48	0.00	3527.59
MW - 7	10/10/01	3,561.07	-	33.54	0.00	3527.53
MW - 7	02/28/02	3,561.07	-	33.54	0.00	3527.53
MW - 7	05/16/02	3,561.07	-	33.57	0.00	3527.50
MW - 7	09/16/02	3,561.07	-	33.85	0.00	3527.22
MW - 7	12/12/02	3561.07	-	34.00	0.00	3527.07
MW - 7	12/16/03	3561.07	-	34.46	0.00	3526.61
MW - 7	03/08/04	3561.07	-	34.50	0.00	3526.57
MW - 7	05/25/04	3561.07	-	34.37	0.00	3526.70
MW - 7	08/31/04	3561.07	-	34.56	0.00	3526.51
MW - 7	12/13/04	3561.07	-	33.30	0.00	3527.77
MW - 7	*03/11/05*	3561.07	-	33.06	0.00	3528.01
MW - 7	*06/14/05*	3,561.07	-	32.62	0.00	3528.45
MW - 7	*09/13/05*	3,561.07	-	32.37	0.00	3528.70
MW - 7	12/07/05	3,561.07	-	32.10	0.00	3528.97
MW - 7	*12/14/05*	3,561.07	-	32.07	0.00	3529.00
MW - 7	*03/14/06*	3,561.07	-	31.89	0.00	3529.18
MW - 7	*06/16/06*	3,561.07	-	31.92	0.00	3529.15
MW - 7	*09/05/06*	3,561.07	-	31.98	0.00	3529.09
MW - 7	*11/14/06*	3,561.07	-	31.75	0.00	3529.32
MW - 7	*02/13/07*	3,561.07	-	31.66	0.00	3529.41
MW - 7	*05/10/07*	3,561.07	-	31.54	0.00	3529.53
MW - 7	*08/20/07*	3,561.07	-	31.61	0.00	3529.46
MW - 7	*11/02/07*	3,561.07	-	31.61	0.00	3529.46
MW - 7	*02/06/08*	3,561.07	-	31.58	0.00	3529.49

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 2
LEA COUNTY, NEW MEXICO
NMOCD Reference No. 1R-0110

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 7	*05/06/08*	3,561.07	-	31.62	0.00	3529.45
MW - 7	*08/07/08*	3,561.07	-	31.94	0.00	3529.13
MW - 7	*11/04/08*	3,561.07	-	31.99	0.00	3529.08
MW - 7	*02/03/09*	3,561.07	-	31.95	0.00	3529.12
MW - 7	*05/06/09*	3,561.07	-	31.93	0.00	3529.14
MW - 7	*08/03/09*	3,561.07	-	32.25	0.00	3528.82
MW - 7	*11/02/09*	3,561.07	-	32.54	0.00	3528.53
MW - 7	01/07/10	3,561.07	-	32.53	0.00	3528.54
MW - 7	*02/02/10*	3,561.07	-	32.61	0.00	3528.46
MW - 7	*05/05/10*	3,561.07	-	32.63	0.00	3528.44
MW - 7	*08/04/10*	3,561.07	-	32.63	0.00	3528.44
MW - 7	*11/03/10*	3,561.07	-	32.62	0.00	3528.45
MW - 7	*02/08/11*	3,561.07	-	32.86	0.00	3528.21
MW - 7	*05/16/11*	3,561.07	-	32.89	0.00	3528.18
MW - 7	*08/09/11*	3,561.07	-	32.91	0.00	3528.16
MW - 7	*10/31/11*	3,561.07	-	32.67	0.00	3528.40
MW - 8	11/08/04	3561.07	-	33.84	0.00	3527.23
MW - 8	11/10/04	3,561.07	-	33.83	0.00	3527.24
MW - 8	11/17/04	3,561.07	33.82	33.88	0.06	3527.24
MW - 8	12/15/04	3,561.07	sheen	33.51	0.00	3527.56

