AP-12

Plains
TNM 98-05A

Annual Report
2013

2013
ANNUAL MONITORING REPORT

TNM 98-05A
NE 1/4 NW 1/4 OF SECTION 26, TOWNSHIP 21 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO
PLAINS SRS NUMBER: TNM-98-05A
NMOCD Reference AP-12

Prepared for:

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March 2014

Curt Stanley
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President

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ENCLOSED ON DATA DISK
2013 Annual Monitoring Report
2013 Tables 1, 2 and 3 – Groundwater Elevation, BTEX and PAH Concentration Data
2013 Figures 1, 2A-2D, and 3A-3D
Electronic Copies of Laboratory Reports
Historic Table 1, 2 and 3 – Groundwater Elevation, BTEX and PAH Concentration Tables

INTRODUCTION

NOVA Safety and Environmental (NOVA), on behalf of Plains Pipeline, L.P. (Plains), has prepared this 2013 Annual Groundwater 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 were assumed by NOVA. This report is intended to be viewed as a complete document with figures, attachments, tables, and text. The report presents the results of four quarterly groundwater monitoring/sampling events conducted at the TNM 98-05A crude oil Release Site (the site), located in Lea County, New Mexico. The site, formerly the responsibility of Enron Oil Trading and Transportation (EOTT) is now the responsibility of Plains. For reference, the Site Location Map is provided as Figure 1.

Groundwater gauging and sampling was conducted during each quarter of 2013 to assess the levels and extent of Phase Separated Hydrocarbons (PSH) and dissolved phase constituents. The groundwater monitoring events consisted of measuring static water levels in the monitor wells, and purging and sampling of each well exhibiting sufficient recharge. Monitor wells were not sampled if a measurable thickness of PSH were detected during gauging activities.

SITE DESCRIPTION AND BACKGROUND INFORMATION

The site is located approximately two miles northeast of the city of Eunice, New Mexico. The legal description of the site is NE ¼, NW ¼, Section 26, Township 21 South, Range 37 East (Figure 1). On February 5, 1998, an estimated 38 barrels of crude oil were released from a six inch crude oil pipeline. Approximately four barrels of crude oil were recovered during the initial response activities. The release was attributed to internal corrosion of the pipeline. The Release Notification and Corrective Action Form (C-141) is provided as Appendix A. Approximately 3,300 cubic yards of impacted soil was excavated and applied to an on-site treatment cell. In December 2004, a Site Restoration Work Plan and Proposed Soil Closure Strategy Report was submitted to the NMOCD. The report was approved by the NMOCD in a letter dated June 2, 2005. In October 2005, additional excavation along the east sidewall was completed, the excavation was backfilled with remediated soil and the site was graded to match the surrounding topography. In December 2005, a Soil Closure Request was submitted to the NMOCD and this request was approved by the NMOCD in a letter dated January 31, 2006, which concurred that no further action was necessary with regard to soil remediation at the TNM-98-05A Site.

During the October 2005 excavation backfilling activities, monitor well MW-4 was damaged and could not be repaired. On January 9, 2006, Plains representatives requested NMOCD approval to plug and abandon monitor well MW-4. On January 19, 2006, NMOCD approved the request to plug and abandon the monitor well. On March 6, 2006, monitor well MW-4 was plugged and abandoned utilizing approved New Mexico Office of the State Engineer plugging and abandonment procedures.

Currently, there are ten monitor wells (MW-1 through MW-3 and MW-5 through MW-11) onsite. For reference, the analytical results are shown in Table 2, 2013 Concentrations of BTEX in Groundwater.

FIELD ACTIVITIES

Product Recovery Efforts

A measurable thickness of PSH was detected in monitor wells MW-2 and MW-10 throughout the reporting period. A maximum thickness of 2.44 feet of PSH was detected in monitor well MW-10 on July 30, 2013. The average thickness of PSH exhibited in monitor wells MW-2 and MW-10 was 1.34 feet. Groundwater Elevation data is provided as Table 1. Approximately 34.75 gallons (approximately 0.83 barrels) of PSH was recovered from the site during the 2013 reporting period.

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 correspondence date January 19, 2006. The table below illustrates the current groundwater sampling schedule approved by the NMOCD.

Sample Location	Sampling Schedule
MW-1	Quarterly
MW-2	Quarterly
MW-3	Annually
MW-4	Plugged and Abandoned March 6, 2006
MW-5	Annually
MW-6	Quarterly
MW-7	Semi-annually
MW-8	Quarterly
MW-9	Semi-Annually
MW-10	Quarterly
MW-11	Semi-Annually

Quarterly sampling events for the calendar year 2013 were performed on February 14, May 28, August 6, and November 7, 2013. Each quarterly sampling event consisted of gauging all wells and purging and sampling monitor wells as per the approved sampling schedule. 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 PVC bailer or electrical Grundfos pump. Groundwater was allowed to recharge and samples were collected using disposable Teflon samplers. Water samples were placed 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.

The most recent inferred groundwater gradient, Figure 2D, indicates a general gradient of approximately 0.007 feet/foot to the southeast as measured between monitor wells MW-5 and MW-6. This data is consistent with data presented on Figures 2A through 2C from earlier in the year. The corrected groundwater elevations ranged between 3,342.02 and 3,343.63 feet above mean sea level, in monitor well MW-6 on November 7, 2013 and from monitor well MW-5 on May 28, 2013, respectively. Groundwater elevation data for the calendar year 2013 is provided

in Table 1. Historic groundwater elevation data beginning at project inception is provided on the enclosed disk.

LABORATORY RESULTS

Groundwater samples obtained during the quarterly sampling events of 2013 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-1 and MW-9 during the 2013 calendar year. 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 2013 are summarized in Table 2 and the historic PAH constituent concentrations are summarized in Table 3. Copies of the laboratory reports generated for 2013 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 a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.86 mg/L during the 2nd quarter to 1.84 mg/L during the 1st quarter of 2013. Benzene concentrations were above the NMOCD regulatory guidelines of 0.01 mg/L during all four quarters of the reporting period. Toluene concentrations ranged from <0.100 mg/L during the 2nd quarter to 0.0118 mg/L during the 3rd quarter of 2013. Toluene concentrations were below the NMOCD regulatory guidelines of 0.75 mg/L during the reporting period. Ethylbenzene concentrations ranged from 0.0993 mg/L during the 1st quarter to 0.2660 mg/L during the 3rd quarter of 2013. Ethylbenzene concentrations were below the NMOCD regulatory guidelines of 0.75 mg/L during the reporting period. Xylene concentrations ranged from <0.01 mg/L during the 2nd quarter to 0.0993 mg/L during the 1st quarter of 2013. Xylene concentrations were below the NMOCD regulatory guidelines 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 for naphthalene (0.610 mg/L), 1-methylnaphthalene (1.21 mg/L) and 2-methylnaphthalene (0.0632 mg/L), Fluorene (0.494 mg/L), Indeno[1,2,3-cd]pyrene (0.112 mg/L) and phenanthrene (0.388 mg/L). Additional PAH constituents detected above MDLs include dibenzofuran (21.4 mg/L).

Monitor well MW-2 is sampled on a quarterly schedule. Monitor well MW-2 was not sampled during the 1st, 2nd, 3rd and 4th quarters of the reporting period due to the presence of PSH. PSH thicknesses of 0.50 feet, 0.48 feet, 1.21 feet and 1.13 feet were reported during the 1st, 2nd, 3rd and 4th quarters of 2013, respectively. PAH analysis was not conducted during the 4th quarter sampling event due to the presence of PSH.

Monitor well MW-3 is sampled on an annual schedule. Analytical results indicate BTEX constituent concentrations were below the MDL and/or NMOCD regulatory guidelines during the 4th quarter sampling event. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 1st quarter of 2003. PAH analysis was not required during the 4th quarter sampling event.

Monitor well MW-5 is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory guidelines for each constituent during the 4th quarter sampling event. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory guidelines since the installation of the monitor well in the 1st quarter of 2000. PAH analysis was not required during the 4th quarter sampling event.

Monitor well MW-6 is sampled on a quarterly schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory guidelines for each constituent during the reporting period. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory guidelines since the installation of the monitor well in the 1st quarter of 2000. PAH analysis was not required during the 4th quarter sampling event.

Monitor well MW-7 is sampled on a semi-annual schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory guidelines for each constituent during the 2nd and 4th quarter sampling event. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory guidelines since the installation of the monitor well in the 1st quarter of 2000. PAH analysis was not required during the 4th quarter sampling event.

Monitor well MW-8 is sampled on a quarterly schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory guidelines for each constituent during the reporting period. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory guidelines since the installation of the monitor well in the 1st quarter of 2000. PAH analysis was not required during the 4th quarter sampling event.

Monitor well MW-9 is sampled on a semi-annual schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory guidelines for each constituent during the 2nd and 4th quarter sampling event. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 1st quarter of 2008. PAH analysis was not required during the 4th quarter sampling event.

Monitor well MW-10 is sampled on a quarterly schedule. Monitor well MW-10 was not sampled during all four quarters of 2013 due to the presence of PSH. PSH thicknesses of 1.79 feet, 1.40 feet, 2.32 feet and 1.58 feet were reported during the 1st, 2nd, 3rd and 4th quarters of 2013, respectively. PAH analysis was not conducted during the 4th quarter sampling event due to the presence of PSH.

Monitor well MW-11 is sampled on a semi-annual schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory guideline for each constituent during the 2nd and 4th quarter sampling event. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 4th quarter of 2005. PAH analysis was not required during the 4th quarter sampling event.

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

SUMMARY

This report presents the results of four groundwater monitoring and sampling events for the annual monitoring period of calendar year 2013. Currently, there are ten groundwater monitor wells (MW-1 through MW-3 and MW-5 through MW-11) on site. The most recent inferred groundwater gradient indicates a general gradient of approximately 0.007 feet/foot to the southeast.

In 2012, due to the elevated PSH thickness in monitor wells MW-2 and MW-10, Plains opted to change the sampling schedule of monitor wells MW-6 and MW-8 to a quarterly sampling schedule to monitor the migration of the PSH plume more closely.

A measurable thickness of PSH was detected in monitor wells MW-2 and MW-10 throughout the reporting period. A maximum thickness of 2.44 feet of PSH was detected in monitor well MW-10 on July 30, 2013. The average thickness of PSH exhibited in monitor wells MW-2 and MW-10 was 1.34 feet.

Benzene concentrations were above NMOCD regulatory guidelines in one monitor well (MW-1) during the reporting period. BTEX concentrations were below NMOCD regulatory guidelines in the remaining seven sampled monitor wells.

RECENT ACTIONS

On February 5 through 7, 2014, Plains installed two – four inch monitor wells (MW-12 and MW-13) on the 98-05A release site. Monitor well MW-12 was located to the southwest of monitor well MW-10 and monitor well MW-13 was located to the northwest of monitor well MW-10. During the development of monitor well MW-13, PSH was observed in the purged groundwater. During the development of monitor well MW-12 (located to the southwest of MW-10), no measurable PSH was detected. General groundwater chemistry samples have been collected and submitted to the laboratory for analysis, analytical results are pending.

ANTICIPATED ACTIONS

An automated PSH recovery system utilizing skimmer pumps is to be installed in monitor wells MW-2, MW-10 and MW-13 to assist in PSH recovery. These wells will be pumped aggressively until PSH thickness is diminished to a point where skimmer pumps are no longer efficient in the removal of PSH.

Monitor and recovery wells exhibiting elevated BTEX concentrations will continue to be pumped aggressively in 2014. Monitor wells MW-12 and MW-13 will be evaluated for inclusion on this list for 2014. Weekly visits to gauge and over pump monitor wells MW-1, MW-2, MW-9 and MW-10 will continue in 2014. Quarterly monitoring and groundwater sampling will

continue in 2014. Based on the results of the PAH analysis over the past several years, NOVA will conduct PAH analysis on monitor wells MW-1, MW-2, and MW-10, which have historically exhibited elevated constituents near or above the WQCC standards.

An Annual Monitoring Report will be submitted to the NMOCD by April 1, 2014.

LIMITATIONS

NOVA has prepared this 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

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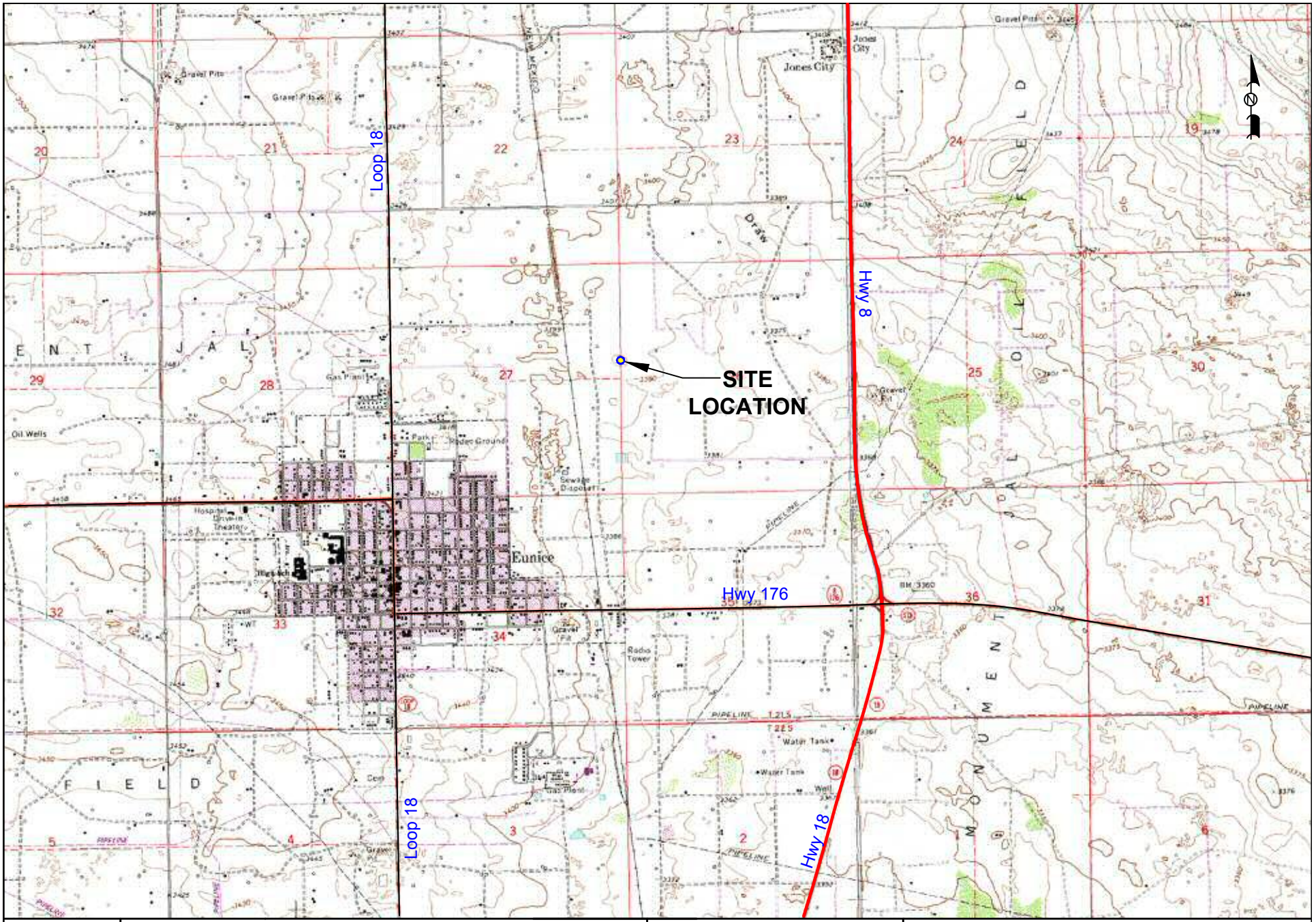

Legend:

Mapped edited and Published by the Geological Survey Control by USGS & USC & GS
Map Re-edited by Nova Safety and Environmental for the purpose of Site Location Maps.
Fine red dashed lines indicate selected fence lines.
This map Complies with National Map Accuracy Standards

3000 1500 0 1500 3000

Distance in Feet

Figure 1
Site Location Map
TNM 98-05A
Plains Marketing, L.P.
Lea County, NM

NMOCD Reference # AP-12

NOVA safety and environmental
2057 Commerce Drive
Midland, Texas 79703
432.520.7720
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April 15, 2013	Scale: 1"-3000'	CAD By: CAS	Checked By:

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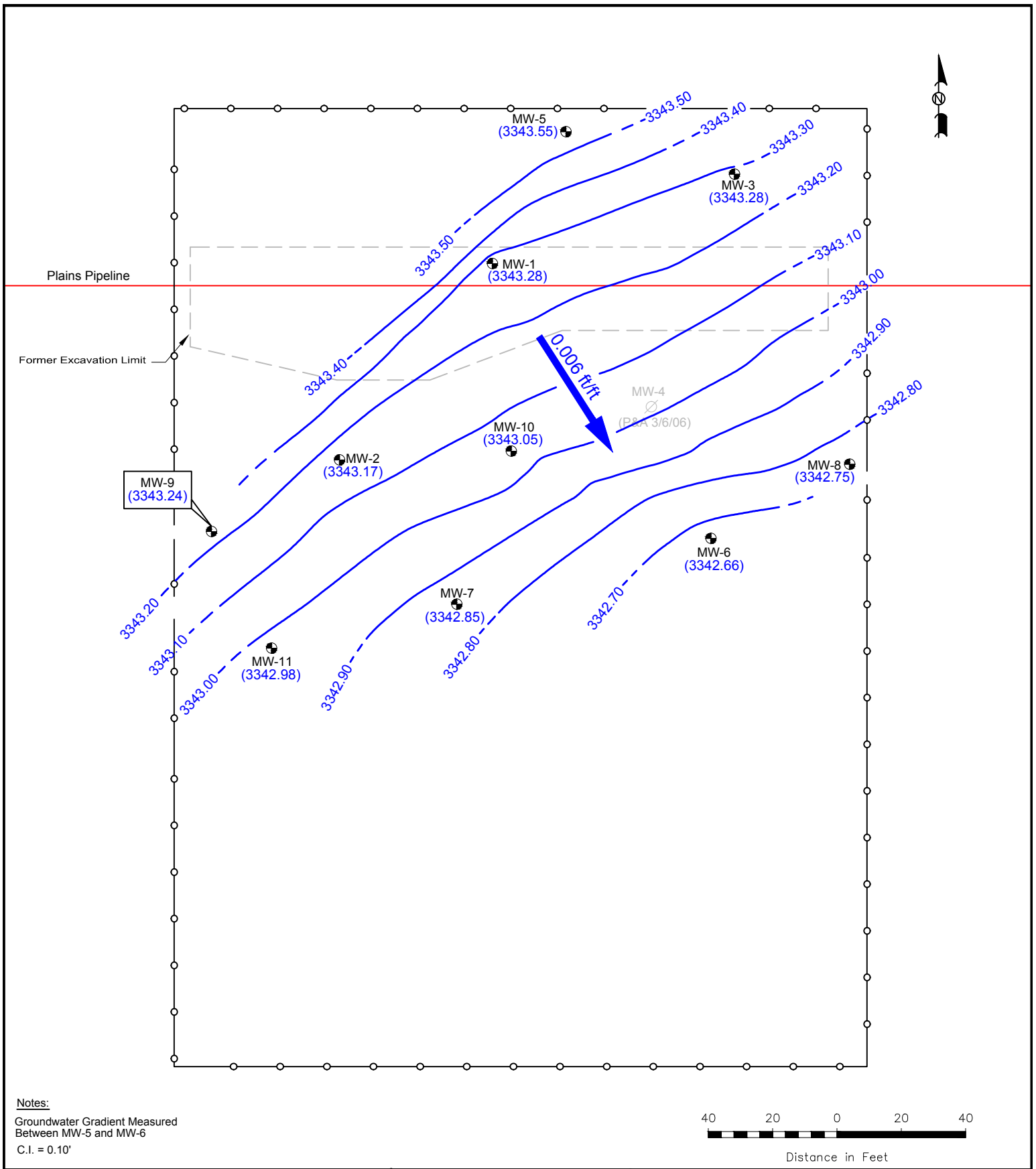

LEGEND:

- Monitor Well Location
- Plugged and Abandoned
- (3728.80) Groundwater Elevation (feet)
- Groundwater Elevation Contour Line
- Fence
- Pipeline
- Former Excavation Limits

Figure 2A
Inferred Groundwater Groundwater Gradient Map
(2/14/2013)
NMOCD Reference # AP-12
Plains Marketing, L.P.
TNM 98-05A
Lea County, NM

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2057 Commerce Drive
Midland, Texas 79703
432.520.7720
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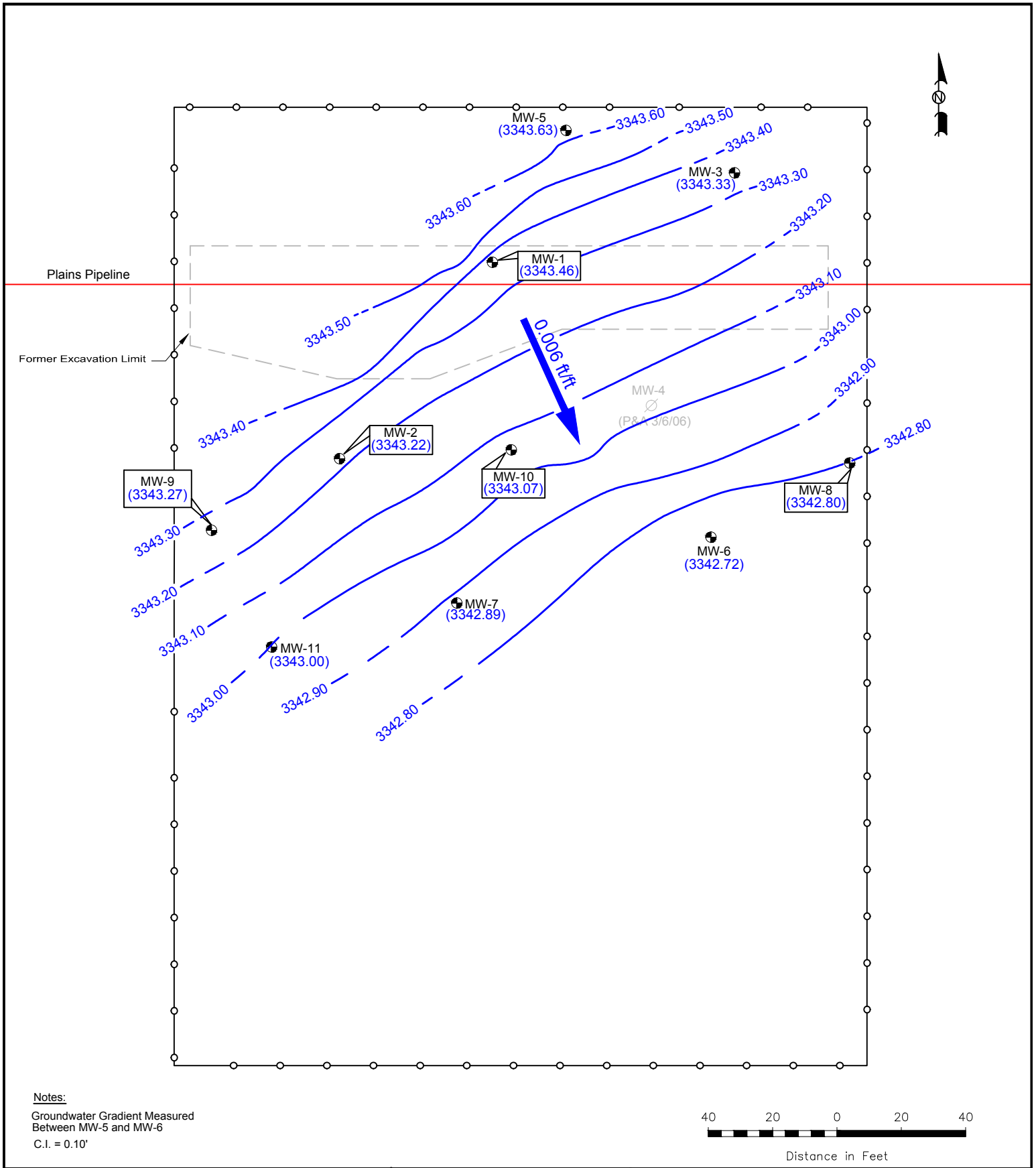

Notes:

Groundwater Gradient Measured Between MW-5 and MW-6

C.I. = 0.10'

LEGEND:

- Monitor Well Location
- Plugged and Abandoned
- (3728.80) Groundwater Elevation (feet)
- Groundwater Elevation Contour Line
- Fence
- Pipeline
- Former Excavation Limits

Contour Intervals: = 0.10'

Figure 2B
Inferred Groundwater Groundwater Gradient Map
(5/28/2013)
NMOCD Reference # AP-12
Plains Marketing, L.P.
TNM 98-05A
Lea County, NM

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July 16, 2013	Scale: 1" = 40'	CAD By: CAS	Checked By: *
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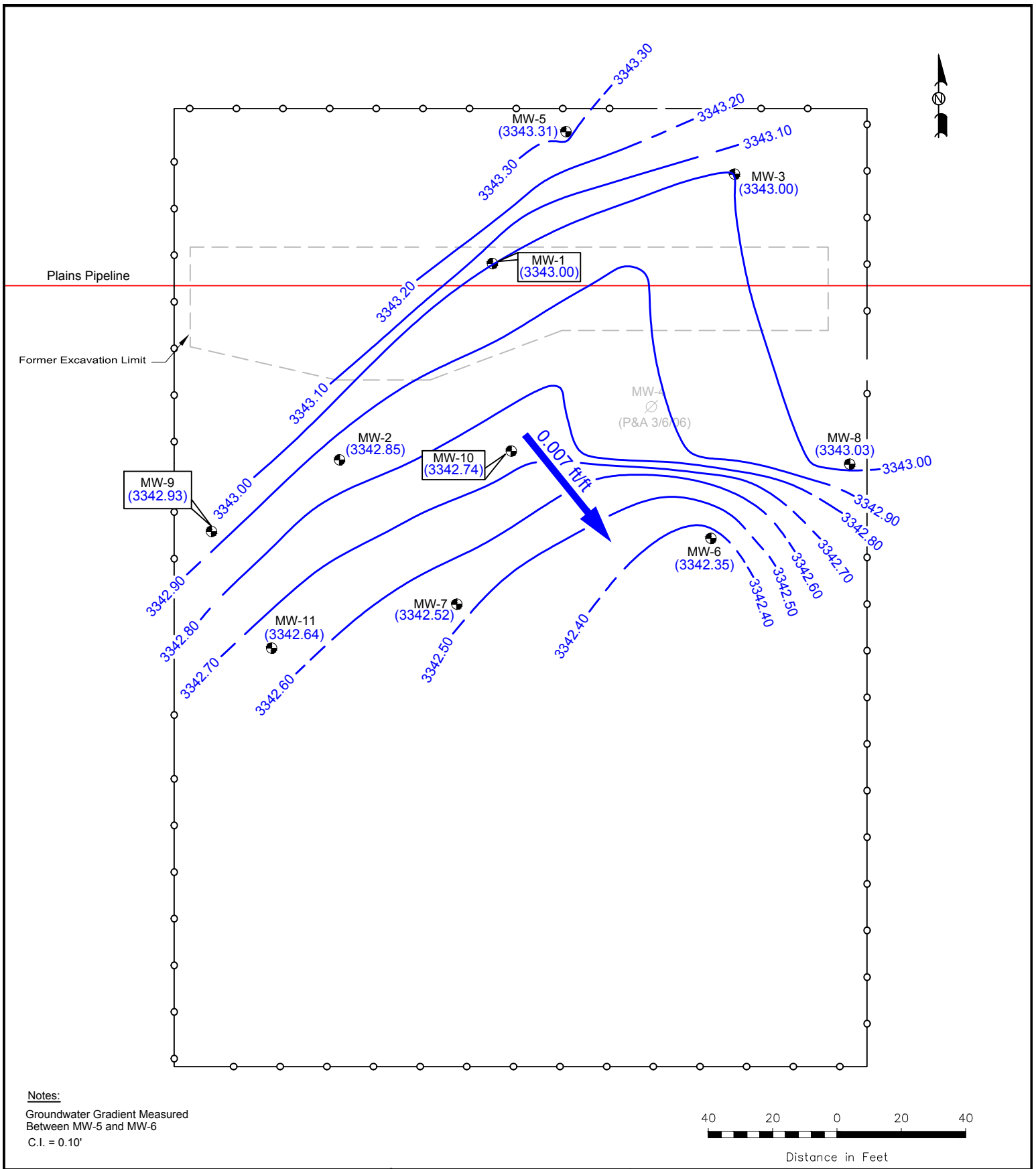

Notes:

Groundwater Gradient Measured Between MW-5 and MW-6

C.I. = 0.10'

LEGEND:

- Monitor Well Location
- Plugged and Abandoned
- Proposed Monitor Well Location
- (3728.80) Groundwater Elevation (feet)
- Groundwater Elevation Contour Line
- Fence
- Pipeline
- Former Excavation Limits

Figure 2C
Inferred Groundwater
Groundwater Gradient Map
(8/6/2013)
NMOCD Reference # AP-12
Plains Marketing, L.P.
TNM 98-05A
Lea County, NM

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October 1, 2013	Scale: 1" = 40'	CAD By: TA	Checked By: CJB
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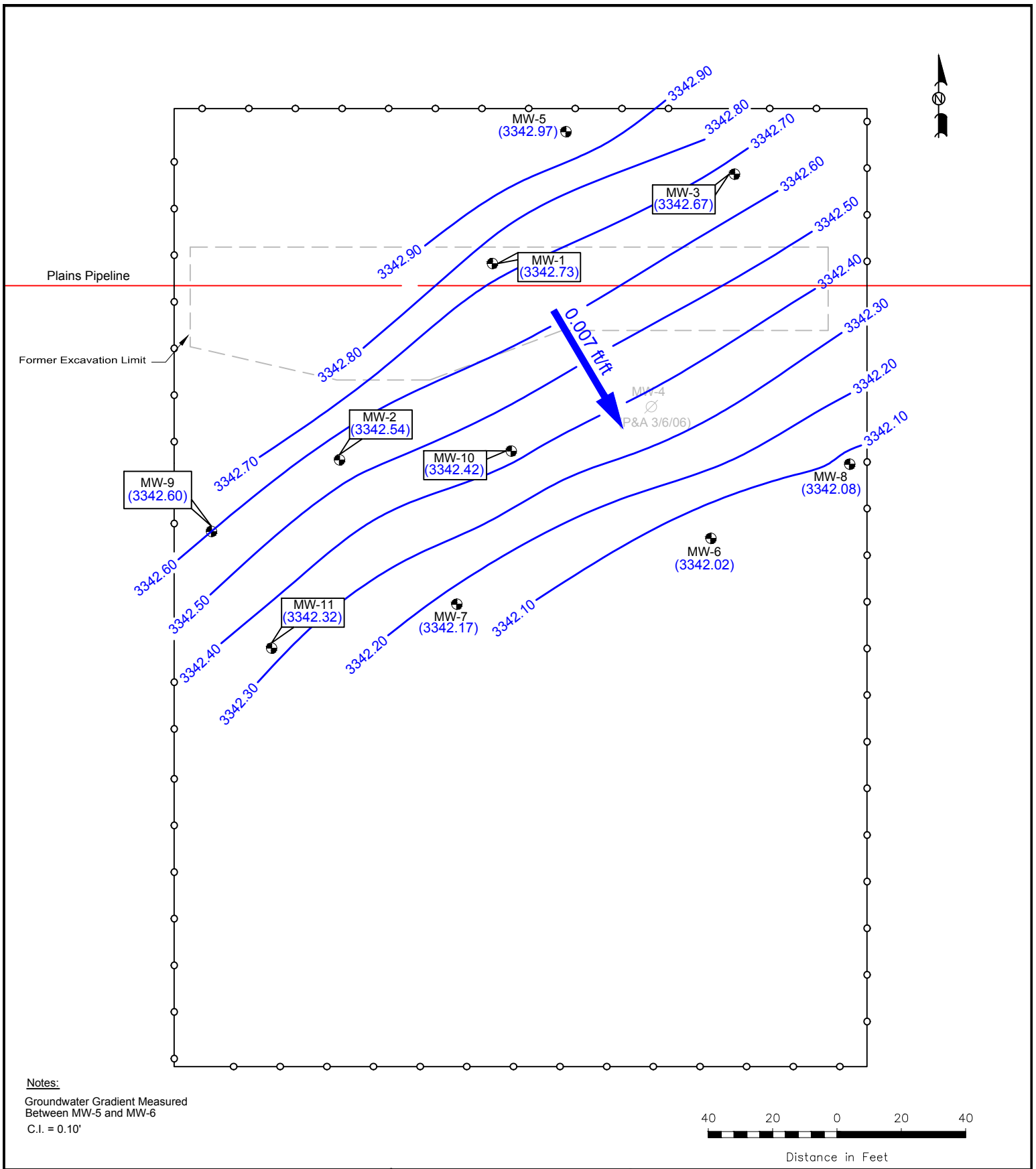

Notes:

Groundwater Gradient Measured Between MW-5 and MW-6

C.I. = 0.10'

LEGEND:

- Monitor Well Location
- Plugged and Abandoned
- Proposed Monitor Well Location
- (3728.80) Groundwater Elevation (feet)
- Groundwater Elevation Contour Line
- Fence
- Pipeline
- Former Excavation Limits

Figure 2D
Inferred Groundwater
Groundwater Gradient Map
(11/7/2013)
NMOCD Reference # AP-12
Plains Marketing, L.P.
TNM 98-05A
Lea County, NM

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January 7, 2014	Scale: 1" = 40'	CAD By: TA	Checked By: CS
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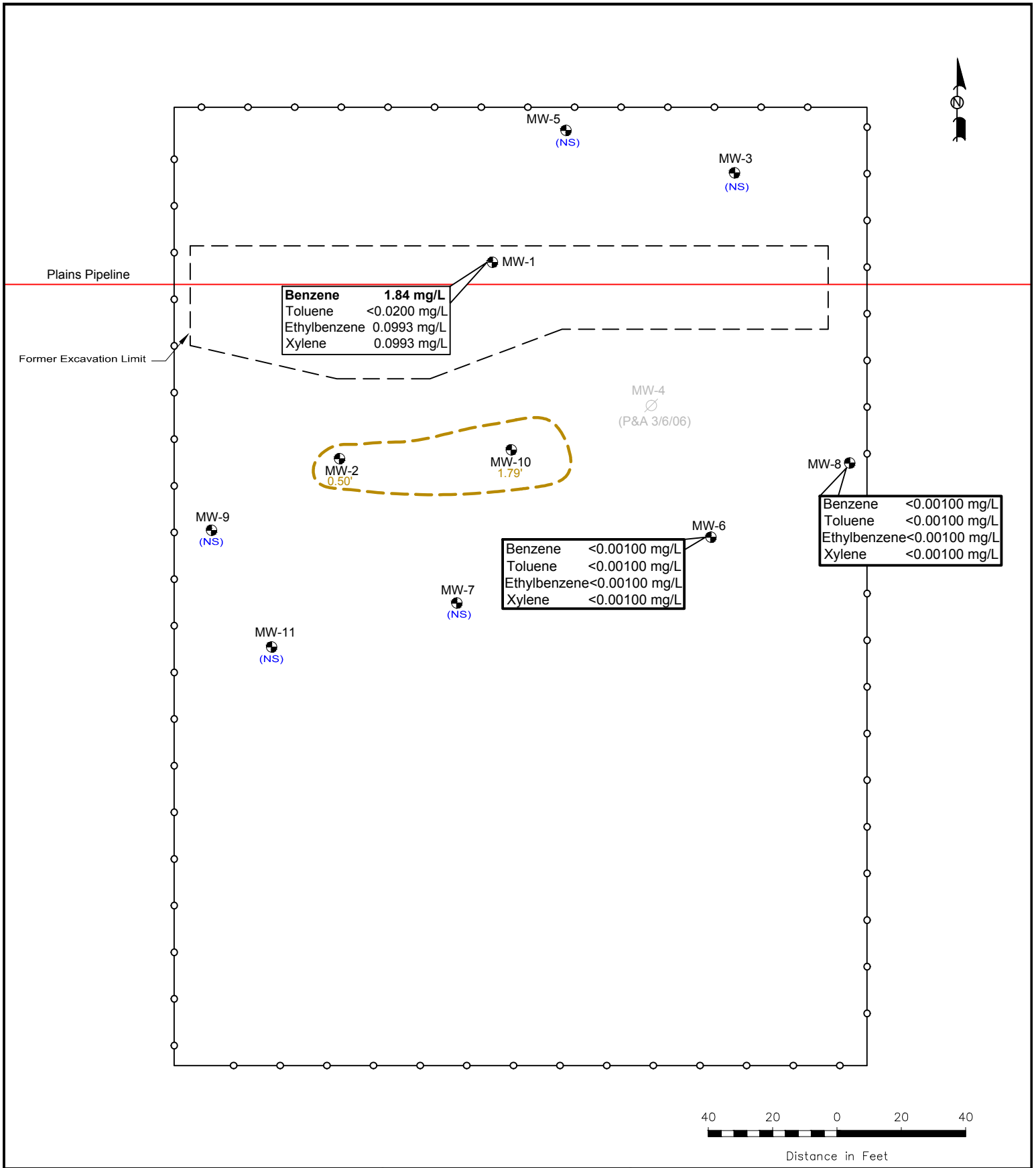

LEGEND:

- Monitor Well Location
- Plugged and Abandoned
- Fence
- Pipeline
- Former Excavation Limits
- Inferred PSH Extent
- 2.42' Thickness of PSH (feet)
- (NS) Not Sampled
- <0.001 Constituent Concentration (mg/L)

Figure 3A
Groundwater Concentration and Inferred PSH Extent Map
(2/14/2013)
Plains Marketing, L.P.
TNM 98-05A
Lea County, NM
NMOCD Reference # AP-12

