



2016
ANNUAL MONITORING REPORT

MONUMENT 18

NW ¼ NW ¼ SECTION 7, TOWNSHIP 20 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO
PLAINS SRS NUMBER: TNM MONUMENT 18-KNOWN
NMOCD Reference 1R-0124

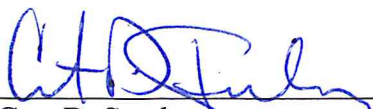
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March 2017


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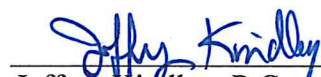

Jeffrey Kindley, P.G.
Senior Project Manager

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ENCLOSED ON DATA DISK

2016 Annual Monitoring Report

2016 Tables 1, 2, 3, and 4 – Groundwater Elevation, BTEX, PAH, and TDS and Chloride Concentration Data

2016 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

On behalf of Plains Marketing, L.P., (Plains), TRC Environmental Corporation (TRC) is pleased to submit this 2016 Annual Monitoring Report in compliance with the New Mexico Oil Conservation Division (NMOCD) letter of May 1998, requiring submittal of an Annual Monitoring Report by April 1 of each year. Beginning on May 29, 2004, project management responsibilities were assumed by TRC, previously NOVA Safety and Environmental (NOVA). The Monument 18 Site (the site), formally the responsibility of Enron Oil Trading and Transportation (EOTT), is now the responsibility of Plains. This report is intended to be viewed as a complete document with figures, attachments, tables, and text. The report presents the results of the quarterly groundwater monitoring events conducted in calendar year 2016. For reference, the Site Location Map is provided as Figure 1. Cumulative tables and laboratory data are provided on the enclosed data disk.

Groundwater monitoring was conducted each quarter of 2016 to assess the levels and extent of dissolved phase constituents and Phase Separated Hydrocarbon (PSH). The groundwater monitoring events consisted of measuring static water levels in the monitor wells, checking for the presence of PSH, and purging and sampling of each well exhibiting sufficient recharge. Monitor wells containing a thickness of PSH greater than 0.01 foot were not sampled.

SITE DESCRIPTION AND BACKGROUND INFORMATION

The legal description of the site location is NW ¼ NW ¼, Section 7, Township 20 South, Range 37 East, Lea County, New Mexico. No information with respect to the release date or volume of crude oil released and recovered is available as the release occurred while the pipeline was operated by Texas New Mexico Pipe Line Company (TNMPL). The Release Notification and Corrective Action Form (C-141) is provided as Appendix A.

A Remediation Summary and Proposed Soil Closure Strategy (Work Plan) was submitted to the NMOCD in March 2013. The Work Plan proposed soil remediation activities intended to progress the site toward an NMOCD approved soil closure.

On April 22, 2013, Plains received approval from the NMOCD to commence the activities outlined in the Work Plan. Excavation activities began during the 3rd quarter of 2013 and continued throughout 2014.

In the 2nd quarter of 2015, Plains submitted and received NMOCD approval for the *Interim Remediation Summary and Revised Proposed Soil Closure Strategy*.

On October 31, 2016, Plains submitted an *Addendum to the Interim Remediation Summary and Revised Proposed Soil Closure Strategy* (Addendum) to the NMOCD. On January 27, 2017, Plains verbally requested an amendment to the Addendum and February 7, 2017, Plains received an email approval from the NMOCD.

Additional details of NMOCD approved soil remediation activities will not be addressed in this 2016 Annual Monitoring Report. A *Remediation Summary and Soil Closure Request* will be prepared and submitted to the NMOCD at the completion of the NMOCD approved activities.

Currently, there are nine (9) monitor wells (MW-1 and MW-3 through MW-10) on site. Monitor wells MW-4 and MW-8 have been temporarily excavated and cannot be sampled.

FIELD ACTIVITIES

Product Recovery Efforts

During the 4th quarter sampling event of 2016, no measureable PSH was observed in any of the seven (7) gauged and sampled on-site monitor wells. Monitor wells MW-4 and MW-8 were not gauged or sampled during the reporting period due to the location of the monitor wells within the excavation.

A measurable thickness of PSH was observed in monitor well MW-1 throughout the 1st quarter of the reporting period. With the exception of a single report of PSH (0.02 feet) on August 12, 2016, no measurable PSH was observed in monitor well MW-1 during the 2nd, 3rd, and 4th quarters of 2016. A measurable thickness of PSH was observed in monitor well MW-3 throughout the 1st, 2nd, and 3rd quarters of the reporting period. No PSH was observed in monitor well MW-3 throughout the 4th quarter, with the exception of a single report of PSH (0.01 feet) on November 11, 2016. The average PSH thickness in monitor wells MW-1 and MW-3 was 0.03 feet and 0.24 feet, respectively. The maximum recorded PSH thickness was 0.70 feet, observed in monitor well MW-3 on March 3, 2016. Monitor wells MW-4 and MW-8 were not gauged or sampled during the reporting period due to the location of the monitor wells within the excavation. PSH data for the 2016 gauging events can be found in Table 1. Approximately 18 gallons (0.43 barrels) of PSH was recovered from the on-site monitor wells during the 2016 reporting period. An estimated five gallons (0.12 barrel) of PSH was recovered from the open excavation during the reporting period. Approximately 859.28 total gallons of PSH (20.46 barrels) have been recovered since project inception. Recovery of PSH observed in the on-site monitor wells is by manual recovery methods and is performed on a weekly schedule. Recovery from the open excavation is conducted using a vacuum truck and PSH recovery from the open excavation is estimated.

Groundwater Monitoring

Quarterly monitoring events for the reporting period were performed according to the following sampling schedule, which was approved by the NMOCD in correspondence dated April 28, 2004 and amended by NMOCD correspondence dated June 22, 2005.

NMOCD APPROVED SAMPLING SCHEDULE			
Location	Schedule	Location	Schedule
MW-1	Quarterly	MW-6	Annually
MW-2	Plugged and Abandoned	MW-7	Annually
MW-3	Quarterly	MW-8	Annually
MW-4	Quarterly	MW-9	Quarterly
MW-5	Semi-Annually	MW-10	Quarterly

The site monitor wells were gauged and sampled on February 1, May 17, August 4, and November 28, 2016. During each sampling event the monitor wells were purged of a minimum of three (3) well volumes of water or until the wells were dry using a disposable polyethylene

bailer or electrical Grundfos pump. Groundwater was allowed to recharge and samples were obtained using disposable Teflon samplers. Water samples were collected in clean glass containers provided by the laboratory and placed on ice in the field. Purge water was collected in a polystyrene tank and disposed of at a licensed disposal facility.

Locations of the monitor wells and the inferred groundwater gradient, which were constructed from measurements collected during the four (4) quarterly monitoring events, are depicted on Figures 2A through 2D, the Inferred Groundwater Gradient Maps. Groundwater elevation data for 2016 is provided as Table 1. Historic groundwater elevation data beginning at project inception is provided on the enclosed data disk.

The most recent Groundwater Gradient Map, Figure 2D, indicated a general gradient of 0.0014 feet per foot to the southeast.

BTEX CONSTITUENT LABORATORY RESULTS

Groundwater samples obtained during the 1st, 2nd, and 3rd quarterly sampling events of 2016 were delivered to Trace Analysis, Inc. in Midland, Texas for determination of Benzene, Toluene, Ethylbenzene, and Xylene (BTEX) constituent concentrations by EPA Method 8021B.

Groundwater samples obtained during the 4th quarterly sampling event of 2016 were delivered to XENCO Laboratories in Midland, Texas for determination of Benzene, Toluene, Ethylbenzene, and Xylene (BTEX) constituent concentrations by EPA Method 8021B. Polynuclear Aromatic Hydrocarbons (PAH) analysis by EPA Method 8270 was conducted during the 2016 calendar year on monitor wells MW-1 and MW-3. Based upon historic PAH analytical data, only those wells exhibiting elevated constituent concentrations above NMWQCC Drinking Water Standards are sampled, with the exclusion of those wells containing measurable PSH thicknesses. A listing of BTEX constituent concentrations for 2016 are summarized in Table 2 and the 2016 PAH constituent concentrations are summarized in Table 3. Copies of the laboratory reports generated for 2016 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. Monitor well MW-1 was not sampled during the 1st quarter of the reporting period, due to the presence of PSH in the monitor well. A PSH thicknesses of 0.12 feet was reported during the 1st quarter of 2016. Monitor well MW-1 was sampled during the 2nd, 3rd, and 4th quarters of the reporting period and the analytical results indicated benzene concentrations ranged from less than the applicable laboratory method detection limit (MDL) during the 3rd and 4th quarters to 0.00120 mg/L during the 2nd quarter of the reporting period. Benzene concentration were below the NMOCD regulatory guidelines during the 2nd, 3rd, and 4th quarters of the reporting period. Toluene concentrations ranged from less than the applicable laboratory MDL during the 2nd and 3rd quarters to 0.00293 mg/L during the 4th quarter. Toluene concentrations were below the NMOCD regulatory guidelines during the 2nd, 3rd, and 4th quarters of the reporting period. Ethylbenzene concentrations ranged from 0.00390 mg/L during the 3rd quarter to 0.00820 mg/L during the 2nd quarter. Ethylbenzene concentrations were below the NMOCD regulatory guidelines during the 2nd, 3rd, and 4th quarters of the reporting period. Xylene concentrations ranged from 0.00670 mg/L during the 3rd quarter to 0.0206 mg/L during the 4th quarter. Xylene concentrations were below the NMOCD regulatory guidelines during the 2nd, 3rd, and 4th quarters of the reporting period.

PAH analysis during the 4th quarter sampling event indicated concentrations of anthracene (0.00687 mg/L), benzo[a]anthracene (0.00172 mg/L), chrysene (0.00120 mg/L), dibenz[a,h]anthracene (0.000461 mg/L), Fluorene (0.00859 mg/L), and Phenanthrene (0.00616 mg/L) which exceed the NMQWCC Drinking Water Standards. Concentrations of benzo[a]pyrene (0.000314 mg/L), benzo[b]fluoranthene (0.000540 mg/L), benzo[k]fluoranthene (0.000482 mg/L), Fluoranthene (0.00340 mg/L), indeno[1,2,3-cd]pyrene (0.000376 mg/L), and naphthalene (0.00344 mg/L) were detected at levels below the NMQWCC Drinking Water Standards.

Monitor well MW-3 is sampled on a quarterly schedule. Monitor well MW-3 was not sampled during the 1st, 2nd, and 3rd quarters of the reporting period, due to the presence of PSH in the monitor well. A PSH thicknesses of 0.44 feet, 0.54 feet, and 0.05 feet was reported during the 1st, 2nd, and 3rd quarters of 2016. Monitor well MW-3 was sampled during 4th quarter of the reporting period and the analytical results indicated benzene, toluene, ethylbenzene, and xylene concentration were 0.00708 mg/L, <0.00200 mg/L, 0.00599 mg/L, and 0.0200 mg/L, respectively. Based on the analytical results, BTEX constituent concentrations were below NMOCD regulatory guidelines during the 4th quarter of the reporting period.

PAH analysis during the 4th quarter sampling event indicated concentrations of anthracene (0.00317 mg/L), benzo[a]anthracene (0.00270 mg/L), chrysene (0.00215 mg/L), dibenz[a,h]anthracene (0.000524 mg/L), Fluorene (0.00924 mg/L), indeno[1,2,3-cd]pyrene (0.000440 mg/L), and Phenanthrene (0.0149 mg/L) which exceed the NMQWCC Drinking Water Standards. Concentrations of benzo[a]pyrene (0.000470 mg/L), benzo[b]fluoranthene (0.000536 mg/L), Fluoranthene (0.00591 mg/L), pyrene (0.000415 mg/L), and naphthalene (0.00707 mg/L) were detected at levels below the NMQWCC Drinking Water Standards.

Monitor well MW-4 is sampled on a quarterly schedule. Monitor well MW-4 was not gauged or sampled during all four (4) quarterly sampling events, due to excavation activities at the site.

Monitor well MW-5 is sampled on a semi-annual schedule and analytical results indicated BTEX constituent concentrations were less than the applicable laboratory MDL and NMOCD regulatory guidelines for each BTEX constituent during the 2nd and 4th quarter sampling events. The analytical results indicated BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 3rd quarter of 1999. PAH analysis was not required during the 4th quarter sampling event.