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

MONUMENT 2

LEA COUNTY, NEW MEXICO

NMOCD Reference No. 1R-0110

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY LIMIT		0.01	0.750	0.750	0.620	
MW - 1	05/02/97	ND	ND	ND	ND	
MW - 1	05/09/97	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 1	07/23/97	ND	ND	ND	0.0010	
MW - 1	10/07/97	ND	ND	ND	ND	
MW - 1	10/10/97	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 1	01/07/98	ND	ND	ND	ND	
MW - 1	04/01/98	ND	ND	ND	ND	
MW - 1	09/08/99	0.002	0.0010	<0.001	<0.001	0.004
MW - 1	02/28/00	0.001	0.0010	<0.001	<0.001	<0.001
MW - 1	06/08/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	09/18/00	0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	12/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	03/08/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	06/22/01	<0.005	<0.005	<0.005	<0.005	
MW - 1	09/18/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	10/10/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	02/28/02	0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	05/16/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	09/16/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	12/12/02	**0.011**	<0.001	0.002	<0.001	<0.001
MW - 1	06/17/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	09/05/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	12/16/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 1	03/08/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 1	05/25/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 1	08/31/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 1	12/13/04	<0.001	<0.001	<0.001	<0.001	
MW - 1	03/11/05	<0.001	<0.001	<0.001	<0.001	
MW - 1	06/14/05	<0.001	<0.001	<0.001	<0.001	
MW - 1	09/13/05	Not Sampled on Current Sample Schedule				
MW - 1	12/14/05	<0.005	<0.005	<0.005	<0.005	
MW - 1	03/14/06	Not Sampled on Current Sample Schedule				
MW - 1	06/16/06	Not Sampled on Current Sample Schedule				
MW - 1	09/05/06	Not Sampled on Current Sample Schedule				
MW - 1	11/14/06	<0.001	<0.001	<0.001	<0.001	
MW - 1	02/13/07	Not Sampled on Current Sample Schedule				
MW - 1	05/10/07	Not Sampled on Current Sample Schedule				
MW - 1	08/20/07	Not Sampled on Current Sample Schedule				
MW - 1	11/02/07	<0.001	<0.001	<0.001	0.0010	
MW - 1	02/06/08	Not Sampled on Current Sample Schedule				
MW - 1	05/06/08	Not Sampled on Current Sample Schedule				

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

MONUMENT 2

LEA COUNTY, NEW MEXICO

NMOCD Reference No. 1R-0110

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 1	08/07/08	Not Sampled on Current Sample Schedule				
MW - 1	11/04/08	<0.001	<0.001	0.00120	<0.001	
MW - 1	02/03/09	Not Sampled on Current Sample Schedule				
MW - 1	05/06/09	Not Sampled on Current Sample Schedule				
MW - 1	08/03/09	Not Sampled on Current Sample Schedule				
MW - 1	11/12/09	<0.001	<0.001	<0.001	<0.001	
MW - 1	02/02/10	Not Sampled on Current Sample Schedule				
MW - 1	05/05/10	Not Sampled on Current Sample Schedule				
MW - 1	08/04/10	Not Sampled on Current Sample Schedule				
MW - 1	11/03/10	<0.001	<0.001	<0.001	<0.001	
MW - 1	02/08/11	Not Sampled on Current Sample Schedule				
MW - 1	05/16/11	Not Sampled on Current Sample Schedule				
MW - 1	08/09/11	Not Sampled on Current Sample Schedule				
MW - 1	10/31/11	<0.001	<0.001	<0.001	<0.001	
MW - 2	12/13/04	<0.005	<0.005	<0.005	<0.005	
MW - 2	03/11/05	**0.031**	<0.005	0.038	0.0633	
MW - 2	06/14/05	**0.047**	0.0056	0.063	0.0719	
MW - 2	09/13/05	Not Sampled				
MW - 2	12/14/05	**0.0102**	<0.005	0.080	0.0726	
MW - 2	03/14/06	**0.0134**	<0.01	0.075	0.0547	
MW - 2	06/16/06	**0.0275**	<0.02	0.077	0.0430	
MW - 2	09/05/06	**0.0124**	0.0031	0.110	0.0731	
MW - 2	11/14/06	<0.001	0.0019	0.098	0.0731	
MW - 2	02/13/07	**0.0160**	0.0464	0.143	0.3500	
MW - 2	05/10/07	<0.001	<0.001	0.027	0.0142	
MW - 2	08/20/07	**0.0214**	<0.001	0.111	0.0887	
MW - 2	11/02/07	<0.005	<0.005	0.115	0.0833	
MW - 2	02/06/08	**0.0103**	0.0054	0.105	0.0859	
MW - 2	05/06/08	**0.0352**	<0.005	0.127	0.0861	
MW - 2	08/07/08	<0.005	<0.005	0.0819	0.0509	
MW - 2	11/04/08	**0.0143**	<0.0100	0.0861	0.0500	
MW - 2	05/06/09	**0.0170**	0.0133	0.1150	0.0719	
MW - 2	08/03/09	**0.0095**	0.0076	0.1030	0.0568	
MW - 2	11/02/09	**0.0101**	<0.010	0.0818	0.0388	
MW - 2	05/05/10	**0.0141**	<0.005	0.0743	0.0420	
MW - 2	08/04/10	<0.001	0.0148	0.1190	0.0586	
MW - 2	11/03/10	**0.0109**	0.0040	0.0821	0.0291	
MW - 2	02/08/11	**0.0142**	<0.001	0.0828	0.0395	
MW - 2	05/06/11	**0.0150**	<0.001	0.0726	0.0335	
MW - 2	08/09/11	**0.0148**	<0.001	0.1030	0.0287	
MW - 2	10/31/11	0.0090	<0.001	0.0727	0.0156	
MW - 3	05/02/97	ND	ND	ND	ND	