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April 9, 2013	Scale: 1" = 40'	CAD By: CAS	Checked By: RKR

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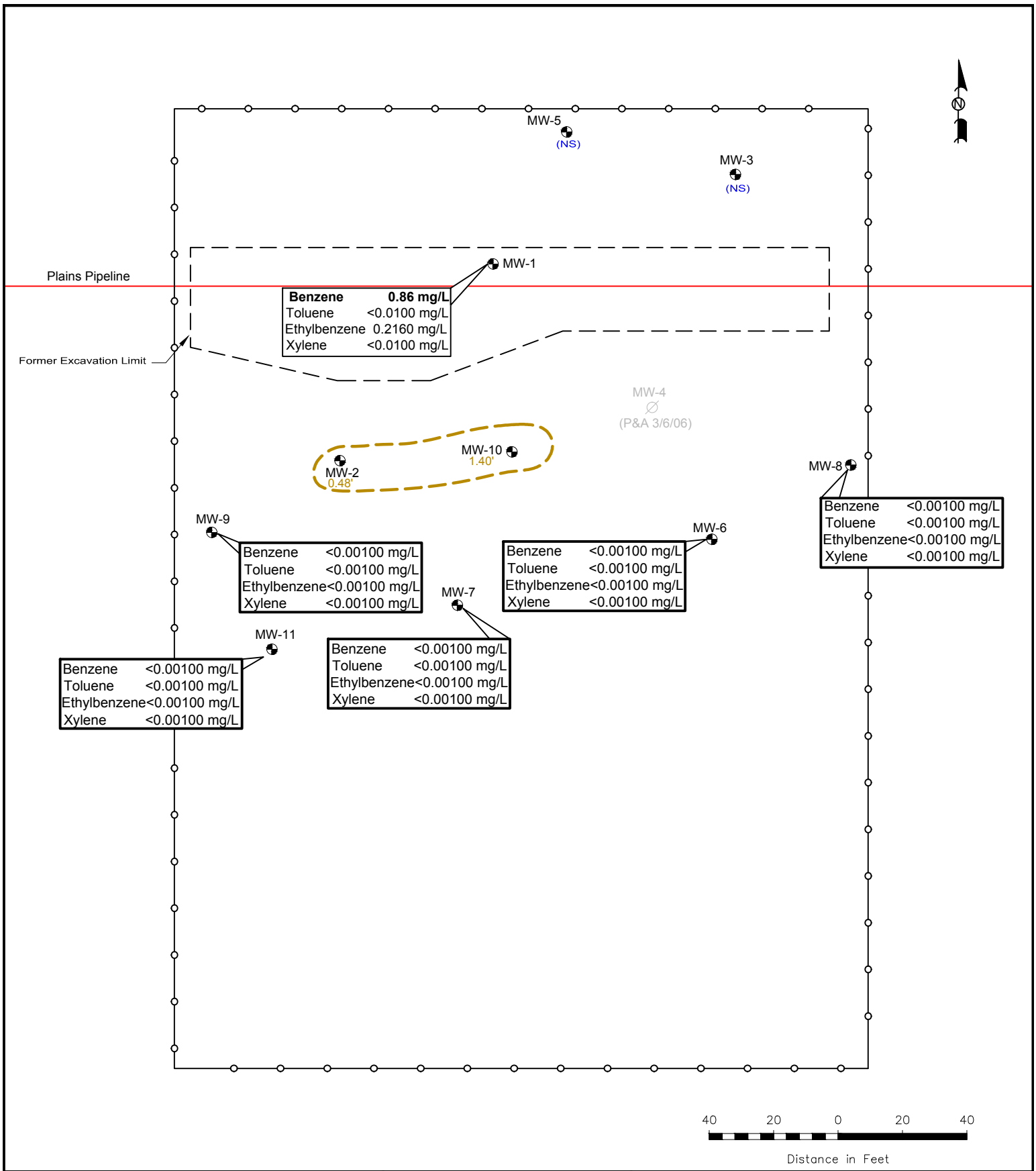

LEGEND:

- Monitor Well Location
- Plugged and Abandoned
- Fence
- Pipeline
- Former Excavation Limits
- Inferred PSH Extent
- 2.42' Thickness of PSH (feet)
- (NS) Not Sampled
- <0.001 Constituent Concentration (mg/L)

Figure 3B
Groundwater Concentration and Inferred PSH Extent Map
(5/28/2013)
Plains Marketing, L.P.
TNM 98-05A
Lea County, NM
NMOCD Reference # AP-12

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July 10, 2013	Scale: 1" = 40'	CAD By: CAS	Checked By: RKR

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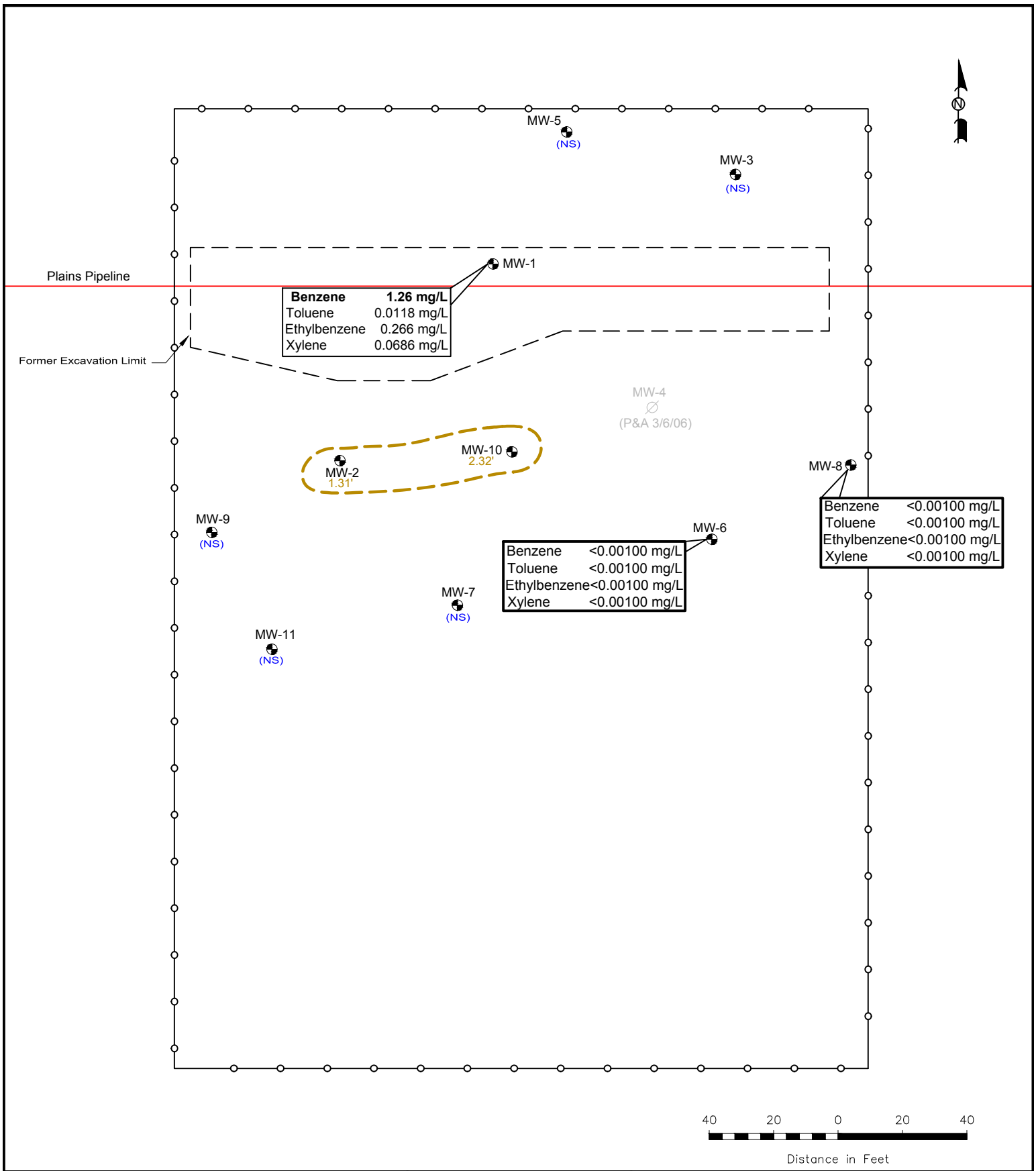

LEGEND:

- Monitor Well Location
- Plugged and Abandoned
- Proposed Monitor Well Location
- Fence
- Pipeline
- Former Excavation Limits
- Inferred PSH Extent

2.42' Thickness of PSH (feet)
(NS) Not Sampled
<0.001 Constituent Concentration (mg/L)

Figure 3C
Groundwater Concentration and Inferred PSH Extent Map
(8/6/2013)
Plains Marketing, L.P.
TNM 98-05A
Lea County, NM
NMOCD Reference # AP-12

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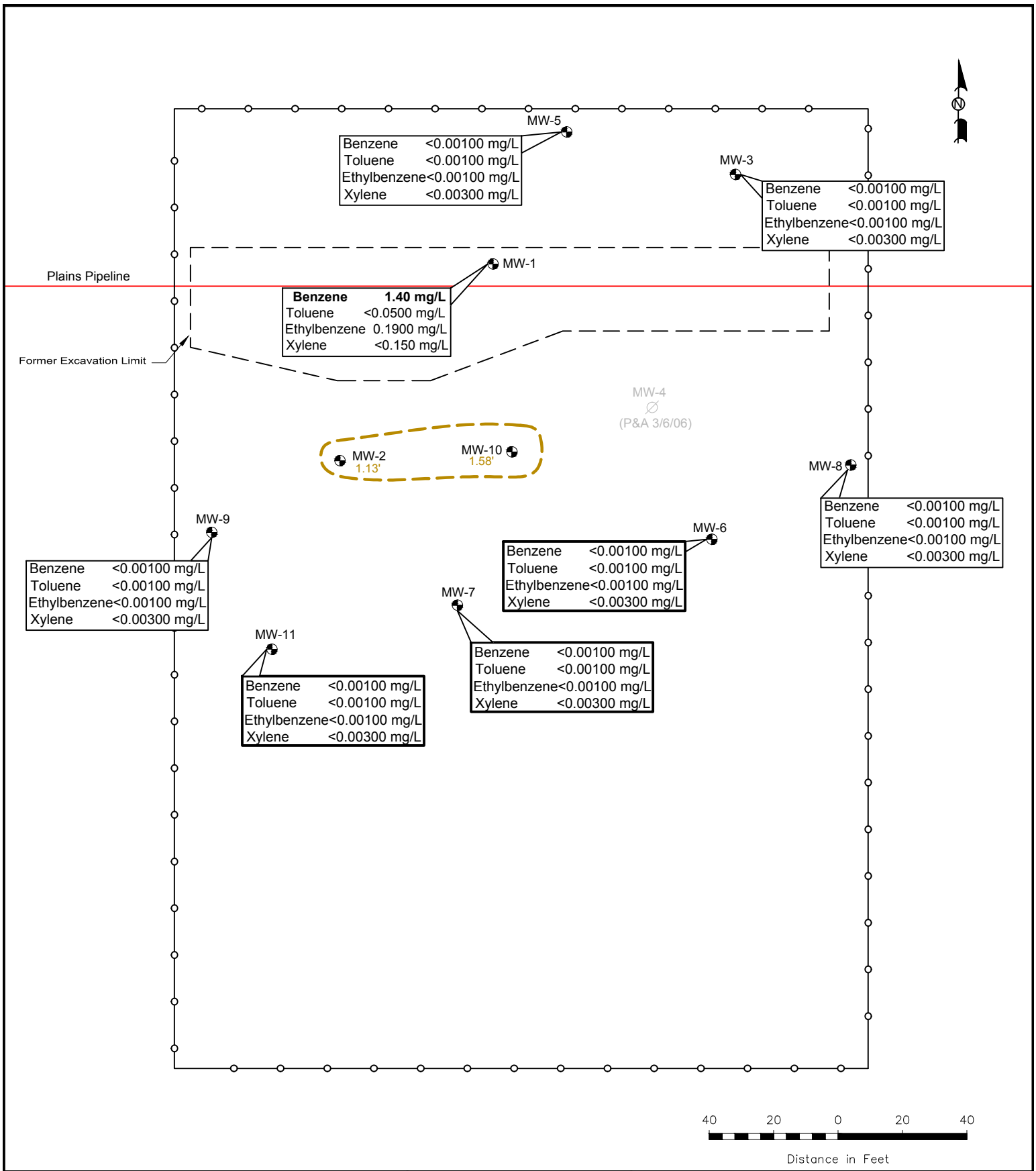

LEGEND:

- Monitor Well Location
- Plugged and Abandoned
- Proposed Monitor Well Location
- Fence
- Pipeline
- Former Excavation Limits
- Inferred PSH Extent

2.42' Thickness of PSH (feet)
(NS) Not Sampled
<0.001 Constituent Concentration (mg/L)

Figure 3D
Groundwater Concentration and Inferred PSH Extent Map
(11/7/2013)
Plains Marketing, L.P.
TNM 98-05A
Lea County, NM
NMOCD Reference # AP-12

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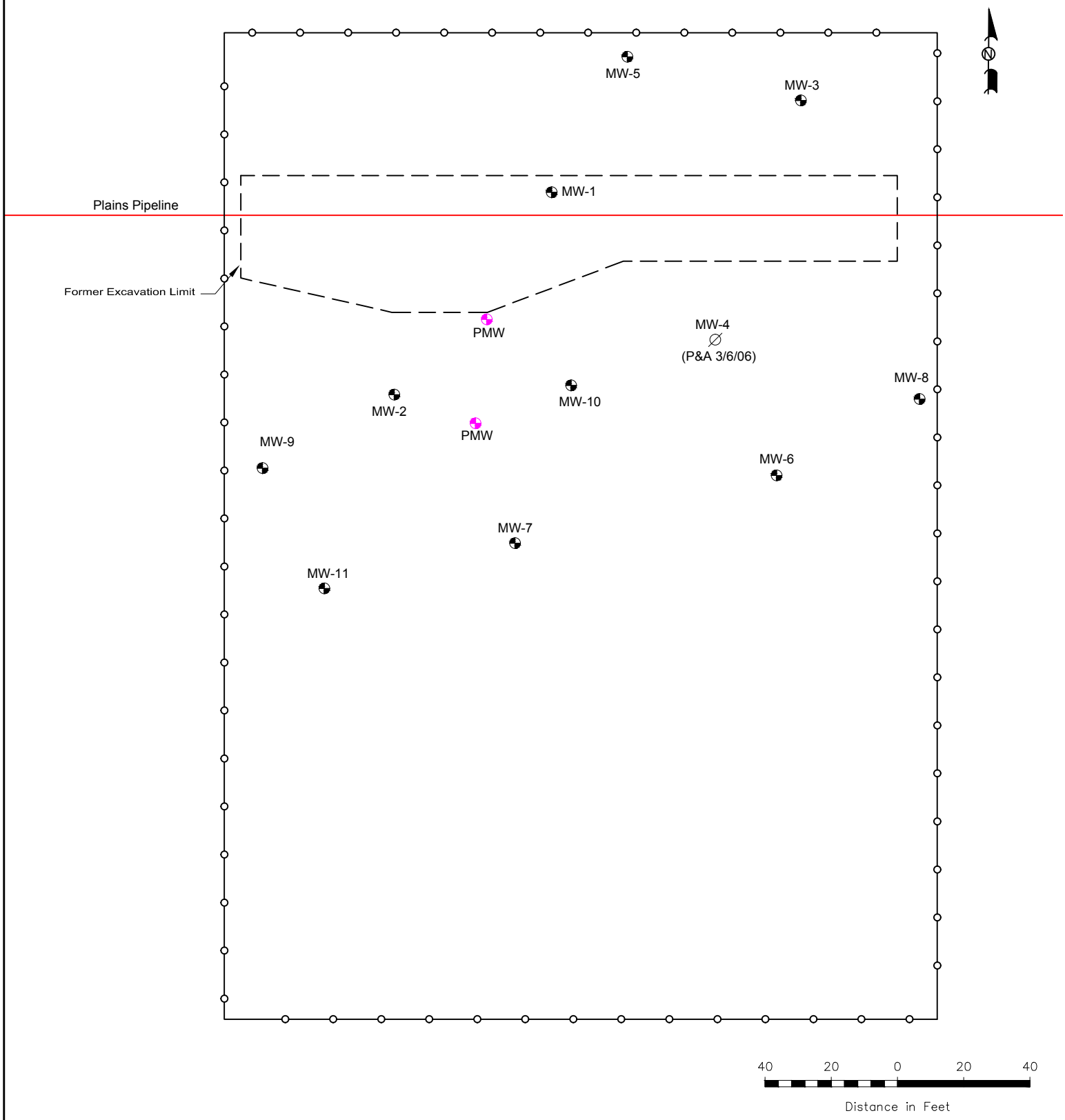
January 8, 2013	Scale: 1" = 40'	CAD By: TA	Checked By: CS

Lat. N 32° 27' 03.9" Long. W 103° 08' 29.2"



Legend:

- Monitor Well Location
- Proposed Monitor Well Location
- Plugged and Abandoned
- Fence
- Pipeline
- Former Excavation Limits

Figure 4
Proposed Monitor Well Location Map
Plains Marketing, L.P.
TNM 98-05A
Lea County, NM
NMOCD Reference # AP-12

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March 7, 2014	Scale: 1" - 40'	CAD By: TA	Checked By:
Lat. N 32° 27' 03.9"	Long. W 103° 08' 29.2"		

TABLE 1

2013 GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	01/14/13	3391.62	-	48.31	0.00	3,343.31
MW - 1	*02/14/13*	3391.62	-	48.34	0.00	3,343.28
MW - 1	03/29/13	3391.62	-	48.27	0.00	3,343.35
MW - 1	04/19/13	3391.62	-	48.27	0.00	3,343.35
MW - 1	04/30/13	3391.62	-	48.23	0.00	3,343.39
MW - 1	*05/28/13*	3391.62	-	48.26	0.00	3,343.36
MW - 1	05/23/13	3391.62	-	48.31	0.00	3,343.31
MW - 1	05/30/13	3391.62	-	48.26	0.00	3,343.36
MW - 1	06/06/13	3391.62	-	48.36	0.00	3,343.26
MW - 1	06/13/13	3391.62	-	48.41	0.00	3,343.21
MW - 1	06/19/13	3391.62	-	48.42	0.00	3,343.20
MW - 1	07/30/13	3391.62	-	48.65	0.00	3,342.97
MW - 1	*08/06/13*	3391.62	-	48.62	0.00	3,343.00
MW - 1	08/09/13	3391.62	-	48.69	0.00	3,342.93
MW - 1	08/30/13	3391.62	-	48.77	0.00	3,342.85
MW - 1	09/12/13	3391.62	-	48.93	0.00	3,342.69
MW - 1	10/03/13	3391.62	-	48.96	0.00	3,342.66
MW - 1	11/01/13	3391.62	-	48.89	0.00	3,342.73
MW - 1	*11/07/13*	3391.62	-	48.89	0.00	3,342.73
MW - 1	12/10/13	3391.62	-	49.04	0.00	3,342.58
MW - 2	01/14/13	3390.85	47.63	48.11	0.48	3,343.15
MW - 2	*02/14/13*	3390.85	47.61	48.11	0.50	3,343.17
MW - 2	03/29/13	3390.85	47.56	47.88	0.32	3,343.24
MW - 2	04/19/13	3390.85	47.55	47.94	0.39	3,343.24
MW - 2	04/30/13	3390.85	47.51	47.82	0.31	3,343.29
MW - 2	05/23/13	3390.85	47.55	48.11	0.56	3,343.22
MW - 2	*05/28/13*	3390.85	47.56	48.04	0.48	3,343.22
MW - 2	05/30/13	3390.85	47.56	48.06	0.50	3,343.22
MW - 2	06/06/13	3390.85	47.62	48.41	0.79	3,343.11
MW - 2	06/13/13	3390.85	47.63	48.47	0.84	3,343.09
MW - 2	06/19/13	3390.85	47.63	48.39	0.76	3,343.11
MW - 2	07/30/13	3390.85	47.80	49.08	1.28	3,342.86
MW - 2	*08/06/13*	3390.85	47.82	49.03	1.21	3,342.85
MW - 2	08/09/13	3390.85	47.86	49.17	1.31	3,342.79
MW - 2	08/30/13	3390.85	47.91	49.19	1.28	3,342.75
MW - 2	09/12/13	3390.85	47.97	49.17	1.20	3,342.70
MW - 2	10/03/13	3390.85	48.00	49.16	1.16	3,342.68
MW - 2	11/01/13	3390.85	48.09	49.37	1.28	3,342.57
MW - 2	*11/07/13*	3390.85	48.14	49.27	1.13	3,342.54
MW - 2	12/10/13	3390.85	48.04	49.23	1.19	3,342.63
MW - 3	*02/14/13*	3391.08	-	47.80	0.00	3,343.28
MW - 3	*05/28/13*	3391.08	-	47.75	0.00	3,343.33
MW - 3	*08/06/13*	3391.08	-	48.08	0.00	3,343.00
MW - 3	*11/07/13*	3391.08	-	48.41	0.00	3,342.67

TABLE 1

2013 GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 4	03/06/06	PLUGGED & ABANDONED				
MW - 5	*02/14/13*	3391.53	-	47.98	0.00	3,343.55
MW - 5	*05/28/13*	3391.53	-	47.90	0.00	3,343.63
MW - 5	*08/06/13*	3391.53	-	48.22	0.00	3,343.31
MW - 5	*11/07/13*	3391.53	-	48.56	0.00	3,342.97
MW - 6	*02/14/13*	3391.14	-	48.48	0.00	3,342.66
MW - 6	*05/28/13*	3391.14	-	48.42	0.00	3,342.72
MW - 6	*08/06/13*	3391.14	-	48.79	0.00	3,342.35
MW - 6	*11/07/13*	3391.14	-	49.12	0.00	3,342.02
MW - 7	*02/14/13*	3391.21	-	48.36	0.00	3,342.85
MW - 7	*05/28/13*	3391.21	-	48.32	0.00	3,342.89
MW - 7	*08/06/13*	3391.21	-	48.69	0.00	3,342.52
MW - 7	*11/07/13*	3391.21	-	49.04	0.00	3,342.17
MW - 8	*02/14/13*	3391.14	-	48.39	0.00	3,342.75
MW - 8	*05/28/13*	3391.14	-	48.34	0.00	3,342.80
MW - 8	*08/06/13*	3391.14	-	48.11	0.00	3,343.03
MW - 8	*11/07/13*	3391.14	-	49.06	0.00	3,342.08
MW - 9	01/14/13	3391.47	-	48.27	0.00	3,343.20
MW - 9	*02/14/13*	3391.47	-	48.23	0.00	3,343.24
MW - 9	03/29/13	3391.47	-	48.17	0.00	3,343.30
MW - 9	04/19/13	3391.47	-	48.19	0.00	3,343.28
MW - 9	04/30/13	3391.47	-	48.14	0.00	3,343.33
MW - 9	05/23/13	3391.47	-	48.24	0.00	3,343.23
MW - 9	*05/28/13*	3391.47	-	48.20	0.00	3,343.27
MW - 9	05/30/13	3391.47	-	48.21	0.00	3,343.26
MW - 9	06/06/13	3391.47	-	48.32	0.00	3,343.15
MW - 9	06/13/13	3391.47	-	48.35	0.00	3,343.12
MW - 9	06/19/13	3391.47	-	48.31	0.00	3,343.16
MW - 9	07/30/13	3391.47	-	48.58	0.00	3,342.89
MW - 9	*08/06/13*	3391.47	-	48.54	0.00	3,342.93
MW - 9	08/09/13	3391.47	-	48.63	0.00	3,342.84
MW - 9	08/30/13	3391.47	-	48.69	0.00	3,342.78
MW - 9	09/12/13	3391.47	-	48.73	0.00	3,342.74
MW - 9	10/03/13	3391.47	-	48.74	0.00	3,342.73
MW - 9	11/01/13	3391.47	-	48.85	0.00	3,342.62
MW - 9	*11/07/13*	3391.47	-	48.87	0.00	3,342.60
MW - 9	12/10/13	3391.47	-	48.80	0.00	3,342.67
MW - 10	01/14/13	3391.26	47.97	49.60	1.63	3,343.05
MW - 10	*02/14/13*	3391.26	47.94	49.73	1.79	3,343.05
MW - 10	03/29/13	3391.26	47.89	49.61	1.72	3,343.11

TABLE 1

2013 GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 10	04/19/13	3391.26	47.89	49.59	1.70	3,343.12
MW - 10	04/30/13	3391.26	47.86	49.39	1.53	3,343.17
MW - 10	05/23/13	3391.26	47.89	49.72	1.83	3,343.10
MW - 10	*05/28/13*	3391.26	47.98	49.38	1.40	3,343.07
MW - 10	05/30/13	3391.26	47.92	49.43	1.51	3,343.11
MW - 10	06/06/13	3391.26	48.01	49.72	1.71	3,342.99
MW - 10	06/13/13	3391.26	48.04	49.66	1.62	3,342.98
MW - 10	06/19/13	3391.26	48.03	49.54	1.51	3,343.00
MW - 10	07/30/13	3391.26	48.15	50.59	2.44	3,342.74
MW - 10	*08/06/13*	3391.26	48.17	50.49	2.32	3,342.74
MW - 10	08/09/13	3391.26	48.22	50.61	2.39	3,342.68
MW - 10	08/30/13	3391.26	48.27	50.63	2.36	3,342.64
MW - 10	09/12/13	3391.26	48.38	50.43	2.05	3,342.57
MW - 10	10/03/13	3391.26	48.38	50.43	2.05	3,342.57
MW - 10	11/01/13	3391.26	48.48	50.74	2.26	3,342.44
MW - 10	*11/07/13*	3391.26	48.60	50.18	1.58	3,342.42
MW - 10	12/10/13	3391.26	48.41	49.60	1.19	3,342.67
MW - 11	*02/14/13*	3390.73	-	47.75	0.00	3,342.98
MW - 11	*05/28/13*	3390.73	-	47.73	0.00	3,343.00
MW - 11	*08/06/13*	3390.73	-	48.09	0.00	3,342.64
MW - 11	*11/07/13*	3390.73	-	48.41	0.00	3,342.32

TABLE 2

2013 CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05 A
LEA COUNTY, NEW MEXICO
NMOCD Reference #AP-12

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD Regulatory Limit		**0.010**	**0.750**	**0.750**	**0.620**	
MW - 1	02/14/13	**1.84**	<0.0200	0.0993	0.0993	
MW - 1	05/28/13	**0.86**	<0.0100	0.2160	<0.01	
MW - 1	08/06/13	**1.26**	0.0118	0.2660	0.0686	
MW - 1	11/07/13	**1.40**	<0.0500	0.1900	<0.150	
MW - 2	02/14/13	Not Sampled Due to PSH in Well				
MW - 2	05/28/13	Not Sampled Due to PSH in Well				
MW - 2	08/06/13	Not Sampled Due to PSH in Well				
MW - 2	11/07/13	Not Sampled Due to PSH in Well				
MW - 3	02/14/13	Not Sampled on Current Sample Schedule				
MW - 3	05/28/13	Not Sampled on Current Sample Schedule				
MW - 3	08/06/13	Not Sampled on Current Sample Schedule				
MW - 3	11/07/13	<0.001	<0.001	<0.001	<0.00300	
MW - 4	03/06/06	Plugged and Abandoned				
MW - 5	02/14/13	Not Sampled on Current Sample Schedule				
MW - 5	05/28/13	Not Sampled on Current Sample Schedule				
MW - 5	08/06/13	Not Sampled on Current Sample Schedule				
MW - 5	11/07/13	<0.001	<0.001	<0.001	<0.00300	
MW - 6	02/14/13	<0.001	<0.001	<0.001	<0.001	
MW - 6	05/28/13	<0.001	<0.001	<0.001	<0.001	
MW - 6	08/06/13	<0.001	<0.001	<0.001	<0.001	
MW - 6	11/07/13	<0.001	<0.001	<0.001	<0.00300	
MW - 7	02/14/13	Not Sampled on Current Sample Schedule				
MW - 7	05/28/13	<0.001	<0.001	<0.001	<0.001	
MW - 7	08/06/13	Not Sampled on Current Sample Schedule				
MW - 7	11/07/13	<0.001	<0.001	<0.001	<0.00300	
MW - 8	02/14/13	<0.001	<0.001	<0.001	<0.001	
MW - 8	05/28/13	<0.001	<0.001	<0.001	<0.001	
MW - 8	08/06/13	<0.001	<0.001	<0.001	<0.001	
MW - 8	11/07/13	<0.001	<0.001	<0.001	<0.00300	
MW - 9	02/14/13	Not Sampled on Current Sample Schedule				
MW - 9	05/28/13	<0.001	<0.001	<0.001	<0.001	
MW - 9	08/06/13	Not Sampled on Current Sample Schedule				
MW - 9	11/07/13	<0.001	<0.001	<0.001	<0.00300	

TABLE 2

2013 CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05 A
LEA COUNTY, NEW MEXICO
NMOCD Reference #AP-12

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD Regulatory Limit		**0.010**	**0.750**	**0.750**	**0.620**	
MW - 10	02/14/13	Not Sampled due to PSH in Well				
MW - 10	05/28/13	Not Sampled due to PSH in Well				
MW - 10	08/06/13	Not Sampled due to PSH in Well				
MW - 10	11/07/13	Not Sampled due to PSH in Well				
MW - 11	02/14/13	Not Sampled on Current Sample Schedule				
MW - 11	05/28/13	<0.001	<0.001	<0.001	<0.001	
MW - 11	08/06/13	Not Sampled on Current Sample Schedule				
MW - 11	11/07/13	<0.001	<0.001	<0.001	<0.00300	

TABLE 3

POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-12

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	11/19/08	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	**0.00193**	<0.000917	<0.000917	**0.0104**	<0.000917	**0.014**	<0.000917	**0.047**	**0.0806**	**0.0587**	0.0152
	11/11/09	<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	**0.0110**	<0.000917	**0.0257**	**0.0706**	**0.0474**	0.0103
	11/05/10	<0.00188	<0.00188	<0.00188	<0.00188	<0.00188	<0.00188	<0.00188	<0.00188	<0.00188	<0.00188	<0.00188	**0.0114**	<0.00188	**0.0250**	<0.00188	**0.0407**	**0.138**	**0.0768**	0.0219
	12/16/11	<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	**0.0132**	<0.000185	**0.0116**	**0.0343**	**0.0171**	0.0144
	11/15/12	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	**0.0236**	<0.000189	**0.0354**	**0.101**	**0.0632**	**0.0286**
	11/07/13	<0.000200	0.213	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	**0.494**	**0.112**	**0.388**	<0.000200	**0.610**	**1.21**	**0.0632**	**21.4**
MW-2	11/19/08	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	**0.00525**	<0.000922	**0.00739**	<0.000922	**0.0163**	**0.0252**	**0.0335**	0.00806
	11/11/09	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	**0.0114**	<0.000922	**0.0488**	**0.0930**	**0.0735**	0.0116
	11/05/10	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	**0.00106**	<0.000186	**0.00238**	<0.000186	0.00139	0.00528	0.000936	0.00168
	12/16/11	<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	**0.00346**	<0.000185	0.00324	0.00714	0.00306	0.00263
	11/15/12	Not Sampled Due to the Presence of PSH.																		
	11/07/13	Not Sampled Due to the Presence of PSH.																		
MW-3	11/19/08	<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	0.00022	<0.000184	<0.000184	<0.000184
	11/11/09	<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	<0.000184
	11/05/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/16/11	Not Sampled as part of Quarterly Monitoring Event.																		
	11/15/12	Not Sampled as part of Quarterly Monitoring Event.																		
	11/07/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	11/19/08	<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
	11/11/09	<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
	11/05/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/16/11	Not Sampled as part of Quarterly Monitoring Event.																		
	11/15/12	Not Sampled as part of Quarterly Monitoring Event.																		
	11/07/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-6	11/19/08	<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
	11/11/09	<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
	11/05/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/16/11	Not Sampled as part of Quarterly Monitoring Event.																		
	11/07/13	Not Sampled as part of Quarterly Monitoring Event.																		

TABLE 3

POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-12

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	11/19/08	<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
	11/11/09	<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	<0.000184
	11/05/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/16/11	Not Sampled as part of Quarterly Monitoring Event.																		
	11/07/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-8	11/19/08	<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
	11/11/09	<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	<0.000184
	11/05/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/16/11	Not Sampled as part of Quarterly Monitoring Event.																		
	11/15/12	Not Sampled as part of Quarterly Monitoring Event.																		
	11/07/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-9	11/19/08	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	**0.00427**	<0.000935	**0.00553**	<0.000935	0.00202	0.00876	0.00297	0.00586
	11/11/09	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	**0.00358**	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922
	11/05/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/16/11	<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
	11/15/12	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189
	11/07/13	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189
MW-10	11/19/08	<0.00367	<0.00367	<0.00367	<0.00367	<0.00367	<0.00367	<0.00367	<0.00367	<0.00367	<0.00367	<0.00367	**0.050**	<0.00367	**0.0652**	<0.00367	**0.175**	**0.412**	**0.380**	0.0765
	11/11/09	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	**0.0101**	<0.000922	**0.0474**	**0.0934**	**0.0713**	0.0125
	11/05/10	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	**0.00495**	<0.000188	**0.00732**	<0.000188	**0.0358**	**0.0569**	**0.041**	0.00602
	12/16/11	<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	**0.0151**	<0.000184	**0.0652**	**0.0901**	**0.0815**	0.0200
	11/15/12	Not Sampled due to the presence of PSH																		
	11/07/13	Not Sampled due to the presence of PSH																		
MW-11	11/19/08	<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
	11/11/09	<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
	11/05/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/16/11	Not Sampled as part of Quarterly Monitoring Event.																		
	11/15/12	Not Sampled as part of Quarterly Monitoring Event.																		
	11/07/13	Not Sampled as part of Quarterly Monitoring Event.																		

District I - (505) 393-6161
P.O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 South First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

98-05A

Form C-141
Originated 2/13/97

Submit 2 copies to Appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action
OPERATOR

☒ Initial Report ☐ Final Report

Name: Texas-New Mexico Pipe Line Company	Contact: Edwin H. Gripp
Address: Box 60028	Telephone No.: 915-947-9000
Facility Name: San Angelo, TX 76906	Facility Type: pipe line

Surface Owner	Mineral Owner	Lease No.
Nadine Owen		

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	26	21S	37E					Lea

NATURE OF RELEASE

Type of Release: Sour Crude	Volume of Release: 38 barrels / Volume Recovered: 4 barrels
Source of Release: 6" gathering line	Date and Hour of Occurrence: Unknown / Date and Hour of Discovery: 2/5/98; 10:25 a.m.
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Linda Williams (Clerk #4)
By Whom? Johnny W. Chapman	Date and Hour: 2/5/98; 3:00 p.m.
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse: N/A

If a Watercourse was Impacted, Describe Fully.*
N/A

Describe Cause of Problem and Remedial Action Taken.*
Internal Corrosion
Leak successfully clamped off.

Describe Area Affected and Cleanup Action Taken.*
Approximately 1260 sq.ft. pasture land.
Contaminated soil will be excavated and put on plastic.

Describe General Conditions Prevailing (Temperature, Precipitation, etc.).*
Cloudy; 60 degrees

I hereby certify that the information given above is true and complete to the best of my knowledge and belief.
Signature: Edwin H. Gripp
Printed Name: Edwin H. Gripp
Title: District Manager
Date: 2/12/98 Phone: 915-947-9000

OIL CONSERVATION DIVISION
Approved by District Supervisor:
Approval Date: Expiration Date:
Conditions of Approval: Attached ☐

* Attach Additional Sheets If Necessary

State Corp. Commission — Hazardous Waste Section

Summary Report

Camille Bryant
Nova Safety & Environmental
2057 Commerce St.
Midland, TX 79703

Report Date: February 22, 2013

Work Order: 13021528

Project Location: Lea Co., NM
Project Name: 9805-A
Project Number: TNM 98-05A
SRS #: TNM-98-05-A

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
321273	MW-6	water	2013-02-14	11:10	2013-02-15
321274	MW-8	water	2013-02-14	11:07	2013-02-15
321275	MW-1	water	2013-02-14	10:50	2013-02-15

	BTEX			
Sample - Field Code	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
321273 - MW-6	<0.00100 Qr	<0.00100 Qr	<0.00100 Qr	<0.00100 Qr
321274 - MW-8	<0.00100 Qr	<0.00100 Qr	<0.00100 Qr	<0.00100 Qr
321275 - MW-1	**1.84**	<0.0200	**0.0993**	**0.0993**

This is only a summary. Please, refer to the complete report package for quality control data.