Monitor well MW-6 is sampled on an annual schedule and analytical results indicated BTEX constituent concentrations were less than the applicable laboratory MDL and NMOCD regulatory guidelines for each BTEX constituent during the 4th quarter sampling event. The analytical results indicated BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 2nd quarter sampling event of 2001. PAH analysis was not required during the 4th quarter sampling event.

Monitor well MW-7 is sampled on an annual schedule and analytical results indicated BTEX constituent concentrations were less than the applicable laboratory MDL and NMOCD regulatory guidelines for each BTEX constituent during the 4th quarter sampling event. The analytical results indicated BTEX constituent concentrations have been below NMOCD

regulatory guidelines since the 3rd quarter sampling event of 1999. PAH analysis was not required during the 4th quarter sampling event.

Monitor well MW-8 is sampled on a quarterly schedule. Monitor well MW-8 was not gauged or sampled during all four (4) quarterly sampling events due to excavation activities at the site.

Monitor well MW-9 is sampled on a quarterly schedule and analytical results indicated BTEX constituent concentrations were less than the applicable laboratory MDL and NMOCD regulatory guidelines for each BTEX constituent during all four (4) quarters of the reporting period. The analytical results indicated BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 4th quarter of 2006. PAH analysis was not required during the 4th quarter sampling event.

Monitor well MW-10 is sampled on a quarterly schedule and analytical results indicated BTEX constituent concentrations were less than the applicable laboratory MDL and NMOCD regulatory guidelines for each BTEX constituent during all four (4) quarters of the reporting period. The analytical results indicated BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 4th quarter of 2004. PAH analysis was not required during the 4th quarter sampling event.

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

TDS AND CHLORIDE LABORATORY RESULTS

Please note, the following narrative and analytical data was presented in the Monument 18 – 2015 Annual Monitoring Report. The collection and analysis of total dissolved solid (TDS) and chloride samples in the on-site monitor wells was conducted on February 2, 2016 and for continuity, the information has been included in the Monument 18 - 2016 Annual Monitoring Report.

A previous contractor conducted total dissolved solid (TDS) and chloride analysis on monitor wells (MW-2, MW-3, and MW-5 through MW-8) following the installation of the monitor wells. On May 2, 1997, monitor wells MW-2 and MW-3 were sampled for TDS and chloride and the analytical results indicated TDS concentrations ranged from 16,300 mg/L in monitor well MW-2 to 17,200 mg/L in monitor well MW-3. Chloride concentrations in monitor wells MW-2 and MW-3 ranged from 757 mg/L in monitor well MW-2 to 7,680 mg/L in monitor well MW-3. Please reference Table 4 for a summary of TDS and Chloride Concentrations in Groundwater.

On September 19, 1997, monitor wells MW-5 and MW-6 were sampled for TDS and chloride and the analytical results indicated TDS concentrations ranged from 22,000 mg/L in monitor well MW-6 to 23,000 mg/L in monitor well MW-5. Chloride concentrations in monitor wells MW-5 and MW-6 ranged from 5,100 mg/L in monitor well MW-5 to 8,600 mg/L in monitor well MW-6.

On August 18, 1998, monitor wells MW-7 and MW-8 were sampled for TDS and chloride and the analytical results indicated TDS concentrations ranged from 19,200 mg/L in monitor well

MW-7 to 19,900 mg/L in monitor well MW-8. Chloride concentrations in monitor wells MW-7 and MW-8 ranged from 11,100 mg/L in monitor well MW-7 to 22,600 mg/L in monitor well MW-8.

General groundwater chemistry analysis was not conducted on monitor wells MW-1 and MW-4 due to the presence of PSH in the monitor wells immediately following installation. General groundwater chemistry was not conducted on monitor wells MW-9 and MW-10 at the time of installation.

On January 27, 2016, a Plains and TRC representative presented the historical TDS and chloride analytical results to several NMOCD representatives in the NMOCD Hobbs District Office. Based on the historical TDS and chloride results, a NMOCD representative requested Plains collect additional groundwater samples and submit the samples to the laboratory for TDS and chloride analysis.

On February 1, 2016, TRC, on behalf of Plains, collected groundwater samples from monitor wells MW-1, MW-3, MW-5 through MW-7, and MW-9 through MW-10 and submitted the samples for TDS and chloride analysis, using EPA Method 160.1 and EPA Method 300.0, respectively. The analytical results indicated TDS concentrations ranged from 11,800 mg/L in monitor well MW-7 to 14,300 mg/L in monitor well MW-3. Chloride concentrations ranged from 5,820 mg/L in monitor well MW-7 to 7,550 mg/L in monitor well MW-1.

SUMMARY

This report presents the results of monitoring activities for the 2016 annual monitoring period. Currently, there are nine (9) groundwater monitor wells (MW-1 and MW-3 through MW-10) on site. If warranted, recovery of PSH at the site is achieved using manual recovery methods and on a weekly schedule. The most recent Groundwater Gradient Map, Figure 2D, indicated a general gradient of 0.0014 feet per foot to the southeast.

A measurable thickness of PSH was observed in monitor well MW-1 throughout the 1st quarter of the reporting period. With the exception of a single report of PSH (0.02 feet) on August 12, 2016, no measurable PSH was observed in monitor well MW-1 during the 2nd, 3rd, and 4th quarters of 2016. A measurable thickness of PSH was observed in monitor well MW-3 throughout the 1st, 2nd, and 3rd quarters of the reporting period. No PSH was observed in monitor well MW-3 throughout the 4th quarter, with the exception of a single report of PSH (0.01 feet) on November 11, 2016. The average PSH thickness in monitor wells MW-1 and MW-3 was 0.03 feet and 0.24 feet, respectively. The maximum recorded PSH thickness was 0.70 feet, observed in monitor well MW-3 on March 3, 2016. Monitor wells MW-4 and MW-8 were not gauged or sampled during the reporting period due to the location of the monitor wells within the excavation. Approximately 18 gallons (0.43 barrels) of PSH was recovered from the on-site monitor wells during the 2016 reporting period. An estimated five gallons (0.12 barrel) of PSH was recovered from the open excavation during the reporting period. Approximately 859.28 total gallons of PSH (20.46 barrels) have been recovered since project inception.

During the 4th quarter sampling event of 2016, no measureable PSH was observed in any of the seven (7) gauged and sampled on-site monitor wells. Monitor wells MW-4 and MW-8 were not

gauged or sampled during the reporting period due to the location of the monitor wells within the excavation.

BTEX constituent concentrations were below NMOCD regulatory guidelines in seven (7) of the nine (9) monitor wells during 4th quarter of the 2016 reporting period. Please note, monitor wells MW-4 and MW-8 were not gauged or sampled during the 2016 reporting period. Review of PAH analysis conducted during the 4th quarter, indicated monitor wells MW-1 and MW-3 exhibited PAH concentrations which exceed the NMWQCC Drinking Water Standards.

ANTICIPATED ACTIONS

Quarterly monitoring and groundwater sampling will continue in 2017. Gauging and if warranted, manual product recovery will be conducted on a weekly schedule and will be adjusted according to site conditions.

A Remediation Summary and Soil Closure Request will be submitted to the NMOCD on completion of the NMOCD approved excavation activities.

An Annual Monitoring Report will be submitted to the NMOCD before April 1, 2018.

LIMITATIONS

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

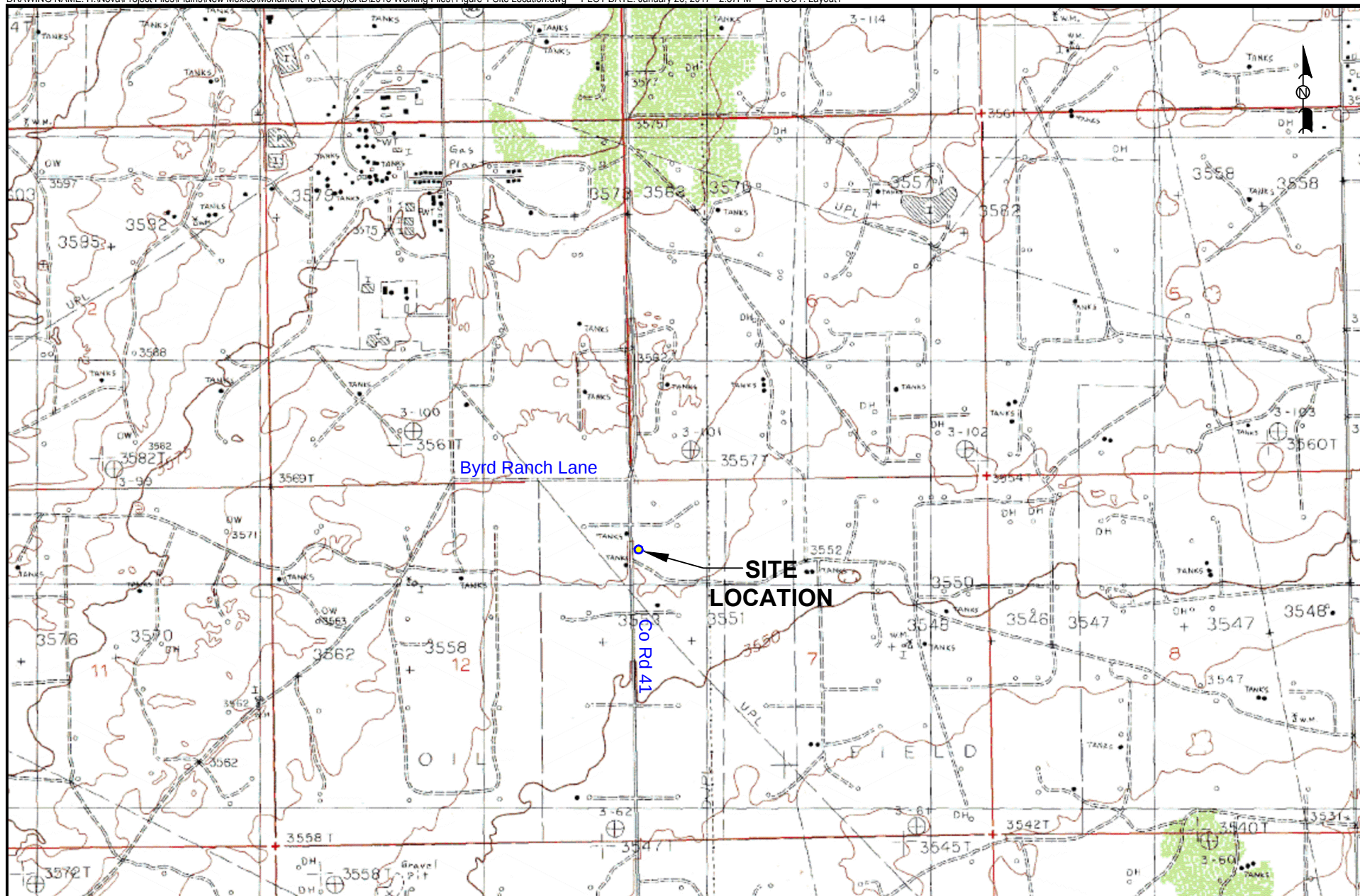
TRC has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. TRC has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. TRC has prepared this report, in a professional manner, using the degree of skill and care exercised by similar environmental consultants. TRC 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 TRC and/or Plains.