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

MONUMENT 2

LEA COUNTY, NEW MEXICO

NMOCD Reference No. 1R-0110

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 3	05/09/97	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 3	07/23/97	ND	ND	ND	ND	
MW - 3	10/07/97	ND	ND	ND	ND	
MW - 3	10/10/97	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 3	01/07/98	ND	ND	ND	ND	
MW - 3	04/01/98	ND	ND	ND	ND	
MW - 3	09/08/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	02/28/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	06/08/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	09/18/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	12/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	03/08/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	06/22/01	<0.005	<0.005	<0.005	<0.005	
MW - 3	09/18/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	10/10/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	02/28/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	05/16/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	09/16/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	12/12/02	**0.020**	<0.001	0.002	<0.001	<0.001
MW - 3	06/17/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	09/05/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	12/16/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 3	03/08/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 3	05/25/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 3	08/31/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 3	12/13/04	<0.001	<0.001	<0.001	<0.001	
MW - 3	03/11/05	<0.001	<0.001	<0.001	<0.001	
MW - 3	06/14/05	<0.001	<0.001	<0.001	<0.001	
MW - 3	09/13/05	Not Sampled on Current Sample Schedule				
MW - 3	12/14/05	<0.001	<0.001	<0.001	<0.001	
MW - 3	03/14/06	Not Sampled on Current Sample Schedule				
MW - 3	06/16/06	Not Sampled on Current Sample Schedule				
MW - 3	09/05/06	Not Sampled on Current Sample Schedule				
MW - 3	11/14/06	<0.001	<0.001	<0.001	<0.001	
MW - 3	02/13/07	Not Sampled on Current Sample Schedule				
MW - 3	05/10/07	Not Sampled on Current Sample Schedule				
MW - 3	08/20/07	Not Sampled on Current Sample Schedule				
MW - 3	11/02/07	**0.114**	0.0123	0.004	0.0167	
MW - 3	02/06/08	**0.0931**	<0.005	0.006	0.0107	
MW - 3	05/06/08	**0.0146**	<0.001	<0.001	0.0018	
MW - 3	08/07/08	0.0095	<0.001	<0.001	<0.001	
MW - 3	11/04/08	0.0012	<0.001	<0.001	<0.001	
MW - 3	02/03/09	<0.001	<0.001	<0.001	0.0011	
MW - 3	05/06/09	<0.001	<0.001	<0.001	<0.001	