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 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
(BioAquatic) 2501 Mayes Rd., Suite 100 Carrollton, Texas 75006 972•242•7750
E-Mail: lab@traceanalysis.com WEB: www.traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Camille Bryant
Nova Safety & Environmental
2057 Commerce St.
Midland, TX, 79703

Report Date: February 22, 2013

Work Order: 13021528

Project Location: Lea Co., NM
Project Name: 9805-A
Project Number: TNM 98-05A
SRS #: TNM-98-05-A

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
321273	MW-6	water	2013-02-14	11:10	2013-02-15
321274	MW-8	water	2013-02-14	11:07	2013-02-15
321275	MW-1	water	2013-02-14	10:50	2013-02-15

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

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Case Narrative

Samples for project 9805-A were received by TraceAnalysis, Inc. on 2013-02-15 and assigned to work order 13021528. Samples for work order 13021528 were received intact without headspace and at a temperature of 3.8 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	83955	2013-02-19 at 17:00	99094	2013-02-19 at 17:00
BTEX	S 8021B	84024	2013-02-21 at 16:00	99189	2013-02-21 at 16:00

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 13021528 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: 321273 - MW-6

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	99094	Date Analyzed:	2013-02-19	Analyzed By:	YG
Prep Batch:	83955	Sample Preparation:	2013-02-19	Prepared By:	YG

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.105	mg/L	1	0.100	105	75.7 - 109
4-Bromofluorobenzene (4-BFB)			0.100	mg/L	1	0.100	100	68.1 - 109

Sample: 321274 - MW-8

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	99094	Date Analyzed:	2013-02-19	Analyzed By:	YG
Prep Batch:	83955	Sample Preparation:	2013-02-19	Prepared By:	YG

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.103	mg/L	1	0.100	103	75.7 - 109
4-Bromofluorobenzene (4-BFB)			0.0992	mg/L	1	0.100	99	68.1 - 109

Sample: 321275 - MW-1

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	99189	Date Analyzed:	2013-02-21	Analyzed By:	YG
Prep Batch:	84024	Sample Preparation:	2013-02-21	Prepared By:	YG

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Benzene		1	**1.84**	mg/L	20	0.00100
Toluene	U	1	<0.0200	mg/L	20	0.00100
Ethylbenzene		1	**0.0993**	mg/L	20	0.00100
Xylene		1	**0.0993**	mg/L	20	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.14	mg/L	20	2.00	107	75.7 - 109
4-Bromofluorobenzene (4-BFB)			2.09	mg/L	20	2.00	104	68.1 - 109

Method Blanks

Method Blank (1) QC Batch: 99094

QC Batch: 99094 | Date Analyzed: 2013-02-19 | Analyzed By: YG
Prep Batch: 83955 | QC Preparation: 2013-02-19 | Prepared By: YG

Parameter	Flag	Cert	MDL Result	Units	RL
Benzene		1	<0.000200	mg/L	0.001
Toluene		1	<0.000300	mg/L	0.001
Ethylbenzene		1	<0.000400	mg/L	0.001
Xylene		1	<0.00120	mg/L	0.001

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.105	mg/L	1	0.100	105	75.7 - 109
4-Bromofluorobenzene (4-BFB)			0.100	mg/L	1	0.100	100	68.1 - 109

Method Blank (1) QC Batch: 99189

QC Batch: 99189 | Date Analyzed: 2013-02-21 | Analyzed By: YG
Prep Batch: 84024 | QC Preparation: 2013-02-21 | Prepared By: YG

Parameter	Flag	Cert	MDL Result	Units	RL
Benzene		1	<0.000200	mg/L	0.001
Toluene		1	<0.000300	mg/L	0.001
Ethylbenzene		1	<0.000400	mg/L	0.001
Xylene		1	<0.00120	mg/L	0.001

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0996	mg/L	1	0.100	100	75.7 - 109
4-Bromofluorobenzene (4-BFB)			0.101	mg/L	1	0.100	101	68.1 - 109

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 99094 | Date Analyzed: 2013-02-19 | Analyzed By: YG
Prep Batch: 83955 | QC Preparation: 2013-02-19 | Prepared By: YG

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.103	mg/L	1	0.100	<0.000200	103	80 - 120
Toluene		1	0.105	mg/L	1	0.100	<0.000300	105	80 - 120
Ethylbenzene		1	0.109	mg/L	1	0.100	<0.000400	109	70.6 - 120
Xylene		1	0.337	mg/L	1	0.300	<0.00120	112	79.2 - 120

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	0.102	mg/L	1	0.100	<0.000200	102	80 - 120	1	20
Toluene		1	0.103	mg/L	1	0.100	<0.000300	103	80 - 120	2	20
Ethylbenzene		1	0.108	mg/L	1	0.100	<0.000400	108	70.6 - 120	1	20
Xylene		1	0.334	mg/L	1	0.300	<0.00120	111	79.2 - 120	1	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.106	0.105	mg/L	1	0.100	106	105	75.7 - 109
4-Bromofluorobenzene (4-BFB)	0.102	0.102	mg/L	1	0.100	102	102	68.1 - 109

Laboratory Control Spike (LCS-1)

QC Batch: 99189 | Date Analyzed: 2013-02-21 | Analyzed By: YG
Prep Batch: 84024 | QC Preparation: 2013-02-21 | Prepared By: YG

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.103	mg/L	1	0.100	<0.000200	103	80 - 120
Toluene		1	0.104	mg/L	1	0.100	<0.000300	104	80 - 120
Ethylbenzene		1	0.108	mg/L	1	0.100	<0.000400	108	70.6 - 120
Xylene		1	0.336	mg/L	1	0.300	<0.00120	112	79.2 - 120

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	0.101	mg/L	1	0.100	<0.000200	101	80 - 120	2	20
Toluene		1	0.103	mg/L	1	0.100	<0.000300	103	80 - 120	1	20
Ethylbenzene		1	0.107	mg/L	1	0.100	<0.000400	107	70.6 - 120	1	20
Xylene		1	0.331	mg/L	1	0.300	<0.00120	110	79.2 - 120	2	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.100	0.101	mg/L	1	0.100	100	101	75.7 - 109
4-Bromofluorobenzene (4-BFB)	0.103	0.104	mg/L	1	0.100	103	104	68.1 - 109

Matrix Spike (MS-1) Spiked Sample: 321195

QC Batch: 99094 | Date Analyzed: 2013-02-19 | Analyzed By: YG
Prep Batch: 83955 | QC Preparation: 2013-02-19 | Prepared By: YG

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene [1]		1	0.0434	mg/L	1	0.100	<0.000200	43	25.7 - 139
Toluene		1	0.0456	mg/L	1	0.100	<0.000300	46	32.7 - 134
Ethylbenzene		1	0.0499	mg/L	1	0.100	<0.000400	50	45.9 - 120
Xylene		1	0.156	mg/L	1	0.300	<0.00120	52	34.9 - 128

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] Qr	Qr	1	0.0764	mg/L	1	0.100	<0.000200	76	25.7 - 139	55	20
Toluene	Qr	1	0.0767	mg/L	1	0.100	<0.000300	77	32.7 - 134	51	20
Ethylbenzene	Qr	1	0.0809	mg/L	1	0.100	<0.000400	81	45.9 - 120	47	20
Xylene	Qr	1	0.251	mg/L	1	0.300	<0.00120	84	34.9 - 128	47	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)	0.105	0.104	mg/L	1	0.1	105	104	75.7 - 109
4-Bromofluorobenzene (4-BFB)	0.101	0.101	mg/L	1	0.1	101	101	68.1 - 109

Matrix Spike (MS-1) Spiked Sample: 321275

QC Batch: 99189 | Date Analyzed: 2013-02-21 | Analyzed By: YG
Prep Batch: 84024 | QC Preparation: 2013-02-21 | Prepared By: YG

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	3.93	mg/L	20	2.00	1.84	104	25.7 - 139
Toluene		1	2.07	mg/L	20	2.00	<0.00600	104	32.7 - 134
Ethylbenzene		1	2.25	mg/L	20	2.00	0.0993	108	45.9 - 120
Xylene		1	6.75	mg/L	20	6.00	0.0993	111	34.9 - 128

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		1	3.89	mg/L	20	2.00	1.84	102	25.7 - 139	1	20
Toluene		1	2.07	mg/L	20	2.00	<0.00600	104	32.7 - 134	0	20
Ethylbenzene		1	2.25	mg/L	20	2.00	0.0993	108	45.9 - 120	0	20
Xylene		1	6.75	mg/L	20	6.00	0.0993	111	34.9 - 128	0	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.97	2.13	mg/L	20	2	98	106	75.7 - 109
4-Bromofluorobenzene (4-BFB)	2.10	2.09	mg/L	20	2	105	104	68.1 - 109

Calibration Standards

Standard (CCV-1)

QC Batch: 99094 | Date Analyzed: 2013-02-19 | Analyzed By: YG

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.102	102	80 - 120	2013-02-19
Toluene		1	mg/L	0.100	0.104	104	80 - 120	2013-02-19
Ethylbenzene		1	mg/L	0.100	0.108	108	80 - 120	2013-02-19
Xylene		1	mg/L	0.300	0.335	112	80 - 120	2013-02-19

Standard (CCV-2)

QC Batch: 99094 | Date Analyzed: 2013-02-19 | Analyzed By: YG

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.103	103	80 - 120	2013-02-19
Toluene		1	mg/L	0.100	0.104	104	80 - 120	2013-02-19
Ethylbenzene		1	mg/L	0.100	0.108	108	80 - 120	2013-02-19
Xylene		1	mg/L	0.300	0.336	112	80 - 120	2013-02-19

Standard (CCV-3)

QC Batch: 99094 | Date Analyzed: 2013-02-19 | Analyzed By: YG

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.103	103	80 - 120	2013-02-19
Toluene		1	mg/L	0.100	0.104	104	80 - 120	2013-02-19
Ethylbenzene		1	mg/L	0.100	0.108	108	80 - 120	2013-02-19
Xylene		1	mg/L	0.300	0.336	112	80 - 120	2013-02-19

Standard (CCV-1)

QC Batch: 99189 | Date Analyzed: 2013-02-21 | Analyzed By: YG

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.102	102	80 - 120	2013-02-21
Toluene		1	mg/L	0.100	0.104	104	80 - 120	2013-02-21
Ethylbenzene		1	mg/L	0.100	0.109	109	80 - 120	2013-02-21
Xylene		1	mg/L	0.300	0.336	112	80 - 120	2013-02-21

Standard (CCV-2)

QC Batch: 99189 | Date Analyzed: 2013-02-21 | Analyzed By: YG

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.103	103	80 - 120	2013-02-21
Toluene		1	mg/L	0.100	0.106	106	80 - 120	2013-02-21
Ethylbenzene		1	mg/L	0.100	0.108	108	80 - 120	2013-02-21
Xylene		1	mg/L	0.300	0.339	113	80 - 120	2013-02-21

Standard (CCV-3)

QC Batch: 99189 | Date Analyzed: 2013-02-21 | Analyzed By: YG

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.102	102	80 - 120	2013-02-21
Toluene		1	mg/L	0.100	0.105	105	80 - 120	2013-02-21
Ethylbenzene		1	mg/L	0.100	0.110	110	80 - 120	2013-02-21
Xylene		1	mg/L	0.300	0.347	116	80 - 120	2013-02-21

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	T104704392-12-4	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.
MI1	Split peak or shoulder peak
MI2	Instrument software did not integrate
MI3	Instrument software misidentified the peak
MI4	Instrument software integrated improperly
MI5	Baseline correction
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

Result Comments

1 Matrix effect.
2 Matrix effect.

Attachments

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

LAB Order ID # 13021528

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

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

Company Name: NOVA
Phone #: (432) 520-7720
Address: (Street, City, Zip) 2057 Commerce Dr
Fax #:
Contact Person: Camille Bryant
E-mail:
Invoice to: (If different from above)
Project #: TNM-98-05A
Project Name: 98-05A
Project Location (including state): 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
321273	MW-6	3	VOA's	X				X				X		2-14-13	1110
274	MW-8	1	1	1				1				1		1	1107
275	MW-1	1	1	1				1				1		1	1050

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, F, SO_4, NO_3-N, NO_2-N, PO_4-P, Alkalinity	Na, Ca, Mg, K, TDS, EC	Turn Around Time if different from standard	Hold
	X																				
	1																				
	1																				

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
	NOVA	2-15-13	1153		TA	2/15/13	1153	INST 4°C
								OBS 3.8°C
								COR 3.8°C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
								INST ____°C
								OBS ____°C
								COR ____°C
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: Midland all

- [ ] 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 # Carma

ORIGINAL COPY

Summary Report

Camille Bryant
Nova Safety & Environmental
2057 Commerce St.
Midland, TX 79703

Report Date: June 5, 2013

Work Order: 13052903

Project Location: Lea Co., NM
Project Name: 9805-A
Project Number: TNM 98-05A
SRS #: TNM-98-05-A

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
330318	MW-7	water	2013-05-28	15:48	2013-05-29
330319	MW-9	water	2013-05-28	15:30	2013-05-29
330320	MW-11	water	2013-05-28	15:32	2013-05-29
330321	MW-6	water	2013-05-28	16:21	2013-05-29
330322	MW-8	water	2013-05-28	16:10	2013-05-29
330323	MW-1	water	2013-05-28	15:54	2013-05-29

	BTEX			
Sample - Field Code	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
330318 - MW-7	<0.00100 Qs	<0.00100 Qs	<0.00100 Qs	<0.00100 Qs
330319 - MW-9	<0.00100 Qs	<0.00100 Qs	<0.00100 Qs	<0.00100 Qs
330320 - MW-11	<0.00100 Qs	<0.00100 Qs	<0.00100 Qs	<0.00100 Qs
330321 - MW-6	<0.00100 Qs	<0.00100 Qs	<0.00100 Qs	<0.00100 Qs
330322 - MW-8	<0.00100 Qs	<0.00100 Qs	<0.00100 Qs	<0.00100 Qs
330323 - MW-1	**0.860** Qs	<0.0100	**0.216**	<0.0100

This is only a summary. Please, refer to the complete report package for quality control data.

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 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
(BioAquatic) 2501 Mayes Rd., Suite 100 Carrollton, Texas 75006 972•242•7750
E-Mail: lab@traceanalysis.com WEB: www.traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Camille Bryant
Nova Safety & Environmental
2057 Commerce St.
Midland, TX, 79703

Report Date: June 5, 2013

Work Order: 13052903

Project Location: Lea Co., NM
Project Name: 9805-A
Project Number: TNM 98-05A
SRS #: TNM-98-05-A

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
330318	MW-7	water	2013-05-28	15:48	2013-05-29
330319	MW-9	water	2013-05-28	15:30	2013-05-29
330320	MW-11	water	2013-05-28	15:32	2013-05-29
330321	MW-6	water	2013-05-28	16:21	2013-05-29
330322	MW-8	water	2013-05-28	16:10	2013-05-29
330323	MW-1	water	2013-05-28	15:54	2013-05-29

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

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

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Case Narrative

Samples for project 9805-A were received by TraceAnalysis, Inc. on 2013-05-29 and assigned to work order 13052903. Samples for work order 13052903 were received intact without headspace and at a temperature of 3.2 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	86338	2013-05-30 at 12:00	101900	2013-05-31 at 12:26
BTEX	S 8021B	86406	2013-06-03 at 15:00	101986	2013-06-04 at 14:58

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 13052903 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: 330318 - MW-7

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	101900	Date Analyzed:	2013-05-31	Analyzed By:	KC
Prep Batch:	86338	Sample Preparation:	2013-05-30	Prepared By:	KC

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0821	mg/L	1	0.100	82	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0806	mg/L	1	0.100	81	70 - 130

Sample: 330319 - MW-9

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	101900	Date Analyzed:	2013-05-31	Analyzed By:	KC
Prep Batch:	86338	Sample Preparation:	2013-05-30	Prepared By:	KC

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0813	mg/L	1	0.100	81	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0804	mg/L	1	0.100	80	70 - 130

Sample: 330320 - MW-11

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	101900	Date Analyzed:	2013-05-31	Analyzed By:	KC
Prep Batch:	86338	Sample Preparation:	2013-05-30	Prepared By:	KC

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0862	mg/L	1	0.100	86	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0854	mg/L	1	0.100	85	70 - 130

Sample: 330321 - MW-6

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	101900	Date Analyzed:	2013-05-31	Analyzed By:	KC
Prep Batch:	86338	Sample Preparation:	2013-05-30	Prepared By:	KC

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0859	mg/L	1	0.100	86	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0849	mg/L	1	0.100	85	70 - 130

Sample: 330322 - MW-8

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	101900	Date Analyzed:	2013-05-31	Analyzed By:	KC
Prep Batch:	86338	Sample Preparation:	2013-05-30	Prepared By:	KC

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0826	mg/L	1	0.100	83	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0818	mg/L	1	0.100	82	70 - 130

Sample: 330323 - MW-1

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	101986	Date Analyzed:	2013-06-04	Analyzed By:	KC
Prep Batch:	86406	Sample Preparation:	2013-06-03	Prepared By:	KC

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Benzene	Qs	1	**0.860**	mg/L	10	0.00100
Toluene	U	1	<0.0100	mg/L	10	0.00100
Ethylbenzene		1	**0.216**	mg/L	10	0.00100
Xylene	U	1	<0.0100	mg/L	10	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.870	mg/L	10	1.00	87	70 - 130
4-Bromofluorobenzene (4-BFB)			0.931	mg/L	10	1.00	93	70 - 130

Method Blanks

Method Blank (1) QC Batch: 101900

QC Batch: 101900 | Date Analyzed: 2013-05-31 | Analyzed By: KC
Prep Batch: 86338 | QC Preparation: 2013-05-30 | Prepared By: KC

Parameter	Flag	Cert	MDL Result	Units	RL
Benzene		1	<0.000200	mg/L	0.001
Toluene		1	<0.000300	mg/L	0.001
Ethylbenzene		1	<0.000400	mg/L	0.001
Xylene		1	<0.00120	mg/L	0.001

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0908	mg/L	1	0.100	91	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0876	mg/L	1	0.100	88	70 - 130

Method Blank (1) QC Batch: 101986

QC Batch: 101986 | Date Analyzed: 2013-06-04 | Analyzed By: KC
Prep Batch: 86406 | QC Preparation: 2013-06-03 | Prepared By: KC

Parameter	Flag	Cert	MDL Result	Units	RL
Benzene		1	<0.000200	mg/L	0.001
Toluene		1	<0.000300	mg/L	0.001
Ethylbenzene		1	<0.000400	mg/L	0.001
Xylene		1	<0.00120	mg/L	0.001

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0880	mg/L	1	0.100	88	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0870	mg/L	1	0.100	87	70 - 130

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 101900 | Date Analyzed: 2013-05-31 | Analyzed By: KC
Prep Batch: 86338 | QC Preparation: 2013-05-30 | Prepared By: KC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.0740	mg/L	1	0.100	<0.000200	74	70 - 130
Toluene		1	0.0769	mg/L	1	0.100	<0.000300	77	70 - 130
Ethylbenzene		1	0.0776	mg/L	1	0.100	<0.000400	78	70 - 130
Xylene		1	0.227	mg/L	1	0.300	<0.00120	76	70 - 130

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	Qs Qs	1	0.0676	mg/L	1	0.100	<0.000200	68	70 - 130	9	20
Toluene	Qs Qs	1	0.0695	mg/L	1	0.100	<0.000300	70	70 - 130	10	20
Ethylbenzene	Qs Qs	1	0.0687	mg/L	1	0.100	<0.000400	69	70 - 130	12	20
Xylene	Qs Qs	1	0.204	mg/L	1	0.300	<0.00120	68	70 - 130	11	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)	0.0848	0.0896	mg/L	1	0.100	85	90	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0879	0.0924	mg/L	1	0.100	88	92	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 101986 | Date Analyzed: 2013-06-04 | Analyzed By: KC
Prep Batch: 86406 | QC Preparation: 2013-06-03 | Prepared By: KC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.0868	mg/L	1	0.100	<0.000200	87	70 - 130
Toluene		1	0.0914	mg/L	1	0.100	<0.000300	91	70 - 130
Ethylbenzene		1	0.0924	mg/L	1	0.100	<0.000400	92	70 - 130
Xylene		1	0.270	mg/L	1	0.300	<0.00120	90	70 - 130

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	0.0799	mg/L	1	0.100	<0.000200	80	70 - 130	8	20
Toluene		1	0.0882	mg/L	1	0.100	<0.000300	88	70 - 130	4	20
Ethylbenzene		1	0.0898	mg/L	1	0.100	<0.000400	90	70 - 130	3	20
Xylene		1	0.261	mg/L	1	0.300	<0.00120	87	70 - 130	3	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0822	0.0901	mg/L	1	0.100	82	90	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0917	0.0923	mg/L	1	0.100	92	92	70 - 130

Matrix Spike (MS-1) Spiked Sample: 330161

QC Batch: 101900 | Date Analyzed: 2013-05-31 | Analyzed By: KC
Prep Batch: 86338 | QC Preparation: 2013-05-30 | Prepared By: KC

Param		F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	Qs	Qs	1	0.0362	mg/L	1	0.100	<0.000200	36	70 - 130
Toluene	Qs	Qs	1	0.0377	mg/L	1	0.100	<0.000300	38	70 - 130
Ethylbenzene	Qs	Qs	1	0.0398	mg/L	1	0.100	<0.000400	40	70 - 130
Xylene	Qs	Qs	1	0.116	mg/L	1	0.300	<0.00120	39	70 - 130

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	Qs	Qs	1	0.0383	mg/L	1	0.100	<0.000200	38	70 - 130	6	20
Toluene	Qs	Qs	1	0.0389	mg/L	1	0.100	<0.000300	39	70 - 130	3	20
Ethylbenzene	Qs	Qs	1	0.0389	mg/L	1	0.100	<0.000400	39	70 - 130	2	20
Xylene	Qs	Qs	1	0.113	mg/L	1	0.300	<0.00120	38	70 - 130	3	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0882	0.0831	mg/L	1	0.1	88	83	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0899	0.0841	mg/L	1	0.1	90	84	70 - 130

Matrix Spike (MS-1) Spiked Sample: 330650

QC Batch: 101986 | Date Analyzed: 2013-06-04 | Analyzed By: KC
Prep Batch: 86406 | QC Preparation: 2013-06-03 | Prepared By: KC

Param		F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	Qs	Qs	1	0.0698	mg/L	1	0.100	<0.000200	70	70 - 130
Toluene			1	0.0761	mg/L	1	0.100	<0.000300	76	70 - 130
Ethylbenzene			1	0.0762	mg/L	1	0.100	<0.000400	76	70 - 130
Xylene			1	0.221	mg/L	1	0.300	<0.00120	74	70 - 130

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	Qs	Qs	1	0.0699	mg/L	1	0.100	<0.000200	70	70 - 130	0	20
Toluene			1	0.0783	mg/L	1	0.100	<0.000300	78	70 - 130	3	20
Ethylbenzene			1	0.0799	mg/L	1	0.100	<0.000400	80	70 - 130	5	20
Xylene			1	0.232	mg/L	1	0.300	<0.00120	77	70 - 130	5	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)	0.0793	0.0857	mg/L	1	0.1	79	86	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0807	0.0869	mg/L	1	0.1	81	87	70 - 130

Calibration Standards

Standard (CCV-1)

QC Batch: 101900 | Date Analyzed: 2013-05-31 | Analyzed By: KC

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.0867	87	80 - 120	2013-05-31
Toluene		1	mg/L	0.100	0.0897	90	80 - 120	2013-05-31
Ethylbenzene		1	mg/L	0.100	0.0900	90	80 - 120	2013-05-31
Xylene		1	mg/L	0.300	0.263	88	80 - 120	2013-05-31

Standard (CCV-2)

QC Batch: 101900 | Date Analyzed: 2013-05-31 | Analyzed By: KC

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.0962	96	80 - 120	2013-05-31
Toluene		1	mg/L	0.100	0.0991	99	80 - 120	2013-05-31
Ethylbenzene		1	mg/L	0.100	0.0985	98	80 - 120	2013-05-31
Xylene		1	mg/L	0.300	0.287	96	80 - 120	2013-05-31

Standard (CCV-3)

QC Batch: 101900 | Date Analyzed: 2013-05-31 | Analyzed By: KC

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.0950	95	80 - 120	2013-05-31
Toluene		1	mg/L	0.100	0.0982	98	80 - 120	2013-05-31
Ethylbenzene		1	mg/L	0.100	0.0976	98	80 - 120	2013-05-31
Xylene		1	mg/L	0.300	0.284	95	80 - 120	2013-05-31

Standard (CCV-1)

QC Batch: 101986 | Date Analyzed: 2013-06-04 | Analyzed By: KC

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.0830	83	80 - 120	2013-06-04
Toluene		1	mg/L	0.100	0.0894	89	80 - 120	2013-06-04
Ethylbenzene		1	mg/L	0.100	0.0897	90	80 - 120	2013-06-04
Xylene		1	mg/L	0.300	0.260	87	80 - 120	2013-06-04

Standard (CCV-2)

QC Batch: 101986 | Date Analyzed: 2013-06-04 | Analyzed By: KC

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.0945	94	80 - 120	2013-06-04
Toluene		1	mg/L	0.100	0.0981	98	80 - 120	2013-06-04
Ethylbenzene		1	mg/L	0.100	0.0984	98	80 - 120	2013-06-04
Xylene		1	mg/L	0.300	0.288	96	80 - 120	2013-06-04

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	T104704392-12-4	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.
MI1	Split peak or shoulder peak
MI2	Instrument software did not integrate
MI3	Instrument software misidentified the peak
MI4	Instrument software integrated improperly
MI5	Baseline correction
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 # 13052903

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

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

Company Name: Nova — Phone #: 432 520 7720

Address: (Street, City, Zip) 2057 commerce Drive — Fax #:

Contact Person: Camille Bryant — E-mail:

Invoice to: (If different from above)

Project #: TNM-98-05A — Project Name: 9805A

Project Location (including state): new mexico — 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
320318	Mw-7	3	VOA	X				X				X		5/28/13	1548
319	Mw-9	3													1530
320	Mw-11	3													1532
321	Mw-6	3													1621
322	Mw-8	3													1610
323	Mw-1	3													1554

LAB # (LAB USE ONLY)	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, F, SO_4, NO_3-N, NO_2-N, PO_4-P, Alkalinity	Na, Ca, Mg, K, TDS, EC	Turn Around Time if different from standard	Hold
320318		X																			

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
John Flores	Nova	5/29/13	816		TA	5/29/13	8:16	INST K Y OBS 3.3 °C COR 3.2 °C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST ____ °C OBS ____ °C COR ____ °C
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: Midland - alp

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

Carrier # ____

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

ORIGINAL COPY

Summary Report

Camille Bryant
Nova Safety & Environmental
2057 Commerce St.
Midland, TX 79703

Report Date: August 13, 2013

Work Order: 13080707

Project Location: Lea Co., NM
Project Name: 9805-A
Project Number: TNM 98-05A
SRS #: TNM-98-05-A

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
337651	MW-6	water	2013-08-06	11:30	2013-08-07
337652	MW-8	water	2013-08-06	11:44	2013-08-07
337653	MW-1	water	2013-08-06	12:00	2013-08-07

	BTEX			
Sample - Field Code	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
337651 - MW-6	<0.00100	<0.00100	<0.00100	<0.00100
337652 - MW-8	<0.00100	<0.00100	<0.00100	<0.00100
337653 - MW-1	**1.26**	**0.0118**	**0.266**	**0.0686**

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
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5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
(BioAquatic) 2501 Mayes Rd., Suite 100 Carrollton, Texas 75006 972•242•7750
E-Mail: lab@traceanalysis.com WEB: www.traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Camille Bryant
Nova Safety & Environmental
2057 Commerce St.
Midland, TX, 79703

Report Date: August 13, 2013

Work Order: 13080707

Project Location: Lea Co., NM
Project Name: 9805-A
Project Number: TNM 98-05A
SRS #: TNM-98-05-A

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
337651	MW-6	water	2013-08-06	11:30	2013-08-07
337652	MW-8	water	2013-08-06	11:44	2013-08-07
337653	MW-1	water	2013-08-06	12:00	2013-08-07

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

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Case Narrative

Samples for project 9805-A were received by TraceAnalysis, Inc. on 2013-08-07 and assigned to work order 13080707. Samples for work order 13080707 were received intact without headspace and at a temperature of 4.5 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	87952	2013-08-07 at 16:30	103804	2013-08-08 at 09:39
BTEX	S 8021B	88082	2013-08-12 at 08:00	103957	2013-08-13 at 08:56

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 13080707 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: 337651 - MW-6

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	103804	Date Analyzed:	2013-08-08	Analyzed By:	KC
Prep Batch:	87952	Sample Preparation:	2013-08-07	Prepared By:	KC

Parameter	Flag	Cert	Result	RL 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)			0.0969	mg/L	1	0.100	97	70 - 130
4-Bromofluorobenzene (4-BFB)			0.102	mg/L	1	0.100	102	70 - 130

Sample: 337652 - MW-8

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	103804	Date Analyzed:	2013-08-08	Analyzed By:	KC
Prep Batch:	87952	Sample Preparation:	2013-08-07	Prepared By:	KC

Parameter	Flag	Cert	Result	RL 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)			0.0944	mg/L	1	0.100	94	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0959	mg/L	1	0.100	96	70 - 130

Sample: 337653 - MW-1

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	103957	Date Analyzed:	2013-08-13	Analyzed By:	KC
Prep Batch:	88082	Sample Preparation:	2013-08-12	Prepared By:	KC

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene		1	**1.26**	mg/L	5	0.00100
Toluene		1	**0.0118**	mg/L	5	0.00100
Ethylbenzene		1	**0.266**	mg/L	5	0.00100
Xylene		1	**0.0686**	mg/L	5	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.506	mg/L	5	0.500	101	70 - 130
4-Bromofluorobenzene (4-BFB)			0.569	mg/L	5	0.500	114	70 - 130

Method Blanks

Method Blank (1) QC Batch: 103804

QC Batch: 103804 | Date Analyzed: 2013-08-08 | Analyzed By: KC
Prep Batch: 87952 | QC Preparation: 2013-08-07 | Prepared By: KC

Parameter	Flag	Cert	MDL Result	Units	RL
Benzene		1	<0.000200	mg/L	0.001
Toluene		1	<0.000300	mg/L	0.001
Ethylbenzene		1	<0.000400	mg/L	0.001
Xylene		1	<0.00120	mg/L	0.001

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0967	mg/L	1	0.100	97	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0964	mg/L	1	0.100	96	70 - 130

Method Blank (1) QC Batch: 103957

QC Batch: 103957 | Date Analyzed: 2013-08-13 | Analyzed By: KC
Prep Batch: 88082 | QC Preparation: 2013-08-12 | Prepared By: KC

Parameter	Flag	Cert	MDL Result	Units	RL
Benzene		1	<0.000200	mg/L	0.001
Toluene		1	<0.000300	mg/L	0.001
Ethylbenzene		1	<0.000400	mg/L	0.001
Xylene		1	<0.00120	mg/L	0.001

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.102	mg/L	1	0.100	102	70 - 130
4-Bromofluorobenzene (4-BFB)			0.100	mg/L	1	0.100	100	70 - 130

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 103804 | Date Analyzed: 2013-08-08 | Analyzed By: KC
Prep Batch: 87952 | QC Preparation: 2013-08-07 | Prepared By: KC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.115	mg/L	1	0.100	<0.000200	115	70 - 130
Toluene		1	0.113	mg/L	1	0.100	<0.000300	113	70 - 130
Ethylbenzene		1	0.113	mg/L	1	0.100	<0.000400	113	70 - 130
Xylene		1	0.341	mg/L	1	0.300	<0.00120	114	70 - 130

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	0.116	mg/L	1	0.100	<0.000200	116	70 - 130	1	20
Toluene		1	0.115	mg/L	1	0.100	<0.000300	115	70 - 130	2	20
Ethylbenzene		1	0.114	mg/L	1	0.100	<0.000400	114	70 - 130	1	20
Xylene		1	0.344	mg/L	1	0.300	<0.00120	115	70 - 130	1	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0963	0.0989	mg/L	1	0.100	96	99	70 - 130
4-Bromofluorobenzene (4-BFB)	0.103	0.105	mg/L	1	0.100	103	105	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 103957 | Date Analyzed: 2013-08-13 | Analyzed By: KC
Prep Batch: 88082 | QC Preparation: 2013-08-12 | Prepared By: KC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.112	mg/L	1	0.100	<0.000200	112	70 - 130
Toluene		1	0.112	mg/L	1	0.100	<0.000300	112	70 - 130
Ethylbenzene		1	0.111	mg/L	1	0.100	<0.000400	111	70 - 130
Xylene		1	0.333	mg/L	1	0.300	<0.00120	111	70 - 130

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	0.112	mg/L	1	0.100	<0.000200	112	70 - 130	0	20
Toluene		1	0.110	mg/L	1	0.100	<0.000300	110	70 - 130	2	20
Ethylbenzene		1	0.110	mg/L	1	0.100	<0.000400	110	70 - 130	1	20
Xylene		1	0.330	mg/L	1	0.300	<0.00120	110	70 - 130	1	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0979	0.102	mg/L	1	0.100	98	102	70 - 130
4-Bromofluorobenzene (4-BFB)	0.105	0.108	mg/L	1	0.100	105	108	70 - 130

Matrix Spike (MS-1) Spiked Sample: 337375

QC Batch: 103804 | Date Analyzed: 2013-08-08 | Analyzed By: KC
Prep Batch: 87952 | QC Preparation: 2013-08-07 | Prepared By: KC

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.113	mg/L	1	0.100	<0.000200	113	70 - 130
Toluene		1	0.112	mg/L	1	0.100	<0.000300	112	70 - 130
Ethylbenzene		1	0.111	mg/L	1	0.100	<0.000400	111	70 - 130
Xylene		1	0.331	mg/L	1	0.300	<0.00120	110	70 - 130

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		1	0.113	mg/L	1	0.100	<0.000200	113	70 - 130	0	20
Toluene		1	0.113	mg/L	1	0.100	<0.000300	113	70 - 130	1	20
Ethylbenzene		1	0.112	mg/L	1	0.100	<0.000400	112	70 - 130	1	20
Xylene		1	0.333	mg/L	1	0.300	<0.00120	111	70 - 130	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)	0.0941	0.0936	mg/L	1	0.1	94	94	70 - 130
4-Bromofluorobenzene (4-BFB)	0.101	0.100	mg/L	1	0.1	101	100	70 - 130

Matrix Spike (MS-1) Spiked Sample: 337801

QC Batch: 103957 | Date Analyzed: 2013-08-13 | Analyzed By: KC
Prep Batch: 88082 | QC Preparation: 2013-08-12 | Prepared By: KC

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.117	mg/L	1	0.100	<0.000200	117	70 - 130
Toluene		1	0.122	mg/L	1	0.100	<0.000300	122	70 - 130
Ethylbenzene		1	0.112	mg/L	1	0.100	<0.000400	112	70 - 130
Xylene		1	0.337	mg/L	1	0.300	<0.00120	112	70 - 130

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		1	0.118	mg/L	1	0.100	<0.000200	118	70 - 130	1	20
Toluene		1	0.121	mg/L	1	0.100	<0.000300	121	70 - 130	1	20
Ethylbenzene		1	0.112	mg/L	1	0.100	<0.000400	112	70 - 130	0	20
Xylene		1	0.336	mg/L	1	0.300	<0.00120	112	70 - 130	0	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0944	0.0918	mg/L	1	0.1	94	92	70 - 130
4-Bromofluorobenzene (4-BFB)	0.103	0.100	mg/L	1	0.1	103	100	70 - 130

Calibration Standards

Standard (CCV-1)

QC Batch: 103804 | Date Analyzed: 2013-08-08 | Analyzed By: KC

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.116	116	80 - 120	2013-08-08
Toluene		1	mg/L	0.100	0.114	114	80 - 120	2013-08-08
Ethylbenzene		1	mg/L	0.100	0.114	114	80 - 120	2013-08-08
Xylene		1	mg/L	0.300	0.343	114	80 - 120	2013-08-08

Standard (CCV-2)

QC Batch: 103804 | Date Analyzed: 2013-08-08 | Analyzed By: KC

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.112	112	80 - 120	2013-08-08
Toluene		1	mg/L	0.100	0.111	111	80 - 120	2013-08-08
Ethylbenzene		1	mg/L	0.100	0.111	111	80 - 120	2013-08-08
Xylene		1	mg/L	0.300	0.332	111	80 - 120	2013-08-08

Standard (CCV-3)

QC Batch: 103804 | Date Analyzed: 2013-08-08 | Analyzed By: KC

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.112	112	80 - 120	2013-08-08
Toluene		1	mg/L	0.100	0.111	111	80 - 120	2013-08-08
Ethylbenzene		1	mg/L	0.100	0.110	110	80 - 120	2013-08-08
Xylene		1	mg/L	0.300	0.330	110	80 - 120	2013-08-08

Standard (CCV-1)

QC Batch: 103957 | Date Analyzed: 2013-08-13 | Analyzed By: KC

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.112	112	80 - 120	2013-08-13
Toluene		1	mg/L	0.100	0.112	112	80 - 120	2013-08-13
Ethylbenzene		1	mg/L	0.100	0.110	110	80 - 120	2013-08-13
Xylene		1	mg/L	0.300	0.330	110	80 - 120	2013-08-13

Standard (CCV-2)

QC Batch: 103957 | Date Analyzed: 2013-08-13 | Analyzed By: KC

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.115	115	80 - 120	2013-08-13
Toluene		1	mg/L	0.100	0.115	115	80 - 120	2013-08-13
Ethylbenzene		1	mg/L	0.100	0.114	114	80 - 120	2013-08-13
Xylene		1	mg/L	0.300	0.341	114	80 - 120	2013-08-13

Standard (CCV-3)

QC Batch: 103957 | Date Analyzed: 2013-08-13 | Analyzed By: KC

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.110	110	80 - 120	2013-08-13
Toluene		1	mg/L	0.100	0.111	111	80 - 120	2013-08-13
Ethylbenzene		1	mg/L	0.100	0.110	110	80 - 120	2013-08-13
Xylene		1	mg/L	0.300	0.329	110	80 - 120	2013-08-13

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	T104704392-12-4	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.
MI1	Split peak or shoulder peak
MI2	Instrument software did not integrate
MI3	Instrument software misidentified the peak
MI4	Instrument software integrated improperly
MI5	Baseline correction
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 # 130807079

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TraceAnalysis, Inc.