DISTRIBUTION

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cdstanley@trcsolutions.com

Figures



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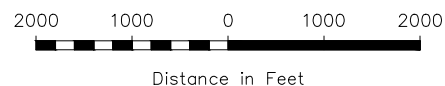


Figure 1
Site Location Map
Plains Marketing, L.P.
Monument 18
NMOCD Reference # IRP-124-0
Lea County, NM

Scale: 1" = 100'

CAD By: TA Checked By: CS

Draft: February 16, 2016

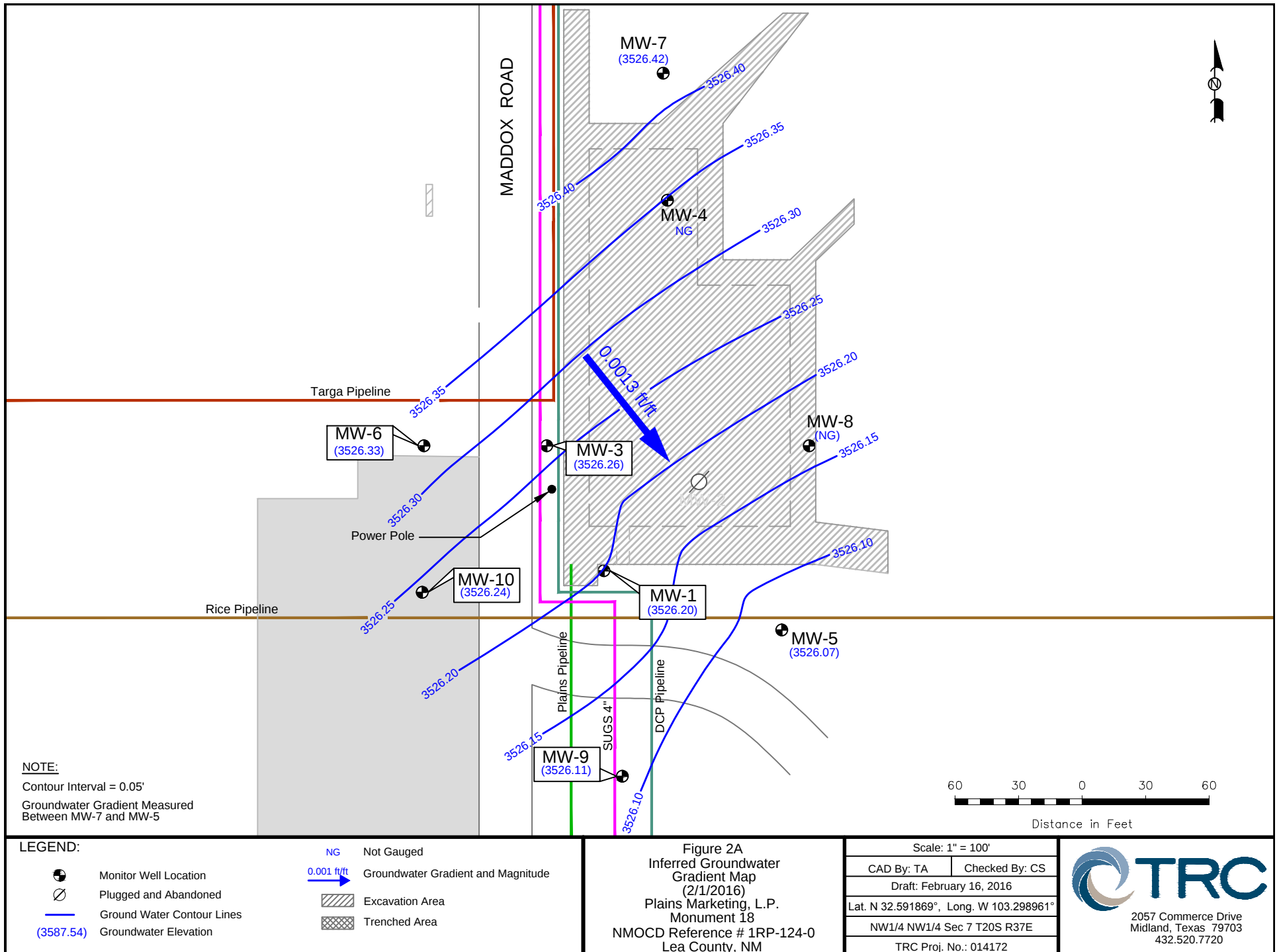
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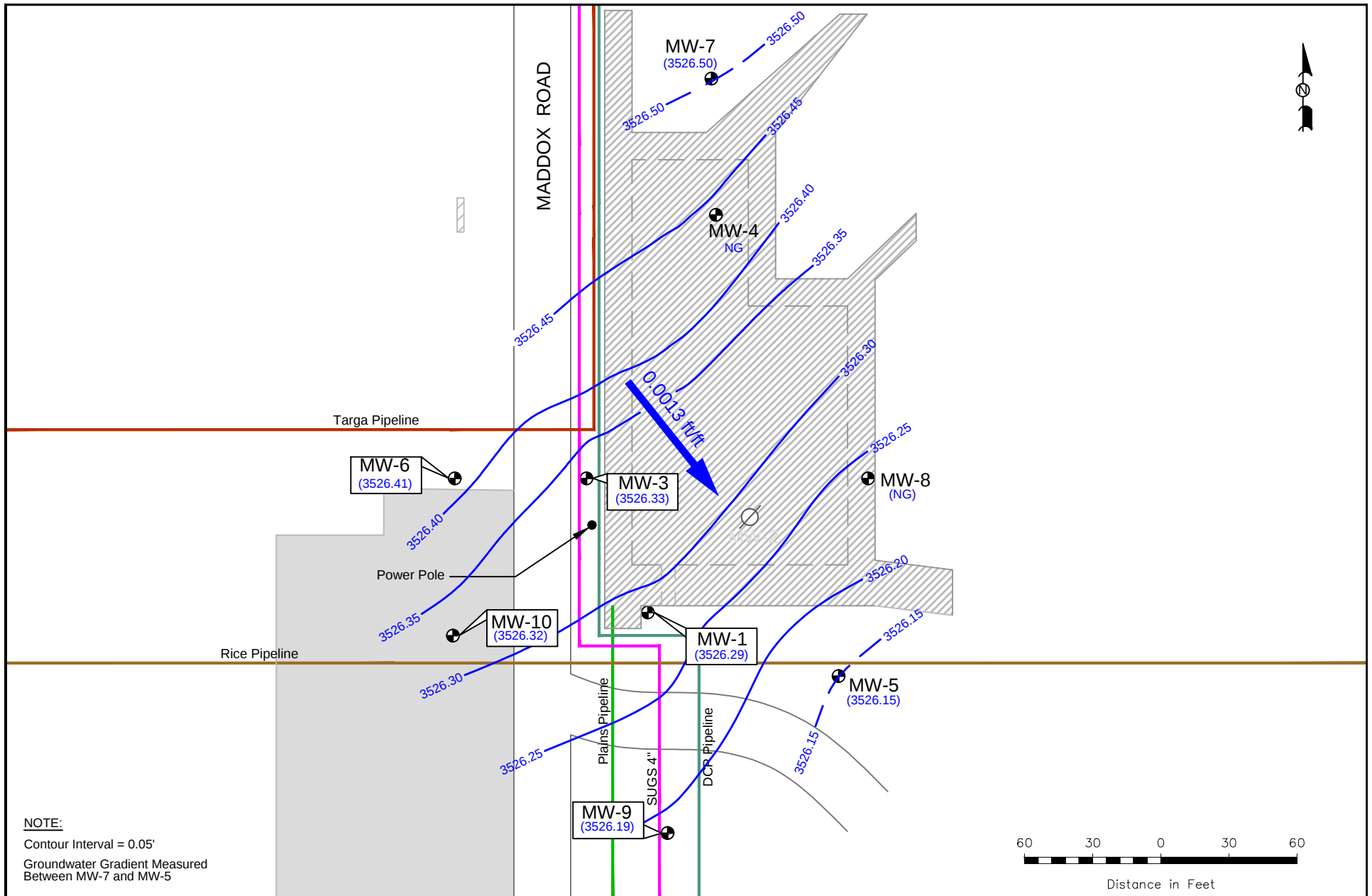
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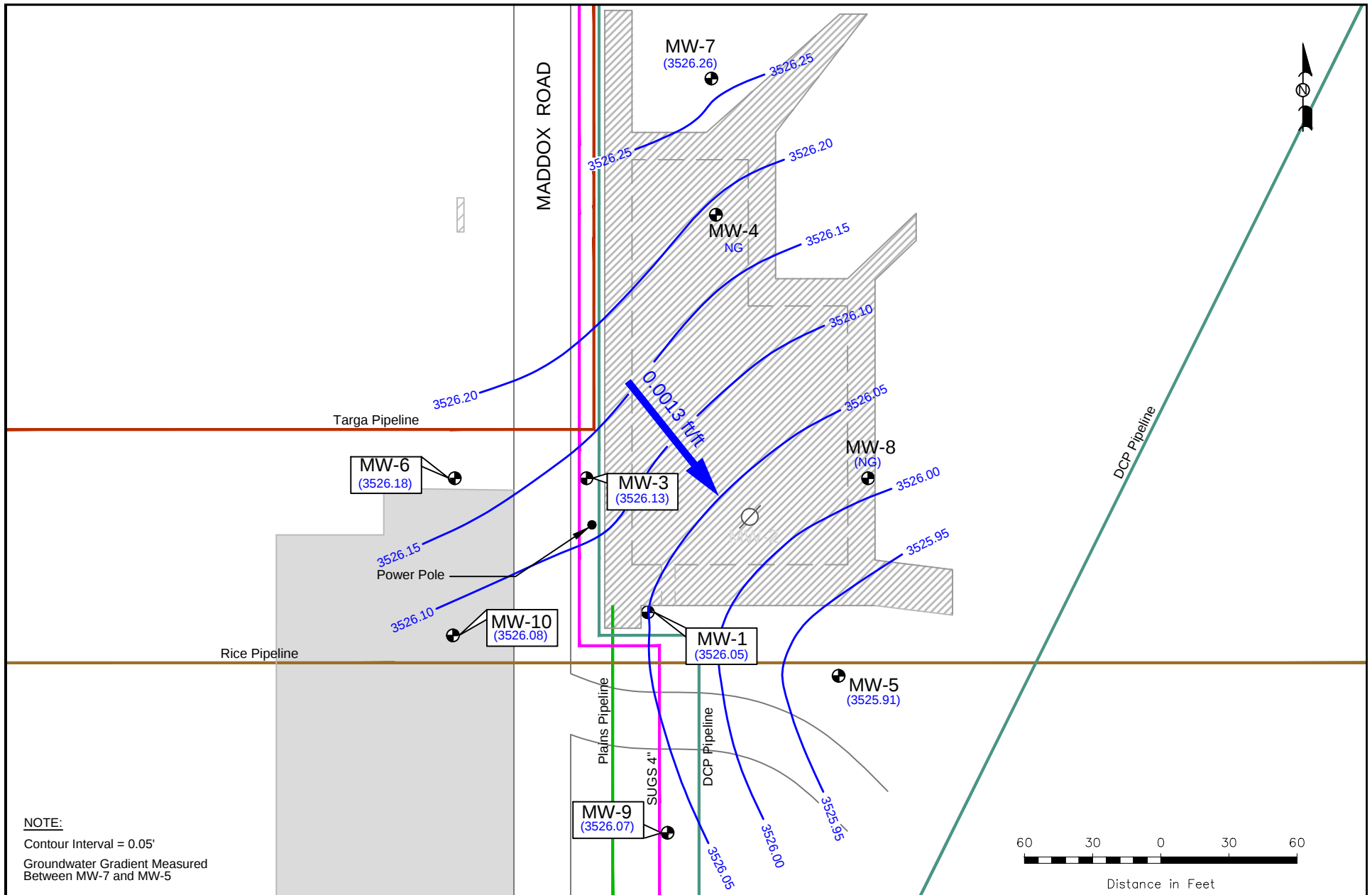
TRC Proj. No.: 014172