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

MONUMENT 2

LEA COUNTY, NEW MEXICO

NMOCD Reference No. 1R-0110

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 3	08/03/09	<0.001	<0.001	<0.001	<0.001	
MW - 3	11/12/09	<0.001	<0.001	<0.001	<0.001	
MW - 3	02/02/10	<0.001	<0.001	<0.001	<0.001	
MW - 3	05/05/10	<0.001	<0.001	<0.001	<0.001	
MW - 3	08/04/10	<0.001	<0.001	<0.001	<0.001	
MW - 3	11/03/10	<0.001	<0.001	<0.001	<0.001	
MW - 3	02/08/11	<0.001	<0.001	<0.001	<0.001	
MW - 3	05/16/11	<0.001	<0.001	<0.001	<0.001	
MW - 3	08/09/11	<0.001	<0.001	<0.001	<0.001	
MW - 3	10/31/11	<0.001	<0.001	<0.001	<0.001	
MW - 4	09/17/97	ND	ND	ND	ND	
MW - 4	09/26/97	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 4	10/07/97	ND	ND	ND	ND	
MW - 4	10/10/97	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 4	01/07/98	ND	ND	ND	ND	
MW - 4	04/01/98	ND	ND	ND	ND	
MW - 4	09/08/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	02/28/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	06/08/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	09/18/00	0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	12/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	03/08/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	06/22/01	<0.005	<0.005	<0.005	<0.005	
MW - 4	09/18/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	10/10/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	02/28/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	05/16/02	<0.01	<0.001	<0.001	<0.001	<0.001
MW - 4	09/16/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	12/12/02	0.003	<0.001	<0.001	<0.001	<0.001
MW - 4	06/17/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	09/05/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	12/16/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 4	03/08/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 4	12/13/04	<0.001	<0.001	<0.001	<0.001	
MW - 4	03/11/05	Not Sampled on Current Sample Schedule				
MW - 4	06/14/05	<0.001	<0.001	0.002	<0.001	
MW - 4	09/13/05	Not Sampled on Current Sample Schedule				
MW - 4	12/14/05	<0.001	<0.001	0.002	<0.001	
MW - 4	03/14/06	Not Sampled on Current Sample Schedule				
MW - 4	06/16/06	<0.001	<0.001	0.001	<0.001	
MW - 4	09/05/06	Not Sampled on Current Sample Schedule				
MW - 4	11/14/06	<0.001	<0.001	<0.001	<0.001	
MW - 4	02/13/07	Not Sampled on Current Sample Schedule				

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

MONUMENT 2

LEA COUNTY, NEW MEXICO

NMOCD Reference No. 1R-0110

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 4	05/10/07	<0.001	<0.001	<0.001	<0.001	
MW - 4	08/20/07	Not Sampled on Current Sample Schedule				
MW - 4	11/02/07	<0.001	<0.001	<0.001	<0.001	
MW - 4	02/06/08	Not Sampled on Current Sample Schedule				
MW - 4	05/06/08	<0.001	<0.001	<0.001	<0.001	
MW - 4	08/07/08	Not Sampled on Current Sample Schedule				
MW - 4	11/04/08	<0.001	<0.001	<0.001	<0.001	
MW - 4	02/03/09	Not Sampled on Current Sample Schedule				
MW - 4	05/06/09	<0.001	<0.001	<0.001	<0.001	
MW - 4	08/03/09	Not Sampled on Current Sample Schedule				
MW - 4	11/12/09	<0.001	<0.001	<0.001	<0.001	
MW - 4	02/02/10	Not Sampled on Current Sample Schedule				
MW - 4	05/05/10	<0.001	<0.001	<0.001	<0.001	
MW - 4	08/04/10	Not Sampled on Current Sample Schedule				
MW - 4	11/03/10	<0.001	<0.001	<0.001	<0.001	
MW - 4	02/08/11	Not Sampled on Current Sample Schedule				
MW - 4	05/16/11	<0.001	<0.001	<0.001	<0.001	
MW - 4	08/09/11	Not Sampled on Current Sample Schedule				
MW - 4	10/31/11	<0.001	<0.001	<0.001	<0.001	
MW - 5	09/17/97	0.002	ND	0.002	0.0050	
MW - 5	09/26/97	0.002	<0.001	0.002	0.0030	0.002
MW - 5	10/07/97	0.011	0.0040	0.015	0.0470	
MW - 5	10/10/97	0.011	0.0040	0.015	0.0370	0.010
MW - 5	01/07/98	0.013	ND	0.030	0.0420	
MW - 5	04/01/98	0.011	0.0050	0.050	0.0360	
MW - 5	12/12/02	<0.001	<0.001	0.001	0.0020	<0.001
MW - 5	12/13/04	<0.005	0.00640	0.072	0.1120	
MW - 5	03/11/05	<0.005	<0.005	0.00790	<0.005	
MW - 5	06/14/05	<0.005	<0.005	0.00510	<0.005	
MW - 5	09/13/05	Not Sampled				
MW - 5	12/14/05	<0.001	<0.001	0.007	<0.001	
MW - 5	03/14/06	<0.005	<0.005	0.007	<0.005	
MW - 5	06/16/06	<0.001	<0.001	0.007	<0.001	
MW - 5	09/05/06	<0.001	<0.001	0.004	0.0028	
MW - 5	11/14/06	<0.001	<0.001	0.006	<0.001	
MW - 5	02/13/07	<0.001	<0.001	0.004	0.0035	
MW - 5	05/10/07	<0.001	<0.001	0.002	<0.001	
MW - 5	08/20/07	**0.020**	<0.001	<0.001	<0.001	
MW - 5	11/02/07	0.0031	<0.001	<0.001	<0.001	
MW - 5	02/06/08	**0.0115**	<0.005	<0.005	<0.005	
MW - 5	05/06/08	**0.0155**	<0.001	<0.001	<0.001	
MW - 5	08/07/08	<0.005	<0.005	<0.005	<0.005	
MW - 5	11/04/08	0.0015	<0.001	<0.001	<0.001	