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

Company Name: Nova
Phone #: 432 520 7720
Address: (Street, City, Zip) 2057 commerce Drive
Fax #:
Contact Person: Camille Bryant
E-mail:
Invoice to: (If different from above)
Project #: TNM 9805A
Project Name: 9805A
Project Location (including state): new mexico
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
337651	MW-6	3	VOA	X					X				X			1130	8/6/13
652	MW-8	3	1	↓					↓				↓			1144	8/6/13
653	MW-1	3	↓	↓					↓				↓			1200	8/6/13

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, F, SO_4, NO_3-N, NO_2-N, PO_4-P, Alkalinity	Na, Ca, Mg, K, TDS, EC					Turn Around Time if different from standard	Hold
	X																							
	X																							
	X																							

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
John Flores	Nova	8/7/13			TA	8/7/13	8:29	INST RT °C OBS 46 °C COR 45 °C
								INST ____ °C OBS ____ °C COR ____ °C
								INST ____ °C OBS ____ °C COR ____ °C

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

REMARKS: Midland-ag

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

Carrier #

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

ORIGINAL COPY

Summary Report

Curt Stanley
Nova Safety & Environmental
2057 Commerce St.
Midland, TX 79703

Report Date: November 25, 2013

Work Order: 13110801

Project Location: New Mexico
Project Name: 9805A
Project Number: TNM-98-05A
SRS #: TNM 98-05A

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
346051	MW-3	water	2013-11-07	10:30	2013-11-08
346052	MW-5	water	2013-11-07	10:47	2013-11-08
346053	MW-7	water	2013-11-07	11:10	2013-11-08
346054	MW-9	water	2013-11-07	11:23	2013-11-08
346055	MW-11	water	2013-11-07	11:49	2013-11-08
346056	MW-6	water	2013-11-07	12:09	2013-11-08
346057	MW-8	water	2013-11-07	12:27	2013-11-08
346058	MW-1	water	2013-11-07	12:40	2013-11-08

	BTEX			
Sample - Field Code	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
346051 - MW-3	<0.00100	<0.00100	<0.00100	<0.00300
346052 - MW-5	<0.00100	<0.00100	<0.00100	<0.00300
346053 - MW-7	<0.00100	<0.00100	<0.00100	<0.00300
346054 - MW-9	<0.00100	<0.00100	<0.00100	<0.00300
346055 - MW-11	<0.00100	<0.00100	<0.00100	<0.00300
346056 - MW-6	<0.00100	<0.00100	<0.00100	<0.00300
346057 - MW-8	<0.00100	<0.00100	<0.00100	<0.00300
346058 - MW-1	**1.40**	<0.0500	**0.190**	<0.150

Sample: 346058 - MW-1

Param	Flag	Result	Units	RL
Naphthalene	Qs	**0.610**	mg/L	0.0002
2-Methylnaphthalene	Qr,Qs	<0.000200	mg/L	0.0002
1-Methylnaphthalene		**1.21**	mg/L	0.0002

continued ...

sample 346058 continued . . .

Param	Flag	Result	Units	RL
Acenaphthylene	Qs	**0.213**	mg/L	0.0002
Acenaphthene	Qs	<0.000200	mg/L	0.0002
Dibenzofuran	Qs	**21.4**	mg/L	0.0002
Fluorene	Qs	**0.494**	mg/L	0.0002
Anthracene	Qr,Qs	<0.000200	mg/L	0.0002
Phenanthrene	Qs	**0.388**	mg/L	0.0002
Fluoranthene	Qr,Qs	<0.000200	mg/L	0.0002
Pyrene	Qs	<0.000200	mg/L	0.0002
Benzo(a)anthracene	Qs	<0.000200	mg/L	0.0002
Chrysene	Qs	<0.000200	mg/L	0.0002
Benzo(b)fluoranthene	Qr,Qs	<0.000200	mg/L	0.0002
Benzo(k)fluoranthene	Qs	<0.000200	mg/L	0.0002
Benzo(a)pyrene	Qs	<0.000200	mg/L	0.0002
Indeno(1,2,3-cd)pyrene	Qs	**0.112**	mg/L	0.0002
Dibenzo(a,h)anthracene	Qr,Qs	<0.000200	mg/L	0.0002
Benzo(g,h,i)perylene	Qs	<0.000200	mg/L	0.0002

TRACEANALYSIS, INC.

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E-Mail: lab@traceanalysis.com WEB: www.traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Curt Stanley
Nova Safety & Environmental
2057 Commerce St.
Midland, TX, 79703

Report Date: November 25, 2013

Work Order: 13110801

Project Location: New Mexico
Project Name: 9805A
Project Number: TNM-98-05A
SRS #: TNM 98-05A

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
346051	MW-3	water	2013-11-07	10:30	2013-11-08
346052	MW-5	water	2013-11-07	10:47	2013-11-08
346053	MW-7	water	2013-11-07	11:10	2013-11-08
346054	MW-9	water	2013-11-07	11:23	2013-11-08
346055	MW-11	water	2013-11-07	11:49	2013-11-08
346056	MW-6	water	2013-11-07	12:09	2013-11-08
346057	MW-8	water	2013-11-07	12:27	2013-11-08
346058	MW-1	water	2013-11-07	12:40	2013-11-08

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

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Case Narrative

Samples for project 9805A were received by TraceAnalysis, Inc. on 2013-11-08 and assigned to work order 13110801. Samples for work order 13110801 were received intact without headspace and at a temperature of 3.8 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	90343	2013-11-11 at 08:56	106702	2013-11-11 at 10:00
PAH	S 8270D	90640	2013-11-14 at 15:00	107051	2013-11-25 at 15:02

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 13110801 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: 346051 - MW-3

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	106702	Date Analyzed:	2013-11-11	Analyzed By:	AK
Prep Batch:	90343	Sample Preparation:	2013-11-11	Prepared By:	AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	U	2	<0.00100	mg/L	1	0.00100
Toluene	U	2	<0.00100	mg/L	1	0.00100
Ethylbenzene	U	2	<0.00100	mg/L	1	0.00100
Xylene	U	2	<0.00300	mg/L	1	0.00300

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0816	mg/L	1	0.100	82	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0737	mg/L	1	0.100	74	70 - 130

Sample: 346052 - MW-5

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	106702	Date Analyzed:	2013-11-11	Analyzed By:	AK
Prep Batch:	90343	Sample Preparation:	2013-11-11	Prepared By:	AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	U	2	<0.00100	mg/L	1	0.00100
Toluene	U	2	<0.00100	mg/L	1	0.00100
Ethylbenzene	U	2	<0.00100	mg/L	1	0.00100
Xylene	U	2	<0.00300	mg/L	1	0.00300

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0825	mg/L	1	0.100	82	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0740	mg/L	1	0.100	74	70 - 130

Sample: 346053 - MW-7

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	106702	Date Analyzed:	2013-11-11	Analyzed By:	AK
Prep Batch:	90343	Sample Preparation:	2013-11-11	Prepared By:	AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	U	2	<0.00100	mg/L	1	0.00100
Toluene	U	2	<0.00100	mg/L	1	0.00100
Ethylbenzene	U	2	<0.00100	mg/L	1	0.00100
Xylene	U	2	<0.00300	mg/L	1	0.00300

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0810	mg/L	1	0.100	81	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0738	mg/L	1	0.100	74	70 - 130

Sample: 346054 - MW-9

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	106702	Date Analyzed:	2013-11-11	Analyzed By:	AK
Prep Batch:	90343	Sample Preparation:	2013-11-11	Prepared By:	AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	U	2	<0.00100	mg/L	1	0.00100
Toluene	U	2	<0.00100	mg/L	1	0.00100
Ethylbenzene	U	2	<0.00100	mg/L	1	0.00100
Xylene	U	2	<0.00300	mg/L	1	0.00300

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0818	mg/L	1	0.100	82	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0744	mg/L	1	0.100	74	70 - 130

Sample: 346055 - MW-11

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	106702	Date Analyzed:	2013-11-11	Analyzed By:	AK
Prep Batch:	90343	Sample Preparation:	2013-11-11	Prepared By:	AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	U	2	<0.00100	mg/L	1	0.00100
Toluene	U	2	<0.00100	mg/L	1	0.00100
Ethylbenzene	U	2	<0.00100	mg/L	1	0.00100
Xylene	U	2	<0.00300	mg/L	1	0.00300

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0820	mg/L	1	0.100	82	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0738	mg/L	1	0.100	74	70 - 130

Sample: 346056 - MW-6

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	106702	Date Analyzed:	2013-11-11	Analyzed By:	AK
Prep Batch:	90343	Sample Preparation:	2013-11-11	Prepared By:	AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	U	2	<0.00100	mg/L	1	0.00100
Toluene	U	2	<0.00100	mg/L	1	0.00100
Ethylbenzene	U	2	<0.00100	mg/L	1	0.00100
Xylene	U	2	<0.00300	mg/L	1	0.00300

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0826	mg/L	1	0.100	83	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0734	mg/L	1	0.100	73	70 - 130

Sample: 346057 - MW-8

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	106702	Date Analyzed:	2013-11-11	Analyzed By:	AK
Prep Batch:	90343	Sample Preparation:	2013-11-11	Prepared By:	AK

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Benzene	U	2	<0.00100	mg/L	1	0.00100
Toluene	U	2	<0.00100	mg/L	1	0.00100
Ethylbenzene	U	2	<0.00100	mg/L	1	0.00100
Xylene	U	2	<0.00300	mg/L	1	0.00300

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0819	mg/L	1	0.100	82	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0737	mg/L	1	0.100	74	70 - 130

Sample: 346058 - MW-1

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	106702	Date Analyzed:	2013-11-11	Analyzed By:	AK
Prep Batch:	90343	Sample Preparation:	2013-11-11	Prepared By:	AK

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Benzene		2	**1.40**	mg/L	50	0.00100
Toluene	U	2	<0.0500	mg/L	50	0.00100
Ethylbenzene		2	**0.190**	mg/L	50	0.00100
Xylene	U	2	<0.150	mg/L	50	0.00300

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			4.11	mg/L	50	5.00	82	70 - 130
4-Bromofluorobenzene (4-BFB)			3.86	mg/L	50	5.00	77	70 - 130

Sample: 346058 - MW-1

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270D	Prep Method:	S 3510C
QC Batch:	107051	Date Analyzed:	2013-11-25	Analyzed By:	MN
Prep Batch:	90640	Sample Preparation:	2013-11-14	Prepared By:	MN

Parameter	Flag	Cert	Result	RL	Units	Dilution	RL
Naphthalene	Qs	1	**0.610**		mg/L	1	0.000200
2-Methylnaphthalene	Qr,Qs,U	1	<0.000200		mg/L	1	0.000200
1-Methylnaphthalene			**1.21**		mg/L	1	0.000200
Acenaphthylene	Qs	1	**0.213**		mg/L	1	0.000200
Acenaphthene	Qs,U	1	<0.000200		mg/L	1	0.000200
Dibenzofuran	Qs	1	**21.4**		mg/L	1	0.000200
Fluorene	Qs	1	**0.494**		mg/L	1	0.000200
Anthracene	Qr,Qs,U	1	<0.000200		mg/L	1	0.000200
Phenanthrene	Qs	1	**0.388**		mg/L	1	0.000200
Fluoranthene	Qr,Qs,U	1	<0.000200		mg/L	1	0.000200
Pyrene	Qs,U	1	<0.000200		mg/L	1	0.000200
Benzo(a)anthracene	Qs,U	1	<0.000200		mg/L	1	0.000200
Chrysene	Qs,U	1	<0.000200		mg/L	1	0.000200
Benzo(b)fluoranthene	Qr,Qs,U	1	<0.000200		mg/L	1	0.000200
Benzo(k)fluoranthene	Qs,U	1	<0.000200		mg/L	1	0.000200
Benzo(a)pyrene	Qs,U	1	<0.000200		mg/L	1	0.000200
Indeno(1,2,3-cd)pyrene	B,Qs	1	**0.112**		mg/L	1	0.000200
Dibenzo(a,h)anthracene	Qr,Qs,U	1	<0.000200		mg/L	1	0.000200
Benzo(g,h,i)perylene	Qs,U	1	<0.000200		mg/L	1	0.000200

Surrogate		Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5				0.646	mg/L	1	0.800	81	40 - 110
2-Fluorobiphenyl	Qsr	Qsr		0.0606	mg/L	1	0.800	8	50 - 110
Terphenyl-d14	Qsr	Qsr		0.135	mg/L	1	0.800	17	50 - 135

Method Blanks

Method Blank (1) QC Batch: 106702

QC Batch: 106702 | Date Analyzed: 2013-11-11 | Analyzed By: AK
Prep Batch: 90343 | QC Preparation: 2013-11-11 | Prepared By: AK

Parameter	Flag	Cert	MDL Result	Units	RL
Benzene		2	<0.000600	mg/L	0.001
Toluene		2	<0.000400	mg/L	0.001
Ethylbenzene		2	<0.000600	mg/L	0.001
Xylene		2	<0.00130	mg/L	0.003

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0808	mg/L	1	0.100	81	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0731	mg/L	1	0.100	73	70 - 130

Method Blank (1) QC Batch: 107051

QC Batch: 107051 | Date Analyzed: 2013-11-25 | Analyzed By: MN
Prep Batch: 90640 | QC Preparation: 2013-11-14 | Prepared By: MN

Parameter	Flag	Cert	MDL Result	Units	RL
Naphthalene		1	<0.000121	mg/L	0.0002
2-Methylnaphthalene		1	<0.0000913	mg/L	0.0002
1-Methylnaphthalene			0.00200	mg/L	0.0002
Acenaphthylene		1	0.00677	mg/L	0.0002
Acenaphthene		1	<0.000122	mg/L	0.0002
Dibenzofuran		1	<0.000108	mg/L	0.0002
Fluorene		1	0.00663	mg/L	0.0002
Anthracene		1	0.00417	mg/L	0.0002
Phenanthrene		1	0.00387	mg/L	0.0002
Fluoranthene		1	<0.000124	mg/L	0.0002
Pyrene		1	0.00500	mg/L	0.0002
Benzo(a)anthracene		1	0.00775	mg/L	0.0002
Chrysene		1	0.00718	mg/L	0.0002
Benzo(b)fluoranthene		1	0.0124	mg/L	0.0002
Benzo(k)fluoranthene		1	0.0100	mg/L	0.0002
Benzo(a)pyrene		1	<0.0000701	mg/L	0.0002

continued . . .

method blank continued ...

Parameter	Flag	Cert	MDL Result	Units	RL
Indeno(1,2,3-cd)pyrene		1	0.0156	mg/L	0.0002
Dibenzo(a,h)anthracene		1	<0.0000851	mg/L	0.0002
Benzo(g,h,i)perylene		1	0.0171	mg/L	0.0002

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5			0.389	mg/L	1	0.800	49	40 - 110
2-Fluorobiphenyl	Qsr	Qsr	1.52	mg/L	1	0.800	190	50 - 110
Terphenyl-d14			0.511	mg/L	1	0.800	64	50 - 135

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 106702 | Date Analyzed: 2013-11-11 | Analyzed By: AK
Prep Batch: 90343 | QC Preparation: 2013-11-11 | Prepared By: AK

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		2	0.0868	mg/L	1	0.100	<0.000600	87	70 - 130
Toluene		2	0.0859	mg/L	1	0.100	<0.000400	86	70 - 130
Ethylbenzene		2	0.0855	mg/L	1	0.100	<0.000600	86	70 - 130
Xylene		2	0.257	mg/L	1	0.300	<0.00130	86	70 - 130

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		2	0.0857	mg/L	1	0.100	<0.000600	86	70 - 130	1	20
Toluene		2	0.0852	mg/L	1	0.100	<0.000400	85	70 - 130	1	20
Ethylbenzene		2	0.0845	mg/L	1	0.100	<0.000600	84	70 - 130	1	20
Xylene		2	0.255	mg/L	1	0.300	<0.00130	85	70 - 130	1	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0873	0.0842	mg/L	1	0.100	87	84	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0906	0.0902	mg/L	1	0.100	91	90	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 107051 | Date Analyzed: 2013-11-25 | Analyzed By: MN
Prep Batch: 90640 | QC Preparation: 2013-11-14 | Prepared By: MN

Param		F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Naphthalene			1	0.660	mg/L	1	0.800	<0.000121	82	40 - 100
2-Methylnaphthalene	Qs	Qs	1	0.0202	mg/L	1	0.800	<0.0000913	2	45 - 105
1-Methylnaphthalene				0.659	mg/L	1	0.800	0.002	82	34.3 - 120
Acenaphthylene	Qs	Qs	1	3.42	mg/L	1	0.800	0.00677	427	55 - 105
Acenaphthene	Qs	Qs	1	2.84	mg/L	1	0.800	<0.000122	355	45 - 110

continued ...

control spikes continued . . .

Param		F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dibenzofuran	Qs	Qs	1	0.353	mg/L	1	0.800	<0.000108	44	55 - 105
Fluorene	Qs	Qs	1	2.83	mg/L	1	0.800	0.00663	353	50 - 110
Anthracene			1	0.822	mg/L	1	0.800	0.00417	102	55 - 110
Phenanthrene			1	0.901	mg/L	1	0.800	0.00387	112	50 - 115
Fluoranthene			1	0.780	mg/L	1	0.800	<0.000124	98	55 - 115
Pyrene			1	0.581	mg/L	1	0.800	0.005	72	50 - 130
Benzo(a)anthracene			1	0.691	mg/L	1	0.800	0.00775	85	55 - 110
Chrysene			1	0.586	mg/L	1	0.800	0.00718	72	55 - 110
Benzo(b)fluoranthene			1	0.786	mg/L	1	0.800	0.0124	97	45 - 120
Benzo(k)fluoranthene			1	0.627	mg/L	1	0.800	0.01	77	45 - 125
Benzo(a)pyrene			1	0.795	mg/L	1	0.800	<0.0000701	99	55 - 110
Indeno(1,2,3-cd)pyrene			1	0.682	mg/L	1	0.800	0.0156	83	45 - 125
Dibenzo(a,h)anthracene			1	0.598	mg/L	1	0.800	<0.0000851	75	40 - 125
Benzo(g,h,i)perylene			1	0.688	mg/L	1	0.800	0.0171	84	40 - 125

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			1	0.678	mg/L	1	0.800	<0.000121	85	40 - 100	3	20
2-Methylnaphthalene	Qr,Qs	Qr,Qs	1	0.0362	mg/L	1	0.800	<0.0000913	4	45 - 105	57	20
1-Methylnaphthalene				0.714	mg/L	1	0.800	0.002	89	34.3 - 120	8	20
Acenaphthylene	Qs	Qs	1	4.00	mg/L	1	0.800	0.00677	499	55 - 105	16	20
Acenaphthene	Qs	Qs	1	2.92	mg/L	1	0.800	<0.000122	365	45 - 110	3	20
Dibenzofuran	Qs	Qs	1	0.348	mg/L	1	0.800	<0.000108	44	55 - 105	1	20
Fluorene	Qs	Qs	1	3.16	mg/L	1	0.800	0.00663	394	50 - 110	11	20
Anthracene			1	0.833	mg/L	1	0.800	0.00417	104	55 - 110	1	20
Phenanthrene			1	0.916	mg/L	1	0.800	0.00387	114	50 - 115	2	20
Fluoranthene			1	0.752	mg/L	1	0.800	<0.000124	94	55 - 115	4	20
Pyrene			1	0.571	mg/L	1	0.800	0.005	71	50 - 130	2	20
Benzo(a)anthracene			1	0.689	mg/L	1	0.800	0.00775	85	55 - 110	0	20
Chrysene			1	0.584	mg/L	1	0.800	0.00718	72	55 - 110	0	20
Benzo(b)fluoranthene	Qr	Qr	1	0.496	mg/L	1	0.800	0.0124	60	45 - 120	45	20
Benzo(k)fluoranthene			1	0.614	mg/L	1	0.800	0.01	76	45 - 125	2	20
Benzo(a)pyrene			1	0.767	mg/L	1	0.800	<0.0000701	96	55 - 110	4	20
Indeno(1,2,3-cd)pyrene			1	0.661	mg/L	1	0.800	0.0156	81	45 - 125	3	20
Dibenzo(a,h)anthracene			1	0.692	mg/L	1	0.800	<0.0000851	86	40 - 125	15	20
Benzo(g,h,i)perylene			1	0.670	mg/L	1	0.800	0.0171	82	40 - 125	3	20

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

Surrogate			LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Nitrobenzene-d5			0.648	0.656	mg/L	1	0.800	81	82	40 - 110
2-Fluorobiphenyl	Qsr	Qsr	2.79	3.23	mg/L	1	0.800	349	404	50 - 110
Terphenyl-d14			0.629	0.626	mg/L	1	0.800	79	78	50 - 135

Matrix Spike (MS-1) Spiked Sample: 346058

QC Batch: 106702 | Date Analyzed: 2013-11-11 | Analyzed By: AK
Prep Batch: 90343 | QC Preparation: 2013-11-11 | Prepared By: AK

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		2	5.63	mg/L	50	5.00	1.4	85	70 - 130
Toluene		2	4.18	mg/L	50	5.00	<0.0200	84	70 - 130
Ethylbenzene		2	4.38	mg/L	50	5.00	0.19	84	70 - 130
Xylene		2	12.5	mg/L	50	15.0	<0.0650	83	70 - 130

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	5.93	mg/L	50	5.00	1.4	91	70 - 130	5	20
Toluene		2	4.43	mg/L	50	5.00	<0.0200	89	70 - 130	6	20
Ethylbenzene		2	4.64	mg/L	50	5.00	0.19	89	70 - 130	6	20
Xylene		2	13.2	mg/L	50	15.0	<0.0650	88	70 - 130	5	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)	4.24	4.33	mg/L	50	5	85	87	70 - 130
4-Bromofluorobenzene (4-BFB)	4.57	4.59	mg/L	50	5	91	92	70 - 130

Matrix Spike (MS-1) Spiked Sample: 346058

QC Batch: 107051 | Date Analyzed: 2013-11-25 | Analyzed By: MN
Prep Batch: 90640 | QC Preparation: 2013-11-14 | Prepared By: MN

Param		F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Naphthalene	Qs	Qs	1	0.902	mg/L	1	0.800	0.61	36	40 - 100
2-Methylnaphthalene			1	0.446	mg/L	1	0.800	<0.0000913	56	45 - 105
1-Methylnaphthalene				1.82	mg/L	1	0.800	1.21	76	34.3 - 120
Acenaphthylene	Qs	Qs	1	0.188	mg/L	1	0.800	0.213	-3	55 - 105
Acenaphthene	Qs	Qs	1	1.92	mg/L	1	0.800	<0.000122	240	45 - 110
Dibenzofuran	Qs	Qs	1	28.5	mg/L	1	0.800	21.4	888	55 - 105
Fluorene	Qs	Qs	1	0.515	mg/L	1	0.800	0.494	3	50 - 110
Anthracene	Qs	Qs	1	0.135	mg/L	1	0.800	<0.0000791	17	55 - 110
Phenanthrene	Qs	Qs	1	0.444	mg/L	1	0.800	0.388	7	50 - 115
Fluoranthene	Qs	Qs	1	1.05	mg/L	1	0.800	<0.000124	131	55 - 115

continued ...

matrix spikes continued . . .

Param		F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Pyrene	Qs	Qs	1	0.170	mg/L	1	0.800	<0.0000691	21	50 - 130
Benzo(a)anthracene	Qs	Qs	1	0.258	mg/L	1	0.800	<0.000101	32	55 - 110
Chrysene	Qs	Qs	1	0.156	mg/L	1	0.800	<0.0000769	20	55 - 110
Benzo(b)fluoranthene	Qs	Qs	1	0.109	mg/L	1	0.800	<0.0000813	14	45 - 120
Benzo(k)fluoranthene	Qs	Qs	1	0.0714	mg/L	1	0.800	<0.0000790	9	45 - 125
Benzo(a)pyrene	Qs	Qs	1	0.103	mg/L	1	0.800	<0.0000701	13	55 - 110
Indeno(1,2,3-cd)pyrene	Qs	Qs	1	0.0883	mg/L	1	0.800	0.112	-1	45 - 125
Dibenzo(a,h)anthracene	Qs	Qs	1	1.24	mg/L	1	0.800	<0.0000851	155	40 - 125
Benzo(g,h,i)perylene	Qs	Qs	1	0.0980	mg/L	1	0.800	<0.0000798	12	40 - 125

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
Naphthalene	Qs	Qs	1	0.834	mg/L	1	0.800	0.61	28	40 - 100	8	20
2-Methylnaphthalene			1	0.426	mg/L	1	0.800	<0.0000913	53	45 - 105	5	20
1-Methylnaphthalene				1.75	mg/L	1	0.800	1.21	68	34.3 - 120	4	20
Acenaphthylene	Qs	Qs	1	0.159	mg/L	1	0.800	0.213	-5	55 - 105	17	20
Acenaphthene	Qs	Qs	1	1.84	mg/L	1	0.800	<0.000122	230	45 - 110	4	20
Dibenzofuran	Qs	Qs	1	26.9	mg/L	1	0.800	21.4	688	55 - 105	6	20
Fluorene	Qs	Qs	1	0.493	mg/L	1	0.800	0.494	0	50 - 110	4	20
Anthracene	Qr,Qs	Qr,Qs	1	0.0531	mg/L	1	0.800	<0.0000791	7	55 - 110	87	20
Phenanthrene	Qs	Qs	1	0.441	mg/L	1	0.800	0.388	7	50 - 115	1	20
Fluoranthene	Qr	Qr	1	0.776	mg/L	1	0.800	<0.000124	97	55 - 115	30	20
Pyrene	Qs	Qs	1	0.144	mg/L	1	0.800	<0.0000691	18	50 - 130	17	20
Benzo(a)anthracene	Qs	Qs	1	0.260	mg/L	1	0.800	<0.000101	32	55 - 110	1	20
Chrysene	Qs	Qs	1	0.157	mg/L	1	0.800	<0.0000769	20	55 - 110	1	20
Benzo(b)fluoranthene	Qs	Qs	1	0.0904	mg/L	1	0.800	<0.0000813	11	45 - 120	19	20
Benzo(k)fluoranthene	Qs	Qs	1	0.0728	mg/L	1	0.800	<0.0000790	9	45 - 125	2	20
Benzo(a)pyrene	Qs	Qs	1	0.121	mg/L	1	0.800	<0.0000701	15	55 - 110	16	20
Indeno(1,2,3-cd)pyrene	Qs	Qs	1	0.0814	mg/L	1	0.800	0.112	-2	45 - 125	8	20
Dibenzo(a,h)anthracene	Qr	Qr	1	0.963	mg/L	1	0.800	<0.0000851	120	40 - 125	25	20
Benzo(g,h,i)perylene	Qs	Qs	1	0.0976	mg/L	1	0.800	<0.0000798	12	40 - 125	0	20

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

Surrogate			MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Nitrobenzene-d5			0.617	0.611	mg/L	1	0.8	77	76	40 - 110
2-Fluorobiphenyl	Qsr	Qsr	0.112	0.0996	mg/L	1	0.8	14	12	50 - 110
Terphenyl-d14	Qsr	Qsr	0.165	0.165	mg/L	1	0.8	21	21	50 - 135

Calibration Standards

Standard (CCV-1)

QC Batch: 106702 | Date Analyzed: 2013-11-11 | Analyzed By: AK

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		2	mg/L	0.100	0.0889	89	80 - 120	2013-11-11
Toluene		2	mg/L	0.100	0.0878	88	80 - 120	2013-11-11
Ethylbenzene		2	mg/L	0.100	0.0879	88	80 - 120	2013-11-11
Xylene		2	mg/L	0.300	0.264	88	80 - 120	2013-11-11

Standard (CCV-2)

QC Batch: 106702 | Date Analyzed: 2013-11-11 | Analyzed By: AK

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		2	mg/L	0.100	0.0867	87	80 - 120	2013-11-11
Toluene		2	mg/L	0.100	0.0856	86	80 - 120	2013-11-11
Ethylbenzene		2	mg/L	0.100	0.0850	85	80 - 120	2013-11-11
Xylene		2	mg/L	0.300	0.256	85	80 - 120	2013-11-11

Standard (CCV-3)

QC Batch: 106702 | Date Analyzed: 2013-11-11 | Analyzed By: AK

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		2	mg/L	0.100	0.0889	89	80 - 120	2013-11-11
Toluene		2	mg/L	0.100	0.0877	88	80 - 120	2013-11-11
Ethylbenzene		2	mg/L	0.100	0.0865	86	80 - 120	2013-11-11
Xylene		2	mg/L	0.300	0.260	87	80 - 120	2013-11-11

Standard (CCV-1)

QC Batch: 107051 | Date Analyzed: 2013-11-25 | 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	62.5	104	80 - 120	2013-11-25
2-Methylnaphthalene		1	mg/L	60.0	62.6	104	80 - 120	2013-11-25
1-Methylnaphthalene			mg/L	60.0	64.6	108	80 - 120	2013-11-25
Acenaphthylene		1	mg/L	60.0	60.4	101	80 - 120	2013-11-25
Acenaphthene		1	mg/L	60.0	53.2	89	80 - 120	2013-11-25
Dibenzofuran		1	mg/L	60.0	57.5	96	80 - 120	2013-11-25
Fluorene		1	mg/L	60.0	65.3	109	80 - 120	2013-11-25
Anthracene		1	mg/L	60.0	51.9	86	80 - 120	2013-11-25
Phenanthrene		1	mg/L	60.0	50.2	84	80 - 120	2013-11-25
Fluoranthene		1	mg/L	60.0	64.5	108	80 - 120	2013-11-25
Pyrene		1	mg/L	60.0	57.0	95	80 - 120	2013-11-25
Benzo(a)anthracene		1	mg/L	60.0	58.3	97	80 - 120	2013-11-25
Chrysene		1	mg/L	60.0	58.4	97	80 - 120	2013-11-25
Benzo(b)fluoranthene		1	mg/L	60.0	60.6	101	80 - 120	2013-11-25
Benzo(k)fluoranthene		1	mg/L	60.0	58.1	97	80 - 120	2013-11-25
Benzo(a)pyrene		1	mg/L	60.0	59.3	99	80 - 120	2013-11-25
Indeno(1,2,3-cd)pyrene		1	mg/L	60.0	59.7	100	80 - 120	2013-11-25
Dibenzo(a,h)anthracene		1	mg/L	60.0	49.2	82	80 - 120	2013-11-25
Benzo(g,h,i)perylene		1	mg/L	60.0	58.4	97	80 - 120	2013-11-25

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
Nitrobenzene-d5			60.6	mg/L	1	60.0	101	-
2-Fluorobiphenyl			64.3	mg/L	1	60.0	107	-
Terphenyl-d14			55.6	mg/L	1	60.0	93	-

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	T104704219-13-9	Lubbock
2	NELAP	T104704392-13-7	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.
MI1	Split peak or shoulder peak
MI2	Instrument software did not integrate
MI3	Instrument software misidentified the peak
MI4	Instrument software integrated improperly
MI5	Baseline correction
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 # 1310801

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 #: 432 520 7720
Address: (Street, City, Zip) 2057 commerce Drive
Fax #:
Contact Person: Curt Stanley
E-mail:
Invoice to: (If different from above)
Project #: TNM 9805A
Project Name: 9805A
Project Location (including state): 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
316051	mw-3	3	VOA	X				X				X		11/7/13	1030		X																						
052	mw-5	3													1047		X																						
053	mw-7	3													1110		X																						
054	mw-9	3													1123		X																						
055	mw-11	3													1149		X																						
056	mw-6	3													1209		X																						
057	mw-8	3													1227		X																						
058	mw-1	6													1240		X			X																			

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
John Flores	Nova	11/8/13	8:03		TA	11/8/13	8:03	INST R 4 °C OBS 3.9 °C COR 3.8 °C
								INST ____ °C OBS ____ °C COR ____ °C
				Brenda Wand	TA Lubbock	11/12/13	9:20	INST IR 3 °C OBS 3.9 °C COR 3.8 °C

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

REMARKS: Midland - BTEX
Lubbock - PAH

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

Carrier # Courier LS ZQ564767

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

ORIGINAL COPY

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	02/03/99	3390.57	46.05	49.70	3.65	3,343.97
MW - 1	05/12/99	3390.57	45.99	49.31	3.32	3,344.08
MW - 1	08/23/99	3390.57	46.15	49.51	3.36	3,343.92
MW - 1	11/29/99	3390.57	45.61	45.84	0.23	3,344.93
MW - 1	03/09/00	3390.57	46.48	47.57	1.09	3,343.93
MW - 1	05/11/00	3390.57	46.13	46.92	0.79	3,344.32
MW - 1	09/12/00	3390.57	46.13	46.74	0.61	3,344.35
MW - 1	12/14/00	3390.57	45.81	46.90	1.09	3,344.60
MW - 1	03/21/01	3390.57	46.48	47.57	1.09	3,343.93
MW - 1	05/30/01	3390.57	46.13	48.40	2.27	3,344.10
MW - 1	09/25/01	3390.57	COULD NOT GAUGE DUE TO EXCAVATION			-
MW - 1	11/17/01	3390.57	COULD NOT GAUGE DUE TO EXCAVATION			-
MW - 1	02/20/02	3390.57	COULD NOT GAUGE DUE TO EXCAVATION			-
MW - 1	05/20/02	3390.57	COULD NOT GAUGE DUE TO EXCAVATION			-
MW - 1	09/24/02	3390.57	COULD NOT GAUGE DUE TO EXCAVATION			-
MW - 1	10/29/02	3390.57	42.37	39.58	-	-
MW - 1	11/06/02	3390.57	39.23	41.26	2.03	3,351.04
MW - 1	11/13/02	3390.57	39.86	41.38	1.52	3,350.48
MW - 1	01/07/03	3390.57	39.74	41.56	1.82	3,350.56
MW - 1	01/13/03	3390.57	39.72	41.55	1.83	3,350.58
MW - 1	01/27/03	3390.57	39.82	41.66	1.84	3,350.47
MW - 1	02/06/03	3390.57	39.89	41.50	1.61	3,350.44
MW - 1	03/11/03	3390.57	39.96	41.34	1.38	3,350.40
MW - 1	05/08/03	3390.57	35.92	37.75	1.83	3,354.38
MW - 1	05/15/03	3390.57	36.08	37.95	1.87	3,354.21
MW - 1	05/20/03	3390.57	36.27	38.18	1.91	3,354.01
MW - 1	05/27/03	3390.57	36.35	38.26	1.91	3,353.93
MW - 1	06/03/03	3390.57	36.30	38.15	1.85	3,353.99
MW - 1	06/10/03	3390.57	36.43	38.34	1.91	3,353.85
MW - 1	06/25/03	3390.57	36.73	37.82	1.09	3,353.68
MW - 1	07/02/03	3390.57	36.97	37.80	0.83	3,353.48
MW - 1	07/07/03	3390.57	36.72	37.91	1.19	3,353.67
MW - 1	07/22/03	3390.57	39.99	40.97	0.98	3,350.43
MW - 1	07/30/03	3390.57	36.45	37.04	0.59	3,354.03
MW - 1	08/06/03	3390.57	36.15	36.80	0.65	3,354.32
MW - 1	08/13/03	3390.57	36.72	36.85	0.13	3,353.83
MW - 1	08/19/03	3390.57	36.41	36.89	0.48	3,354.09
MW - 1	08/20/03	3390.57	36.93	37.19	0.26	3,353.60
MW - 1	08/25/03	3390.57	36.97	37.25	0.28	3,353.56
MW - 1	09/08/03	3390.57	sheen	37.45	0.00	3,353.12
MW - 1	09/15/03	3390.57	sheen	37.48	0.00	3,353.09
MW - 1	09/24/03	3390.57	sheen	37.59	0.00	3,352.98
MW - 1	09/30/03	3390.57	37.18	37.19	0.01	3,353.39
MW - 1	10/07/03	3390.57	37.40	37.41	0.01	3,353.17
MW - 1	10/22/03	3390.57	sheen	37.31	0.00	3,353.26
MW - 1	10/27/03	3390.57	sheen	37.13	0.00	3,353.44
MW - 1	11/07/03	3390.57	37.40	37.52	0.12	3,353.15

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	11/10/03	3390.57	sheen	37.53	0.00	3,353.04
MW - 1	11/17/03	3390.57	sheen	36.81	0.00	3,353.76
MW - 1	12/08/03	3390.57	sheen	35.77	0.00	3,354.80
MW - 1	12/17/03	3390.57	sheen	36.79	0.00	3,353.78
MW - 1	12/22/03	3390.57	37.33	37.34	0.01	3,353.24
MW - 1	01/02/04	3390.57	sheen	35.41	0.00	3,355.16
MW - 1	01/06/04	3390.57	sheen	37.35	0.00	3,353.22
MW - 1	01/19/04	3390.57	sheen	35.96	0.00	3,354.61
MW - 1	01/26/04	3390.57	sheen	36.04	0.00	3,354.53
MW - 1	02/02/04	3390.57	sheen	35.99	0.00	3,354.58
MW - 1	02/09/04	3390.57	35.52	35.53	0.01	3,355.05
MW - 1	02/19/04	3390.57	sheen	35.62	0.00	3,354.95
MW - 1	02/23/04	3390.57	-	35.50	0.00	3,355.07
MW - 1	03/01/04	3390.57	-	35.48	0.00	3,355.09
MW - 1	03/10/04	3390.57	-	35.51	0.00	3,355.06
MW - 1	03/15/04	3390.57	-	35.94	0.00	3,354.63
MW - 1	03/23/04	3390.57	-	36.50	0.00	3,354.07
MW - 1	03/30/04	3390.57	-	36.66	0.00	3,353.91
MW - 1	04/12/04	3390.57	-	36.60	0.00	3,353.97
MW - 1	04/20/04	3390.57	-	36.00	0.00	3,354.57
MW - 1	05/03/04	3390.57	-	36.44	0.00	3,354.13
MW - 1	05/04/04	3390.57	-	36.44	0.00	3,354.13
MW - 1	06/09/04	3390.57	sheen	36.47	0.00	3,354.10
MW - 1	06/09/04	3390.57	36.47	36.47	0.01	3,354.11
MW - 1	06/16/04	3390.57	sheen	36.49	0.00	3,354.08
MW - 1	06/30/04	3390.57	sheen	26.50	0.00	3,364.07
MW - 1	07/13/04	3390.57	36.64	36.65	0.01	3,353.93
MW - 1	06/23/04	3390.57	sheen	26.52	0.00	3,364.05
MW - 1	08/23/04	3390.57	36.88	36.94	0.06	3,353.68
MW - 1	09/13/04	3390.57	sheen	37.10	0.00	3,353.47
MW - 1	09/22/04	3390.57	-	37.21	0.00	3,353.36
MW - 1	09/22/04	3390.57	-	37.21	0.00	3,353.36
MW - 1	09/29/04	3390.57	sheen	36.81	0.00	3,353.76
MW - 1	10/04/04	3390.57	sheen	36.15	0.00	3,354.42
MW - 1	10/04/04	3390.57	sheen	36.15	0.00	3,354.42
MW - 1	10/11/04	3390.57	sheen	35.98	0.00	3,354.59
MW - 1	10/19/04	3390.57	sheen	36.10	0.00	3,354.47
MW - 1	10/25/04	3390.57	sheen	36.13	0.00	3,354.44
MW - 1	11/01/04	3390.57	sheen	36.36	0.00	3,354.21
MW - 1	11/09/04	3390.57	sheen	36.31	0.00	3,354.26
MW - 1	11/17/04	3390.57	sheen	36.89	0.00	3,353.68
MW - 1	11/22/04	3390.57	sheen	36.50	0.00	3,354.07
MW - 1	11/29/04	3390.57	sheen	36.03	0.00	3,354.54
MW - 1	12/04/04	3390.57	sheen	35.65	0.00	3,354.92
MW - 1	12/13/04	3390.57	sheen	35.42	0.00	3,355.15
MW - 1	12/20/04	3390.57	sheen	35.30	0.00	3,355.27
MW - 1	12/30/04	3390.57	sheen	35.04	0.00	3,355.53