2057 Commerce Drive
Midland, Texas 79703
432.520.7720







LEGEND: Monitor Well Location Plugged and Abandoned Ground Water Contour Lines Groundwater Elevation (3587.54)		NG Not Gauged 0.001 ft/ft Groundwater Gradient and Magnitude Excavation Area Trenched Area	Figure 2C Inferred Groundwater Gradient Map (8/4/2016) Plains Marketing, L.P. Monument 18 NMOC Reference # 1RP-124-0 Lea County, NM	Scale: 1" = 100' CAD By: TA Checked By: CS Draft: August 10, 2016 Lat. N 32.591869°, Long. W 103.298961° NW1/4 NW1/4 Sec 7 T20S R37E TRC Proj. No.: 014172	 2057 Commerce Drive Midland, Texas 79703 432.520.7720
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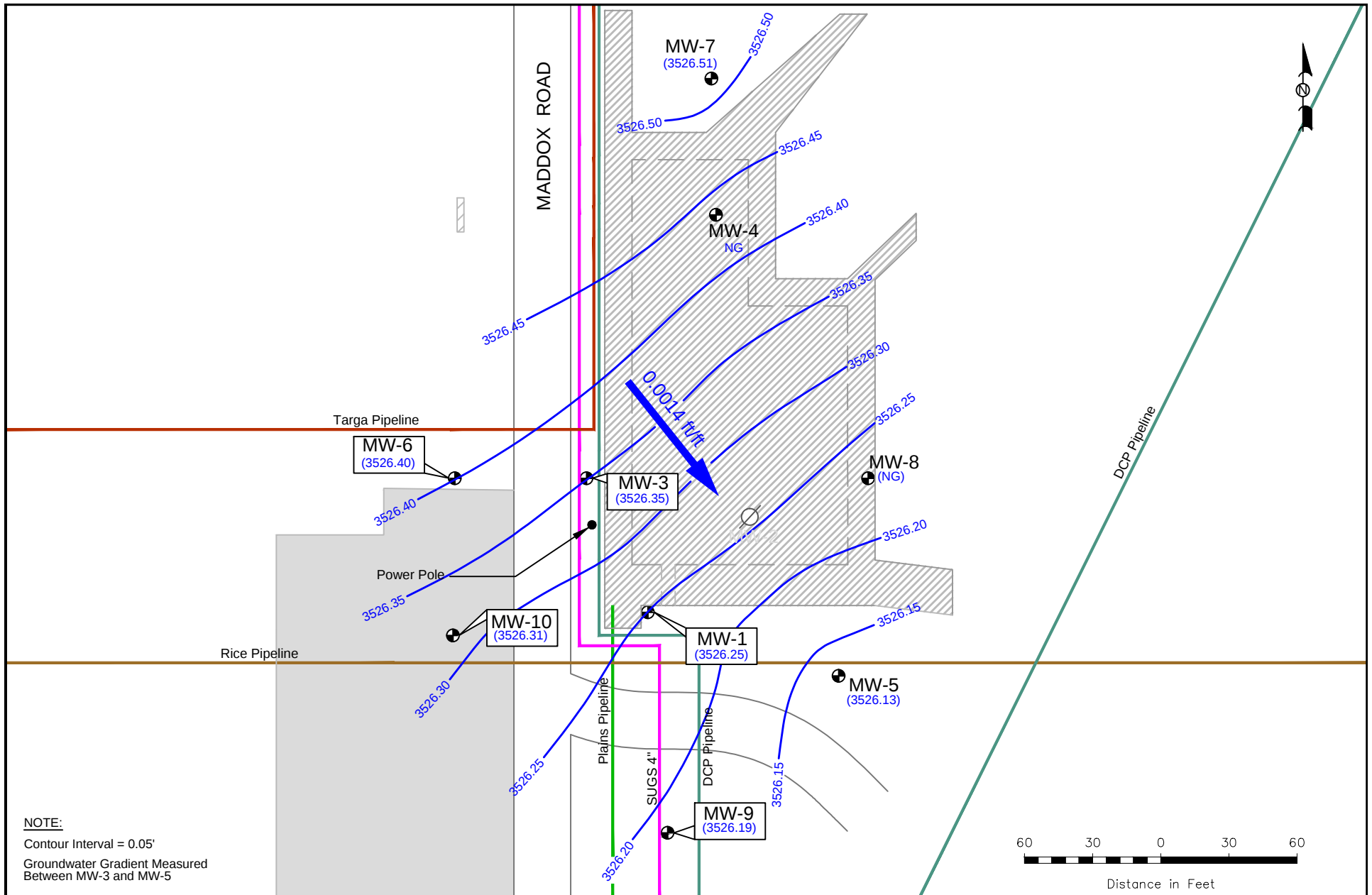
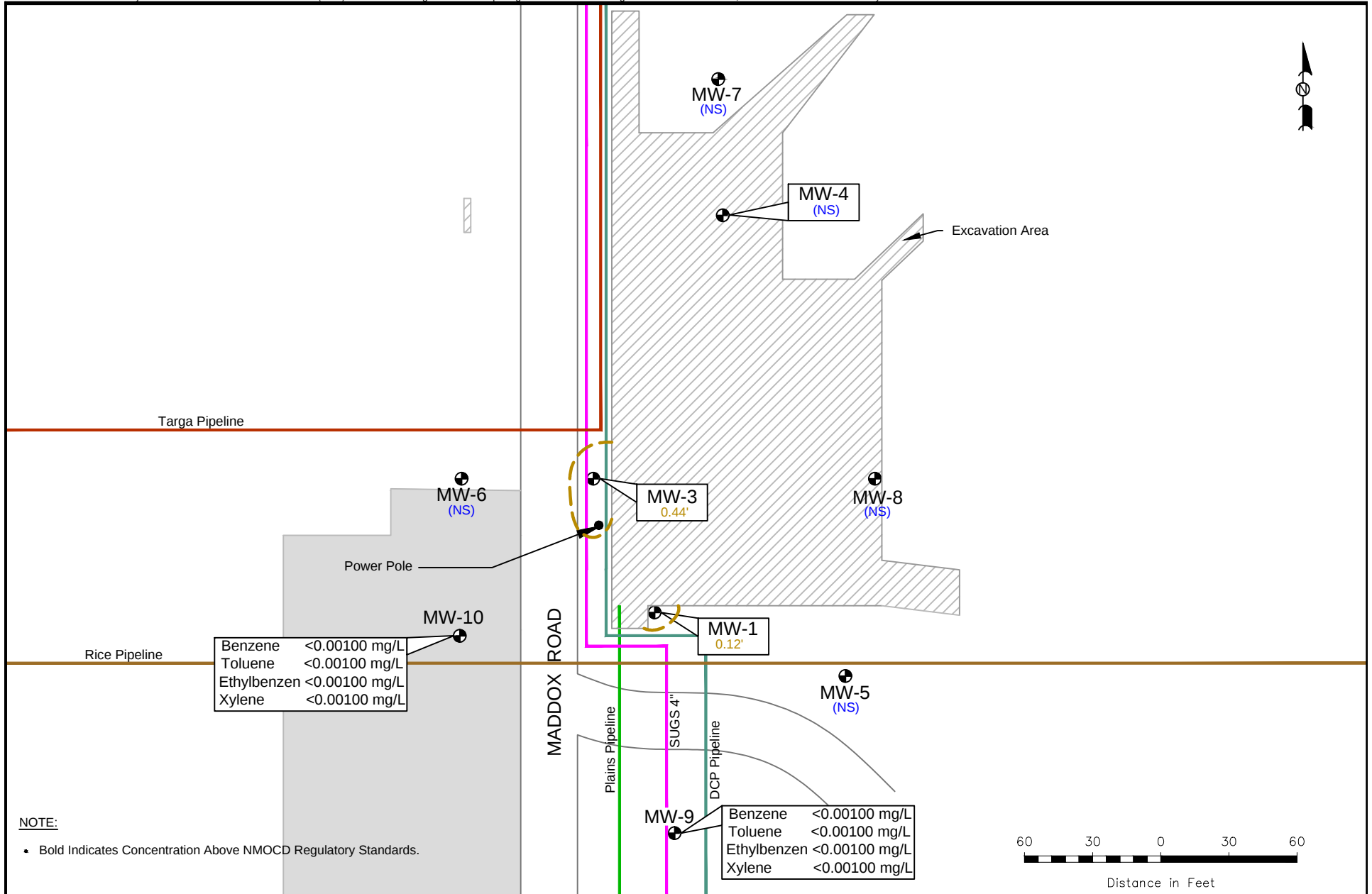
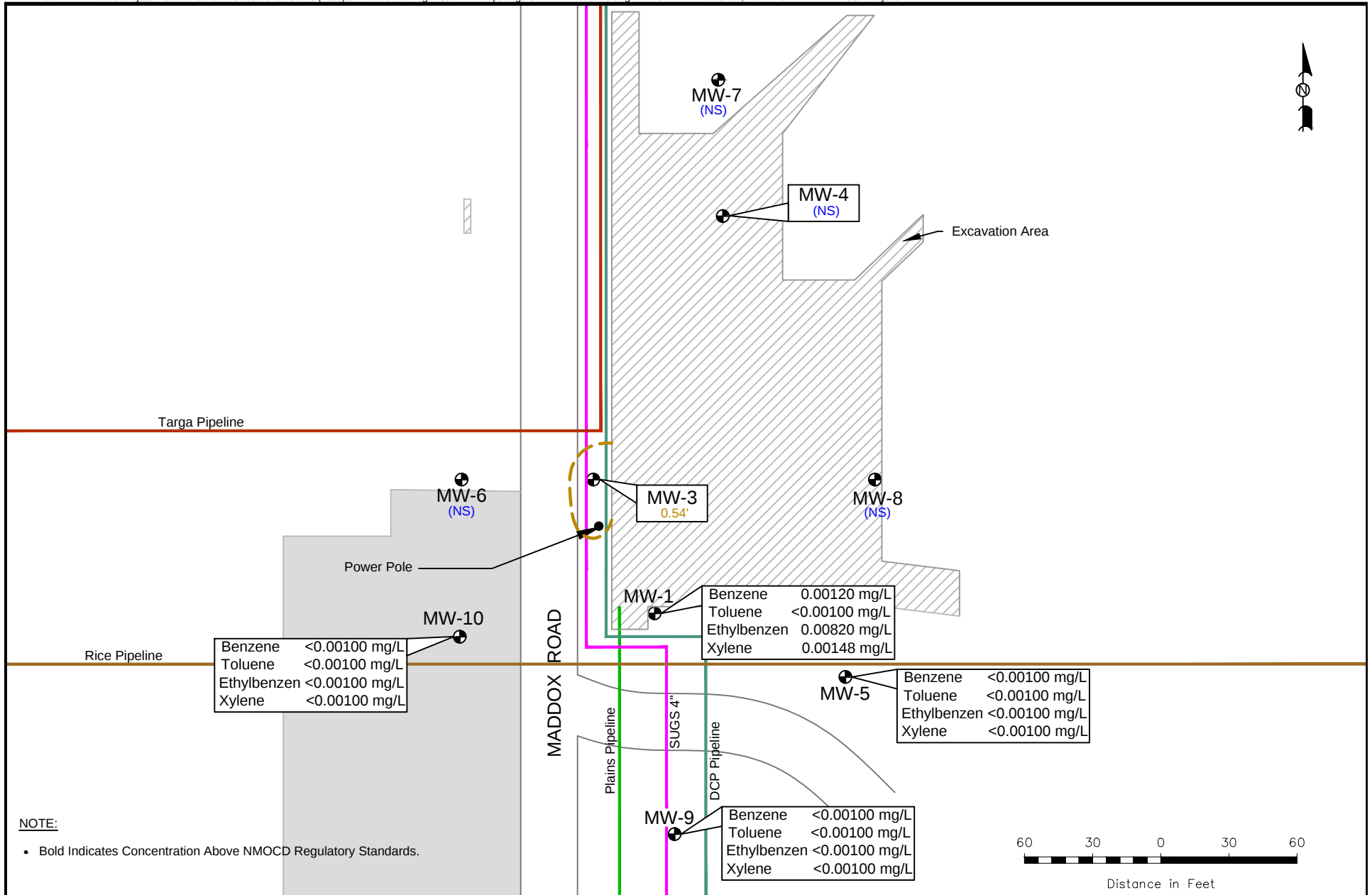


Figure 2D
 Inferred Groundwater
 Gradient Map
 (11/28/2016)
 Plains Marketing, L.P.
 Monument 18
 NMOC Reference # 1RP-124-0
 Lea County, NM

Scale: 1" = 100'	
CAD By: TA	Checked By: CS
Draft: December 20, 2016	
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TRC Proj. No.: 014172	