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

MONUMENT 2

LEA COUNTY, NEW MEXICO

NMOCD Reference No. 1R-0110

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 5	02/03/09	0.0011	<0.001	<0.001	<0.001	
MW - 5	05/06/09	<0.001	<0.001	<0.001	<0.001	
MW - 5	08/03/09	<0.001	<0.001	<0.001	<0.001	
MW - 5	11/02/09	<0.001	<0.001	<0.001	<0.001	
MW - 5	02/02/10	<0.001	<0.001	<0.001	<0.001	
MW - 5	05/05/10	<0.001	<0.001	<0.001	<0.001	
MW - 5	08/04/10	<0.001	<0.001	<0.001	<0.001	
MW - 5	11/03/10	<0.001	<0.001	<0.001	<0.001	
MW - 5	02/08/11	<0.001	<0.001	<0.001	<0.001	
MW - 5	05/16/11	<0.001	<0.001	<0.001	<0.001	
MW - 5	08/09/11	<0.001	<0.001	<0.001	<0.001	
MW - 5	10/31/11	<0.001	<0.001	<0.001	<0.001	
MW - 6	04/01/98	ND	ND	ND	ND	
MW - 6	09/08/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	02/28/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	06/08/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	09/18/00	0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	12/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	03/08/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	06/22/01	<0.005	<0.005	<0.005	<0.005	
MW - 6	09/18/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	10/10/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	02/28/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	05/16/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	09/16/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	12/12/02	0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	06/17/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	09/05/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	12/16/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 6	03/08/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 6	12/13/04	<0.001	<0.001	<0.001	<0.001	
MW - 6	03/11/05	Not Sampled on Current Sample Schedule				
MW - 6	06/14/05	Not Sampled on Current Sample Schedule				
MW - 6	09/13/05	Not Sampled on Current Sample Schedule				
MW - 6	12/14/05	<0.001	<0.001	<0.001	<0.001	
MW - 6	03/14/06	Not Sampled on Current Sample Schedule				
MW - 6	06/16/06	Not Sampled on Current Sample Schedule				
MW - 6	09/05/06	Not Sampled on Current Sample Schedule				
MW - 6	11/14/06	<0.001	<0.001	<0.001	<0.001	
MW - 6	02/13/07	Not Sampled on Current Sample Schedule				
MW - 6	05/10/07	Not Sampled on Current Sample Schedule				
MW - 6	08/20/07	Not Sampled on Current Sample Schedule				
MW - 6	11/02/07	<0.001	<0.001	<0.001	<0.001	