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	01/03/05	3390.57	sheen	35.01	0.00	3,355.56
MW - 1	01/10/05	3390.57	sheen	35.21	0.00	3,355.36
MW - 1	01/17/05	3390.57	sheen	35.19	0.00	3,355.38
MW - 1	01/24/05	3390.57	sheen	35.17	0.00	3,355.40
MW - 1	01/31/05	3390.57	sheen	35.29	0.00	3,355.28
MW - 1	02/07/05	3390.57	sheen	35.21	0.00	3,355.36
MW - 1	02/14/05	3390.57	sheen	35.28	0.00	3,355.29
MW - 1	02/21/05	3390.57	sheen	35.25	0.00	3,355.32
MW - 1	02/28/05	3390.57	sheen	35.29	0.00	3,355.28
MW - 1	*03/07/05*	3390.57	-	35.07	0.00	3,355.50
MW - 1	03/07/05	3390.57	sheen	35.07	0.00	3,355.50
MW - 1	03/16/05	3390.57	sheen	35.00	0.00	3,355.57
MW - 1	03/21/05	3390.57	sheen	34.95	0.00	3,355.62
MW - 1	03/28/05	3390.57	sheen	35.04	0.00	3,355.53
MW - 1	04/04/05	3390.57	sheen	35.07	0.00	3,355.50
MW - 1	04/13/05	3390.57	sheen	35.09	0.00	3,355.48
MW - 1	04/18/05	3390.57	sheen	35.10	0.00	3,355.47
MW - 1	05/23/05	3390.57	sheen	35.24	0.00	3,355.33
MW - 1	*06/07/05*	3390.57	-	35.05	0.00	3,355.52
MW - 1	06/21/05	3390.57	sheen	35.20	0.00	3,355.37
MW - 1	07/26/05	3390.57	sheen	35.05	0.00	3,355.52
MW - 1	08/25/05	3390.57	sheen	35.23	0.00	3,355.34
MW - 1	*09/07/05*	3390.57	sheen	35.20	0.00	3,355.37
MW - 1	09/26/05	3390.57	sheen	35.35	0.00	3,355.22
MONITOR WELL RISER WAS EXTENDED & RESURVEYED - NOTE ELEVATION CHANGE						
MW - 1	11/14/05	3391.62	sheen	49.84	0.00	3,341.78
MW - 1	*12/14/05*	3391.62	-	46.80	0.00	3,344.82
MW - 1	12/28/05	3391.62	sheen	46.55	0.00	3,345.07
MW - 1	01/12/06	3391.62	-	46.47	0.00	3,345.15
MW - 1	01/18/06	3391.62	sheen	46.56	0.00	3,345.06
MW - 1	02/15/06	3391.62	sheen	46.40	0.00	3,345.22
MW - 1	*03/06/06*	3391.62	-	46.50	0.00	3,345.12
MW - 1	03/20/06	3391.62	sheen	46.57	0.00	3,345.05
MW - 1	*04/13/06*	3391.62	sheen	46.39	0.00	3,345.23
MW - 1	04/19/06	3391.62	sheen	46.50	0.00	3,345.12
MW - 1	05/25/06	3391.62	sheen	46.24	0.00	3,345.38
MW - 1	*06/05/06*	3391.62	sheen	46.22	0.00	3,345.40
MW - 1	*09/11/06*	3391.62	sheen	46.71	0.00	3,344.91
MW - 1	10/31/06	3391.62	sheen	46.91	0.00	3,344.71
MW - 1	11/16/06	3391.62	sheen	46.80	0.00	3,344.82
MW - 1	*11/21/06*	3391.62	sheen	46.76	0.00	3,344.86
MW - 1	01/26/07	3391.62	sheen	46.66	0.00	3,344.96
MW - 1	01/31/07	3391.62	sheen	46.53	0.00	3,345.09
MW - 1	02/15/07	3391.62	-	46.61	0.00	3,345.01
MW - 1	*02/20/07*	3391.62	-	46.56	0.00	3,345.06
MW - 1	*05/15/07*	3391.62	-	46.74	0.00	3,344.88
MW - 1	*08/09/07*	3391.62	-	46.48	0.00	3,345.14

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	10/01/07	3391.62	sheen	46.73	0.00	3,344.89
MW - 1	10/12/07	3391.62	sheen	46.73	0.00	3,344.89
MW - 1	*11/13/07*	3391.62	-	46.82	0.00	3,344.80
MW - 1	*02/14/08*	3391.62	-	46.99	0.00	3,344.63
MW - 1	04/18/08	3391.62	-	46.11	0.00	3,345.51
MW - 1	*05/16/08*	3391.62	-	46.31	0.00	3,345.31
MW - 1	*06/08/08*	3391.62	-	46.40	0.00	3,345.22
MW - 1	07/15/08	3391.62	-	46.70	0.00	3,344.92
MW - 1	07/16/08	3391.62	-	46.76	0.00	3,344.86
MW - 1	08/12/08	3391.62	-	46.80	0.00	3,344.82
MW - 1	*08/19/08*	3391.62	-	46.85	0.00	3,344.77
MW - 1	10/28/08	3391.62	-	47.08	0.00	3,344.54
MW - 1	*11/19/08*	3391.62	-	46.18	0.00	3,345.44
MW - 1	11/24/08	3391.62	-	47.32	0.00	3,344.30
MW - 1	12/17/08	3391.62	-	47.09	0.00	3,344.53
MW - 1	12/29/08	3391.62	sheen	-	0.00	-
MW - 1	*02/18/09*	3391.62	-	46.34	0.00	3,345.28
MW - 1	03/03/09	3391.62	-	46.19	0.00	3,345.43
MW - 1	03/10/09	3391.62	-	46.43	0.00	3,345.19
MW - 1	03/18/09	3391.62	-	46.55	0.00	3,345.07
MW - 1	03/27/09	3391.62	-	46.55	0.00	3,345.07
MW - 1	04/07/09	3391.62	-	46.69	0.00	3,344.93
MW - 1	04/14/09	3391.62	-	46.75	0.00	3,344.87
MW - 1	04/28/09	3391.62	-	46.83	0.00	3,344.79
MW - 1	*05/19/09*	3391.62		46.91	0.00	3,344.71
MW - 1	05/27/09	3391.62	-	47.04	0.00	3,344.58
MW - 1	06/04/09	3391.62	-	47.02	0.00	3,344.60
MW - 1	06/12/09	3391.62	-	47.08	0.00	3,344.54
MW - 1	06/18/09	3391.62	-	47.12	0.00	3,344.50
MW - 1	06/30/09	3391.62	-	46.20	0.00	3,345.42
MW - 1	07/07/09	3391.62	-	47.14	0.00	3,344.48
MW - 1	07/14/09	3391.62	-	47.15	0.00	3,344.47
MW - 1	07/21/09	3391.62	-	47.21	0.00	3,344.41
MW - 1	07/28/09	3391.62	-	47.14	0.00	3,344.48
MW - 1	08/07/09	3391.62	-	47.16	0.00	3,344.46
MW - 1	*08/13/09*	3391.62	-	47.13	0.00	3,344.49
MW - 1	08/21/09	3391.62	-	47.17	0.00	3,344.45
MW - 1	08/27/09	3391.62	-	47.21	0.00	3,344.41
MW - 1	09/10/09	3391.62	-	47.20	0.00	3,344.42
MW - 1	09/18/09	3391.62	-	47.22	0.00	3,344.40
MW - 1	09/29/09	3391.62	-	47.16	0.00	3,344.46
MW - 1	10/06/09	3391.62	-	47.17	0.00	3,344.45
MW - 1	10/20/09	3391.62	-	47.16	0.00	3,344.46
MW - 1	10/27/09	3391.62	-	47.17	0.00	3,344.45
MW - 1	*11/11/09*	3391.62	-	47.24	0.00	3,344.38
MW - 1	11/13/09	3391.62	-	47.12	0.00	3,344.50
MW - 1	12/08/09	3391.62	-	47.17	0.00	3,344.45

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	12/22/09	3391.62	-	47.18	0.00	3,344.44
MW - 1	01/12/10	3391.62	-	47.20	0.00	3,344.42
MW - 1	01/22/10	3391.62	-	47.16	0.00	3,344.46
MW - 1	*02/04/10*	3391.62	-	47.30	0.00	3,344.32
MW - 1	03/03/10	3391.62	-	47.49	0.00	3,344.13
MW - 1	03/16/10	3391.62	-	48.61	0.00	3,343.01
MW - 1	04/15/10	3391.62	-	47.53	0.00	3,344.09
MW - 1	*05/07/10*	3391.62	-	47.49	0.00	3,344.13
MW - 1	05/28/10	3391.62	-	47.61	0.00	3,344.01
MW - 1	06/08/10	3391.62	-	47.53	0.00	3,344.09
MW - 1	06/25/10	3391.62	-	47.49	0.00	3,344.13
MW - 1	07/08/10	3391.62	-	47.56	0.00	3,344.06
MW - 1	07/28/10	3391.62	-	47.51	0.00	3,344.11
MW - 1	*08/06/10*	3391.62	-	47.48	0.00	3,344.14
MW - 1	08/31/10	3391.62	-	47.62	0.00	3,344.00
MW - 1	09/10/10	3391.62	-	47.61	0.00	3,344.01
MW - 1	09/24/10	3391.62	-	47.63	0.00	3,343.99
MW - 1	10/06/10	3391.62	-	47.65	0.00	3,343.97
MW - 1	10/26/10	3391.62	-	47.16	0.00	3,344.46
MW - 1	11/05/10	3391.62	-	47.50	0.00	3,344.12
MW - 1	12/17/10	3391.62	-	47.14	0.00	3,344.48
MW - 1	01/13/11	3391.62	sheen	47.69	0.00	3,343.93
MW - 1	*02/11/11*	3391.62	-	47.50	0.00	3,344.12
MW - 1	*05/09/11*	3391.62	-	47.51	0.00	3,344.11
MW - 1	05/20/11	3391.62	-	47.93	0.00	3,343.69
MW - 1	06/29/11	3391.62	-	47.80	0.00	3,343.82
MW - 1	07/05/11	3391.62	-	47.82	0.00	3,343.80
MW - 1	07/25/11	3391.62	-	47.72	0.00	3,343.90
MW - 1	*08/05/11*	3391.62	-	47.53	0.00	3,344.09
MW - 1	08/11/11	3391.62	-	47.81	0.00	3,343.81
MW - 1	08/24/11	3391.62	-	47.90	0.00	3,343.72
MW - 1	09/09/11	3391.62	-	48.55	0.00	3,343.07
MW - 1	09/23/11	3391.62	-	48.60	0.00	3,343.02
MW - 1	10/26/11	3391.62	-	48.59	0.00	3,343.03
MW - 1	*11/17/11*	3391.62	-	48.53	0.00	3,343.09
MW - 1	01/30/12	3391.62	-	48.52	0.00	3,343.10
MW - 1	*02/28/12*	3391.62	-	48.33	0.00	3,343.29
MW - 1	03/15/12	3391.62	-	48.52	0.00	3,343.10
MW - 1	03/28/12	3391.62	47.97	48.33	0.36	3,343.60
MW - 1	04/05/12	3391.62	-	48.17	0.00	3,343.45
MW - 1	04/23/12	3391.62	-	48.17	0.00	3,343.45
MW - 1	*05/03/12*	3391.62	-	48.22	0.00	3,343.40
MW - 1	06/28/12	3391.62	-	48.49	0.00	3,343.13
MW - 1	*08/24/12*	3391.62	-	48.65	0.00	3,342.97
MW - 1	*10/12/12*	3391.62	48.56	48.59	0.03	3,343.06
MW - 1	*10/24/12*	3391.62	48.43	48.44	0.01	3,343.19
MW - 1	*11/15/12*	3391.62	48.46	48.47	0.01	3,343.16

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	*12/20/12*	3391.62	48.46	48.47	0.01	3,343.16
MW - 1	*01/14/13*	3391.62	-	48.31	0.00	3,343.31
MW - 1	*02/14/13*	3391.62	-	48.34	0.00	3,343.28
MW - 1	*03/29/13*	3391.62	-	48.27	0.00	3,343.35
MW - 1	*04/19/13*	3391.62	-	48.27	0.00	3,343.35
MW - 1	*04/30/13*	3391.62	-	48.23	0.00	3,343.39
MW - 1	*05/28/13*	3391.62	-	48.26	0.00	3,343.36
MW - 1	05/23/13	3391.62	-	48.31	0.00	3,343.31
MW - 1	05/30/13	3391.62	-	48.26	0.00	3,343.36
MW - 1	06/06/13	3391.62	-	48.36	0.00	3,343.26
MW - 1	06/13/13	3391.62	-	48.41	0.00	3,343.21
MW - 1	06/19/13	3391.62	-	48.42	0.00	3,343.20
MW - 1	07/30/13	3391.62	-	48.65	0.00	3,342.97
MW - 1	*08/06/13*	3391.62	-	48.62	0.00	3,343.00
MW - 1	08/09/13	3391.62	-	48.69	0.00	3,342.93
MW - 1	08/30/13	3391.62	-	48.77	0.00	3,342.85
MW - 1	09/12/13	3391.62	-	48.93	0.00	3,342.69
MW - 1	10/03/13	3391.62	-	48.96	0.00	3,342.66
MW - 1	11/01/13	3391.62	-	48.89	0.00	3,342.73
MW - 1	*11/07/13*	3391.62	-	48.89	0.00	3,342.73
MW - 1	12/10/13	3391.62	-	49.04	0.00	3,342.58
MW - 2	03/03/99	3390.85	46.33	49.33	3.00	3,344.07
MW - 2	05/12/99	3390.85	46.46	49.02	2.56	3,344.01
MW - 2	18/23/99	3390.85	46.65	49.38	2.73	3,343.79
MW - 2	11/29/99	3390.85	45.98	46.25	0.27	3,344.83
MW - 2	03/09/00	3390.85	46.68	48.40	1.72	3,343.91
MW - 2	05/11/00	3390.85	46.43	47.96	1.53	3,344.19
MW - 2	09/12/00	3390.85	46.31	47.77	1.46	3,344.32
MW - 2	12/14/00	3390.85	46.21	46.76	0.55	3,344.56
MW - 2	03/21/01	3390.85	46.68	48.40	1.72	3,343.91
MW - 2	05/30/01	3390.85	46.56	48.17	1.61	3,344.05
MW - 2	09/25/01	3390.85	46.74	48.59	1.85	3,343.83
MW - 2	11/17/01	3390.85	46.20	46.76	0.56	3,344.57
MW - 2	02/20/02	3390.85	46.31	47.42	1.11	3,344.37
MW - 2	05/20/02	3390.85	46.69	48.48	1.79	3,343.89
MW - 2	09/24/02	3390.85	47.33	49.90	2.57	3,343.13
MW - 2	10/29/02	3390.85	42.62	50.12	7.50	3,347.11
MW - 2	11/06/02	3390.85	48.32	49.97	1.65	3,342.28
MW - 2	11/13/02	3390.85	47.78	50.16	2.38	3,342.71
MW - 2	01/07/03	3390.85	47.67	50.20	2.53	3,342.80
MW - 2	01/13/03	3390.85	47.67	49.96	2.29	3,342.84
MW - 2	01/27/03	3390.85	48.23	48.26	0.03	3,342.62
MW - 2	02/06/03	3390.85	48.22	48.70	0.48	3,342.56
MW - 2	02/19/03	3390.85	48.25	49.92	1.67	3,342.35
MW - 2	03/05/03	3390.85	48.21	50.01	1.80	3,342.37
MW - 2	03/11/03	3390.85	47.81	48.42	0.61	3,342.95

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	03/19/03	3390.85	47.96	48.40	0.44	3,342.82
MW - 2	03/25/03	3390.85	47.53	48.31	0.78	3,343.20
MW - 2	04/02/03	3390.85	47.72	48.15	0.43	3,343.07
MW - 2	04/16/03	3390.85	47.66	48.76	1.10	3,343.03
MW - 2	04/23/03	3390.85	47.59	48.52	0.93	3,343.12
MW - 2	04/29/03	3390.85	47.60	48.63	1.03	3,343.10
MW - 2	05/08/03	3390.85	47.64	49.02	1.38	3,343.00
MW - 2	05/15/03	3390.85	47.80	49.54	1.74	3,342.79
MW - 2	05/20/03	3390.85	48.01	49.76	1.75	3,342.58
MW - 2	05/27/03	3390.85	48.44	49.51	1.07	3,342.25
MW - 2	06/03/03	3390.85	48.00	49.76	1.76	3,342.59
MW - 2	06/10/03	3390.85	48.13	50.10	1.97	3,342.42
MW - 2	06/25/03	3390.85	48.24	49.44	1.20	3,342.43
MW - 2	07/02/03	3390.85	48.27	50.41	2.14	3,342.26
MW - 2	07/07/03	3390.85	48.23	50.43	2.20	3,342.29
MW - 2	07/22/03	3390.85	sheen	48.19	0.00	3,342.66
MW - 2	07/30/03	3390.85	47.72	49.15	1.43	3,342.92
MW - 2	08/06/03	3390.85	47.69	48.32	0.63	3,343.07
MW - 2	08/13/03	3390.85	47.99	49.10	1.11	3,342.69
MW - 2	08/19/03	3390.85	47.86	49.50	1.64	3,342.74
MW - 2	08/20/03	3390.85	48.17	49.94	1.77	3,342.41
MW - 2	08/25/03	3390.85	48.27	50.28	2.01	3,342.28
MW - 2	09/08/03	3390.85	48.50	49.16	0.66	3,342.25
MW - 2	09/15/03	3390.85	48.55	48.91	0.36	3,342.25
MW - 2	09/24/03	3390.85	48.61	49.11	0.50	3,342.17
MW - 2	09/30/03	3390.85	48.65	49.60	0.95	3,342.06
MW - 2	10/07/03	3390.85	48.56	50.22	1.66	3,342.04
MW - 2	10/22/03	3390.85	48.50	50.28	1.78	3,342.08
MW - 2	10/27/03	3390.85	48.45	50.18	1.73	3,342.14
MW - 2	11/07/03	3390.85	48.56	50.28	1.72	3,342.03
MW - 2	11/10/03	3390.85	48.50	50.11	1.61	3,342.11
MW - 2	11/17/03	3390.85	47.98	49.27	1.29	3,342.68
MW - 2	12/08/03	3390.85	47.27	47.32	0.05	3,343.57
MW - 2	12/17/03	3390.85	47.95	49.29	1.34	3,342.70
MW - 2	12/22/03	3390.85	48.49	50.18	1.69	3,342.11
MW - 2	01/02/04	3390.85	46.81	46.83	0.02	3,344.04
MW - 2	01/06/04	3390.85	48.50	50.06	1.56	3,342.12
MW - 2	01/19/04	3390.85	47.28	47.30	0.02	3,343.57
MW - 2	01/26/04	3390.85	47.36	47.39	0.03	3,343.49
MW - 2	02/02/04	3390.85	47.38	47.41	0.03	3,343.47
MW - 2	02/09/04	3390.85	47.00	47.21	0.21	3,343.82
MW - 2	02/19/04	3390.85	47.04	47.05	0.01	3,343.81
MW - 2	02/23/04	3390.85	47.02	47.20	0.18	3,343.80
MW - 2	03/01/04	3390.85	46.99	47.18	0.19	3,343.83
MW - 2	03/10/04	3390.85	47.07	47.19	0.12	3,343.76
MW - 2	03/15/04	3390.85	sheen	47.55	0.00	3,343.30
MW - 2	03/23/04	3390.85	48.05	48.06	0.01	3,342.80

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	03/30/04	3390.85	48.17	48.26	0.09	3,342.67
MW - 2	04/12/04	3390.85	48.10	48.13	0.03	3,342.75
MW - 2	04/20/04	3390.85	sheen	47.58	0.00	3,343.27
MW - 2	05/03/04	3390.85	sheen	48.11	0.00	3,342.74
MW - 2	05/04/04	3390.85	sheen	48.11	0.00	3,342.74
MW - 2	06/09/04	3390.85	48.07	48.59	0.52	3,342.70
MW - 2	06/16/04	3390.85	48.08	48.54	0.46	3,342.70
MW - 2	06/23/04	3390.85	48.13	48.55	0.42	3,342.66
MW - 2	06/30/04	3390.85	48.10	48.51	0.41	3,342.69
MW - 2	07/13/04	3390.85	48.28	49.06	0.78	3,342.45
MW - 2	07/22/04	3390.85	48.44	49.36	0.92	3,342.27
MW - 2	08/23/04	3390.85	48.38	49.70	1.32	3,342.27
MW - 2	09/13/04	3390.85	48.36	49.97	1.61	3,342.25
MW - 2	09/22/04	3390.85	48.41	50.35	1.94	3,342.15
MW - 2	09/29/04	3390.85	48.30	49.80	1.50	3,342.33
MW - 2	10/04/04	3390.85	47.84	48.76	0.92	3,342.87
MW - 2	10/11/04	3390.85	47.74	48.45	0.71	3,343.00
MW - 2	10/19/04	3390.85	47.73	48.63	0.90	3,342.99
MW - 2	10/25/04	3390.85	47.79	48.59	0.80	3,342.94
MW - 2	11/01/04	3390.85	47.98	49.10	1.12	3,342.70
MW - 2	11/09/04	3390.85	48.01	48.96	0.95	3,342.70
MW - 2	11/17/04	3390.85	47.90	49.10	1.20	3,342.77
MW - 2	11/22/04	3390.85	48.03	48.87	0.84	3,342.69
MW - 2	11/29/04	3390.85	46.53	47.00	0.47	3,344.25
MW - 2	12/04/04	3390.85	47.22	47.40	0.18	3,343.60
MW - 2	12/13/04	3390.85	46.99	47.07	0.08	3,343.85
MW - 2	12/20/04	3390.85	47.03	47.12	0.09	3,343.81
MW - 2	12/30/04	3390.85	46.65	46.67	0.02	3,344.20
MW - 2	01/03/05	3390.85	sheen	46.59	0.00	3,344.26
MW - 2	01/10/05	3390.85	47.10	47.18	0.08	3,343.74
MW - 2	01/17/05	3390.85	sheen	46.76	0.00	3,344.09
MW - 2	01/24/05	3390.85	sheen	46.82	0.00	3,344.03
MW - 2	01/31/05	3390.85	sheen	46.89	0.00	3,343.96
MW - 2	02/07/05	3390.85	sheen	46.81	0.00	3,344.04
MW - 2	02/14/05	3390.85	sheen	46.93	0.00	3,343.92
MW - 2	02/21/05	3390.85	sheen	46.87	0.00	3,343.98
MW - 2	02/28/05	3390.85	sheen	46.90	0.00	3,343.95
MW - 2	*03/07/05*	3390.85	-	46.75	0.00	3,344.10
MW - 2	03/07/05	3390.85	sheen	46.75	0.00	3,344.10
MW - 2	03/16/05	3390.85	sheen	46.58	0.00	3,344.27
MW - 2	03/21/05	3390.85	sheen	46.52	0.00	3,344.33
MW - 2	03/28/05	3390.85	sheen	46.67	0.00	3,344.18
MW - 2	04/04/05	3390.85	sheen	46.66	0.00	3,344.19
MW - 2	04/13/05	3390.85	sheen	46.67	0.00	3,344.18
MW - 2	04/18/05	3390.85	sheen	46.64	0.00	3,344.21
MW - 2	05/23/05	3390.85	sheen	46.89	0.00	3,343.96
MW - 2	*06/07/05*	3390.85	-	46.67	0.00	3,344.18

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	06/21/05	3390.85	sheen	46.83	0.00	3,344.02
MW - 2	07/26/05	3390.85	sheen	46.69	0.00	3,344.16
MW - 2	08/25/05	3390.85	sheen	46.71	0.00	3,344.14
MW - 2	*09/07/05*	3390.85	-	46.68	0.00	3,344.17
MW - 2	09/26/05	3390.85	sheen	46.78	0.00	3,344.07
MW - 2	11/14/05	3390.85	sheen	46.51	0.00	3,344.34
MW - 2	*12/14/05*	3390.85	-	46.09	0.00	3,344.76
MW - 2	12/28/05	3390.85	sheen	45.81	0.00	3,345.04
MW - 2	01/18/06	3390.85	sheen	45.89	0.00	3,344.96
MW - 2	02/15/06	3390.85	sheen	45.71	0.00	3,345.14
MW - 2	*03/06/06*	3390.85	sheen	45.83	0.00	3,345.02
MW - 2	03/20/06	3390.85	sheen	45.90	0.00	3,344.95
MW - 2	*04/13/06*	3390.85	sheen	45.72	0.00	3,345.13
MW - 2	04/19/06	3390.85	sheen	45.81	0.00	3,345.04
MW - 2	05/25/06	3390.85	sheen	45.55	0.00	3,345.30
MW - 2	*06/05/06*	3390.85	sheen	45.52	0.00	3,345.33
MW - 2	*09/11/06*	3390.85	sheen	46.08	0.00	3,344.77
MW - 2	10/31/06	3390.85	sheen	46.30	0.00	3,344.55
MW - 2	11/16/06	3390.85	sheen	46.13	0.00	3,344.72
MW - 2	*11/21/06*	3390.85	sheen	46.97	0.00	3,343.88
MW - 2	01/26/07	3390.85	sheen	46.02	0.00	3,344.83
MW - 2	01/31/07	3390.85	sheen	45.91	0.00	3,344.94
MW - 2	02/15/07	3390.85	-	45.96	0.00	3,344.89
MW - 2	*02/20/07*	3390.85	sheen	45.94	0.00	3,344.91
MW - 2	*05/15/07*	3390.85	sheen	46.04	0.00	3,344.81
MW - 2	*08/09/07*	3390.85	sheen	45.82	0.00	3,345.03
MW - 2	10/01/07	3390.85	sheen	46.11	0.00	3,344.74
MW - 2	10/12/07	3390.85	sheen	46.11	0.00	3,344.74
MW - 2	*11/13/07*	3390.85	sheen	46.14	0.00	3,344.71
MW - 2	*02/14/08*	3390.85	-	46.40	0.00	3,344.45
MW - 2	04/18/08	3390.85	-	45.42	0.00	3,345.43
MW - 2	*05/16/08*	3390.85	-	45.67	0.00	3,345.18
MW - 2	07/15/08	3390.85	-	46.10	0.00	3,344.75
MW - 2	07/16/08	3390.85	-	46.18	0.00	3,344.67
MW - 2	08/12/08	3390.85	-	46.23	0.00	3,344.62
MW - 2	*08/19/08*	3390.85	-	46.21	0.00	3,344.64
MW - 2	*10/09/08*	3390.85	-	46.41	0.00	3,344.44
MW - 2	*11/19/08*	3390.85	-	46.29	0.00	3,344.56
MW - 2	12/17/08	3390.85	-	46.45	0.00	3,344.40
MW - 2	*02/18/09*	3390.85	-	45.66	0.00	3,345.19
MW - 2	03/03/09	3390.85	-	45.65	0.00	3,345.20
MW - 2	03/10/09	3390.85	-	45.83	0.00	3,345.02
MW - 2	03/18/09	3390.85	-	45.91	0.00	3,344.94
MW - 2	03/27/09	3390.85	-	45.92	0.00	3,344.93
MW - 2	04/07/09	3390.85	-	46.09	0.00	3,344.76
MW - 2	04/14/09	3390.85	-	46.12	0.00	3,344.73
MW - 2	04/28/09	3390.85	-	46.22	0.00	3,344.63

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	*05/19/09*	3390.85	-	46.32	0.00	3,344.53
MW - 2	05/27/09	3390.85	-	46.42	0.00	3,344.43
MW - 2	06/04/09	3390.85	-	46.41	0.00	3,344.44
MW - 2	06/12/09	3390.85	-	46.46	0.00	3,344.39
MW - 2	06/18/09	3390.85	-	46.52	0.00	3,344.33
MW - 2	06/30/09	3390.85	-	45.63	0.00	3,345.22
MW - 2	07/07/09	3390.85	-	46.52	0.00	3,344.33
MW - 2	07/14/09	3390.85	-	46.53	0.00	3,344.32
MW - 2	07/21/09	3390.85	-	46.58	0.00	3,344.27
MW - 2	07/28/09	3390.85	-	46.51	0.00	3,344.34
MW - 2	08/07/09	3390.85	-	46.53	0.00	3,344.32
MW - 2	*08/13/09*	3390.85	-	46.50	0.00	3,344.35
MW - 2	08/21/09	3390.85	-	46.53	0.00	3,344.32
MW - 2	08/27/09	3390.85	-	46.56	0.00	3,344.29
MW - 2	09/10/09	3390.85	-	46.56	0.00	3,344.29
MW - 2	09/18/09	3390.85	-	46.54	0.00	3,344.31
MW - 2	09/29/09	3390.85	-	46.53	0.00	3,344.32
MW - 2	10/06/09	3390.85	-	46.54	0.00	3,344.31
MW - 2	10/20/09	3390.85	-	46.55	0.00	3,344.30
MW - 2	10/27/09	3390.85	-	46.56	0.00	3,344.29
MW - 2	*11/11/09*	3390.85	-	46.61	0.00	3,344.24
MW - 2	11/13/09	3390.85		46.50	0.00	3,344.35
MW - 2	12/08/09	3390.85		46.53	0.00	3,344.32
MW - 2	12/22/09	3390.85	-	46.55	0.00	3,344.30
MW - 2	01/12/10	3390.85	-	46.60	0.00	3,344.25
MW - 2	01/22/10	3390.85	-	46.58	0.00	3,344.27
MW - 2	*02/04/10*	3390.85		46.68	0.00	3,344.17
MW - 2	03/03/10	3390.85	-	46.89	0.00	3,343.96
MW - 2	03/16/10	3390.85	-	46.90	0.00	3,343.95
MW - 2	04/15/10	3390.85	-	46.91	0.00	3,343.94
MW - 2	*05/07/10*	3390.85	-	46.87	0.00	3,343.98
MW - 2	05/28/10	3390.85	-	46.96	0.00	3,343.89
MW - 2	06/08/10	3390.85	-	46.90	0.00	3,343.95
MW - 2	06/25/10	3390.85	-	46.88	0.00	3,343.97
MW - 2	07/08/10	3390.85	-	46.86	0.00	3,343.99
MW - 2	07/28/10	3390.85	-	46.90	0.00	3,343.95
MW - 2	08/06/10	3390.85	-	46.88	0.00	3,343.97
MW - 2	08/31/10	3390.85	-	46.99	0.00	3,343.86
MW - 2	09/10/10	3390.85	-	46.99	0.00	3,343.86
MW - 2	09/24/10	3390.85	-	46.95	0.00	3,343.90
MW - 2	10/06/10	3390.85	-	46.96	0.00	3,343.89
MW - 2	10/26/10	3390.85	-	46.58	0.00	3,344.27
MW - 2	*11/05/10*	3390.85	-	46.90	0.00	3,343.95
MW - 2	12/17/10	3390.85	-	46.57	0.00	3,344.28
MW - 2	01/13/11	3390.85	sheen	46.97	0.00	3,343.88
MW - 2	*02/11/11*	3390.85	-	46.91	0.00	3,343.94
MW - 2	*05/09/11*	3390.85	-	46.90	0.00	3,343.95

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	05/20/11	3390.85	-	47.34	0.00	3,343.51
MW - 2	06/29/11	3390.85	-	47.39	0.00	3,343.46
MW - 2	07/05/11	3390.85	-	47.59	0.00	3,343.26
MW - 2	07/25/11	3390.85	-	47.61	0.00	3,343.24
MW - 2	*08/05/11*	3390.85	-	46.91	0.00	3,343.94
MW - 2	08/11/11	3390.85	-	47.65	0.00	3,343.20
MW - 2	08/24/11	3390.85	-	47.76	0.00	3,343.09
MW - 2	09/09/11	3390.85	-	47.84	0.00	3,343.01
MW - 2	09/23/11	3390.85	-	47.91	0.00	3,342.94
MW - 2	10/26/11	3390.85	-	47.88	0.00	3,342.97
MW - 2	*11/17/11*	3390.85	-	47.87	0.00	3,342.98
MW - 2	01/30/12	3390.85	-	47.89	0.00	3,342.96
MW - 2	*02/28/12*	3390.85	-	47.69	0.00	3,343.16
MW - 2	03/15/12	3390.85	-	47.59	0.00	3,343.26
MW - 2	03/28/12	3390.85	-	47.50	0.00	3,343.35
MW - 2	04/05/12	3390.85	-	47.53	0.00	3,343.32
MW - 2	04/23/12	3390.85	-	45.52	0.00	3,345.33
MW - 2	*05/03/12*	3390.85	-	47.65	0.00	3,343.20
MW - 2	06/28/12	3390.85	-	47.89	0.00	3,342.96
MW - 2	*08/24/12*	3390.85	48.08	48.25	0.17	3,342.74
MW - 2	*10/12/12*	3390.85	47.87	48.49	0.62	3,342.89
MW - 2	*10/24/12*	3390.85	47.77	48.21	0.44	3,343.01
MW - 2	*11/15/12*	3390.85	47.79	48.31	0.52	3,342.98
MW - 2	*12/20/12*	3390.85	47.75	48.41	0.66	3,343.00
MW - 2	*01/14/13*	3390.85	47.63	48.11	0.48	3,343.15
MW - 2	02/14/13	3390.85	47.61	48.11	0.50	3,343.17
MW - 2	03/29/13	3390.85	47.56	47.88	0.32	3,343.24
MW - 2	04/19/13	3390.85	47.55	47.94	0.39	3,343.24
MW - 2	04/30/13	3390.85	47.51	47.82	0.31	3,343.29
MW - 2	05/23/13	3390.85	47.55	48.11	0.56	3,343.22
MW - 2	05/28/13	3390.85	47.56	48.04	0.48	3,343.22
MW - 2	05/30/13	3390.85	47.56	48.06	0.50	3,343.22
MW - 2	06/06/13	3390.85	47.62	48.41	0.79	3,343.11
MW - 2	06/13/13	3390.85	47.63	48.47	0.84	3,343.09
MW - 2	06/19/13	3390.85	47.63	48.39	0.76	3,343.11
MW - 2	07/30/13	3390.85	47.80	49.08	1.28	3,342.86
MW - 2	08/06/13	3390.85	47.82	49.03	1.21	3,342.85
MW - 2	08/09/13	3390.85	47.86	49.17	1.31	3,342.79
MW - 2	08/30/13	3390.85	47.91	49.19	1.28	3,342.75
MW - 2	09/12/13	3390.85	47.97	49.17	1.20	3,342.70
MW - 2	10/03/13	3390.85	48.00	49.16	1.16	3,342.68
MW - 2	11/01/13	3390.85	48.09	49.37	1.28	3,342.57
MW - 2	11/07/13	3390.85	48.14	49.27	1.13	3,342.54
MW - 2	12/10/13	3390.85	48.04	49.23	1.19	3,342.63
MW - 3	02/03/99	3391.08	-	47.09	0.00	3,343.99
MW - 3	05/12/99	3391.08	-	47.06	0.00	3,344.02