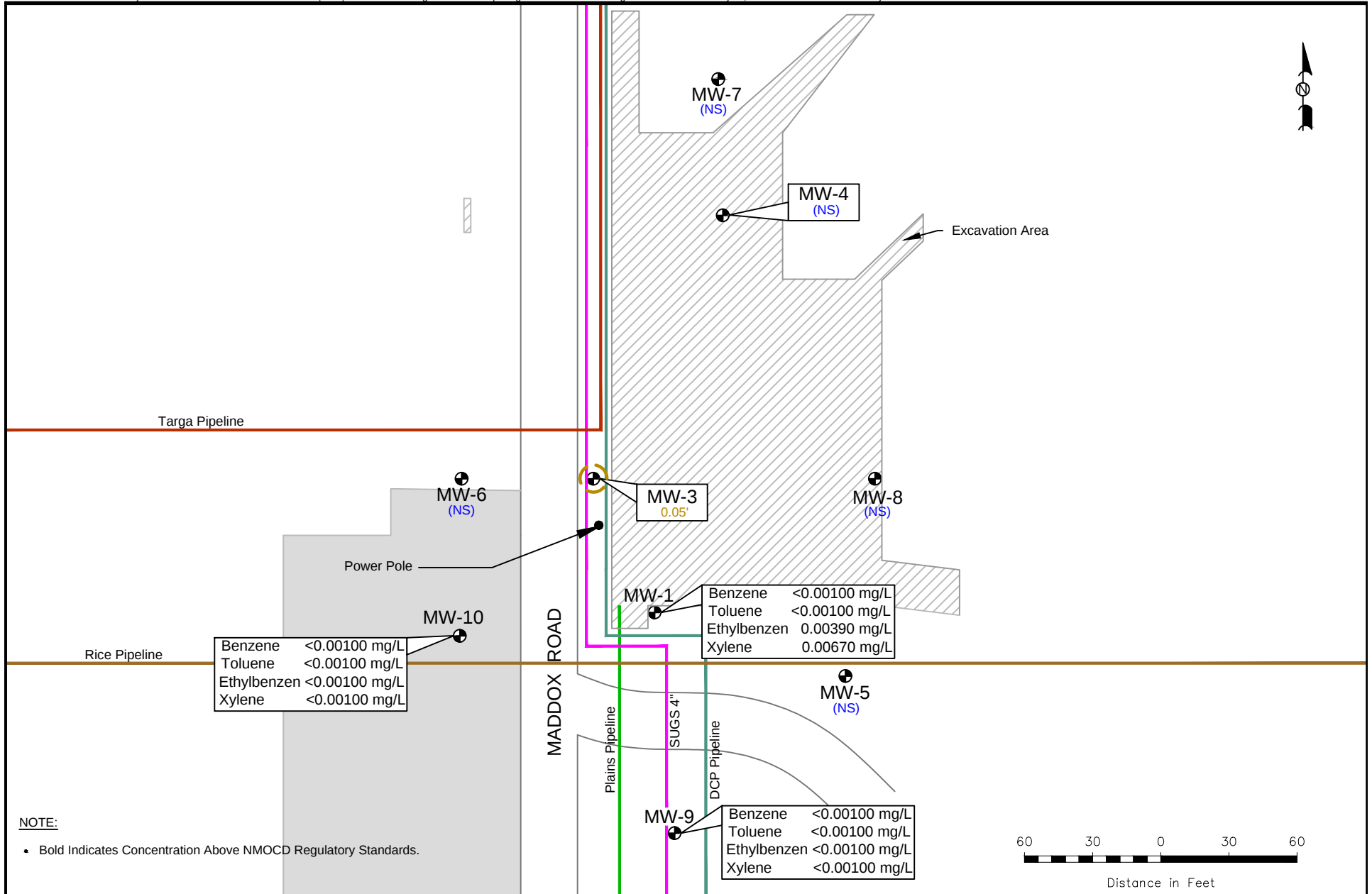
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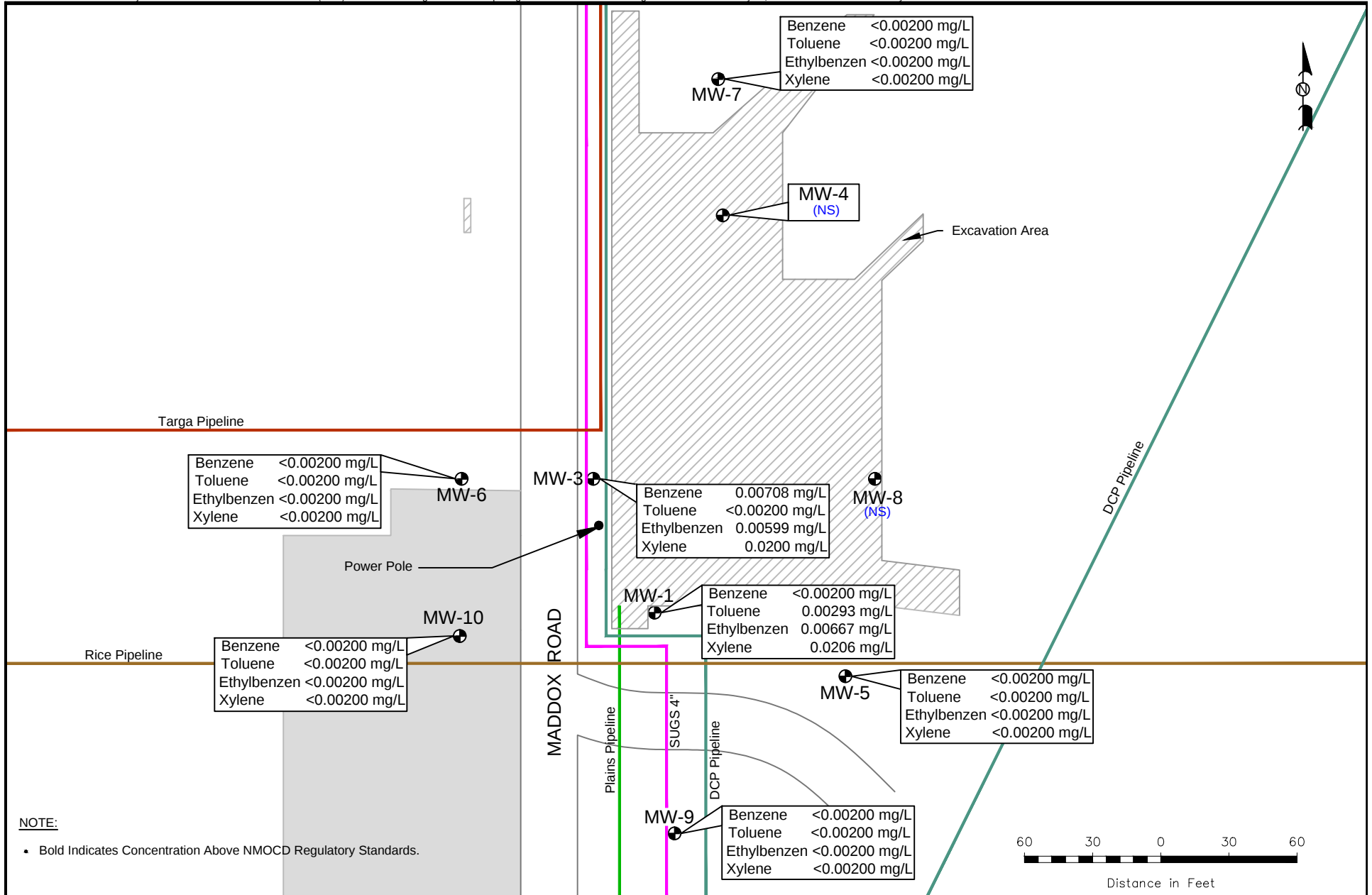
- | | | | |
|------|-----------------------|--------|----------------------------------|
| | Monitor Well Location | <0.001 | Constituent Concentration (mg/L) |
| | Plugged and Abandoned | 0.39' | Thickness of PSH (feet) |
| | Inferred PSH Extent | | Excavation Area |
| (NS) | Not Sampled | | Trenched Area |

Figure 3B
Groundwater Concentration
and Inferred PSH Extent Map
(5/17/2016)
Plains Marketing, L.P.
Monument 18
NMOCD Reference # 1RP-124-0
Lea County, NM

Scale: 1" = 60'	
CAD By: TA	Checked By: CS
Draft: May 27, 2016	
Lat. N 32.591869°, Long. W 103.298961°	
NW1/4 NW1/4 Sec 7 T20S R37E	
TRC Proj. No.: 014172	







LEGEND:

- | | | | |
|------|-----------------------|--------|----------------------------------|
| | Monitor Well Location | <0.001 | Constituent Concentration (mg/L) |
| | Plugged and Abandoned | 0.39' | Thickness of PSH (feet) |
| | Inferred PSH Extent | | Excavation Area |
| (NS) | Not Sampled | | Trenched Area |

Figure 3D
Groundwater Concentration
and Inferred PSH Extent Map
(11/28/2016)
Plains Marketing, L.P.
Monument 18
NMOCD Reference # 1RP-124-0
Lea County, NM

Scale: 1" = 60'	
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TRC Proj. No.: 014172	



Tables

TABLE 1**2016 GROUNDWATER ELEVATION DATA**

**PLAINS MAREKTING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124**

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	01/05/16	3,558.71	32.50	32.71	0.21	3,526.18
MW - 1	01/14/16	3,558.71	32.49	32.68	0.19	3,526.19
MW - 1	01/19/16	3,558.71	32.52	32.65	0.13	3,526.17
MW - 1	01/29/16	3,558.71	32.52	32.64	0.12	3,526.17
MW - 1	02/01/16	3,558.71	32.49	32.61	0.12	3,526.20
MW - 1	02/11/16	3,558.71	32.51	32.62	0.11	3,526.18
MW - 1	02/16/16	3,558.71	32.49	32.60	0.11	3,526.20
MW - 1	03/02/16	3,558.71	32.46	32.61	0.15	3,526.23
MW - 1	03/11/16	3,558.71	32.47	32.54	0.07	3,526.23
MW - 1	03/15/16	3,558.71	32.49	32.53	0.04	3,526.21
MW - 1	03/30/16	3,558.71	-	32.48	0.00	3,526.23
MW - 1	04/06/16	3,558.71	-	32.49	0.00	3,526.22
MW - 1	04/14/16	3,558.71	-	32.46	0.00	3,526.25
MW - 1	04/20/16	3,558.71	-	32.45	0.00	3,526.26
MW - 1	04/26/16	3,558.71	-	32.44	0.00	3,526.27
MW - 1	05/02/16	3,558.71	-	32.47	0.00	3,526.24
MW - 1	05/17/16	3,558.71	-	32.42	0.00	3,526.29
MW - 1	05/27/16	3,558.71	-	32.50	0.00	3,526.21
MW - 1	06/03/16	3,558.71	-	32.45	0.00	3,526.26
MW - 1	06/07/16	3,558.71	-	32.45	0.00	3,526.26
MW - 1	06/16/16	3,558.71	-	32.49	0.00	3,526.22
MW - 1	06/20/16	3,558.71	-	32.50	0.00	3,526.21
MW - 1	06/29/16	3,558.71	-	32.55	0.00	3,526.16
MW - 1	07/06/16	3,558.71	-	32.55	0.00	3,526.16
MW - 1	07/11/16	3,558.71	-	32.58	0.00	3,526.13
MW - 1	07/20/16	3,558.71	-	32.64	0.00	3,526.07
MW - 1	07/27/16	3,558.71	-	32.63	0.00	3,526.08
MW - 1	08/04/16	3,558.71	-	32.66	0.00	3,526.05
MW - 1	08/12/16	3,558.71	32.68	32.70	0.02	3,526.03
MW - 1	08/17/16	3,558.71	-	32.67	0.00	3,526.04
MW - 1	08/23/16	3,558.71	-	32.72	0.00	3,525.99
MW - 1	09/02/16	3,558.71	-	32.60	0.00	3,526.11
MW - 1	09/06/16	3,558.71	-	32.60	0.00	3,526.11
MW - 1	09/15/16	3,558.71	-	32.36	0.00	3,526.35
MW - 1	09/20/16	3,558.71	-	32.56	0.00	3,526.15
MW - 1	09/26/16	3,558.71	-	32.62	0.00	3,526.09
MW - 1	10/06/16	3,558.71	-	32.50	0.00	3,526.21
MW - 1	10/10/16	3,558.71	-	32.53	0.00	3,526.18
MW - 1	10/18/16	3,558.71	-	32.53	0.00	3,526.18