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

MONUMENT 2

LEA COUNTY, NEW MEXICO

NMOCD Reference No. 1R-0110

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 6	02/19/08	<0.001	<0.001	<0.001	<0.001	
MW - 6	05/06/08	0.002	<0.001	<0.001	<0.001	
MW - 6	08/07/08	<0.001	<0.001	<0.001	<0.001	
MW - 6	11/04/08	<0.001	<0.001	<0.001	<0.001	
MW - 6	02/03/09	<0.001	<0.001	<0.001	<0.001	
MW - 6	05/06/09	<0.001	<0.001	<0.001	<0.001	
MW - 6	11/02/09	<0.001	<0.001	<0.001	<0.001	
MW - 6	02/02/10	<0.001	<0.001	<0.001	<0.001	
MW - 6	05/05/10	<0.001	<0.001	<0.001	<0.001	
MW - 6	08/04/10	<0.001	<0.001	<0.001	<0.001	
MW - 6	11/03/10	<0.001	<0.001	<0.001	<0.001	
MW - 6	02/08/11	<0.001	<0.001	<0.001	<0.001	
MW - 6	05/16/11	<0.001	<0.001	<0.001	<0.001	
MW - 6	08/09/11	<0.001	<0.001	<0.001	<0.001	
MW - 6	10/31/11	<0.001	<0.001	<0.001	<0.001	
MW - 7	04/01/98	ND	ND	ND	ND	
MW - 7	09/08/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	02/28/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	06/08/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	09/18/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	12/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	03/08/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	06/22/01	<0.005	<0.005	<0.005	<0.005	
MW - 7	09/18/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	10/10/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	02/28/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	05/16/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	09/16/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	12/12/02	0.002	<0.001	<0.001	<0.001	<0.001
MW - 7	12/16/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 7	03/08/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 7	12/13/04	<0.001	<0.001	<0.001	<0.001	
MW - 7	03/11/05	Not Sampled on Current Sample Schedule				
MW - 7	06/14/05	Not Sampled on Current Sample Schedule				
MW - 7	09/13/05	Not Sampled on Current Sample Schedule				
MW - 7	12/14/05	<0.001	<0.001	<0.001	<0.001	
MW - 7	03/14/06	Not Sampled on Current Sample Schedul				
MW - 7	06/16/06	Not Sampled on Current Sample Schedule				
MW - 7	09/05/06	Not Sampled on Current Sample Schedule				
MW - 7	11/14/06	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/13/07	Not Sampled on Current Sample Schedule				
MW - 7	05/10/07	Not Sampled on Current Sample Schedule				
MW - 7	08/20/07	Not Sampled on Current Sample Schedule				

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

MONUMENT 2

LEA COUNTY, NEW MEXICO

NMOCD Reference No. 1R-0110

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 7	11/02/07	0.0052	<0.001	<0.001	<0.001	
MW - 7	02/06/08	Not Sampled on Current Sample Schedule				
MW - 7	05/06/08	Not Sampled on Current Sample Schedule				
MW - 7	08/07/08	Not Sampled on Current Sample Schedule				
MW - 7	11/04/08	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/03/09	<0.001	<0.001	<0.001	<0.001	
MW - 7	05/06/09	Not Sampled on Current Sample Schedule				
MW - 7	08/03/09	Not Sampled on Current Sample Schedule				
MW - 7	11/02/09	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/02/10	<0.001	<0.001	<0.001	<0.001	
MW - 7	05/05/10	Not Sampled on Current Sample Schedule				
MW - 7	08/04/10	Not Sampled on Current Sample Schedule				
MW - 7	11/03/10	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/08/11	Not Sampled on Current Sample Schedule				
MW - 7	05/16/11	Not Sampled on Current Sample Schedule				
MW - 7	08/09/11	Not Sampled on Current Sample Schedule				
MW - 7	10/31/11	<0.001	<0.001	<0.001	<0.001	
MW - 8	11/10/04	**0.138**	<0.005	0.075	0.1790	
MW - 8	03/11/05	**0.115**	<0.05	<0.05	0.0855	
MW - 8	06/14/05	**0.165**	0.0270	0.109	0.2710	
MW - 8	09/13/05	Not sampled				
MW - 8	12/14/05	**0.102**	0.0238	<0.01	0.1410	
MW - 8	03/14/06	**0.144**	0.0545	0.129	0.3290	
MW - 8	06/16/06	**0.196**	0.0405	0.131	0.2850	
MW - 8	09/05/06	**0.127**	0.0437	0.126	0.3490	
MW - 8	11/14/06	**0.116**	0.0333	0.123	0.2950	
MW - 8	02/13/07	**0.130**	0.0464	0.143	0.3500	
MW - 8	05/10/07	**0.091**	0.0378	0.118	0.3440	
MW - 8	08/20/07	**0.141**	0.0362	0.174	0.4240	
MW - 8	11/02/07	**0.096**	0.0252	0.150	0.3430	
MW - 8	02/06/08	**0.0683**	0.0099	0.113	0.2250	
MW - 8	05/06/08	**0.1760**	0.0196	0.159	0.2760	
MW - 8	08/07/08	**0.0687**	<0.001	0.109	0.2170	
MW - 8	11/04/08	**0.0847**	0.0019	0.127	0.1640	
MW - 8	02/03/09	**0.0625**	0.0057	0.136	0.2470	
MW - 8	05/06/09	**0.0312**	<0.001	0.102	0.1280	
MW - 8	08/03/09	**0.0406**	<0.001	0.135	0.2010	
MW - 8	11/02/09	**0.0334**	<0.001	0.122	0.2150	
MW - 8	02/02/10	**0.0541**	<0.001	0.104	0.1560	
MW - 8	05/05/10	**0.0432**	<0.001	0.099	0.1620	
MW - 8	08/04/10	**0.0284**	0.0087	0.112	0.2280	
MW - 8	11/03/10	**0.1330**	<0.001	0.083	0.0916	
MW - 8	02/08/11	**0.0531**	<0.001	0.120	0.1870	