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 3	08/23/99	3391.08	-	47.24	0.00	3,343.84
MW - 3	11/29/99	3391.08	-	46.18	0.00	3,344.90
MW - 3	03/09/00	3391.08	-	47.17	0.00	3,343.91
MW - 3	05/11/00	3391.08	-	46.95	0.00	3,344.13
MW - 3	09/12/00	3391.08	-	46.89	0.00	3,344.19
MW - 3	12/14/00	3391.08	-	46.55	0.00	3,344.53
MW - 3	03/21/01	3391.08	-	46.18	0.00	3,344.90
MW - 3	05/30/01	3391.08	-	46.90	0.00	3,344.18
MW - 3	06/21/01	3391.08	-	47.12	0.00	3,343.96
MW - 3	09/25/01	3391.08	-	47.12	0.00	3,343.96
MW - 3	11/17/01	3391.08	-	46.83	0.00	3,344.25
MW - 3	02/20/02	3391.08	-	46.69	0.00	3,344.39
MW - 3	05/20/02	3391.08	-	47.11	0.00	3,343.97
MW - 3	09/24/02	3391.08	-	47.88	0.00	3,343.20
MW - 3	10/29/02	3391.08	-	48.13	0.00	3,342.95
MW - 3	11/13/02	3391.08	-	48.20	0.00	3,342.88
MW - 3	02/06/03	3391.08	-	48.22	0.00	3,342.86
MW - 3	05/08/03	3391.08	-	47.94	0.00	3,343.14
MW - 3	08/19/03	3391.08	-	48.20	0.00	3,342.88
MW - 3	11/07/03	3391.08	-	48.54	0.00	3,342.54
MW - 3	02/09/04	3391.08	-	47.22	0.00	3,343.86
MW - 3	05/04/04	3391.08	-	47.94	0.00	3,343.14
MW - 3	08/23/04	3391.08	-	48.66	0.00	3,342.42
MW - 3	12/04/04	3391.08	-	47.39	0.00	3,343.69
MW - 3	*03/07/05*	3391.08	-	46.78	0.00	3,344.30
MW - 3	*06/07/05*	3391.08	-	46.79	0.00	3,344.29
MW - 3	*09/07/05*	3391.08	-	46.78	0.00	3,344.30
MW - 3	*12/14/05*	3391.08	-	46.25	0.00	3,344.83
MW - 3	*03/06/06*	3391.08	-	45.96	0.00	3,345.12
MW - 3	*06/05/06*	3391.08	-	45.65	0.00	3,345.43
MW - 3	*09/11/06*	3391.08	-	46.16	0.00	3,344.92
MW - 3	*11/21/06*	3391.08	-	46.25	0.00	3,344.83
MW - 3	*02/20/07*	3391.08	-	46.06	0.00	3,345.02
MW - 3	*05/15/07*	3391.08	-	46.25	0.00	3,344.83
MW - 3	*08/09/07*	3391.08	-	45.99	0.00	3,345.09
MW - 3	*11/13/07*	3391.08	-	46.21	0.00	3,344.87
MW - 3	*02/14/08*	3391.08	-	43.34	0.00	3,347.74
MW - 3	*05/16/08*	3391.08	-	45.76	0.00	3,345.32
MW - 3	*08/19/08*	3391.08	-	46.32	0.00	3,344.76
MW - 3	*10/09/08*	3391.08	-	46.48	0.00	3,344.60
MW - 3	10/23/08	3391.08	-	46.54	0.00	3,344.54
MW - 3	10/28/08	3391.08	-	46.51	0.00	3,344.57
MW - 3	*11/19/08*	3391.08	-	46.44	0.00	3,344.64
MW - 3	11/24/08	3391.08	-	46.99	0.00	3,344.09
MW - 3	12/29/08	3391.08	-	-	-	-
MW - 3	*02/18/09*	3391.08	-	45.79	0.00	3,345.29
MW - 3	*05/19/09*	3391.08	-	46.48	0.00	3,344.60

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 3	07/07/09	3391.08	-	46.64	0.00	3,344.44
MW - 3	07/14/09	3391.08	-	46.66	0.00	3,344.42
MW - 3	07/28/09	3391.08	-	46.65	0.00	3,344.43
MW - 3	08/07/09	3391.08	-	46.66	0.00	3,344.42
MW - 3	*08/13/09*	3391.08	-	46.64	0.00	3,344.44
MW - 3	09/10/09	3391.08	-	46.72	0.00	3,344.36
MW - 3	09/18/09	3391.08	-	46.76	0.00	3,344.32
MW - 3	09/29/09	3391.08	-	46.66	0.00	3,344.42
MW - 3	10/06/09	3391.08	-	46.68	0.00	3,344.40
MW - 3	10/20/09	3391.08	-	46.69	0.00	3,344.39
MW - 3	10/27/09	3391.08	-	46.68	0.00	3,344.40
MW - 3	*11/11/09*	3391.08	-	46.76	0.00	3,344.32
MW - 3	12/22/09	3391.08	-	46.76	0.00	3,344.32
MW - 3	01/12/10	3391.08	-	46.72	0.00	3,344.36
MW - 3	*02/04/10*	3391.08	-	46.78	0.00	3,344.30
MW - 3	03/03/10	3391.08	-	46.99	0.00	3,344.09
MW - 3	04/15/10	3391.08	-	47.09	0.00	3,343.99
MW - 3	*05/07/10*	3391.08	-	47.11	0.00	3,343.97
MW - 3	*08/06/10*	3391.08	-	47.12	0.00	3,343.96
MW - 3	*11/05/10*	3391.08	-	47.14	0.00	3,343.94
MW - 3	*02/11/11*	3391.08	-	47.14	0.00	3,343.94
MW - 3	*05/09/11*	3391.08	-	47.16	0.00	3,343.92
MW - 3	*08/05/11*	3391.08	-	47.20	0.00	3,343.88
MW - 3	*11/17/11*	3391.08	-	47.98	0.00	3,343.10
MW - 3	*02/28/12*	3391.08	-	47.77	0.00	3,343.31
MW - 3	*05/03/12*	3391.08	-	47.75	0.00	3,343.33
MW - 3	*08/24/12*	3391.08	-	48.09	0.00	3,342.99
MW - 3	*11/15/12*	3391.08	-	47.92	0.00	3,343.16
MW - 3	02/14/13	3391.08	-	47.80	0.00	3,343.28
MW - 3	05/28/13	3391.08	-	47.75	0.00	3,343.33
MW - 3	08/06/13	3391.08	-	48.08	0.00	3,343.00
MW - 3	*11/07/13*	3391.08	-	48.41	0.00	3,342.67
MW - 4	02/03/99	3390.81	-	47.01	0.00	3,343.80
MW - 4	05/12/99	3390.81	-	46.91	0.00	3,343.90
MW - 4	08/23/99	3390.81	-	47.16	0.00	3,343.65
MW - 4	11/29/99	3390.81	-	46.03	0.00	3,344.78
MW - 4	03/09/00	3390.81	-	46.96	0.00	3,343.85
MW - 4	05/11/00	3390.81	-	46.80	0.00	3,344.01
MW - 4	09/12/00	3390.81	-	46.75	0.00	3,344.06
MW - 4	12/14/00	3390.81	-	46.33	0.00	3,344.48
MW - 4	03/21/01	3390.81	-	46.00	0.00	3,344.81
MW - 4	05/30/01	3390.81	-	46.70	0.00	3,344.11
MW - 4	06/21/01	3390.81	-	47.01	0.00	3,343.80
MW - 4	09/25/01	3390.81	-	47.02	0.00	3,343.79
MW - 4	11/17/01	3390.81	-	46.63	0.00	3,344.18
MW - 4	02/20/02	3390.81	-	47.47	0.00	3,343.34

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 4	05/20/02	3390.81	-	46.96	0.00	3,343.85
MW - 4	09/24/02	3390.81	-	48.78	0.00	3,342.03
MW - 4	10/29/02	3390.81	-	48.08	0.00	3,342.73
MW - 4	11/13/02	3390.81	-	48.18	0.00	3,342.63
MW - 4	02/06/03	3390.81	-	48.15	0.00	3,342.66
MW - 4	05/08/03	3390.81	-	47.82	0.00	3,342.99
MW - 4	08/19/03	3390.81	-	48.14	0.00	3,342.67
MW - 4	11/07/03	3390.81	-	48.43	0.00	3,342.38
MW - 4	02/09/04	3390.81	-	47.06	0.00	3,343.75
MW - 4	05/04/04	3390.81	-	47.82	0.00	3,342.99
MW - 4	08/23/04	3390.81	-	48.66	0.00	3,342.15
MW - 4	09/22/04	3390.81	sheen	48.76	0.00	3,342.05
MW - 4	09/29/04	3390.81	sheen	48.70	0.00	3,342.11
MW - 4	10/04/04	3390.81	sheen	48.10	0.00	3,342.71
MW - 4	10/11/04	3390.81	sheen	47.92	0.00	3,342.89
MW - 4	10/19/04	3390.81	sheen	48.01	0.00	3,342.80
MW - 4	10/25/04	3390.81	sheen	48.12	0.00	3,342.69
MW - 4	11/01/04	3390.81	sheen	48.16	0.00	3,342.65
MW - 4	11/09/04	3390.81	sheen	48.10	0.00	3,342.71
MW - 4	11/17/04	3390.81	sheen	48.16	0.00	3,342.65
MW - 4	11/22/04	3390.81	sheen	48.19	0.00	3,342.62
MW - 4	11/29/04	3390.81	sheen	47.63	0.00	3,343.18
MW - 4	12/04/04	3390.81	-	47.26	0.00	3,343.55
MW - 4	12/13/04	3390.81	sheen	46.80	0.00	3,344.01
MW - 4	12/20/05	3390.81	sheen	46.77	0.00	3,344.04
MW - 4	12/30/04	3390.81	sheen	46.50	0.00	3,344.31
MW - 4	01/03/05	3390.81	sheen	46.54	0.00	3,344.27
MW - 4	01/10/05	3390.81	sheen	46.66	0.00	3,344.15
MW - 4	01/17/05	3390.81	sheen	46.78	0.00	3,344.03
MW - 4	01/24/05	3390.81	sheen	46.82	0.00	3,343.99
MW - 4	01/31/05	3390.81	sheen	46.92	0.00	3,343.89
MW - 4	02/07/05	3390.81	sheen	46.88	0.00	3,343.93
MW - 4	02/14/05	3390.81	sheen	46.89	0.00	3,343.92
MW - 4	02/21/05	3390.81	sheen	46.92	0.00	3,343.89
MW - 4	02/28/05	3390.81	sheen	46.96	0.00	3,343.85
MW - 4	*03/07/05*	3390.81	-	46.60	0.00	3,344.21
MW - 4	03/07/05	3390.81	sheen	46.60	0.00	3,344.21
MW - 4	03/16/05	3390.81	sheen	46.89	0.00	3,343.92
MW - 4	03/21/05	3390.81	sheen	46.54	0.00	3,344.27
MW - 4	03/28/05	3390.81	sheen	46.66	0.00	3,344.15
MW - 4	04/04/05	3390.81	sheen	46.63	0.00	3,344.18
MW - 4	04/13/05	3390.81	sheen	46.65	0.00	3,344.16
MW - 4	04/18/05	3390.81	-	46.63	0.00	3,344.18
MW - 4	05/23/05	3390.81	sheen	46.93	0.00	3,343.88
MW - 4	*06/07/05*	3390.81	-	46.70	0.00	3,344.11
MW - 4	06/21/05	3390.81	sheen	46.90	0.00	3,343.91
MW - 4	07/26/05	3390.81	sheen	46.68	0.00	3,344.13

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 4	08/25/05	3390.81	sheen	46.69	0.00	3,344.12
MW - 4	*09/07/05*	3390.81	sheen	46.73	0.00	3,344.08
MW - 4	09/26/05	3390.81	sheen	46.88	0.00	3,343.93
MONITOR WELL WAS DAMAGED DURING BACKFILLING OPERATIONS						
MW - 4	11/14/05		sheen	46.49	0.00	
MONITOR WELL WAS REPAIRED & RESURVEYED - NOTE CHANGE IN ELEVATION						
MW - 4	-	3390.94	-	-	-	-
MW - 4	*12/14/05*	3390.94	COULD NOT SAMPLE - OBSTRUCTED			
MW - 4	12/28/05	3391.94	DRY	43.40		3,348.54
MW - 4	01/18/06	3391.94	DRY			
MW - 4	02/15/06	3391.94	DRY			
MW - 4	03/06/06	PLUGGED & ABANDONED				
MW - 5	11/29/99	3391.53	-	46.55	0.00	3,344.98
MW - 5	03/09/00	3391.53	-	47.51	0.00	3,344.02
MW - 5	05/11/00	3391.53	-	47.35	0.00	3,344.18
MW - 5	09/12/00	3391.53	-	47.25	0.00	3,344.28
MW - 5	12/14/00	3391.53	-	46.94	0.00	3,344.59
MW - 5	03/21/01	3391.53	-	46.55	0.00	3,344.98
MW - 5	05/30/01	3391.53	-	47.29	0.00	3,344.24
MW - 5	06/21/01	3391.53	-	47.45	0.00	3,344.08
MW - 5	09/25/01	3391.53	-	47.37	0.00	3,344.16
MW - 5	11/17/01	3391.53	-	47.20	0.00	3,344.33
MW - 5	02/20/02	3391.53	-	47.06	0.00	3,344.47
MW - 5	05/20/02	3391.53	-	47.47	0.00	3,344.06
MW - 5	09/24/02	3391.53	-	48.16	0.00	3,343.37
MW - 5	10/29/02	3391.53	-	48.36	0.00	3,343.17
MW - 5	11/13/02	3391.53	-	48.45	0.00	3,343.08
MW - 5	02/06/03	3391.53	-	48.44	0.00	3,343.09
MW - 5	05/08/03	3391.53	-	48.21	0.00	3,343.32
MW - 5	08/19/03	3391.53	-	48.42	0.00	3,343.11
MW - 5	11/07/03	3391.53	-	48.82	0.00	3,342.71
MW - 5	02/09/04	3391.53	-	47.56	0.00	3,343.97
MW - 5	05/04/04	3391.53	-	48.17	0.00	3,343.36
MW - 5	08/23/04	3391.53	-	48.89	0.00	3,342.64
MW - 5	12/04/04	3391.53	-	47.82	0.00	3,343.71
MW - 5	*03/07/05*	3391.53	-	47.14	0.00	3,344.39
MW - 5	*06/07/05*	3391.53	-	47.07	0.00	3,344.46
MW - 5	*0907/05*	3391.53	-	47.05	0.00	3,344.48
MW - 5	*12/14/05*	3391.53	-	46.60	0.00	3,344.93
MW - 5	*06/05/06*	3391.53	-	46.01	0.00	3,345.52
MW - 5	*09/11/06*	3391.53	-	46.47	0.00	3,345.06
MW - 5	*11/21/06*	3391.53	-	46.63	0.00	3,344.90
MW - 5	*02/20/07*	3391.53	-	46.35	0.00	3,345.18
MW - 5	*05/15/07*	3391.53	-	46.50	0.00	3,345.03
MW - 5	*08/09/07*	3391.53	-	46.27	0.00	3,345.26
MW - 5	*11/13/07*	3391.53	-	46.39	0.00	3,345.14

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 5	*02/14/08*	3391.53	-	44.55	0.00	3,346.98
MW - 5	*05/16/08*	3391.53	-	46.04	0.00	3,345.49
MW - 5	*08/19/08*	3391.53	-	46.53	0.00	3,345.00
MW - 5	*11/19/08*	3391.53	-	46.55	0.00	3,344.98
MW - 5	*02/18/09*	3391.53	-	46.01	0.00	3,345.52
MW - 5	*05/19/09*	3391.53	-	46.61	0.00	3,344.92
MW - 5	*08/13/09*	3391.53	-	46.83	0.00	3,344.70
MW - 5	*11/11/09*	3391.53	-	46.89	0.00	3,344.64
MW - 5	01/12/10	3391.53	-	46.87	0.00	3,344.66
MW - 5	*02/04/10*	3391.53	-	46.93	0.00	3,344.60
MW - 5	*05/07/10*	3391.53	-	46.92	0.00	3,344.61
MW - 5	*08/06/10*	3391.53	-	46.92	0.00	3,344.61
MW - 5	*11/05/10*	3391.53	-	46.94	0.00	3,344.59
MW - 5	*02/11/11*	3391.53	-	46.96	0.00	3,344.57
MW - 5	*05/09/11*	3391.53	-	46.95	0.00	3,344.58
MW - 5	*08/05/11*	3391.53	-	46.97	0.00	3,344.56
MW - 5	*11/17/11*	3391.53	-	48.10	0.00	3,343.43
MW - 5	*02/28/12*	3391.53	-	47.92	0.00	3,343.61
MW - 5	*05/03/12*	3391.53	-	47.88	0.00	3,343.65
MW - 5	*08/24/12*	3391.53	-	48.21	0.00	3,343.32
MW - 5	*11/15/12*	3391.53	-	48.14	0.00	3,343.39
MW - 5	02/14/13	3391.53	-	47.98	0.00	3,343.55
MW - 5	05/28/13	3391.53	-	47.90	0.00	3,343.63
MW - 5	08/06/13	3391.53	-	48.22	0.00	3,343.31
MW - 5	*11/07/13*	3391.53	-	48.56	0.00	3,342.97
MW - 6	11/29/99	3391.14	-	46.45	0.00	3,344.69
MW - 6	03/09/00	3391.14	-	47.36	0.00	3,343.78
MW - 6	05/11/00	3391.14	-	47.21	0.00	3,343.93
MW - 6	09/12/00	3391.14	-	47.14	0.00	3,344.00
MW - 6	12/14/00	3391.14	-	46.71	0.00	3,344.43
MW - 6	03/21/01	3391.14	-	46.40	0.00	3,344.74
MW - 6	05/30/01	3391.14	-	47.05	0.00	3,344.09
MW - 6	06/21/01	3391.14	-	47.46	0.00	3,343.68
MW - 6	09/25/01	3391.14	-	47.59	0.00	3,343.55
MW - 6	11/17/01	3391.14	-	47.15	0.00	3,343.99
MW - 6	02/20/02	3391.14	-	46.88	0.00	3,344.26
MW - 6	05/20/02	3391.14	-	47.48	0.00	3,343.66
MW - 6	09/24/02	3391.14	-	48.38	0.00	3,342.76
MW - 6	10/29/02	3391.14	-	48.65	0.00	3,342.49
MW - 6	11/13/02	3391.14	-	48.78	0.00	3,342.36
MW - 6	02/06/03	3391.14	-	48.70	0.00	3,342.44
MW - 6	05/08/03	3391.14	-	48.42	0.00	3,342.72
MW - 6	08/19/03	3391.14	-	48.68	0.00	3,342.46
MW - 6	11/07/03	3391.14	-	48.92	0.00	3,342.22
MW - 6	12/04/04	3391.14	-	47.55	0.00	3,343.59
MW - 6	*03/07/05*	3391.14	-	47.05	0.00	3,344.09

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 6	*06/07/05*	3391.14	-	47.20	0.00	3,343.94
MW - 6	*09/07/05*	3391.14	-	47.28	0.00	3,343.86
MW - 6	*12/14/05*	3391.14	-	46.51	0.00	3,344.63
MW - 6	*06/05/06*	3391.14	-	45.99	0.00	3,345.15
MW - 6	*09/11/06*	3391.14	-	46.62	0.00	3,344.52
MW - 6	*11/21/06*	3391.14	-	46.68	0.00	3,344.46
MW - 6	*02/20/07*	3391.14	-	46.54	0.00	3,344.60
MW - 6	*05/15/07*	3391.14	-	46.77	0.00	3,344.37
MW - 6	*06/21/07*	3391.14	-	46.74	0.00	3,344.40
MW - 6	*08/09/07*	3391.14	-	46.46	0.00	3,344.68
MW - 6	*11/13/07*	3391.14	-	46.74	0.00	3,344.40
MW - 6	*02/14/08*	3391.14	-	46.91	0.00	3,344.23
MW - 6	*05/16/08*	3391.14	-	46.33	0.00	3,344.81
MW - 6	*08/19/08*	3391.14	-	46.89	0.00	3,344.25
MW - 6	*11/19/08*	3391.14	-	46.98	0.00	3,344.16
MW - 6	*02/18/09*	3391.14	-	45.17	0.00	3,345.97
MW - 6	*05/19/09*	3391.14	-	47.02	0.00	3,344.12
MW - 6	*08/13/09*	3391.14	-	47.20	0.00	3,343.94
MW - 6	*11/11/09*	3391.14	-	47.26	0.00	3,343.88
MW - 6	01/12/10	3391.14	-	47.27	0.00	3,343.87
MW - 6	*02/04/10*	3391.14	-	47.39	0.00	3,343.75
MW - 6	*05/07/10*	3391.14	-	47.33	0.00	3,343.81
MW - 6	*08/06/10*	3391.14	-	47.33	0.00	3,343.81
MW - 6	*11/05/10*	3391.14	-	47.33	0.00	3,343.81
MW - 6	*02/11/11*	3391.14	-	47.32	0.00	3,343.82
MW - 6	*05/09/11*	3391.14	-	47.32	0.00	3,343.82
MW - 6	*08/05/11*	3391.14	-	47.30	0.00	3,343.84
MW - 6	*11/17/11*	3391.14	-	48.68	0.00	3,342.46
MW - 6	*02/28/12*	3391.14	-	48.38	0.00	3,342.76
MW - 6	*05/03/12*	3391.14	-	48.41	0.00	3,342.73
MW - 6	*08/24/12*	3391.14	-	48.68	0.00	3,342.46
MW - 6	*11/15/12*	3391.14	-	48.61	0.00	3,342.53
MW - 6	*02/14/13*	3391.14	-	48.48	0.00	3,342.66
MW - 6	*05/28/13*	3391.14	-	48.42	0.00	3,342.72
MW - 6	*08/06/13*	3391.14	-	48.79	0.00	3,342.35
MW - 6	*11/07/13*	3391.14	-	49.12	0.00	3,342.02
MW - 7	11/29/99	3391.21	-	46.52	0.00	3,344.69
MW - 7	03/09/00	3391.21	-	47.41	0.00	3,343.80
MW - 7	05/11/00	3391.21	-	47.31	0.00	3,343.90
MW - 7	09/12/00	3391.21	-	47.23	0.00	3,343.98
MW - 7	12/14/00	3391.21	-	46.75	0.00	3,344.46
MW - 7	03/21/01	3391.21	-	46.49	0.00	3,344.72
MW - 7	05/30/01	3391.21	-	47.12	0.00	3,344.09
MW - 7	06/21/01	3391.21	-	47.52	0.00	3,343.69
MW - 7	09/25/01	3391.21	-	47.48	0.00	3,343.73
MW - 7	11/17/01	3391.21	-	47.08	0.00	3,344.13

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 7	02/20/02	3391.21	-	46.82	0.00	3,344.39
MW - 7	05/20/02	3391.21	-	47.44	0.00	3,343.77
MW - 7	09/24/02	3391.21	-	48.32	0.00	3,342.89
MW - 7	10/29/02	3391.21	-	48.59	0.00	3,342.62
MW - 7	11/13/02	3391.21	-	48.70	0.00	3,342.51
MW - 7	02/06/03	3391.21	-	48.70	0.00	3,342.51
MW - 7	05/08/03	3391.21	-	48.38	0.00	3,342.83
MW - 7	08/19/03	3391.21	-	48.63	0.00	3,342.58
MW - 7	11/07/03	3391.21	-	48.87	0.00	3,342.34
MW - 7	02/09/04	3391.21	-	47.46	0.00	3,343.75
MW - 7	05/04/04	3391.21	-	48.28	0.00	3,342.93
MW - 7	08/23/04	3391.21	-	49.19	0.00	3,342.02
MW - 7	12/04/04	3391.21	-	47.54	0.00	3,343.67
MW - 7	*03/07/05*	3391.21	-	47.00	0.00	3,344.21
MW - 7	*06/07/05*	3391.21	-	47.14	0.00	3,344.07
MW - 7	*09/07/05*	3391.21	-	47.22	0.00	3,343.99
MW - 7	*12/14/05*	3391.21	-	46.48	0.00	3,344.73
MW - 7	*06/05/06*	3391.21	-	45.98	0.00	3,345.23
MW - 7	*09/11/06*	3391.21	-	46.58	0.00	3,344.63
MW - 7	*11/21/06*	3391.21	-	46.61	0.00	3,344.60
MW - 7	*02/20/07*	3391.21	-	46.48	0.00	3,344.73
MW - 7	*05/15/07*	3391.21	-	46.69	0.00	3,344.52
MW - 7	*06/21/07*	3391.21	-	46.71	0.00	3,344.50
MW - 7	*08/09/07*	3391.21	-	46.39	0.00	3,344.82
MW - 7	*11/13/07*	3391.21	-	46.64	0.00	3,344.57
MW - 7	*02/14/08*	3391.21	-	46.86	0.00	3,344.35
MW - 7	*05/16/08*	3391.21	-	46.26	0.00	3,344.95
MW - 7	*08/19/08*	3391.21	-	46.81	0.00	3,344.40
MW - 7	*11/19/08*	3391.21	-	46.87	0.00	3,344.34
MW - 7	*02/18/09*	3391.21	-	46.12	0.00	3,345.09
MW - 7	*05/19/09*	3391.21	-	46.93	0.00	3,344.28
MW - 7	*08/13/09*	3391.21	-	47.11	0.00	3,344.10
MW - 7	*11/11/09*	3391.21	-	47.17	0.00	3,344.04
MW - 7	01/12/10	3391.21	-	47.19	0.00	3,344.02
MW - 7	*02/04/10*	3391.21	-	47.30	0.00	3,343.91
MW - 7	*05/07/10*	3391.21	-	47.28	0.00	3,343.93
MW - 7	*08/06/10*	3391.21	-	47.29	0.00	3,343.92
MW - 7	*11/05/10*	3391.21	-	47.28	0.00	3,343.93
MW - 7	*02/11/11*	3391.21	-	47.28	0.00	3,343.93
MW - 7	*05/09/11*	3391.21	-	47.26	0.00	3,343.95
MW - 7	*08/05/11*	3391.21	-	47.29	0.00	3,343.92
MW - 7	*11/17/11*	3391.21	-	48.58	0.00	3,342.63
MW - 7	*02/28/12*	3391.21	-	48.30	0.00	3,342.91
MW - 7	*05/03/12*	3391.21	-	48.32	0.00	3,342.89
MW - 7	*08/24/12*	3391.21	-	48.59	0.00	3,342.62
MW - 7	*11/15/12*	3391.21	-	48.52	0.00	3,342.69
MW - 7	02/14/13	3391.21	-	48.36	0.00	3,342.85

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 7	*05/28/13*	3391.21	-	48.32	0.00	3,342.89
MW - 7	08/06/13	3391.21	-	48.69	0.00	3,342.52
MW - 7	*11/07/13*	3391.21	-	49.04	0.00	3,342.17
MW - 8	11/29/99	3391.14	-	46.42	0.00	3,344.72
MW - 8	03/09/00	3391.14	-	47.37	0.00	3,343.77
MW - 8	05/11/00	3391.14	-	47.20	0.00	3,343.94
MW - 8	09/12/00	3391.14	-	47.11	0.00	3,344.03
MW - 8	12/14/00	3391.14	-	46.75	0.00	3,344.39
MW - 8	03/21/01	3391.14	-	46.38	0.00	3,344.76
MW - 8	05/30/01	3391.14	-	47.16	0.00	3,343.98
MW - 8	06/21/01	3391.14	-	47.42	0.00	3,343.72
MW - 8	09/25/01	3391.14	-	47.50	0.00	3,343.64
MW - 8	11/17/01	3391.14	-	47.05	0.00	3,344.09
MW - 8	02/20/02	3391.14	-	46.80	0.00	3,344.34
MW - 8	05/20/02	3391.14	-	47.38	0.00	3,343.76
MW - 8	09/24/02	3391.14	-	48.29	0.00	3,342.85
MW - 8	10/29/02	3391.14	-	48.58	0.00	3,342.56
MW - 8	11/13/02	3391.14	-	48.69	0.00	3,342.45
MW - 8	02/06/03	3391.14	-	48.68	0.00	3,342.46
MW - 8	05/08/03	3391.14	-	48.33	0.00	3,342.81
MW - 8	08/19/03	3391.14	-	48.58	0.00	3,342.56
MW - 8	11/07/03	3391.14	-	48.84	0.00	3,342.30
MW - 8	02/09/04	3391.14	-	47.46	0.00	3,343.68
MW - 8	05/04/04	3391.14	-	48.25	0.00	3,342.89
MW - 8	08/23/04	3391.14	-	49.15	0.00	3,341.99
MW - 8	12/04/04	3391.14	-	47.50	0.00	3,343.64
MW - 8	*03/07/05*	3391.14	-	46.97	0.00	3,344.17
MW - 8	*06/07/05*	3391.14	-	47.12	0.00	3,344.02
MW - 8	*09/07/05*	3391.14	-	47.19	0.00	3,343.95
MW - 8	*12/14/05*	3391.14	-	46.47	0.00	3,344.67
MW - 8	*06/05/06*	3391.14	-	47.89	0.00	3,343.25
MW - 8	*09/11/06*	3391.14	-	46.54	0.00	3,344.60
MW - 8	*11/21/06*	3391.14	-	46.63	0.00	3,344.51
MW - 8	*02/20/07*	3391.14	-	46.44	0.00	3,344.70
MW - 8	*05/15/07*	3391.14	-	46.69	0.00	3,344.45
MW - 8	*08/09/07*	3391.14	-	46.40	0.00	3,344.74
MW - 8	*11/13/07*	3391.14	-	46.67	0.00	3,344.47
MW - 8	*02/14/08*	3391.14	-	46.84	0.00	3,344.30
MW - 8	*05/16/08*	3391.14	-	46.23	0.00	3,344.91
MW - 8	*08/19/08*	3391.14	-	46.81	0.00	3,344.33
MW - 8	*11/19/08*	3391.14	-	46.91	0.00	3,344.23
MW - 8	*02/18/09*	3391.14	-	46.09	0.00	3,345.05
MW - 8	*05/19/09*	3391.14	-	46.93	0.00	3,344.21
MW - 8	*08/13/09*	3391.14	-	47.13	0.00	3,344.01
MW - 8	*11/11/09*	3391.14	-	47.20	0.00	3,343.94
MW - 8	01/12/10	3391.14	-	47.18	0.00	3,343.96

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 8	*02/04/10*	3391.14	-	47.31	0.00	3,343.83
MW - 8	*05/07/10*	3391.14	-	47.43	0.00	3,343.71
MW - 8	*08/06/10*	3391.14	-	47.42	0.00	3,343.72
MW - 8	*11/05/10*	3391.14	-	47.41	0.00	3,343.73
MW - 8	*02/11/11*	3391.14	-	47.40	0.00	3,343.74
MW - 8	*05/09/11*	3391.14	-	47.38	0.00	3,343.76
MW - 8	*08/05/11*	3391.14	-	47.39	0.00	3,343.75
MW - 8	*11/17/11*	3391.14	-	48.58	0.00	3,342.56
MW - 8	*02/28/12*	3391.14	-	48.32	0.00	3,342.82
MW - 8	*05/03/12*	3391.14	-	48.35	0.00	3,342.79
MW - 8	*08/24/12*	3391.14	-	48.61	0.00	3,342.53
MW - 8	*11/15/12*	3391.14	-	48.53	0.00	3,342.61
MW - 8	*02/14/13*	3391.14	-	48.39	0.00	3,342.75
MW - 8	*05/28/13*	3391.14	-	48.34	0.00	3,342.80
MW - 8	*08/06/13*	3391.14	-	48.11	0.00	3,343.03
MW - 8	*11/07/13*	3391.14	-	49.06	0.00	3,342.08
MW - 9	11/29/99	3391.47	-	46.65	0.00	3,344.82
MW - 9	03/09/00	3391.47	-	47.56	0.00	3,343.91
MW - 9	05/11/00	3391.47	-	47.44	0.00	3,344.03
MW - 9	09/12/00	3391.47	-	47.38	0.00	3,344.09
MW - 9	12/14/00	3391.47	-	46.86	0.00	3,344.61
MW - 9	03/21/01	3391.47	-	46.61	0.00	3,344.86
MW - 9	05/30/01	3391.47	-	47.33	0.00	3,344.14
MW - 9	06/21/01	3391.47	-	47.50	0.00	3,343.97
MW - 9	09/25/01	3391.47	-	47.55	0.00	3,343.92
MW - 9	11/17/01	3391.47	-	47.21	0.00	3,344.26
MW - 9	02/20/02	3391.47	-	47.03	0.00	3,344.44
MW - 9	05/20/02	3391.47	-	47.58	0.00	3,343.89
MW - 9	09/24/02	3391.47	48.27	48.88	0.61	3,343.11
MW - 9	10/29/02	3391.47	48.48	49.18	0.70	3,342.89
MW - 9	11/06/02	3391.47	48.62	49.06	0.44	3,342.78
MW - 9	11/13/02	3391.47	48.95	49.08	0.13	3,342.50
MW - 9	01/07/03	3391.47	sheen	48.69	0.00	3,342.78
MW - 9	01/13/03	3391.47	sheen	48.67	0.00	3,342.80
MW - 9	01/27/03	3391.47	48.80	48.83	0.03	3,342.67
MW - 9	02/06/03	3391.47	48.90	49.00	0.10	3,342.56
MW - 9	03/11/03	3391.47	sheen	48.57	0.00	3,342.90
MW - 9	03/19/03	3391.47	sheen	48.29	0.00	3,343.18
MW - 9	04/02/03	3391.47	sheen	48.27	0.00	3,343.20
MW - 9	04/16/03	3391.47	sheen	48.45	0.00	3,343.02
MW - 9	04/23/03	3391.47	sheen	48.31	0.00	3,343.16
MW - 9	04/29/03	3391.47	sheen	48.35	0.00	3,343.12
MW - 9	05/08/03	3391.47	sheen	48.44	0.00	3,343.03
MW - 9	05/15/03	3391.47	sheen	48.74	0.00	3,342.73
MW - 9	05/20/03	3391.47	sheen	48.91	0.00	3,342.56
MW - 9	05/27/03	3391.47	sheen	48.99	0.00	3,342.48

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 9	06/03/03	3391.47	48.84	48.85	0.01	3,342.63
MW - 9	06/10/03	3391.47	49.10	49.12	0.02	3,342.37
MW - 9	06/25/03	3391.47	49.14	49.19	0.05	3,342.32
MW - 9	07/02/03	3391.47	49.19	49.21	0.02	3,342.28
MW - 9	07/07/03	3391.47	49.18	49.19	0.01	3,342.29
MW - 9	07/22/03	3391.47	sheen	48.81	0.00	3,342.66
MW - 9	07/30/03	3391.47	sheen	48.57	0.00	3,342.90
MW - 9	08/06/03	3391.47	sheen	48.53	0.00	3,342.94
MW - 9	08/13/03	3391.47	sheen	48.97	0.00	3,342.50
MW - 9	08/19/03	3391.47	sheen	48.69	0.00	3,342.78
MW - 9	08/20/03	3391.47	sheen	49.09	0.00	3,342.38
MW - 9	08/25/03	3391.47	sheen	49.17	0.00	3,342.30
MW - 9	09/08/03	3391.47	sheen	49.58	0.00	3,341.89
MW - 9	09/15/03	3391.47	sheen	49.55	0.00	3,341.92
MW - 9	09/24/03	3391.47	sheen	49.90	0.00	3,341.57
MW - 9	09/30/03	3391.47	sheen	49.51	0.00	3,341.96
MW - 9	10/07/03	3391.47	sheen	49.70	0.00	3,341.77
MW - 9	10/22/03	3391.47	sheen	49.40	0.00	3,342.07
MW - 9	10/27/03	3391.47	sheen	49.31	0.00	3,342.16
MW - 9	11/07/03	3391.47	49.70	49.71	0.01	3,341.77
MW - 9	11/10/03	3391.47	sheen	49.52	0.00	3,341.95
MW - 9	11/17/03	3391.47	sheen	48.82	0.00	3,342.65
MW - 9	12/08/03	3391.47	sheen	48.13	0.00	3,343.34
MW - 9	12/17/03	3391.47	sheen	48.81	0.00	3,342.66
MW - 9	12/22/03	3391.47	49.62	49.63	0.01	3,341.85
MW - 9	01/02/04	3391.47	sheen	47.55	0.00	3,343.92
MW - 9	01/06/04	3391.47	sheen	49.61	0.00	3,341.86
MW - 9	01/19/04	3391.47	sheen	48.05	0.00	3,343.42
MW - 9	01/26/04	3391.47	sheen	48.10	0.00	3,343.37
MW - 9	02/02/04	3391.47	sheen	48.04	0.00	3,343.43
MW - 9	02/09/04	3391.47	sheen	47.63	0.00	3,343.84
MW - 9	02/19/04	3391.47	sheen	47.75	0.00	3,343.72
MW - 9	02/23/04	3391.47	sheen	47.65	0.00	3,343.82
MW - 9	03/01/04	3391.47	sheen	47.61	0.00	3,343.86
MW - 9	03/10/04	3391.47	sheen	47.64	0.00	3,343.83
MW - 9	03/15/04	3391.47	sheen	48.20	0.00	3,343.27
MW - 9	03/23/04	3391.47	sheen	48.61	0.00	3,342.86
MW - 9	03/30/04	3391.47	sheen	48.22	0.00	3,343.25
MW - 9	04/12/04	3391.47	sheen	48.76	0.00	3,342.71
MW - 9	04/20/04	3391.47	sheen	48.31	0.00	3,343.16
MW - 9	05/03/04	3391.47	sheen	48.75	0.00	3,342.72
MW - 9	05/04/04	3391.47	sheen	48.75	0.00	3,342.72
MW - 9	06/09/04	3391.47	sheen	48.71	0.00	3,342.76
MW - 9	06/16/04	3391.47	sheen	48.74	0.00	3,342.73
MW - 9	06/23/04	3391.47	sheen	48.78	0.00	3,342.69
MW - 9	06/30/04	3391.47	sheen	48.14	0.00	3,343.33
MW - 9	07/13/04	3391.47	sheen	48.97	0.00	3,342.50