TABLE 1**2016 GROUNDWATER ELEVATION DATA**

**PLAINS MAREKTING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124**

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	10/25/16	3,558.71	-	32.51	0.00	3,526.20
MW - 1	11/01/16	3,558.71	-	32.51	0.00	3,526.20
MW - 1	11/11/16	3,558.71	-	32.50	0.00	3,526.21
MW - 1	11/18/16	3,558.71	-	32.50	0.00	3,526.21
MW - 1	11/28/16	3,558.71	-	32.46	0.00	3,526.25
MW - 1	12/09/16	3,558.71	-	32.46	0.00	3,526.25
MW - 1	12/14/16	3,558.71	-	32.42	0.00	3,526.29
MW - 1	12/19/16	3,558.71	-	32.46	0.00	3,526.25
MW - 1	12/27/16	3,558.71	-	32.42	0.00	3,526.29
MW - 3	01/05/16	3,558.53	32.24	32.55	0.31	3,526.24
MW - 3	01/14/16	3,558.53	32.23	32.54	0.31	3,526.25
MW - 3	01/19/16	3,558.53	32.27	32.40	0.13	3,526.24
MW - 3	01/29/16	3,558.53	32.26	32.55	0.29	3,526.23
MW - 3	02/01/16	3,558.53	32.20	32.64	0.44	3,526.26
MW - 3	02/11/16	3,558.53	32.20	32.72	0.52	3,526.25
MW - 3	02/16/16	3,558.53	32.20	32.70	0.50	3,526.26
MW - 3	03/03/16	3,558.53	32.15	32.85	0.70	3,526.28
MW - 3	03/11/16	3,558.53	32.16	32.75	0.59	3,526.28
MW - 3	03/15/16	3,558.53	32.21	32.61	0.40	3,526.26
MW - 3	03/30/16	3,558.53	32.15	32.71	0.56	3,526.30
MW - 3	04/06/16	3,558.53	32.15	32.64	0.49	3,526.31
MW - 3	04/14/16	3,558.53	32.12	32.74	0.62	3,526.32
MW - 3	04/20/16	3,558.53	32.10	32.78	0.68	3,526.33
MW - 3	04/26/16	3,558.53	32.12	32.58	0.46	3,526.34
MW - 3	05/02/16	3,558.53	32.15	32.61	0.46	3,526.31
MW - 3	05/17/16	3,558.53	32.12	32.66	0.54	3,526.33
MW - 3	05/27/16	3,558.53	32.11	32.75	0.64	3,526.32
MW - 3	06/03/16	3,558.53	32.13	32.60	0.47	3,526.33
MW - 3	06/07/16	3,558.53	32.15	32.53	0.38	3,526.32
MW - 3	06/16/16	3,558.53	32.16	32.69	0.53	3,526.29
MW - 3	06/20/16	3,558.53	32.21	32.55	0.34	3,526.27
MW - 3	06/29/16	3,558.53	32.24	32.72	0.48	3,526.22
MW - 3	07/06/16	3,558.53	32.27	32.56	0.29	3,526.22
MW - 3	07/11/16	3,558.53	32.30	32.44	0.14	3,526.21
MW - 3	07/20/16	3,558.53	32.37	32.47	0.10	3,526.15
MW - 3	07/27/16	3,558.53	32.37	32.41	0.04	3,526.15
MW - 3	08/04/16	3,558.53	32.39	32.44	0.05	3,526.13
MW - 3	08/12/16	3,558.53	32.41	32.51	0.10	3,526.11

TABLE 1

2016 GROUNDWATER ELEVATION DATA

PLAINS MAREKTING, L.P.
 MONUMENT 18
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE NUMBER 1R-0124

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 3	08/17/16	3,558.53	32.42	32.43	0.01	3,526.11
MW - 3	08/23/16	3,558.53	-	32.46	0.00	3,526.07
MW - 3	09/02/16	3,558.53	-	32.33	0.00	3,526.20
MW - 3	09/06/16	3,558.53	-	32.40	0.00	3,526.13
MW - 3	09/15/16	3,558.53	-	32.67	0.00	3,525.86
MW - 3	09/20/16	3,558.53	-	32.30	0.00	3,526.23
MW - 3	09/26/16	3,558.53	-	32.35	0.00	3,526.18
MW - 3	10/06/16	3,558.53	-	32.31	0.00	3,526.22
MW - 3	10/10/16	3,558.53	-	32.30	0.00	3,526.23
MW - 3	10/18/16	3,558.53	-	32.28	0.00	3,526.25
MW - 3	10/25/16	3,558.53	-	32.24	0.00	3,526.29
MW - 3	11/01/16	3,558.53	-	32.24	0.00	3,526.29
MW - 3	11/11/16	3,558.53	32.20	32.21	0.01	3,526.33
MW - 3	11/18/16	3,558.53	-	32.26	0.00	3,526.27
MW - 3	11/28/16	3,558.53	-	32.18	0.00	3,526.35
MW - 3	12/09/16	3,558.53	-	32.19	0.00	3,526.34
MW - 3	12/14/16	3,558.53	-	32.19	0.00	3,526.34
MW - 3	12/19/16	3,558.53	-	32.18	0.00	3,526.35
MW - 3	12/27/16	3,558.53	-	32.18	0.00	3,526.35
MW - 4	02/01/16	-	-	-	-	-
MW - 4	5/17/16	-	-	-	-	-
MW - 4	08/03/16	-	-	-	-	-
MW - 4	11/28/16	-	-	-	-	-
MW - 5	01/29/16	3,560.07	-	34.02	0.00	3,526.05
MW - 5	02/01/16	3,560.07	-	34.00	0.00	3,526.07
MW - 5	04/14/16	3,560.07	-	33.94	0.00	3,526.13
MW - 5	05/17/16	3,560.07	-	33.92	0.00	3,526.15
MW - 5	06/29/16	3,560.07	-	34.03	0.00	3,526.04
MW - 5	07/20/16	3,560.07	-	34.11	0.00	3,525.96
MW - 5	08/04/16	3,560.07	-	34.16	0.00	3,525.91
MW - 5	09/26/16	3,560.07	-	34.08	0.00	3,525.99
MW - 5	10/18/16	3,560.07	-	34.01	0.00	3,526.06
MW - 5	11/28/16	3,560.07	-	33.94	0.00	3,526.13
MW - 5	12/27/16	3,560.07	-	33.90	0.00	3,526.17
MW - 6	01/29/16	3,557.64	-	31.33	0.00	3,526.31
MW - 6	02/01/16	3,557.64	-	31.31	0.00	3,526.33

TABLE 1

2016 GROUNDWATER ELEVATION DATA

PLAINS MAREKTING, L.P.
 MONUMENT 18
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE NUMBER 1R-0124

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 6	02/11/16	3,557.64	-	31.31	0.00	3,526.33
MW - 6	04/14/16	3,557.64	-	31.24	0.00	3,526.40
MW - 6	05/17/16	3,557.64	-	31.23	0.00	3,526.41
MW - 6	06/29/16	3,557.64	-	31.34	0.00	3,526.30
MW - 6	07/20/16	3,557.64	-	31.43	0.00	3,526.21
MW - 6	08/04/16	3,557.64	-	31.46	0.00	3,526.18
MW - 6	09/26/16	3,557.64	-	31.39	0.00	3,526.25
MW - 6	10/18/16	3,557.64	-	31.32	0.00	3,526.32
MW - 6	11/28/16	3,557.64	-	31.24	0.00	3,526.40
MW - 6	12/27/16	3,557.64	-	31.21	0.00	3,526.43
MW - 7	01/29/16	3,558.65	-	32.26	0.00	3,526.39
MW - 7	02/01/16	3,558.65	-	32.23	0.00	3,526.42
MW - 7	04/14/16	3,558.65	-	32.16	0.00	3,526.49
MW - 7	05/17/16	3,558.65	-	32.15	0.00	3,526.50
MW - 7	06/29/16	3,558.65	-	32.26	0.00	3,526.39
MW - 7	07/20/16	3,558.65	-	32.35	0.00	3,526.30
MW - 7	08/04/16	3,558.65	-	32.39	0.00	3,526.26
MW - 7	09/26/16	3,558.65	-	32.31	0.00	3,526.34
MW - 7	10/18/16	3,558.65	-	32.23	0.00	3,526.42
MW - 7	11/28/16	3,558.65	-	32.14	0.00	3,526.51
MW - 7	12/27/16	3,558.65	-	32.14	0.00	3,526.51
MW - 8	02/01/16	-	-	-	-	-
MW - 8	5/17/16	-	-	-	-	-
MW - 8	08/03/16	-	-	-	-	-
MW - 8	11/28/16	-	-	-	-	-
MW - 9	01/29/16	3,559.94	-	33.86	0.00	3,526.08
MW - 9	02/01/16	3,559.94	-	33.83	0.00	3,526.11
MW - 9	04/14/16	3,559.94	-	33.79	0.00	3,526.15
MW - 9	05/17/16	3,559.94	-	33.75	0.00	3,526.19
MW - 9	06/29/16	3,559.94	-	33.86	0.00	3,526.08
MW - 9	07/20/16	3,559.94	-	33.96	0.00	3,525.98
MW - 9	08/04/16	3,559.94	-	33.87	0.00	3,526.07
MW - 9	09/26/16	3,559.94	-	33.90	0.00	3,526.04
MW - 9	10/18/16	3,559.94	-	33.84	0.00	3,526.10
MW - 9	11/28/16	3,559.94	-	33.75	0.00	3,526.19
MW - 9	12/27/16	3,559.94	-	33.74	0.00	3,526.20

TABLE 1**2016 GROUNDWATER ELEVATION DATA**

**PLAINS MAREKTING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124**

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 10	01/29/16	3,558.06	-	31.86	0.00	3,526.20
MW - 10	02/01/16	3,558.06	-	31.82	0.00	3,526.24
MW - 10	04/14/16	3,558.06	-	31.76	0.00	3,526.30
MW - 10	05/17/16	3,558.06	-	31.74	0.00	3,526.32
MW - 10	06/29/16	3,558.06	-	31.86	0.00	3,526.20
MW - 10	07/20/16	3,558.06	-	31.94	0.00	3,526.12
MW - 10	08/04/16	3,558.06	-	31.98	0.00	3,526.08
MW - 10	09/26/16	3,558.06	-	31.91	0.00	3,526.15
MW - 10	10/18/16	3,558.06	-	31.83	0.00	3,526.23
MW - 10	11/28/16	3,558.06	-	31.75	0.00	3,526.31
MW - 10	12/27/16	3,558.06	-	31.72	0.00	3,526.34

TABLE 2
2016 CONCENTRATIONS OF BTEX IN GROUNDWATER
PLAINS MARKETING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 1	02/01/16	Not Sampled due to PSH in Well				
MW - 1	05/17/16	0.00120	<0.00100	0.00820	0.0148	
MW - 1	08/04/16	<0.00100	<0.00100	0.00390	0.00670	
MW - 1	11/28/16	<0.00200	0.00293	0.00667	0.0206	
MW - 3	02/01/16	Not Sampled due to PSH in Well				
MW - 3	05/17/16	Not Sampled due to PSH in Well				
MW - 3	08/04/16	Not Sampled due to PSH in Well				
MW - 3	11/28/16	0.00708	<0.00200	0.00599	0.0200	
MW - 4	02/01/16	Temporarily Excavated				
MW - 4	05/17/16	Temporarily Excavated				
MW - 4	08/04/16	Temporarily Excavated				
MW - 4	11/28/16	Temporarily Excavated				
MW - 5	02/01/16	Not Sampled on Current Sample Schedule				
MW - 5	05/17/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 5	08/04/16	Not Sampled on Current Sample Schedule				
MW - 5	11/28/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 6	02/01/16	Not Sampled on Current Sample Schedule				
MW - 6	05/17/16	Not Sampled on Current Sample Schedule				
MW - 6	08/04/16	Not Sampled on Current Sample Schedule				
MW - 6	11/28/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 7	02/01/16	Not Sampled on Current Sample Schedule				
MW - 7	05/17/16	Not Sampled on Current Sample Schedule				
MW - 7	08/04/16	Not Sampled on Current Sample Schedule				
MW - 7	11/28/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 8	02/01/16	Not Sampled on Current Sample Schedule				
MW - 8	05/17/16	Not Sampled on Current Sample Schedule				
MW - 8	08/04/16	Not Sampled on Current Sample Schedule				
MW - 8	11/28/16	Temporarily Excavated				
MW - 9	02/01/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 9	05/17/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 9	08/04/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 9	11/28/16	<0.00200	<0.00200	<0.00200	<0.00200	

TABLE 2**2016 CONCENTRATIONS OF BTEX IN GROUNDWATER****PLAINS MARKETING, L.P.****MONUMENT 18****LEA COUNTY, NEW MEXICO****NMOCD REFERENCE NUMBER 1R-0124***All concentrations are reported in mg/L.*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 10	02/01/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 10	05/18/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 10	08/04/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 10	11/28/16	<0.00200	<0.00200	<0.00200	<0.00200	

TABLE 3

2016 POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
 MONUMENT 18
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE NUMBER 1R-0124

All water concentrations are reported in mg/L.