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

MONUMENT 2

LEA COUNTY, NEW MEXICO

NMOCD Reference No. 1R-0110

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 8	05/16/11	**0.0486**	<0.001	0.104	0.1270	
MW - 8	08/09/11	**0.0637**	<0.001	0.154	0.1960	
MW - 8	10/31/11	**0.0389**	<0.001	0.114	0.1360	

TABLE 3

POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
MONUMENT 2
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0110

All water concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		—	—	0.001 mg/L	0.0001 mg/L	0.0007 mg/L	0.001 mg/L	—	0.001 mg/L	0.0002 mg/L	0.0003 mg/L	0.001 mg/L	0.001 mg/L	0.0004 mg/L	0.001 mg/L	0.001 mg/L	0.03 mg/L			—
MW-1	11/04/08	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185
	11/02/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.000393
	11/03/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/15/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-2	11/04/08	<0.000185	<0.000185	**0.0033**	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	**0.018**	<0.000185	**0.0236**	<0.000185	**0.019**	**0.0854**	**0.0387**	0.0143
	11/02/09	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	**0.0171**	<0.000926	**0.0112**	**0.0722**	**0.0324**	0.0102
	11/03/10	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	**0.00338**	<0.000184	**0.00715**	<0.000184	**0.00605**	**0.0317**	**0.0105**	0.00399
	12/15/11	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	**0.0146**	<0.000184	**0.00717**	**0.473**	**0.00835**	0.0085
MW-3	11/04/08	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185
	11/02/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.000698	<0.000184	<0.000184
	11/03/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/15/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-4	11/04/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.000698	<0.000184	<0.000184
	11/02/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
	11/03/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/15/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	11/04/08	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	0.000968	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917
	11/02/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.000857	<0.000184	<0.000184	0.000698	<0.000184	<0.000184
	11/03/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/15/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-6	11/04/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
	11/02/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.000698	<0.000184	<0.000184
	11/03/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/15/11	Not Sampled as part of Quarterly Monitoring Event.																		

TABLE 3

POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
MONUMENT 2
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0110

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		—	—	0.001 mg/L	0.0001 mg/L	0.0007 mg/L	0.001 mg/L	—	0.001 mg/L	0.0002 mg/L	0.0003 mg/L	0.001 mg/L	0.001 mg/L	0.0004 mg/L	0.001 mg/L	0.001 mg/L	0.03 mg/L			—
MW-7	11/04/08	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
	11/02/09	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185
	11/03/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/15/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-8	11/04/08	<0.000184	<0.000184	<0.000184	**0.00027**	<0.000184	<0.000184	<0.000184	<0.000184	**0.000421**	<0.000184	<0.000184	**0.00235**	<0.000184	**0.00287**	<0.000184	0.00578	0.0148	0.00568	0.00266
	11/02/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	**0.00204**	<0.000184	0.00431	0.0113	0.00356	0.00184
	11/03/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/15/11	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	**0.00298**	<0.000184	**0.0106**	**0.0214**	**0.0147**	0.00238