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 9	07/22/04	3391.47	sheen	49.07	0.00	3,342.40
MW - 9	08/23/04	3391.47	-	49.26	0.00	3,342.21
MW - 9	12/04/04	3391.47	-	48.73	0.00	3,342.74
MW - 9	*03/07/05*	3391.47	-	47.25	0.00	3,344.22
MW - 9	*06/07/05*	3391.47	sheen	47.23	0.00	3,344.24
MW - 9	*09/07/05*	3391.47	sheen	47.23	0.00	3,344.24
MW - 9	*12/14/05*	3391.47	-	46.65	0.00	3,344.82
MW - 9	*03/06/06*	3391.47	sheen	46.43	0.00	3,345.04
MW - 9	*04/13/06*	3391.47	sheen	46.25	0.00	3,345.22
MW - 9	04/19/06	3391.47	sheen	46.40	0.00	3,345.07
MW - 9	05/25/06	3391.47	sheen	46.17	0.00	3,345.30
MW - 9	*06/05/06*	3391.47	-	46.12	0.00	3,345.35
MW - 9	*09/11/06*	3391.47	-	46.66	0.00	3,344.81
MW - 9	10/31/06	3391.47	sheen	46.88	0.00	3,344.59
MW - 9	11/16/06	3391.47	sheen	46.69	0.00	3,344.78
MW - 9	*11/21/06*	3391.47	sheen	46.68	0.00	3,344.79
MW - 9	01/26/07	3391.47	sheen	46.58	0.00	3,344.89
MW - 9	01/31/07	3391.47	sheen	46.47	0.00	3,345.00
MW - 9	02/15/07	3391.47	-	46.54	0.00	3,344.93
MW - 9	*02/20/07*	3391.47	-	46.49	0.00	3,344.98
MW - 9	*05/15/07*	3391.47	-	46.66	0.00	3,344.81
MW - 9	*08/09/07*	3391.47	-	46.40	0.00	3,345.07
MW - 9	*11/13/07*	3391.47	-	46.61	0.00	3,344.86
MW - 9	*02/14/08*	3391.47	-	46.73	0.00	3,344.74
MW - 9	*05/16/08*	3391.47	-	46.25	0.00	3,345.22
MW - 9	*08/19/08*	3391.47	-	46.76	0.00	3,344.71
MW - 9	*10/09/08*	3391.47	-	46.93	0.00	3,344.54
MW - 9	10/23/08	3391.47	-	46.89	0.00	3,344.58
MW - 9	10/28/08	3391.47	-	46.88	0.00	3,344.59
MW - 9	*11/19/08*	3391.47	-	46.83	0.00	3,344.64
MW - 9	11/24/08	3391.47	-	46.91	0.00	3,344.56
MW - 9	12/29/08	3391.47	-	-	-	-
MW - 9	*02/18/09*	3391.47	-	46.15	0.00	3,345.32
MW - 9	03/03/09	3391.47	-	46.28	0.00	3,345.19
MW - 9	03/10/09	3391.47	-	46.38	0.00	3,345.09
MW - 9	03/18/09	3391.47	-	46.44	0.00	3,345.03
MW - 9	03/27/09	3391.47	-	46.45	0.00	3,345.02
MW - 9	04/07/09	3391.47	-	46.62	0.00	3,344.85
MW - 9	04/14/09	3391.47	-	46.64	0.00	3,344.83
MW - 9	04/28/09	3391.47	-	46.77	0.00	3,344.70
MW - 9	*05/19/09*	3391.47	-	46.89	0.00	3,344.58
MW - 9	06/18/09	3391.47	-	47.09	0.00	3,344.38
MW - 9	06/30/09	3391.47	-	46.26	0.00	3,345.21
MW - 9	07/07/09	3391.47	-	47.09	0.00	3,344.38
MW - 9	07/14/09	3391.47	-	47.10	0.00	3,344.37
MW - 9	07/28/09	3391.47	-	47.12	0.00	3,344.35
MW - 9	08/07/09	3391.47	-	47.14	0.00	3,344.33

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 9	*08/13/09*	3391.47	-	47.05	0.00	3,344.42
MW - 9	09/10/09	3391.47	-	47.10	0.00	3,344.37
MW - 9	09/18/09	3391.47	-	47.17	0.00	3,344.30
MW - 9	09/29/09	3391.47	-	47.14	0.00	3,344.33
MW - 9	10/06/09	3391.47	-	47.13	0.00	3,344.34
MW - 9	10/20/09	3391.47	-	47.11	0.00	3,344.36
MW - 9	10/27/09	3391.47	-	47.10	0.00	3,344.37
MW - 9	*11/11/09*	3391.47	-	47.16	0.00	3,344.31
MW - 9	12/22/09	3391.47	-	47.09	0.00	3,344.38
MW - 9	01/12/10	3391.47	-	47.11	0.00	3,344.36
MW - 9	*02/04/10*	3391.47	-	47.24	0.00	3,344.23
MW - 9	03/03/10	3391.47	-	47.44	0.00	3,344.03
MW - 9	04/15/10	3391.47	-	47.48	0.00	3,343.99
MW - 9	05/07/10	3391.47	-	47.32	0.00	3,344.15
MW - 9	06/25/10	3391.47	-	47.45	0.00	3,344.02
MW - 9	*08/06/10*	3391.47	-	47.31	0.00	3,344.16
MW - 9	*11/05/10*	3391.47	-	47.30	0.00	3,344.17
MW - 9	*02/11/11*	3391.47	-	47.33	0.00	3,344.14
MW - 9	*05/09/11*	3391.47	-	47.30	0.00	3,344.17
MW - 9	*08/05/11*	3391.47	-	47.30	0.00	3,344.17
MW - 9	*11/17/11*	3391.47	-	48.53	0.00	3,342.94
MW - 9	*02/28/12*	3391.47	-	48.26	0.00	3,343.21
MW - 9	*05/03/12*	3391.47	-	48.23	0.00	3,343.24
MW - 9	*08/24/12*	3391.47	-	48.58	0.00	3,342.89
MW - 9	*11/15/12*	3391.47	-	48.39	0.00	3,343.08
MW - 9	*01/14/13*	3391.47	-	48.27	0.00	3,343.20
MW - 9	02/14/13	3391.47	-	48.23	0.00	3,343.24
MW - 9	03/29/13	3391.47	-	48.17	0.00	3,343.30
MW - 9	04/19/13	3391.47	-	48.19	0.00	3,343.28
MW - 9	04/30/13	3391.47	-	48.14	0.00	3,343.33
MW - 9	05/23/13	3391.47	-	48.24	0.00	3,343.23
MW - 9	*05/28/13*	3391.47	-	48.20	0.00	3,343.27
MW - 9	05/30/13	3391.47	-	48.21	0.00	3,343.26
MW - 9	06/06/13	3391.47	-	48.32	0.00	3,343.15
MW - 9	06/13/13	3391.47	-	48.35	0.00	3,343.12
MW - 9	06/19/13	3391.47	-	48.31	0.00	3,343.16
MW - 9	07/30/13	3391.47	-	48.58	0.00	3,342.89
MW - 9	08/06/13	3391.47	-	48.54	0.00	3,342.93
MW - 9	08/09/13	3391.47	-	48.63	0.00	3,342.84
MW - 9	08/30/13	3391.47	-	48.69	0.00	3,342.78
MW - 9	09/12/13	3391.47	-	48.73	0.00	3,342.74
MW - 9	10/03/13	3391.47	-	48.74	0.00	3,342.73
MW - 9	11/01/13	3391.47	-	48.85	0.00	3,342.62
MW - 9	*11/07/13*	3391.47	-	48.87	0.00	3,342.60
MW - 9	12/10/13	3391.47	-	48.80	0.00	3,342.67
MW - 10	11/29/99	3391.26	46.26	47.23	0.97	3,344.85

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 10	03/09/00	3391.26	47.17	48.59	1.42	3,343.88
MW - 10	05/11/00	3391.26	46.67	47.69	1.02	3,344.44
MW - 10	09/12/00	3391.26	46.86	47.51	0.65	3,344.30
MW - 10	12/14/00	3391.26	46.61	47.51	0.90	3,344.52
MW - 10	03/21/01	3391.26	47.17	48.59	1.42	3,343.88
MW - 10	05/30/01	3391.26	46.99	48.40	1.41	3,344.06
MW - 10	09/25/01	3391.26	47.18	49.57	2.39	3,343.72
MW - 10	11/17/01	3391.26	46.61	47.51	0.90	3,344.52
MW - 10	02/20/02	3391.26	46.76	47.88	1.12	3,344.33
MW - 10	05/20/02	3391.26	47.44	47.61	0.17	3,343.79
MW - 10	09/24/02	3391.26	47.81	50.60	2.79	3,343.03
MW - 10	10/29/02	3391.26	48.01	50.77	2.76	3,342.84
MW - 10	11/06/02	3391.26	48.61	50.06	1.45	3,342.43
MW - 10	01/07/03	3391.26	48.52	48.55	0.03	3,342.74
MW - 10	01/13/03	3391.26	48.46	48.50	0.04	3,342.79
MW - 10	01/27/03	3391.26	48.30	50.03	1.73	3,342.70
MW - 10	02/06/03	3391.26	48.42	49.98	1.56	3,342.61
MW - 10	02/19/03	3391.26	48.25	49.92	1.67	3,342.76
MW - 10	03/05/03	3391.26	48.49	50.79	2.30	3,342.43
MW - 10	03/11/03	3391.26	48.00	48.75	0.75	3,343.15
MW - 10	03/19/03	3391.26	48.05	48.72	0.67	3,343.11
MW - 10	03/25/03	3391.26	46.14	47.92	1.78	3,344.85
MW - 10	04/02/03	3391.26	sheen	48.28	0.00	3,342.98
MW - 10	04/16/03	3391.26	sheen	48.32	0.00	3,342.94
MW - 10	04/23/03	3391.26	48.14	48.22	0.08	3,343.11
MW - 10	04/29/03	3391.26	48.13	48.41	0.28	3,343.09
MW - 10	05/08/03	3391.26	48.12	49.31	1.19	3,342.96
MW - 10	05/15/03	3391.26	48.24	49.84	1.60	3,342.78
MW - 10	05/20/03	3391.26	48.41	50.26	1.85	3,342.57
MW - 10	05/27/03	3391.26	48.53	49.42	0.89	3,342.60
MW - 10	06/03/03	3391.26	48.38	50.59	2.21	3,342.55
MW - 10	06/10/03	3391.26	48.67	50.07	1.40	3,342.38
MW - 10	06/25/03	3391.26	48.69	50.94	2.25	3,342.23
MW - 10	07/02/03	3391.26	48.82	51.06	2.24	3,342.10
MW - 10	07/07/03	3391.26	48.90	50.02	1.12	3,342.19
MW - 10	07/22/03	3391.26	48.59	48.97	0.38	3,342.61
MW - 10	07/30/03	3391.26	48.15	49.41	1.26	3,342.92
MW - 10	08/06/03	3391.26	48.30	48.49	0.19	3,342.93
MW - 10	08/13/03	3391.26	48.49	49.27	0.78	3,342.65
MW - 10	08/19/03	3391.26	48.43	49.26	0.83	3,342.71
MW - 10	08/20/03	3391.26	48.78	49.69	0.91	3,342.34
MW - 10	08/25/03	3391.26	48.87	50.05	1.18	3,342.21
MW - 10	09/08/03	3391.26	49.12	49.82	0.70	3,342.04
MW - 10	09/15/03	3391.26	49.10	49.91	0.81	3,342.04
MW - 10	09/24/03	3391.26	49.34	49.78	0.44	3,341.85
MW - 10	09/30/03	3391.26	49.10	50.45	1.35	3,341.96
MW - 10	10/07/03	3391.26	49.17	50.82	1.65	3,341.84

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 10	10/22/03	3391.26	49.00	50.74	1.74	3,342.00
MW - 10	10/27/03	3391.26	40.98	50.66	9.68	3,348.83
MW - 10	11/07/03	3391.26	49.14	50.78	1.64	3,341.87
MW - 10	11/10/03	3391.26	49.08	50.58	1.50	3,341.96
MW - 10	11/17/03	3391.26	48.49	49.49	1.00	3,342.62
MW - 10	12/08/03	3391.26	47.23	47.71	0.48	3,343.96
MW - 10	12/17/03	3391.26	48.47	49.53	1.06	3,342.63
MW - 10	12/22/03	3391.26	49.11	50.86	1.75	3,341.89
MW - 10	01/02/04	3391.26	47.25	47.26	0.01	3,344.01
MW - 10	01/06/04	3391.26	49.14	50.74	1.60	3,341.88
MW - 10	01/19/04	3391.26	-	47.81	0.00	3,343.45
MW - 10	01/26/04	3391.26	47.89	47.90	0.01	3,343.37
MW - 10	02/02/04	3391.26	47.87	47.87	0.00	3,343.39
MW - 10	02/09/04	3391.26	47.51	47.63	0.12	3,343.73
MW - 10	02/19/04	3391.26	47.60	47.60	0.00	3,343.66
MW - 10	02/23/04	3391.26	47.52	47.65	0.13	3,343.72
MW - 10	03/01/04	3391.26	47.50	47.61	0.11	3,343.74
MW - 10	03/10/04	3391.26	47.53	47.62	0.09	3,343.72
MW - 10	03/15/04	3391.26	-	48.87	0.00	3,342.39
MW - 10	03/23/04	3391.26	-	48.63	0.00	3,342.63
MW - 10	03/30/04	3391.26	48.69	48.70	0.01	3,342.57
MW - 10	04/12/04	3391.26	-	48.65	0.00	3,342.61
MW - 10	04/20/04	3391.26	-	48.08	0.00	3,343.18
MW - 10	05/03/04	3391.26	48.50	48.51	0.01	3,342.76
MW - 10	05/04/04	3391.26	-	48.51	0.00	3,342.75
MW - 10	06/09/04	3391.26	48.58	48.62	0.04	3,342.67
MW - 10	06/16/04	3391.26	48.59	48.61	0.02	3,342.67
MW - 10	06/23/04	3391.26	48.62	48.63	0.01	3,342.64
MW - 10	06/30/04	3391.26	48.57	48.58	0.01	3,342.69
MW - 10	07/13/04	3391.26	48.81	48.89	0.08	3,342.44
MW - 10	07/22/04	3391.26	48.93	49.10	0.17	3,342.30
MW - 10	08/23/04	3391.26	49.11	49.13	0.02	3,342.15
MW - 10	09/22/04	3391.26	sheen	49.25	0.00	3,342.01
MW - 10	09/29/04	3391.26	sheen	49.12	0.00	3,342.14
MW - 10	10/04/04	3391.26	sheen	48.45	0.00	3,342.81
MW - 10	10/11/04	3391.26	sheen	48.30	0.00	3,342.96
MW - 10	10/19/04	3391.26	sheen	48.35	0.00	3,342.91
MW - 10	10/25/04	3391.26	sheen	48.37	0.00	3,342.89
MW - 10	11/01/04	3391.26	sheen	48.58	0.00	3,342.68
MW - 10	11/09/04	3391.26	sheen	48.55	0.00	3,342.71
MW - 10	11/17/04	3391.26	sheen	48.89	0.00	3,342.37
MW - 10	11/22/04	3391.26	sheen	48.90	0.00	3,342.36
MW - 10	11/29/04	3391.26	48.02	48.19	0.17	3,343.21
MW - 10	12/04/04	3391.26	47.58	47.60	0.02	3,343.68
MW - 10	12/13/04	3391.26	sheen	47.34	0.00	3,343.92
MW - 10	12/20/04	3391.26	sheen	47.25	0.00	3,344.01
MW - 10	12/30/04	3391.26	sheen	46.96	0.00	3,344.30

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 10	01/03/05	3391.26	sheen	46.97	0.00	3,344.29
MW - 10	01/10/05	3391.26	sheen	47.17	0.00	3,344.09
MW - 10	01/17/05	3391.26	sheen	47.19	0.00	3,344.07
MW - 10	01/24/05	3391.26	sheen	47.22	0.00	3,344.04
MW - 10	01/31/05	3391.26	sheen	47.32	0.00	3,343.94
MW - 10	02/07/05	3391.26	sheen	47.26	0.00	3,344.00
MW - 10	02/14/05	3391.26	sheen	47.30	0.00	3,343.96
MW - 10	02/21/05	3391.26	sheen	47.31	0.00	3,343.95
MW - 10	02/28/05	3391.26	sheen	47.33	0.00	3,343.93
MW - 10	*03/07/05*	3391.26	-	47.17	0.00	3,344.09
MW - 10	03/07/05	3391.26	sheen	47.17	0.00	3,344.09
MW - 10	03/16/05	3391.26	sheen	47.00	0.00	3,344.26
MW - 10	03/21/05	3391.26	sheen	46.94	0.00	3,344.32
MW - 10	03/28/05	3391.26	sheen	47.07	0.00	3,344.19
MW - 10	04/04/05	3391.26	sheen	46.10	0.00	3,345.16
MW - 10	04/13/05	3391.26	sheen	46.13	0.00	3,345.13
MW - 10	04/18/05	3391.26	sheen	47.02	0.00	3,344.24
MW - 10	05/23/05	3391.26	sheen	47.30	0.00	3,343.96
MW - 10	*06/07/05*	3391.26	sheen	47.11	0.00	3,344.15
MW - 10	06/21/05	3391.26	sheen	47.27	0.00	3,343.99
MW - 10	07/26/05	3391.26	sheen	47.04	0.00	3,344.22
MW - 10	08/25/05	3391.26	sheen	47.14	0.00	3,344.12
MW - 10	*09/07/05*	3391.26	-	47.18	0.00	3,344.08
MW - 10	09/26/05	3391.26	sheen	47.25	0.00	3,344.01
MW - 10	11/14/05	3391.26	sheen	46.95	0.00	3,344.31
MW - 10	*12/14/05*	3391.26	-	46.52	0.00	3,344.74
MW - 10	01/01/00	3391.26	sheen	46.22	0.00	3,345.04
MW - 10	01/18/06	3391.26	sheen	46.33	0.00	3,344.93
MW - 10	02/15/06	3391.26	sheen	46.15	0.00	3,345.11
MW - 10	*03/06/06*	3391.26	sheen	46.27	0.00	3,344.99
MW - 10	03/20/06	3391.26	sheen	46.35	0.00	3,344.91
MW - 10	*04/13/06*	3391.26	sheen	46.13	0.00	3,345.13
MW - 10	04/19/06	3391.26	sheen	46.24	0.00	3,345.02
MW - 10	05/25/06	3391.26	sheen	45.98	0.00	3,345.28
MW - 10	*06/05/06*	3391.26	sheen	45.95	0.00	3,345.31
MW - 10	*09/11/06*	3391.26	sheen	46.49	0.00	3,344.77
MW - 10	10/31/06	3391.26	sheen	46.75	0.00	3,344.51
MW - 10	11/16/06	3391.26	sheen	46.58	0.00	3,344.68
MW - 10	*11/21/06*	3391.26	sheen	46.55	0.00	3,344.71
MW - 10	01/26/07	3391.26	sheen	46.45	0.00	3,344.81
MW - 10	01/31/07	3391.26	sheen	46.34	0.00	3,344.92
MW - 10	02/15/07	3391.26	-	46.39	0.00	3,344.87
MW - 10	*02/20/07*	3391.26	-	46.40	0.00	3,344.86
MW - 10	*05/15/07*	3391.26	sheen	46.61	0.00	3,344.65
MW - 10	*08/09/07*	3391.26	sheen	46.28	0.00	3,344.98
MW - 10	10/01/07	3391.26	sheen	46.58	0.00	3,344.68
MW - 10	10/12/07	3391.26	sheen	46.55	0.00	3,344.71

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 10	*11/13/07*	3391.26	sheen	46.62	0.00	3,344.64
MW - 10	*02/14/08*	3391.26	-	46.79	0.00	3,344.47
MW - 10	04/18/08	3391.26	-	45.88	0.00	3,345.38
MW - 10	*05/16/08*	3391.26	-	46.12	0.00	3,345.14
MW - 10	07/15/08	3391.26	-	46.56	0.00	3,344.70
MW - 10	07/16/08	3391.26	-	46.62	0.00	3,344.64
MW - 10	08/12/08	3391.26	-	46.65	0.00	3,344.61
MW - 10	*08/19/08*	3391.26	-	46.71	0.00	3,344.55
MW - 10	*10/09/08*	3391.26	-	46.90	0.00	3,344.36
MW - 10	10/23/08	3391.26	-	46.88	0.00	3,344.38
MW - 10	10/28/08	3391.26	-	46.84	0.00	3,344.42
MW - 10	*11/19/08*	3391.26	-	46.25	0.00	3,345.01
MW - 10	11/24/08	3391.26	-	47.10	0.00	3,344.16
MW - 10	12/17/08	3391.26	-	46.92	0.00	3,344.34
MW - 10	12/29/08	3391.26	sheen	-	-	-
MW - 10	*02/18/09*	3391.26	-	46.17	0.00	3,345.09
MW - 10	03/03/09	3391.26	-	46.11	0.00	3,345.15
MW - 10	03/10/09	3391.26	-	46.29	0.00	3,344.97
MW - 10	03/18/09	3391.26	-	46.38	0.00	3,344.88
MW - 10	03/27/09	3391.26	-	46.44	0.00	3,344.82
MW - 10	04/07/09	3391.26	-	46.54	0.00	3,344.72
MW - 10	04/14/09	3391.26	-	45.59	0.00	3,345.67
MW - 10	04/28/09	3391.26	-	46.68	0.00	3,344.58
MW - 10	*05/19/09*	3391.26	-	46.78	0.00	3,344.48
MW - 10	05/27/09	3391.26	-	46.86	0.00	3,344.40
MW - 10	06/04/09	3391.26	-	46.87	0.00	3,344.39
MW - 10	06/12/09	3391.26	-	46.93	0.00	3,344.33
MW - 10	06/18/09	3391.26	-	46.96	0.00	3,344.30
MW - 10	06/30/09	3391.26	-	46.13	0.00	3,345.13
MW - 10	07/07/09	3391.26	-	47.02	0.00	3,344.24
MW - 10	07/14/09	3391.26	-	47.04	0.00	3,344.22
MW - 10	07/21/09	3391.26	-	47.05	0.00	3,344.21
MW - 10	07/28/09	3391.26	-	47.04	0.00	3,344.22
MW - 10	08/07/09	3391.26	-	47.05	0.00	3,344.21
MW - 10	*08/13/09*	3391.26	-	47.01	0.00	3,344.25
MW - 10	08/21/09	3391.26	-	47.04	0.00	3,344.22
MW - 10	08/27/09	3391.26	-	47.08	0.00	3,344.18
MW - 10	09/10/09	3391.26	-	47.06	0.00	3,344.20
MW - 10	09/18/09	3391.26	-	47.09	0.00	3,344.17
MW - 10	09/29/09	3391.26	-	47.05	0.00	3,344.21
MW - 10	10/06/09	3391.26	-	47.07	0.00	3,344.19
MW - 10	10/20/09	3391.26	-	47.10	0.00	3,344.16
MW - 10	10/27/09	3391.26	-	47.11	0.00	3,344.15
MW - 10	*11/11/09*	3391.26	-	47.11	0.00	3,344.15
MW - 10	11/13/09	3391.26	-	47.00	0.00	3,344.26
MW - 10	12/08/09	3391.26	-	46.95	0.00	3,344.31
MW - 10	12/22/09	3391.26	-	47.11	0.00	3,344.15

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 10	01/12/10	3391.26	-	47.13	0.00	3,344.13
MW - 10	01/22/10	3391.26	-	47.06	0.00	3,344.20
MW - 10	*02/04/10*	3391.26	-	47.13	0.00	3,344.13
MW - 10	03/03/10	3391.26	sheen	47.33	0.00	3,343.93
MW - 10	03/16/10	3391.26	sheen	47.42	0.00	3,343.84
MW - 10	04/15/10	3391.26	sheen	47.43	0.00	3,343.83
MW - 10	05/07/10	3391.26	sheen	47.41	0.00	3,343.85
MW - 10	05/28/10	3391.26	sheen	47.43	0.00	3,343.83
MW - 10	06/08/10	3391.26	sheen	47.38	0.00	3,343.88
MW - 10	06/25/10	3391.26	-	47.36	0.00	3,343.90
MW - 10	07/08/10	3391.26	sheen	47.35	0.00	3,343.91
MW - 10	07/28/10	3391.26	sheen	47.37	0.00	3,343.89
MW - 10	*08/06/10*	3391.26	-	47.41	0.00	3,343.85
MW - 10	08/31/10	3391.26	sheen	47.44	0.00	3,343.82
MW - 10	09/10/10	3391.26	sheen	47.49	0.00	3,343.77
MW - 10	09/24/10	3391.26	sheen	47.37	0.00	3,343.89
MW - 10	10/06/10	3391.26	sheen	47.35	0.00	3,343.91
MW - 10	10/26/10	3391.26	-	47.06	0.00	3,344.20
MW - 10	*11/05/10*	3391.26	-	47.45	0.00	3,343.81
MW - 10	12/17/10	3391.26	-	47.07	0.00	3,344.19
MW - 10	01/13/11	3391.26	-	47.43	0.00	3,343.83
MW - 10	*02/11/11*	3391.26	-	47.45	0.00	3,343.81
MW - 10	*05/09/11*	3391.26	-	47.47	0.00	3,343.79
MW - 10	05/20/11	3391.26	-	47.84	0.00	3,343.42
MW - 10	06/29/11	3391.26	-	47.93	0.00	3,343.33
MW - 10	07/05/11	3391.26	-	48.01	0.00	3,343.25
MW - 10	07/25/11	3391.26	-	48.11	0.00	3,343.15
MW - 10	*08/05/11*	3391.26	-	47.50	0.00	3,343.76
MW - 10	08/11/11	3391.26	-	48.24	0.00	3,343.02
MW - 10	08/24/11	3391.26	-	48.30	0.00	3,342.96
MW - 10	09/09/11	3391.26	-	48.34	0.00	3,342.92
MW - 10	09/23/11	3391.26	-	48.41	0.00	3,342.85
MW - 10	*11/17/11*	3391.26	-	48.44	0.00	3,342.82
MW - 10	01/30/12	3391.26	48.35	48.75	0.40	3,342.85
MW - 10	*02/28/12*	3391.26	48.05	48.70	0.65	3,343.11
MW - 10	03/15/12	3391.26	48.13	48.64	0.51	3,343.05
MW - 10	03/28/12	3391.26	48.15	48.48	0.33	3,343.06
MW - 10	04/05/12	3391.26	47.96	48.40	0.44	3,343.23
MW - 10	04/23/12	3391.26	47.94	48.60	0.66	3,343.22
MW - 10	*05/03/12*	3391.26	48.13	49.38	1.25	3,342.94
MW - 10	06/28/12	3391.26	48.21	49.84	1.63	3,342.81
MW - 10	*08/24/12*	3391.26	48.30	48.95	0.65	3,342.86
MW - 10	*10/12/12*	3391.26	48.22	50.05	1.83	3,342.77
MW - 10	*10/24/12*	3391.26	48.14	49.57	1.43	3,342.91
MW - 10	*11/15/12*	3391.26	48.14	49.76	1.62	3,342.88
MW - 10	*12/20/12*	3391.26	48.11	49.86	1.75	3,342.89
MW - 10	*01/14/13*	3391.26	47.97	49.60	1.63	3,343.05

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 10	02/14/13	3391.26	47.94	49.73	1.79	3,343.05
MW - 10	03/29/13	3391.26	47.89	49.61	1.72	3,343.11
MW - 10	04/19/13	3391.26	47.89	49.59	1.70	3,343.12
MW - 10	04/30/13	3391.26	47.86	49.39	1.53	3,343.17
MW - 10	05/23/13	3391.26	47.89	49.72	1.83	3,343.10
MW - 10	05/28/13	3391.26	47.98	49.38	1.40	3,343.07
MW - 10	05/30/13	3391.26	47.92	49.43	1.51	3,343.11
MW - 10	06/06/13	3391.26	48.01	49.72	1.71	3,342.99
MW - 10	06/13/13	3391.26	48.04	49.66	1.62	3,342.98
MW - 10	06/19/13	3391.26	48.03	49.54	1.51	3,343.00
MW - 10	07/30/13	3391.26	48.15	50.59	2.44	3,342.74
MW - 10	08/06/13	3391.26	48.17	50.49	2.32	3,342.74
MW - 10	08/09/13	3391.26	48.22	50.61	2.39	3,342.68
MW - 10	08/30/13	3391.26	48.27	50.63	2.36	3,342.64
MW - 10	09/12/13	3391.26	48.38	50.43	2.05	3,342.57
MW - 10	10/03/13	3391.26	48.38	50.43	2.05	3,342.57
MW - 10	11/01/13	3391.26	48.48	50.74	2.26	3,342.44
MW - 10	11/07/13	3391.26	48.60	50.18	1.58	3,342.42
MW - 10	12/10/13	3391.26	48.41	49.60	1.19	3,342.67
MW - 11	12/04/04	3390.73	-	47.14	0.00	3,343.59
MW - 11	12/10/04	3390.73	-	46.84	0.00	3,343.89
MW - 11	*03/07/05*	3390.73	-	46.95	0.00	3,343.78
MW - 11	*06/07/05*	3390.73	-	46.62	0.00	3,344.11
MW - 11	*09/07/05*	3390.73	46.65	46.66	0.01	3,344.08
MW - 11	09/26/05	3390.73	sheen	46.78	0.00	3,343.95
MW - 11	*12/14/05*	3390.73	-	46.00	0.00	3,344.73
MW - 11	*03/06/06*	3390.73	-	45.83	0.00	3,344.90
MW - 11	04/13/06	3390.73	-	45.72	0.00	3,345.01
MW - 11	*06/05/06*	3390.73	-	45.01	0.00	3,345.72
MW - 11	*09/11/06*	3390.73	-	46.07	0.00	3,344.66
MW - 11	*11/21/06*	3390.73	-	46.08	0.00	3,344.65
MW - 11	*02/20/07*	3390.73	-	45.93	0.00	3,344.80
MW - 11	*05/15/07*	3390.73	-	46.11	0.00	3,344.62
MW - 11	*08/09/07*	3390.73	-	45.82	0.00	3,344.91
MW - 11	*11/13/07*	3390.73	-	46.06	0.00	3,344.67
MW - 11	*02/14/08*	3390.73	-	46.23	0.00	3,344.50
MW - 11	*05/16/08*	3390.73	-	45.71	0.00	3,345.02
MW - 11	*08/19/08*	3390.73	-	46.24	0.00	3,344.49
MW - 11	*11/20/08*	3390.73	-	46.28	0.00	3,344.45
MW - 11	*02/18/09*	3390.73	-	45.46	0.00	3,345.27
MW - 11	*05/19/09*	3390.73	-	46.34	0.00	3,344.39
MW - 11	*08/13/09*	3390.73	-	46.54	0.00	3,344.19
MW - 11	*11/11/09*	3390.73	-	46.58	0.00	3,344.15
MW - 11	01/12/10	3390.73	-	46.56	0.00	3,344.17
MW - 11	*02/04/10*	3390.73	-	46.69	0.00	3,344.04

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 11	*05/07/10*	3390.73	-	46.66	0.00	3,344.07
MW - 11	*08/06/10*	3390.73	-	46.66	0.00	3,344.07
MW - 11	*11/05/10*	3390.73	-	46.67	0.00	3,344.06
MW - 11	*02/11/11*	3390.73	-	46.75	0.00	3,343.98
MW - 11	*05/09/11*	3390.73	-	46.75	0.00	3,343.98
MW - 11	*08/05/11*	3390.73	-	46.73	0.00	3,344.00
MW - 11	*11/17/11*	3390.73	-	47.98	0.00	3,342.75
MW - 11	*02/28/12*	3390.73	-	47.69	0.00	3,343.04
MW - 11	*05/03/12*	3390.73	-	47.70	0.00	3,343.03
MW - 11	*08/24/12*	3390.73	-	48.01	0.00	3,342.72
MW - 11	*11/15/12*	3390.73	-	47.91	0.00	3,342.82
MW - 11	02/14/13	3390.73	-	47.75	0.00	3,342.98
MW - 11	*05/28/13*	3390.73	-	47.73	0.00	3,343.00
MW - 11	08/06/13	3390.73	-	48.09	0.00	3,342.64
MW - 11	*11/07/13*	3390.73	-	48.41	0.00	3,342.32

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05 A
LEA COUNTY, NEW MEXICO
NMOCD Reference #AP-12

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD Regulatory Limit		**0.010**	**0.750**	**0.750**	**0.620**	
MW - 1	02/09/04	**4.090**	0.020	**1.470**	0.547	
MW - 1	05/04/04	**5.470**	0.058	**1.540**	0.353	
MW - 1	12/04/04	**16.20**	0.590	**1.500**	**1.560**	
MW - 1	03/07/05	**16.90**	<0.1	**1.500**	**0.644**	
MW - 1	06/07/05	**15.60**	<0.2	**1.910**	**0.807**	
MW - 1	09/07/05	**9.550**	<0.2	**1.600**	0.553	
MW - 1	12/14/05	Not Sampled				
MW - 1	01/12/06	**1.000**	0.242	**0.774**	0.534	
MW - 1	03/06/06	**9.960**	<0.1	**2.240**	**1.640**	
MW - 1	06/05/06	**7.080**	<0.2	**1.660**	**1.220**	
MW - 1	09/11/06	**7.860**	0.076	**2.420**	**1.440**	
MW - 1	11/21/06	**6.170**	<0.1	**1.320**	**1.200**	
MW - 1	02/20/07	**3.000**	0.125	**0.993**	0.493	
MW - 1	05/15/07	**4.010**	<0.100	**1.580**	**0.681**	
MW - 1	08/09/07	**3.770**	<0.100	**1.280**	0.471	
MW - 1	11/13/07	**5.550**	0.149	**2.200**	0.560	
MW - 1	02/14/08	**3.480**	0.151	**1.310**	**0.699**	
MW - 1	06/05/08	**3.620**	0.122	**0.984**	0.179	
MW - 1	08/19/08	**4.290**	0.199	**1.250**	0.391	
MW - 1	11/19/08	**3.820**	0.135	**0.128**	0.471	
MW - 1	02/18/09	**2.420**	<0.001	0.511	<0.1	
MW - 1	05/19/09	**0.640**	<0.001	**1.460**	**2.000**	
MW - 1	08/13/09	**2.940**	<0.100	**0.888**	<0.100	
MW - 1	11/11/09	**2.880**	<0.100	**1.210**	**0.762**	
MW - 1	02/04/10	**2.300**	<0.100	0.156	<0.100	
MW - 1	05/07/10	**2.940**	<0.100	0.657	<0.100	
MW - 1	08/06/10	**2.760**	<0.050	0.390	0.118	
MW - 1	11/05/10	**2.250**	<0.0500	0.435	<0.0500	
MW - 1	02/11/11	**2.380**	<0.0500	0.529	<0.0500	
MW - 1	05/09/11	**2.940**	<0.0500	0.669	<0.0500	
MW - 1	08/05/11	**3.530**	<0.0500	**1.010**	**1.130**	
MW - 1	11/17/11	**2.980**	<0.020	**1.300**	0.092	
MW - 1	02/28/12	**3.200**	<0.100	**1.410**	<0.100	
MW - 1	05/03/12	**2.340**	<0.02	**0.996**	0.303	
MW - 1	08/24/12	**1.640**	<0.05	0.149	<0.150	
MW - 1	11/15/12	**1.58**	0.0128	0.526	0.0665	
MW - 1	02/14/13	**1.84**	<0.0200	0.0993	0.0993	
MW - 1	05/28/13	**0.86**	<0.0100	0.2160	<0.01	
MW - 1	08/06/13	**1.26**	0.0118	0.2660	0.0686	
MW - 1	11/07/13	**1.40**	<0.0500	0.1900	<0.150	
MW - 2	05/04/04	**7.280**	0.525	**0.884**	0.553	

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05 A
LEA COUNTY, NEW MEXICO
NMOCD Reference #AP-12

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD Regulatory Limit		**0.010**	**0.750**	**0.750**	**0.620**	
MW - 2	03/07/05	**6.020**	**1.510**	**1.170**	**1.270**	
MW - 2	06/07/05	**3.960**	0.371	**1.340**	**1.130**	
MW - 2	09/07/05	**4.670**	0.283	**1.210**	**1.040**	
MW - 2	12/14/05	**0.969**	0.327	0.699	0.423	
MW - 2	03/06/06	**6.280**	**2.260**	**2.120**	**3.060**	
MW - 2	06/05/06	**4.350**	**1.660**	**1.690**	**1.920**	
MW - 2	09/11/06	**4.190**	0.250	**1.260**	**1.250**	
MW - 2	11/21/06	**6.340**	<0.1	**1.380**	**1.140**	
MW - 2	02/20/07	**5.740**	**2.100**	**1.640**	**2.060**	
MW - 2	05/15/07	**4.640**	0.361	**1.750**	**1.520**	
MW - 2	08/09/07	**4.990**	0.271	**1.280**	**0.980**	
MW - 2	11/13/07	**8.740**	0.735	0.626	**2.830**	
MW - 2	02/14/08	**4.090**	0.575	**3.900**	**3.640**	
MW - 2	05/16/08	**5.690**	0.665	**2.190**	**1.960**	
MW - 2	08/19/08	**3.470**	0.117	**1.370**	**0.946**	
MW - 2	11/19/08	**1.630**	<0.100	**0.788**	0.504	
MW - 2	02/18/09	**0.958**	<0.100	0.238	0.100	
MW - 2	05/19/09	**2.340**	<0.100	**1.080**	**1.500**	
MW - 2	08/13/09	**1.370**	<0.100	**0.841**	**1.040**	
MW - 2	11/11/09	**0.693**	<0.100	0.303	0.174	
MW - 2	02/04/10	**0.385**	<0.100	0.217	<0.100	
MW - 2	05/07/10	**1.210**	<0.200	0.494	<0.200	
MW - 2	08/06/10	**0.554**	<0.050	0.447	0.281	
MW - 2	11/05/10	**0.743**	<0.0500	0.409	0.480	
MW - 2	02/11/11	**0.577**	<0.0500	<0.0500	<0.0500	
MW - 2	05/09/11	**0.687**	<0.0500	<0.0500	<0.0500	
MW - 2	08/05/11	**0.494**	<0.0500	<0.0500	<0.0500	
MW - 2	11/17/11	**0.289**	<0.005	0.092	0.0498	
MW - 2	02/28/12	**1.230**	<0.200	<0.200	<0.200	
MW - 2	05/03/12	**0.447**	<0.005	0.119	<0.0100	
MW - 2	08/24/12	Not Sampled Due to PSH in Well				
MW - 2	11/15/12	Not Sampled Due to PSH in Well				
MW - 2	02/14/13	Not Sampled Due to PSH in Well				
MW - 2	05/28/13	Not Sampled Due to PSH in Well				
MW - 2	08/06/13	Not Sampled Due to PSH in Well				
MW - 2	11/07/13	Not Sampled Due to PSH in Well				
		.				
MW - 3	03/09/00	**0.0150**	0.0120	0.0020	0.0020	
MW - 3	05/11/00	**0.0560**	0.0480	0.0060	0.0040	
MW - 3	09/12/00	**0.0560**	0.0480	0.0060	0.0050	
MW - 3	12/14/00	**0.0130**	0.0140	0.0020	0.0020	
MW - 3	03/21/01	**0.0730**	0.0740	0.0110	0.0090	

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05 A
LEA COUNTY, NEW MEXICO
NMOCD Reference #AP-12