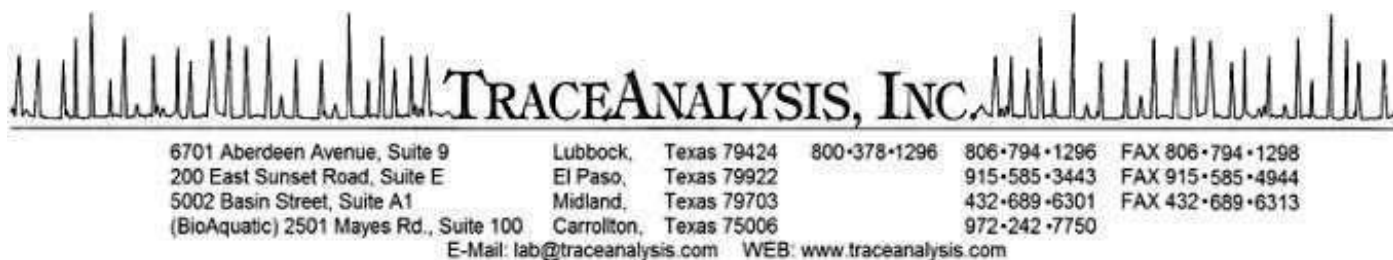
SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	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	11/28/16	0.00299	0.00110	0.00687	0.00172	0.000314	0.000540	0.000490	0.000482	0.00120	0.000461	0.000340	0.00859	0.000376	0.00616	<0.000277	0.00344		0.00571	
MW-3	11/28/16	0.00318	0.00140	0.00317	0.00270	0.000470	0.000536	0.000622	<0.000274	0.00215	0.000524	0.000591	0.00924	0.000440	0.0149	0.000415	0.00707		0.00658	
MW-4	11/28/16	Not Sampled due to Excavation Activities																		
MW-5	11/28/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-6	11/28/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-7	11/28/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-8	11/28/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-9	11/28/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-10	11/28/16	Not Sampled as part of Quarterly Monitoring Event.																		

TABLE 4
TDS and CHLORIDE CONCENTRATIONS IN GROUNDWATER
PLAINS MARKETING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	EPA 160.1	EPA 300.0
		TDS	CHLORIDE
NMOCD REGULATORY GUIDELINE		1,000	250
MW - 1	02/01/16	13,400	7,550
MW - 2	05/02/97	16,300	757
MW - 3	05/02/97	17,200	7,680
MW - 3	02/01/16	14,300	6,910
MW - 5	09/19/97	23,000	5,100
MW - 5	02/01/16	12,100	6,590
MW - 6	09/19/97	22,000	8,600
MW - 6	02/01/16	12,900	7,070
MW - 7	08/18/98	19,200	11,100
MW - 7	02/01/16	11,800	5,820
MW - 8	08/18/98	19,900	22,600
MW - 9	02/01/16	12,500	6,590
MW-10	02/01/16	12,200	6,230

Laboratory Reports



Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Curt Stanley
TRC Solutions
2057 Commerce
Midland, Tx, 79703

Report Date: February 11, 2016

Work Order: 16020201



Project Location: Lea Co, NM
Project Name: Monument 18
Project Number: TNM-Monument 18

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
413358	MW 9	water	2016-02-01	14:46	2016-02-02
413359	MW 10	water	2016-02-01	15:10	2016-02-02

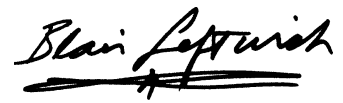
These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

TraceAnalysis, Inc. uses the attached chain of custody (COC) as the laboratory check-in documentation which includes sample receipt, temperature, sample preservation method and condition, collection date and time, testing requested, company, sampler, contacts and any special remarks.

This report consists of a total of 11 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Notes:

For inorganic analyses, the term MQL should actually read PQL.

A handwritten signature in black ink, reading "Blair Leftwich". The signature is written in a cursive style with a prominent flourish at the end.

Dr. Blair Leftwich, Director
James Taylor, Assistant Director
Brian Pellam, Operations Manager

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Case Narrative

Samples for project Monument 18 were received by TraceAnalysis, Inc. on 2016-02-02 and assigned to work order 16020201. Samples for work order 16020201 were received intact at a temperature of 0.8 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	108403	2016-02-08 at 10:38	128077	2016-02-10 at 07:21

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 16020201 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: 413358 - MW 9

Laboratory: Midland

Analysis: BTEX

QC Batch: 128077

Prep Batch: 108403

Analytical Method: S 8021B

Date Analyzed: 2016-02-10

Sample Preparation: 2016-02-08

Prep Method: S 5030B

Analyzed By: AK

Prepared By: AK

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Benzene	U	1	<0.000504	<0.00100	<0.000504	mg/L	1	0.000504	0.001	0.000504
Toluene	U	1	<0.000621	<0.00100	<0.000621	mg/L	1	0.000621	0.001	0.000621
Ethylbenzene	U	1	<0.000763	<0.00100	<0.000763	mg/L	1	0.000763	0.001	0.000763
Xylene	U	1	<0.000256	<0.00100	<0.000256	mg/L	1	0.000256	0.001	0.000256

Surrogate	F	C	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)			0.0814	mg/L	1	0.100	81	70 - 130

Sample: 413359 - MW 10

Laboratory: Midland

Analysis: BTEX

QC Batch: 128077

Prep Batch: 108403

Analytical Method: S 8021B

Date Analyzed: 2016-02-10

Sample Preparation: 2016-02-08

Prep Method: S 5030B

Analyzed By: AK

Prepared By: AK

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Benzene	U	1	<0.000504	<0.00100	<0.000504	mg/L	1	0.000504	0.001	0.000504
Toluene	U	1	<0.000621	<0.00100	<0.000621	mg/L	1	0.000621	0.001	0.000621
Ethylbenzene	U	1	<0.000763	<0.00100	<0.000763	mg/L	1	0.000763	0.001	0.000763
Xylene	U	1	<0.000256	<0.00100	<0.000256	mg/L	1	0.000256	0.001	0.000256

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0997	mg/L	1	0.100	100	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0929	mg/L	1	0.100	93	70 - 130

Method Blanks

Method Blank (1)

QC Batch: 128077
Prep Batch: 108403

Date Analyzed: 2016-02-10
QC Preparation: 2016-02-08

Analyzed By: AK
Prepared By: AK

Parameter	F	C	Result	Units	Reporting Limits
Benzene		1	<0.000504	mg/L	0.000504
Toluene		1	<0.000621	mg/L	0.000621
Ethylbenzene		1	<0.000763	mg/L	0.000763
Xylene		1	<0.000256	mg/L	0.000256

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0916	mg/L	1	0.100	92	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0905	mg/L	1	0.100	90	70 - 130

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 128077
Prep Batch: 108403

Date Analyzed: 2016-02-10
QC Preparation: 2016-02-08

Analyzed By: AK
Prepared By: AK

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.104	mg/L	1	0.100	<0.000504	104	70 - 130
Toluene		1	0.0924	mg/L	1	0.100	<0.000621	92	70 - 130
Ethylbenzene		1	0.112	mg/L	1	0.100	<0.000763	112	70 - 130
Xylene		1	0.278	mg/L	1	0.300	<0.000256	93	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	0.0995	mg/L	1	0.100	<0.000504	100	70 - 130	4	20
Toluene		1	0.0867	mg/L	1	0.100	<0.000621	87	70 - 130	6	20
Ethylbenzene		1	0.106	mg/L	1	0.100	<0.000763	106	70 - 130	6	20
Xylene		1	0.268	mg/L	1	0.300	<0.000256	89	70 - 130	4	20

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

Surrogate	F	C	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)			0.0898	0.0984	mg/L	1	0.100	90	98	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0869	0.0915	mg/L	1	0.100	87	92	70 - 130

Matrix Spikes

Matrix Spike (MS-1) Spiked Sample: 413580

QC Batch: 128077
Prep Batch: 108403

Date Analyzed: 2016-02-10
QC Preparation: 2016-02-08

Analyzed By: AK
Prepared By: AK

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.0962	mg/L	1	0.100	<0.000504	96	70 - 130
Toluene		1	0.0818	mg/L	1	0.100	<0.000621	82	70 - 130
Ethylbenzene		1	0.100	mg/L	1	0.100	<0.000763	100	70 - 130
Xylene		1	0.252	mg/L	1	0.300	<0.000256	84	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	0.102	mg/L	1	0.100	<0.000504	102	70 - 130	6	20
Toluene		1	0.0926	mg/L	1	0.100	<0.000621	93	70 - 130	12	20
Ethylbenzene		1	0.114	mg/L	1	0.100	<0.000763	114	70 - 130	13	20
Xylene		1	0.282	mg/L	1	0.300	<0.000256	94	70 - 130	11	20

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

Surrogate	F	C	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)			0.0924	0.0951	mg/L	1	0.1	92	95	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0929	0.0899	mg/L	1	0.1	93	90	70 - 130

Calibration Standards

Standard (CCV-1)

QC Batch: 128077

Date Analyzed: 2016-02-10

Analyzed By: AK

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.104	104	80 - 120	2016-02-10
Toluene		1	mg/L	0.100	0.0915	92	80 - 120	2016-02-10
Ethylbenzene		1	mg/L	0.100	0.111	111	80 - 120	2016-02-10
Xylene		1	mg/L	0.300	0.274	91	80 - 120	2016-02-10

Standard (CCV-2)

QC Batch: 128077

Date Analyzed: 2016-02-10

Analyzed By: AK

Param	F	C	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	2016-02-10
Toluene		1	mg/L	0.100	0.0911	91	80 - 120	2016-02-10
Ethylbenzene		1	mg/L	0.100	0.110	110	80 - 120	2016-02-10
Xylene		1	mg/L	0.300	0.270	90	80 - 120	2016-02-10

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike	Pass
					Amount	
BTEX	S 8021B	water	BTEX-2	Benzene	0.000500	Pass
BTEX	S 8021B	water	BTEX-2	Toluene	0.000500	Pass
BTEX	S 8021B	water	BTEX-2	Ethylbenzene	0.000500	Pass
BTEX	S 8021B	water	BTEX-2	Xylene	0.000500	Pass

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	T104704392-14-8	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.



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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

Curt Stanley
TRC Solutions
2057 Commerce
Midland, Tx, 79703

Report Date: February 12, 2016

Work Order: 16020202



Project Location: Lea Co, NM
Project Name: Monument 18
Project Number: TNM-Monument 18

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
413360	MW 6	water	2016-02-01	13:30	2016-02-02
413361	MW 7	water	2016-02-01	14:00	2016-02-02
413362	MW 5	water	2016-02-01	14:22	2016-02-02
413363	MW 9	water	2016-02-01	14:46	2016-02-02
413364	MW 10	water	2016-02-01	15:10	2016-02-02
413365	MW 3	water	2016-02-01	15:35	2016-02-02
413366	MW 1	water	2016-02-01	15:56	2016-02-02

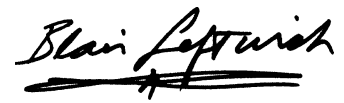
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Dr. Blair Leftwich, Director
James Taylor, Assistant Director
Brian Pellam, Operations Manager

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Case Narrative

Samples for project Monument 18 were received by TraceAnalysis, Inc. on 2016-02-02 and assigned to work order 16020202. Samples for work order 16020202 were received intact at a temperature of 0.8 C.