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD Regulatory Limit		0.010	0.750	0.750	0.620	
MW - 3	05/30/01	**0.0690**	<0.005	<0.005	<0.005	
MW - 3	09/25/01	0.0080	0.0070	0.0010	0.0010	
MW - 3	11/17/01	0.0020	0.0030	<0.001	0.0010	
MW - 3	02/20/02	**0.0220**	0.0250	0.0040	0.0030	
MW - 3	05/20/02	**0.0400**	0.0413	0.0078	0.0060	
MW - 3	09/24/02	**0.0400**	0.0300	0.0070	0.0050	
MW - 3	11/13/02	**0.0450**	0.0420	0.0060	0.0050	
MW - 3	02/06/03	0.0040	0.0070	0.0020	0.0010	
MW - 3	05/08/03	0.0050	0.0080	0.0020	0.0010	
MW - 3	08/19/03	0.0050	0.0040	<0.001	<0.001	
MW - 3	11/07/03	<0.001	<0.001	<0.001	<0.002	
MW - 3	02/09/04	0.0070	0.0090	0.0020	<0.002	
MW - 3	05/04/04	0.0020	0.0010	<0.001	<0.002	
MW - 3	08/23/04	<0.001	0.0010	<0.001	<0.002	
MW - 3	12/04/04	<0.001	0.0010	<0.001	<0.001	
MW - 3	03/07/05	<0.001	<0.001	<0.001	<0.001	
MW - 3	06/07/05	0.0064	<0.001	<0.001	<0.001	
MW - 3	09/07/05	0.0057	<0.001	<0.001	0.0010	
MW - 3	12/14/05	<0.005	<0.005	<0.005	<0.005	
MW - 3	03/06/06	<0.001	<0.001	<0.001	<0.001	
MW - 3	06/05/06	0.0012	<0.001	<0.001	<0.001	
MW - 3	09/11/06	<0.001	<0.001	<0.001	<0.001	
MW - 3	11/21/06	<0.001	<0.001	<0.001	<0.001	
MW - 3	02/20/07	<0.001	<0.001	<0.001	<0.001	
MW - 3	05/15/07	<0.001	<0.001	<0.001	<0.001	
MW - 3	08/09/07	<0.001	<0.001	<0.001	<0.001	
MW - 3	11/13/07	<0.001	<0.001	<0.001	<0.001	
MW - 3	02/14/08	<0.001	<0.001	<0.001	<0.001	
MW - 3	05/16/08	<0.001	<0.001	<0.001	<0.001	
MW - 3	08/19/08	<0.001	<0.001	<0.001	0.0024	
MW - 3	11/19/08	<0.001	<0.001	<0.001	0.0024	
MW - 3	02/18/09	<0.001	<0.001	<0.001	<0.001	
MW - 3	05/19/09	<0.001	<0.001	<0.001	<0.001	
MW - 3	08/13/09	<0.001	<0.001	<0.001	<0.001	
MW - 3	11/11/09	<0.001	<0.001	<0.001	<0.001	
MW - 3	02/04/10	<0.001	<0.001	<0.001	<0.001	
MW - 3	05/07/10	<0.001	<0.001	<0.001	<0.001	
MW - 3	08/06/10	<0.001	<0.001	<0.001	<0.001	
MW - 3	11/05/10	<0.001	<0.001	<0.001	<0.001	
MW - 3	02/11/11	<0.001	<0.001	<0.001	<0.001	
MW - 3	05/09/11	<0.001	<0.001	<0.001	<0.001	
MW - 3	08/05/11	<0.001	<0.001	<0.001	<0.001	

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05 A
LEA COUNTY, NEW MEXICO
NMOCD Reference #AP-12

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD Regulatory Limit		0.010	0.750	0.750	0.620	
MW - 3	11/17/11	<0.001	<0.001	<0.001	<0.001	
MW - 3	02/28/12	<0.001	<0.001	<0.001	<0.001	
MW - 3	05/03/12	<0.001	<0.001	<0.001	<0.001	
MW - 3	08/24/12	<0.001	<0.001	<0.001	<0.003	
MW - 3	11/15/12	<0.001	<0.001	<0.001	<0.001	
MW - 3	02/14/13	Not Sampled on Current Sample Schedule				
MW - 3	05/28/13	Not Sampled on Current Sample Schedule				
MW - 3	08/06/13	Not Sampled on Current Sample Schedule				
MW - 3	11/07/13	<0.001	<0.001	<0.001	<0.00300	
MW - 4	03/09/00	**0.1520**	0.0660	0.0190	0.0120	
MW - 4	05/11/00	**0.2850**	0.1100	0.0320	0.0140	
MW - 4	09/12/00	**0.2690**	0.0680	0.0260	0.0060	
MW - 4	12/14/00	**0.2460**	0.0210	0.0090	0.0080	
MW - 4	03/21/01	**0.1890**	0.0860	0.0200	0.0110	
MW - 4	05/30/01	**0.1070**	<0.005	0.0188	<0.005	
MW - 4	09/25/01	**0.4630**	0.0280	0.0090	0.0100	
MW - 4	11/17/01	**0.3350**	0.0200	0.0070	0.0070	
MW - 4	02/20/02	**1.0900**	0.0460	0.0110	0.0080	
MW - 4	05/20/02	**0.9190**	0.0414	0.0080	0.0160	
MW - 4	09/24/02	**0.1170**	0.0200	0.0030	0.0030	
MW - 4	11/13/02	**0.0820**	0.0730	0.0100	0.0110	
MW - 4	02/06/03	0.0020	0.0040	<0.001	0.0010	
MW - 4	05/08/03	**0.0160**	0.0020	<0.001	<0.001	
MW - 4	08/19/03	**0.0310**	0.0020	<0.001	<0.001	
MW - 4	11/07/03	0.0040	<0.001	<0.001	0.0030	
MW - 4	02/09/04	**0.3700**	0.0030	0.0050	0.0040	
MW - 4	05/04/04	**0.0130**	<0.001	<0.001	<0.002	
MW - 4	08/23/04	<0.001	<0.001	<0.001	<0.002	
MW - 4	12/04/04	0.0058	<0.001	<0.001	<0.001	
MW - 4	03/07/05	<0.001	<0.001	<0.001	<0.001	
MW - 4	06/07/05	**0.0821**	0.0023	<0.001	0.0019	
MW - 4	09/07/05	**0.0704**	0.0045	0.0014	0.0024	
MW - 4	12/14/05	Not Sampled - Well Damged				
MW - 4	03/06/06	Plugged and Abandoned				
MW - 5	03/09/00	0.0010	0.0010	<0.001	0.0010	
MW - 5	05/11/00	<0.001	<0.001	<0.001	<0.001	
MW - 5	09/12/00	<0.001	<0.001	<0.001	<0.001	
MW - 5	12/14/00	<0.001	<0.001	<0.001	<0.001	
MW - 5	03/21/01	<0.001	<0.001	<0.001	<0.001	
MW - 5	05/30/01	<0.005	<0.005	<0.005	<0.005	

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05 A
LEA COUNTY, NEW MEXICO
NMOCD Reference #AP-12

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD Regulatory Limit		0.010	0.750	0.750	0.620	
MW - 5	09/25/01	<0.001	<0.001	<0.001	<0.001	
MW - 5	11/17/01	<0.001	<0.001	<0.001	<0.001	
MW - 5	02/20/02	<0.001	<0.001	<0.001	<0.001	
MW - 5	05/20/02	<0.001	<0.001	<0.001	<0.001	
MW - 5	09/24/02	0.0030	<0.001	<0.001	<0.001	
MW - 5	11/13/02	0.0020	0.0010	<0.001	<0.001	
MW - 5	02/06/03	<0.001	<0.001	<0.001	<0.001	
MW - 5	05/08/03	<0.001	<0.001	<0.001	<0.001	
MW - 5	08/19/03	<0.001	<0.001	<0.001	<0.001	
MW - 5	11/07/03	<0.001	<0.001	<0.001	<0.002	
MW - 5	02/09/04	<0.001	<0.001	<0.001	<0.002	
MW - 5	12/04/04	<0.001	<0.001	<0.001	<0.001	
MW - 5	03/07/05	Not Sampled on Current Sample Schedule				
MW - 5	06/07/05	Not Sampled on Current Sample Schedul				
MW - 5	09/07/05	Not Sampled on Current Sample Schedule				
MW - 5	12/14/05	<0.005	<0.005	<0.005	<0.005	
MW - 5	03/06/06	Not Sampled on Current Sample Schedule				
MW - 5	06/05/06	Not Sampled on Current Sample Schedule				
MW - 5	09/11/06	Not Sampled on Current Sample Schedule				
MW - 5	11/21/06	0.0011	<0.001	0.0014	<0.001	
MW - 5	02/20/07	<0.001	<0.001	<0.001	<0.001	
MW - 5	05/15/07	Not Sampled on Current Sample Schedule				
MW - 5	08/09/07	Not Sampled on Current Sample Schedule				
MW - 5	11/13/07	<0.001	<0.001	<0.001	<0.001	
MW - 5	02/14/08	Not Sampled on Current Sample Schedule				
MW - 5	05/16/08	<0.001	<0.001	<0.001	<0.001	
MW - 5	08/19/08	Not Sampled on Current Sample Schedule				
MW - 5	11/19/08	<0.001	<0.001	<0.001	<0.001	
MW - 5	02/18/09	Not Sampled on Current Sample Schedule				
MW - 5	05/19/09	<0.001	<0.001	<0.001	<0.001	
MW - 5	08/13/09	Not Sampled on Current Sample Schedule				
MW - 5	11/11/09	<0.001	<0.001	<0.001	<0.001	
MW - 5	02/04/10	Not Sampled on Current Sample Schedule				
MW - 5	05/07/10	<0.001	<0.001	<0.001	<0.001	
MW - 5	08/06/10	Not Sampled on Current Sample Schedule				
MW - 5	11/05/10	<0.001	<0.001	<0.001	<0.001	
MW - 5	02/11/11	Not Sampled on Current Sample Schedule				
MW - 5	05/09/11	<0.001	<0.001	<0.001	<0.001	
MW - 5	08/05/11	Not Sampled on Current Sample Schedule				
MW - 5	11/17/11	<0.001	<0.001	<0.001	<0.001	
MW - 5	02/28/12	Not Sampled on Current Sample Schedule				
MW - 5	05/03/12	<0.001	<0.001	<0.001	<0.001	

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05 A
LEA COUNTY, NEW MEXICO
NMOCD Reference #AP-12

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD Regulatory Limit		0.010	0.750	0.750	0.620	
MW - 5	08/24/12	Not Sampled on Current Sample Schedule				
MW - 5	11/15/12	<0.001	<0.001	<0.001	<0.001	
MW - 5	02/14/13	Not Sampled on Current Sample Schedule				
MW - 5	05/28/13	Not Sampled on Current Sample Schedule				
MW - 5	08/06/13	Not Sampled on Current Sample Schedule				
MW - 5	11/07/13	<0.001	<0.001	<0.001	<0.00300	
MW - 6	03/09/00	<0.001	<0.001	<0.001	<0.001	
MW - 6	05/11/00	<0.001	<0.001	<0.001	<0.001	
MW - 6	09/12/00	<0.001	<0.001	<0.001	<0.001	
MW - 6	12/14/00	<0.001	<0.001	<0.001	<0.001	
MW - 6	03/21/01	<0.001	<0.001	<0.001	<0.001	
MW - 6	05/30/01	<0.005	<0.005	<0.005	<0.005	
MW - 6	09/25/01	<0.001	<0.001	<0.001	<0.001	
MW - 6	11/17/01	<0.001	<0.001	<0.001	<0.001	
MW - 6	02/20/02	0.0010	<0.001	<0.001	<0.001	
MW - 6	05/20/02	<0.001	<0.001	<0.001	<0.001	
MW - 6	09/24/02	<0.001	<0.001	<0.001	<0.001	
MW - 6	11/13/02	<0.001	<0.001	<0.001	<0.001	
MW - 6	02/06/03	<0.001	<0.001	<0.001	<0.001	
MW - 6	05/08/03	<0.001	<0.001	<0.001	<0.001	
MW - 6	08/19/03	<0.001	<0.001	<0.001	<0.001	
MW - 6	11/07/03	<0.001	<0.001	<0.001	<0.002	
MW - 6	02/09/04	<0.001	<0.001	<0.001	<0.002	
MW - 6	12/04/04	<0.001	<0.001	<0.001	<0.001	
MW - 6	03/07/05	Not Sampled on Current Sample Schedule				
MW - 6	06/07/05	<0.001	<0.001	<0.001	<0.001	
MW - 6	09/07/05	Not Sampled on Current Sample Schedule				
MW - 6	12/14/05	<0.005	<0.005	<0.005	<0.005	
MW - 6	03/06/06	Not Sampled on Current Sample Schedule				
MW - 6	06/05/06	<0.001	<0.001	<0.001	<0.001	
MW - 6	09/11/06	<0.001	<0.001	<0.001	<0.001	
MW - 6	11/21/06	<0.001	<0.001	<0.001	<0.001	
MW - 6	02/20/07	<0.001	<0.001	<0.001	<0.001	
MW - 6	06/21/07	<0.001	<0.001	<0.001	<0.001	
MW - 6	08/09/07	Not Sampled on Current Sample Schedule				
MW - 6	11/13/07	<0.001	<0.001	<0.001	<0.001	
MW - 6	02/14/08	Not Sampled on Current Sample Schedule				
MW - 6	05/16/08	<0.001	<0.001	<0.001	<0.001	
MW - 6	08/19/08	Not Sampled on Current Sample Schedule				
MW - 6	11/19/08	<0.001	<0.001	<0.001	<0.001	
MW - 6	02/18/09	Not Sampled on Current Sample Schedule				

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05 A
LEA COUNTY, NEW MEXICO
NMOCD Reference #AP-12

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD Regulatory Limit		0.010	0.750	0.750	0.620	
MW - 6	05/19/09	<0.001	<0.001	<0.001	<0.001	
MW - 6	08/13/09	Not Sampled on Current Sample Schedule				
MW - 6	11/11/09	<0.001	<0.001	<0.001	<0.001	
MW - 6	02/04/10	Not Sampled on Current Sample Schedule				
MW - 6	05/07/10	<0.001	<0.001	<0.001	<0.001	
MW - 6	08/06/10	Not Sampled on Current Sample Schedule				
MW - 6	11/05/10	<0.001	<0.001	<0.001	<0.001	
MW - 6	02/11/11	Not Sampled on Current Sample Schedule				
MW - 6	05/09/11	<0.001	<0.001	<0.001	<0.001	
MW - 6	08/05/11	Not Sampled on Current Sample Schedule				
MW - 6	11/17/11	<0.001	<0.001	<0.001	<0.001	
MW - 6	02/28/12	Not Sampled on Current Sample Schedule				
MW - 6	05/03/12	<0.001	<0.001	<0.001	<0.001	
MW - 6	08/24/12	Not Sampled on Current Sample Schedule				
MW - 6	11/15/12	<0.001	<0.001	<0.001	<0.001	
MW - 6	02/14/13	<0.001	<0.001	<0.001	<0.001	
MW - 6	05/28/13	<0.001	<0.001	<0.001	<0.001	
MW - 6	08/06/13	<0.001	<0.001	<0.001	<0.001	
MW - 6	11/07/13	<0.001	<0.001	<0.001	<0.00300	
MW - 7	03/09/00	<0.001	<0.001	<0.001	<0.001	
MW - 7	05/11/00	<0.001	<0.001	<0.001	<0.001	
MW - 7	09/12/00	<0.001	<0.001	<0.001	<0.001	
MW - 7	12/14/00	<0.001	<0.001	<0.001	<0.001	
MW - 7	03/21/01	<0.001	<0.001	<0.001	<0.001	
MW - 7	05/30/01	<0.005	<0.005	<0.005	<0.005	
MW - 7	09/25/01	<0.001	<0.001	<0.001	<0.001	
MW - 7	11/17/01	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/20/02	<0.001	<0.001	<0.001	<0.001	
MW - 7	05/20/02	<0.001	<0.001	<0.001	<0.001	
MW - 7	09/24/02	<0.001	<0.001	<0.001	<0.001	
MW - 7	11/13/02	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/06/03	<0.001	<0.001	<0.001	<0.001	
MW - 7	05/08/03	<0.001	<0.001	<0.001	<0.001	
MW - 7	08/19/03	<0.001	<0.001	<0.001	<0.001	
MW - 7	11/07/03	<0.001	<0.001	<0.001	<0.002	
MW - 7	02/09/04	<0.001	<0.001	<0.001	<0.002	
MW - 7	12/04/04	<0.001	<0.001	<0.001	<0.001	
MW - 7	03/07/05	Not Sampled on Current Sample Schedule				
MW - 7	06/07/05	<0.001	<0.001	<0.001	<0.001	
MW - 7	09/07/05	Not Sampled on Current Sample Schedule				

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05 A
LEA COUNTY, NEW MEXICO
NMOCD Reference #AP-12

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD Regulatory Limit		0.010	0.750	0.750	0.620	
MW - 7	12/14/05	<0.005	<0.005	<0.005	<0.005	
MW - 7	03/06/06	Not Sampled on Current Sample Schedule				
MW - 7	06/05/06	<0.001	<0.001	<0.001	<0.001	
MW - 7	09/11/06	<0.001	<0.001	<0.001	<0.001	
MW - 7	11/21/06	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/20/07	<0.001	<0.001	<0.001	<0.001	
MW - 7	06/21/07	<0.001	<0.001	<0.001	<0.001	
MW - 7	08/09/07	Not Sampled on Current Sample Schedule				
MW - 7	11/13/07	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/14/08	Not Sampled on Current Sample Schedule				
MW - 7	05/16/08	<0.001	<0.001	<0.001	<0.001	
MW - 7	08/19/08	Not Sampled on Current Sample Schedule				
MW - 7	11/19/08	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/18/09	Not Sampled on Current Sample Schedule				
MW - 7	05/19/09	<0.001	<0.001	<0.001	<0.001	
MW - 7	08/13/09	Not Sampled on Current Sample Schedule				
MW - 7	11/11/09	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/04/10	Not Sampled on Current Sample Schedule				
MW - 7	05/07/10	<0.001	<0.001	<0.001	<0.001	
MW - 7	08/06/10	Not Sampled on Current Sample Schedule				
MW - 7	11/05/10	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/11/11	Not Sampled on Current Sample Schedule				
MW - 7	05/09/11	<0.001	<0.001	<0.001	<0.001	
MW - 7	08/05/11	Not Sampled on Current Sample Schedule				
MW - 7	11/17/11	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/28/12	Not Sampled on Current Sample Schedule				
MW - 7	05/03/12	<0.001	<0.001	<0.001	<0.001	
MW - 7	08/24/12	Not Sampled on Current Sample Schedule				
MW - 7	11/15/12	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/14/13	Not Sampled on Current Sample Schedule				
MW - 7	05/28/13	<0.001	<0.001	<0.001	<0.001	
MW - 7	08/06/13	Not Sampled on Current Sample Schedule				
MW - 7	11/07/13	<0.001	<0.001	<0.001	<0.00300	
MW - 8	03/09/00	0.0010	<0.001	0.0010	<0.001	
MW - 8	05/11/00	<0.001	<0.001	<0.001	<0.001	
MW - 8	09/12/00	<0.001	<0.001	<0.001	<0.001	
MW - 8	12/14/00	<0.001	<0.001	<0.001	<0.001	
MW - 8	03/21/01	<0.001	<0.001	<0.001	<0.001	
MW - 8	05/30/01	<0.005	<0.005	<0.005	<0.005	
MW - 8	09/25/01	0.0010	<0.001	<0.001	<0.001	
MW - 8	11/17/01	<0.001	<0.001	<0.001	<0.001	

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05 A
LEA COUNTY, NEW MEXICO
NMOCD Reference #AP-12

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD Regulatory Limit		0.010	0.750	0.750	0.620	
MW - 8	02/20/02	0.0050	<0.001	0.0020	<0.001	
MW - 8	05/20/02	<0.001	<0.001	<0.001	<0.001	
MW - 8	09/24/02	<0.001	<0.001	<0.001	<0.001	
MW - 8	11/13/02	0.0020	<0.001	<0.001	<0.001	
MW - 8	02/06/03	<0.001	<0.001	<0.001	<0.001	
MW - 8	05/08/03	<0.001	<0.001	<0.001	<0.001	
MW - 8	08/19/03	<0.001	<0.001	<0.001	<0.001	
MW - 8	11/07/03	<0.001	<0.001	<0.001	<0.002	
MW - 8	02/09/04	<0.001	<0.001	<0.001	<0.002	
MW - 8	12/04/04	<0.001	<0.001	<0.001	<0.001	
MW - 8	03/07/05	Not Sampled on Current Sample Schedule				
MW - 8	06/07/05	Not Sampled on Current Sample Schedule				
MW - 8	09/07/05	Not Sampled on Current Sample Schedule				
MW - 8	12/14/05	<0.005	<0.005	<0.005	<0.005	
MW - 8	03/06/06	Not Sampled on Current Sample Schedule				
MW - 8	06/05/06	Not Sampled on Current Sample Schedule				
MW - 8	09/11/06	Not Sampled on Current Sample Schedule				
MW - 8	11/21/06	<0.001	<0.001	<0.001	<0.001	
MW - 8	02/20/07	<0.001	<0.001	<0.001	<0.001	
MW - 8	06/21/07	Not Sampled on Current Sample Schedule				
MW - 8	08/09/07	Not Sampled on Current Sample Schedule				
MW - 8	11/13/07	<0.001	<0.001	<0.001	<0.001	
MW - 8	02/14/08	Not Sampled on Current Sample Schedule				
MW - 8	05/16/08	Not Sampled on Current Sample Schedule				
MW - 8	08/19/08	Not Sampled on Current Sample Schedule				
MW - 8	11/19/08	<0.001	<0.001	<0.001	<0.001	
MW - 8	02/18/09	Not Sampled on Current Sample Schedule				
MW - 8	05/19/09	Not Sampled on Current Sample Schedule				
MW - 8	08/13/09	Not Sampled on Current Sample Schedule				
MW - 8	11/11/09	<0.001	<0.001	<0.001	<0.001	
MW - 8	02/04/10	Not Sampled on Current Sample Schedule				
MW - 8	05/07/10	Not Sampled on Current Sample Schedule				
MW - 8	08/06/10	Not Sampled on Current Sample Schedule				
MW - 8	11/05/10	<0.001	<0.001	<0.001	<0.001	
MW - 8	02/11/11	Not Sampled on Current Sample Schedule				
MW - 8	05/09/11	Not Sampled on Current Sample Schedule				
MW - 8	08/05/11	Not Sampled on Current Sample Schedule				
MW - 8	11/17/11	<0.001	<0.001	<0.001	<0.001	
MW - 8	02/28/12	Not Sampled on Current Sample Schedule				
MW - 8	05/03/12	Not Sampled on Current Sample Schedule				
MW - 8	11/15/12	Not Sampled on Current Sample Schedule				
MW - 8	11/15/12	<0.001	<0.001	<0.001	<0.001	

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05 A
LEA COUNTY, NEW MEXICO
NMOCD Reference #AP-12

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD Regulatory Limit		0.010	0.750	0.750	0.620	
MW - 8	02/14/13	<0.001	<0.001	<0.001	<0.001	
MW - 8	05/28/13	<0.001	<0.001	<0.001	<0.001	
MW - 8	08/06/13	<0.001	<0.001	<0.001	<0.001	
MW - 8	11/07/13	<0.001	<0.001	<0.001	<0.00300	
MW - 9	03/09/00	**0.0290**	0.0090	0.0280	0.0210	
MW - 9	05/11/00	**0.0560**	0.0340	0.0080	0.0090	
MW - 9	09/12/00	**0.2320**	0.0310	0.0060	0.0040	
MW - 9	12/14/00	**0.0300**	0.0150	0.0030	0.0020	
MW - 9	03/21/01	**0.1580**	0.0810	0.0160	0.0120	
MW - 9	05/30/01	**0.5320**	<0.005	<0.005	<0.005	
MW - 9	09/25/01	**0.4900**	0.2120	0.1610	0.0290	
MW - 9	11/17/01	**0.0140**	0.0470	0.0250	0.0080	
MW - 9	02/20/02	**0.1580**	0.0420	0.0460	0.0110	
MW - 9	05/08/03	**0.4460**	0.1880	0.3690	0.3920	
MW - 9	08/19/03	**0.0600**	0.0050	0.0430	0.0690	
MW - 9	11/07/03	**0.0760**	0.0010	0.0030	0.0080	
MW - 9	02/09/04	**0.0150**	0.0130	0.0090	0.0200	
MW - 9	05/04/04	**0.3030**	0.0110	0.0570	0.0390	
MW - 9	08/23/04	**0.0486**	<0.001	0.0056	<0.002	
MW - 9	12/04/04	0.0048	<0.001	0.0022	0.0031	
MW - 9	03/07/05	**0.0163**	<0.005	0.0243	0.0545	
MW - 9	06/07/05	**0.0499**	0.0183	0.0856	0.1500	
MW - 9	09/07/05	**0.0123**	0.0073	0.0454	0.0625	
MW - 9	12/14/05	<0.005	<0.005	0.0186	0.0149	
MW - 9	03/06/06	**0.0173**	0.0390	0.1940	0.2470	
MW - 9	06/05/06	**0.0330**	<0.005	0.2450	0.3690	
MW - 9	09/11/06	0.0073	<0.001	0.0981	0.1340	
MW - 9	11/21/06	**0.0128**	<0.001	0.0539	0.0192	
MW - 9	02/20/07	0.0056	<0.001	0.0333	0.0356	
MW - 9	05/15/07	<0.001	<0.001	0.0194	0.0164	
MW - 9	08/09/07	0.0047	<0.001	0.0215	0.0206	
MW - 9	11/13/07	**0.0250**	0.0092	0.0845	0.1020	
MW - 9	02/14/08	0.0030	<0.001	0.0152	0.0167	
MW - 9	05/16/08	0.0093	<0.001	0.0285	0.0271	
MW - 9	08/19/08	0.0020	<0.001	0.0064	0.0069	
MW - 9	11/19/08	0.0058	<0.001	0.0367	0.0300	
MW - 9	02/18/09	<0.001	<0.001	<0.001	0.0040	
MW - 9	05/19/09	0.0078	<0.001	0.0201	0.0306	
MW - 9	08/13/09	<0.001	<0.001	0.0201	0.0230	
MW - 9	11/11/09	<0.001	<0.001	0.0193	0.0166	
MW - 9	02/04/10	<0.001	<0.001	0.0100	0.0067	

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05 A
LEA COUNTY, NEW MEXICO
NMOCD Reference #AP-12

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD Regulatory Limit		**0.010**	**0.750**	**0.750**	**0.620**	
MW - 9	05/07/10	<0.001	<0.001	0.0095	0.0098	
MW - 9	08/06/10	<0.001	<0.001	0.0076	0.0107	
MW - 9	11/05/10	<0.001	<0.001	<0.001	<0.001	
MW - 9	02/11/11	<0.001	<0.001	<0.001	<0.001	
MW - 9	05/09/11	<0.001	<0.001	<0.001	<0.001	
MW - 9	08/05/11	<0.001	<0.001	<0.001	<0.001	
MW - 9	11/17/11	<0.001	<0.001	<0.001	<0.001	
MW - 9	02/28/12	<0.001	<0.001	<0.001	<0.001	
MW - 9	05/03/12	<0.001	<0.001	<0.001	<0.001	
MW - 9	08/24/12	0.1030	0.0961	0.0914	0.2710	
MW - 9	11/15/12	<0.001	<0.001	<0.001	<0.001	
MW - 9	02/14/13	Not Sampled on Current Sample Schedule				
MW - 9	05/28/13	<0.001	<0.001	<0.001	<0.001	
MW - 9	08/06/13	Not Sampled on Current Sample Schedule				
MW - 9	11/07/13	<0.001	<0.001	<0.001	<0.00300	
MW - 10	05/04/04	**4.230**	0.1990	**0.888**	**0.779**	
MW - 10	03/07/05	**5.690**	0.4910	**0.984**	**0.908**	
MW - 10	06/07/05	**4.350**	0.0618	0.510	0.264	
MW - 10	09/07/05	**5.630**	<0.2	**1.790**	**1.180**	
MW - 10	12/14/05	**2.320**	<0.05	<0.05	0.168	
MW - 10	03/06/06	**4.930**	0.3510	**1.390**	**1.400**	
MW - 10	06/05/06	**2.050**	0.0457	**0.792**	0.460	
MW - 10	09/11/06	**5.450**	0.1050	**1.420**	**1.070**	
MW - 10	11/21/06	**6.560**	<0.1	**1.420**	**1.190**	
MW - 10	02/20/07	**5.400**	<0.1	**1.290**	**1.130**	
MW - 10	05/15/07	**6.810**	<0.100	**3.230**	**2.180**	
MW - 10	08/09/07	**7.190**	<0.100	**1.470**	**0.894**	
MW - 10	11/13/07	**13.500**	<0.100	**2.890**	**1.500**	
MW - 10	02/14/08	**6.990**	<0.100	**1.760**	**0.995**	
MW - 10	05/16/08	**4.720**	<0.0500	**0.896**	0.327	
MW - 10	08/19/08	**7.890**	<0.100	**1.940**	**1.020**	
MW - 10	11/19/08	**6.220**	<0.100	**1.420**	**1.000**	
MW - 10	02/18/09	**6.320**	<0.001	**1.070**	0.271	
MW - 10	05/19/09	**6.000**	<0.100	**1.700**	**1.740**	
MW - 10	08/13/09	**6.820**	<0.100	**1.690**	**1.400**	
MW - 10	11/11/09	**6.560**	<0.100	**1.750**	**0.748**	
MW - 10	02/04/10	**5.490**	<0.100	**1.070**	0.218	
MW - 10	05/07/10	**6.080**	<0.100	**1.130**	**0.700**	
MW - 10	08/06/10	**8.450**	<0.050	**1.180**	0.397	
MW - 10	11/05/10	**5.400**	<0.0500	**1.140**	**0.641**	
MW - 10	02/11/11	**7.760**	<0.0500	**1.500**	**1.250**	

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05 A
LEA COUNTY, NEW MEXICO
NMOCD Reference #AP-12

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD Regulatory Limit		**0.010**	**0.750**	**0.750**	**0.620**	
MW - 10	05/09/11	**9.730**	<0.0500	**1.590**	**0.984**	
MW - 10	08/05/11	**9.420**	<0.0500	**1.470**	**0.973**	
MW - 10	11/17/11	**5.680**	<0.0500	0.630	<0.050	
MW - 10	02/28/12	Not Sampled due to PSH in Well				
MW - 10	05/03/12	Not Sampled due to PSH in Well				
MW - 10	08/24/12	Not Sampled due to PSH in Well				
MW - 10	11/15/12	Not Sampled due to PSH in Well				
MW - 10	02/14/13	Not Sampled due to PSH in Well				
MW - 10	05/28/13	Not Sampled due to PSH in Well				
MW - 10	08/06/13	Not Sampled due to PSH in Well				
MW - 11	12/10/04	<0.001	<0.001	<0.001	<0.001	
MW - 11	03/07/05	<0.001	<0.001	<0.001	<0.001	
MW - 11	06/07/05	<0.001	<0.001	<0.001	<0.001	
MW - 11	09/07/05	Not Sampled				
MW - 11	12/14/05	<0.005	<0.005	<0.005	<0.005	
MW - 11	03/06/06	<0.001	<0.001	<0.001	<0.001	
MW - 11	06/05/06	<0.001	<0.001	<0.001	<0.001	
MW - 11	09/11/06	<0.001	<0.001	<0.001	<0.001	
MW - 11	11/21/06	<0.001	<0.001	<0.001	<0.001	
MW - 11	02/20/07	<0.001	<0.001	<0.001	<0.001	
MW - 11	05/15/07	<0.001	<0.001	<0.001	<0.001	
MW - 11	08/09/07	<0.001	<0.001	<0.001	<0.001	
MW - 11	11/13/07	<0.001	<0.001	<0.001	<0.001	
MW - 11	02/14/08	<0.001	<0.001	<0.001	<0.001	
MW - 11	05/16/08	<0.001	<0.001	<0.001	<0.001	
MW - 11	08/19/08	<0.001	<0.001	<0.001	<0.001	
MW - 11	11/19/08	<0.001	<0.001	<0.001	<0.001	
MW - 11	02/18/09	<0.001	<0.001	<0.001	<0.001	
MW - 11	05/19/09	<0.001	0.0096	0.0108	0.0338	
MW - 11	08/13/09	<0.001	<0.001	<0.001	<0.001	
MW - 11	11/11/09	<0.001	<0.001	<0.001	<0.001	
MW - 11	02/04/10	<0.001	<0.001	<0.001	<0.001	
MW - 11	05/07/10	<0.001	<0.001	<0.001	<0.001	
MW - 11	08/06/10	<0.001	<0.001	<0.001	<0.001	
MW - 11	11/05/10	<0.001	<0.001	<0.001	<0.001	
MW - 11	02/11/11	<0.001	<0.001	<0.001	0.0215	
MW - 11	05/09/11	<0.001	<0.001	<0.001	<0.001	
MW - 11	08/05/11	<0.001	<0.001	<0.001	<0.001	
MW - 11	11/17/11	<0.001	<0.001	<0.001	<0.001	
MW - 11	02/28/12	<0.001	<0.001	<0.001	<0.001	
MW - 11	05/03/12	<0.001	<0.001	<0.001	<0.001	

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05 A
LEA COUNTY, NEW MEXICO
NMOCD Reference #AP-12

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD Regulatory Limit		0.010	0.750	0.750	0.620	
MW - 11	08/24/12	<0.001	<0.001	<0.001	<0.003	
MW - 11	11/15/12	<0.001	<0.001	<0.001	<0.001	
MW - 11	02/14/13	Not Sampled on Current Sample Schedule				
MW - 11	05/28/13	<0.001	<0.001	<0.001	<0.001	
MW - 11	08/06/13	Not Sampled on Current Sample Schedule				
MW - 11	11/07/13	<0.001	<0.001	<0.001	<0.00300	

TABLE 3

POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-12

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	11/19/08	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	**0.00193**	<0.000917	<0.000917	**0.0104**	<0.000917	**0.014**	<0.000917	**0.047**	**0.0806**	**0.0587**	0.0152
	11/11/09	<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	**0.0110**	<0.000917	**0.0257**	**0.0706**	**0.0474**	0.0103
	11/05/10	<0.00188	<0.00188	<0.00188	<0.00188	<0.00188	<0.00188	<0.00188	<0.00188	<0.00188	<0.00188	<0.00188	**0.0114**	<0.00188	**0.0250**	<0.00188	**0.0407**	**0.138**	**0.0768**	0.0219
	12/16/11	<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	**0.0132**	<0.000185	**0.0116**	**0.0343**	**0.0171**	0.0144
	11/15/12	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	**0.0236**	<0.000189	**0.0354**	**0.101**	**0.0632**	**0.0286**
	11/07/13	<0.000200	0.213	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	**0.494**	**0.112**	**0.388**	<0.000200	**0.610**	**1.21**	**0.0632**	**21.4**
MW-2	11/19/08	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	**0.00525**	<0.000922	**0.00739**	<0.000922	**0.0163**	**0.0252**	**0.0335**	0.00806
	11/11/09	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	**0.0114**	<0.000922	**0.0488**	**0.0930**	**0.0735**	0.0116
	11/05/10	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	**0.00106**	<0.000186	**0.00238**	<0.000186	0.00139	0.00528	0.000936	0.00168
	12/16/11	<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	**0.00346**	<0.000185	0.00324	0.00714	0.00306	0.00263
	11/15/12	Not Sampled Due to the Presence of PSH.																		
	11/07/13	Not Sampled Due to the Presence of PSH.																		
MW-3	11/19/08	<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	0.00022	<0.000184	<0.000184	<0.000184
	11/11/09	<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	<0.000184
	11/05/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/16/11	Not Sampled as part of Quarterly Monitoring Event.																		
	11/15/12	Not Sampled as part of Quarterly Monitoring Event.																		
	11/07/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	11/19/08	<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
	11/11/09	<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
	11/05/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/16/11	Not Sampled as part of Quarterly Monitoring Event.																		
	11/15/12	Not Sampled as part of Quarterly Monitoring Event.																		
	11/07/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-6	11/19/08	<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
	11/11/09	<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
	11/05/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/16/11	Not Sampled as part of Quarterly Monitoring Event.																		
	11/07/13	Not Sampled as part of Quarterly Monitoring Event.																		

TABLE 3

POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-12

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	11/19/08	<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
	11/11/09	<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	<0.000184
	11/05/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/16/11	Not Sampled as part of Quarterly Monitoring Event.																		
	11/07/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-8	11/19/08	<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
	11/11/09	<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	<0.000184
	11/05/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/16/11	Not Sampled as part of Quarterly Monitoring Event.																		
	11/15/12	Not Sampled as part of Quarterly Monitoring Event.																		
	11/07/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-9	11/19/08	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	**0.00427**	<0.000935	**0.00553**	<0.000935	0.00202	0.00876	0.00297	0.00586
	11/11/09	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	**0.00358**	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922
	11/05/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/16/11	<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
	11/15/12	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189
	11/07/13	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189
MW-10	11/19/08	<0.00367	<0.00367	<0.00367	<0.00367	<0.00367	<0.00367	<0.00367	<0.00367	<0.00367	<0.00367	<0.00367	**0.050**	<0.00367	**0.0652**	<0.00367	**0.175**	**0.412**	**0.380**	0.0765
	11/11/09	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	**0.0101**	<0.000922	**0.0474**	**0.0934**	**0.0713**	0.0125
	11/05/10	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	**0.00495**	<0.000188	**0.00732**	<0.000188	**0.0358**	**0.0569**	**0.041**	0.00602
	12/16/11	<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	**0.0151**	<0.000184	**0.0652**	**0.0901**	**0.0815**	0.0200
	11/15/12	Not Sampled due to the presence of PSH																		
	11/07/13	Not Sampled due to the presence of PSH																		
MW-11	11/19/08	<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
	11/11/09	<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
	11/05/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/16/11	Not Sampled as part of Quarterly Monitoring Event.																		
	11/15/12	Not Sampled as part of Quarterly Monitoring Event.																		
	11/07/13	Not Sampled as part of Quarterly Monitoring Event.																		