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

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Chloride (IC)	E 300.0	108400	2016-02-04 at 11:00	128024	2016-02-04 at 13:29
Chloride (IC)	E 300.0	108507	2016-02-11 at 09:30	128151	2016-02-11 at 10:16
TDS	SM 2540C	108327	2016-02-03 at 14:37	128007	2016-02-03 at 14:30

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 16020202 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: 413360 - MW 6

Laboratory: Lubbock
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 128024 Date Analyzed: 2016-02-04 Analyzed By: RL
Prep Batch: 108400 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,2,3,4,6	7070	7070	<162	mg/L	500	162	2.5	0.323

Sample: 413360 - MW 6

Laboratory: Lubbock
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 128007 Date Analyzed: 2016-02-03 Analyzed By: LQ
Prep Batch: 108327 Sample Preparation: Prepared By: LQ

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,2,3,4,6	12900	12900	<500	mg/L	200	500	2.5	2.5

Sample: 413361 - MW 7

Laboratory: Lubbock
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 128024 Date Analyzed: 2016-02-04 Analyzed By: RL
Prep Batch: 108400 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,2,3,4,6	5820	5820	<162	mg/L	500	162	2.5	0.323

Sample: 413361 - MW 7

Laboratory: Lubbock
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A

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QC Batch: 128007 Date Analyzed: 2016-02-03 Analyzed By: LQ
Prep Batch: 108327 Sample Preparation: Prepared By: LQ

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,2,3,4,6	11800	11800	<500	mg/L	200	500	2.5	2.5

Sample: 413362 - MW 5

Laboratory: Lubbock
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 128024 Date Analyzed: 2016-02-04 Analyzed By: RL
Prep Batch: 108400 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,2,3,4,6	6590	6590	<162	mg/L	500	162	2.5	0.323

Sample: 413362 - MW 5

Laboratory: Lubbock
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 128007 Date Analyzed: 2016-02-03 Analyzed By: LQ
Prep Batch: 108327 Sample Preparation: Prepared By: LQ

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,2,3,4,6	12100	12100	<500	mg/L	200	500	2.5	2.5

Sample: 413363 - MW 9

Laboratory: Lubbock
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 128024 Date Analyzed: 2016-02-04 Analyzed By: RL
Prep Batch: 108400 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,2,3,4,6	6590	6590	<162	mg/L	500	162	2.5	0.323

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Sample: 413363 - MW 9

Laboratory: Lubbock
Analysis: TDS
QC Batch: 128007
Prep Batch: 108327

Analytical Method: SM 2540C
Date Analyzed: 2016-02-03
Sample Preparation:

Prep Method: N/A
Analyzed By: LQ
Prepared By: LQ

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,2,3,4,6	12500	12500	<500	mg/L	200	500	2.5	2.5

Sample: 413364 - MW 10

Laboratory: Lubbock
Analysis: Chloride (IC)
QC Batch: 128024
Prep Batch: 108400

Analytical Method: E 300.0
Date Analyzed: 2016-02-04
Sample Preparation:

Prep Method: N/A
Analyzed By: RL
Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		1,2,3,4,6	6230	6230	<162	mg/L	500	162	2.5	0.323

Sample: 413364 - MW 10

Laboratory: Lubbock
Analysis: TDS
QC Batch: 128007
Prep Batch: 108327

Analytical Method: SM 2540C
Date Analyzed: 2016-02-03
Sample Preparation:

Prep Method: N/A
Analyzed By: LQ
Prepared By: LQ

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,2,3,4,6	12200	12200	<500	mg/L	200	500	2.5	2.5

Sample: 413365 - MW 3

Laboratory: Lubbock
Analysis: Chloride (IC)
QC Batch: 128151
Prep Batch: 108507

Analytical Method: E 300.0
Date Analyzed: 2016-02-11
Sample Preparation:

Prep Method: N/A
Analyzed By: RL
Prepared By: RL

Report Date: February 12, 2016
TNM-Monument 18

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Monument 18

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Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,2,3,4,6	6910	6910	<162	mg/L	500	162	2.5	0.323

Sample: 413365 - MW 3

Laboratory: Lubbock
Analysis: TDS
QC Batch: 128007
Prep Batch: 108327

Analytical Method: SM 2540C
Date Analyzed: 2016-02-03
Sample Preparation:

Prep Method: N/A
Analyzed By: LQ
Prepared By: LQ

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,2,3,4,6	14300	14300	<500	mg/L	200	500	2.5	2.5

Sample: 413366 - MW 1

Laboratory: Lubbock
Analysis: Chloride (IC)
QC Batch: 128151
Prep Batch: 108507

Analytical Method: E 300.0
Date Analyzed: 2016-02-11
Sample Preparation:

Prep Method: N/A
Analyzed By: RL
Prepared By: RL

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,2,3,4,6	7550	7550	<162	mg/L	500	162	2.5	0.323

Sample: 413366 - MW 1

Laboratory: Lubbock
Analysis: TDS
QC Batch: 128007
Prep Batch: 108327

Analytical Method: SM 2540C
Date Analyzed: 2016-02-03
Sample Preparation:

Prep Method: N/A
Analyzed By: LQ
Prepared By: LQ

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,2,3,4,6	13400	13400	<500	mg/L	200	500	2.5	2.5

Method Blanks

Method Blank (1)

QC Batch: 128007
Prep Batch: 108327

Date Analyzed: 2016-02-03
QC Preparation: 2016-02-03

Analyzed By: LQ
Prepared By: LQ

Parameter	F	C	Result	Units	Reporting Limits
Total Dissolved Solids		1,2,3,4,6	<25.0	mg/L	2.5

Method Blank (1)

QC Batch: 128024
Prep Batch: 108400

Date Analyzed: 2016-02-04
QC Preparation: 2016-02-04

Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Chloride		1,2,3,4,6	<0.323	mg/L	0.323

Method Blank (1)

QC Batch: 128151
Prep Batch: 108507

Date Analyzed: 2016-02-11
QC Preparation: 2016-02-11

Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Chloride		1,2,3,4,6	<0.323	mg/L	0.323

Duplicates

Duplicate (1) Duplicated Sample: 413131

QC Batch:	128007	Date Analyzed:	2016-02-03	Analyzed By:	LQ
Prep Batch:	108327	QC Preparation:	2016-02-03	Prepared By:	LQ

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,2,3,4,6	1370	1300	mg/L	20	5	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 128007
Prep Batch: 108327

Date Analyzed: 2016-02-03
QC Preparation: 2016-02-03

Analyzed By: LQ
Prepared By: LQ

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids		1,2,3,4,6	997	mg/L	10	1000	<25.0	100	90 - 110

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
Total Dissolved Solids		1,2,3,4,6	1010	mg/L	10	1000	<25.0	101	90 - 110	1	10

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

Laboratory Control Spike (LCS-1)

QC Batch: 128024
Prep Batch: 108400

Date Analyzed: 2016-02-04
QC Preparation: 2016-02-04

Analyzed By: RL
Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,2,3,4,6	25.9	mg/L	1	25.0	<0.323	104	90 - 110

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
Chloride		1,2,3,4,6	25.9	mg/L	1	25.0	<0.323	104	90 - 110	0	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 128151
Prep Batch: 108507

Date Analyzed: 2016-02-11
QC Preparation: 2016-02-11

Analyzed By: RL
Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,2,3,4,6	25.5	mg/L	1	25.0	<0.323	102	90 - 110

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

Report Date: February 12, 2016
TNM-Monument 18

Work Order: 16020202
Monument 18

Page Number: 12 of 17
Lea Co, NM

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		1,2,3,4,6	25.5	mg/L	1	25.0	<0.323	102	90 - 110	0	20

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

Matrix Spikes

Matrix Spike (MS-1) Spiked Sample: 413554

QC Batch: 128024
Prep Batch: 108400

Date Analyzed: 2016-02-04
QC Preparation: 2016-02-04

Analyzed By: RL
Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,2,3,4,6	154	mg/L	5	125	26.3	102	80 - 120

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
Chloride		1,2,3,4,6	150	mg/L	5	125	26.3	99	80 - 120	3	20

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

Matrix Spike (MS-1) Spiked Sample: 414042

QC Batch: 128151
Prep Batch: 108507

Date Analyzed: 2016-02-11
QC Preparation: 2016-02-11

Analyzed By: RL
Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,2,3,4,6	181000	mg/L	5000	125000	51600	104	80 - 120

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
Chloride		1,2,3,4,6	174000	mg/L	5000	125000	51600	98	80 - 120	4	20

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

Calibration Standards

Standard (CCV-1)

QC Batch: 128024

Date Analyzed: 2016-02-04

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,2,3,4,6	mg/L	25.0	25.7	103	90 - 110	2016-02-04

Standard (CCV-2)

QC Batch: 128024

Date Analyzed: 2016-02-04

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,2,3,4,6	mg/L	25.0	25.9	104	90 - 110	2016-02-04

Standard (CCV-1)

QC Batch: 128151

Date Analyzed: 2016-02-11

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,2,3,4,6	mg/L	25.0	25.7	103	90 - 110	2016-02-11

Standard (CCV-2)

QC Batch: 128151

Date Analyzed: 2016-02-11

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,2,3,4,6	mg/L	25.0	25.4	102	90 - 110	2016-02-11

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.400	Pass
TDS	SM 2540C	water	N/A	Total Dissolved Solids	0.00	-

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	L-A-B	L2418	Lubbock
2	Kansas	Kansas E-10317	Lubbock
3	LELAP	LELAP-02003	Lubbock
4	NELAP	T104704219-15-11	Lubbock
5	NELAP	T104704392-14-8	Midland
6		2015-066	Lubbock

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less than 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.

TraceAnalysis, Inc.

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

email: lab@traceanalysis.com

Company Name: TRC
Address: 2051 Commerce
Contact Person: CURT STANLEY
Invoice to: PLAINS (CAMILLE BRYANT)
(If different from above)
Project #: MONUMENT 18
Project Location (including state): LEA COUNTY, NM
Sample Signature: Manned

MTBE	8021 / 602 / 8260 / 624																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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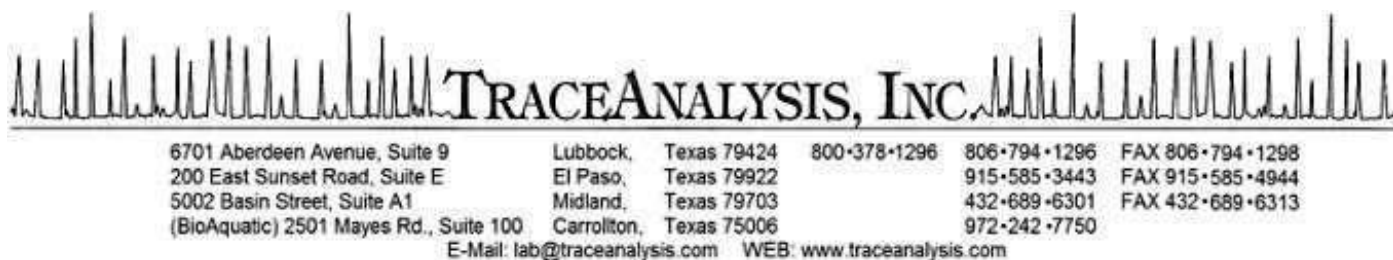
Relinquished by: <u>Manned</u>	Company: <u>TRC</u>	Date: <u>2/2/16</u>	Time: <u>8:47</u>	Received by: <u>NAVELY TA</u>	Company: <u>TA</u>	Date: <u>2/2/16</u>	Time: <u>8:47</u>	INST: <u>TA</u>	OBS: <u>TA</u>	COR: <u>TA</u>
Relinquished by: <u>NAVELY TA</u>	Company: <u>TA</u>	Date: <u>2/2/16</u>	Time: <u>9:04</u>	Received by: <u>NAVELY TA</u>	Company: <u>TA</u>	Date: <u>2/2/16</u>	Time: <u>9:04</u>	INST: <u>TA</u>	OBS: <u>TA</u>	COR: <u>TA</u>
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REMARKS: LAB USE ONLY

Intact Y / N
Headspace Y / N / NA
Log-in-Review AD

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

Carrier # 507385210



Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Curt Stanley
TRC Solutions
2057 Commerce
Midland, Tx, 79703

Report Date: May 20, 2016

Work Order: 16051802



Project Location: Lea Co, NM
Project Name: Monument 18
Project Number: TNM-Monument 18

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
419312	MW 5	water	2016-05-17	16:01	2016-05-18
419313	MW 9	water	2016-05-17	16:23	2016-05-18
419314	MW 10	water	2016-05-17	16:48	2016-05-18
419315	MW 1	water	2016-05-17	17:20	2016-05-18

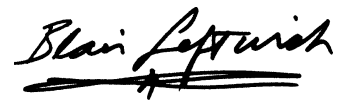
These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

TraceAnalysis, Inc. uses the attached chain of custody (COC) as the laboratory check-in documentation which includes sample receipt, temperature, sample preservation method and condition, collection date and time, testing requested, company, sampler, contacts and any special remarks.

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

Notes:

For inorganic analyses, the term MQL should actually read PQL.

A handwritten signature in black ink, reading "Blair Leftwich". The signature is written in a cursive style with a prominent flourish at the end of the last name.

Dr. Blair Leftwich, Director
James Taylor, Assistant Director
Johnny Grindstaff, Operations Manager

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Case Narrative

Samples for project Monument 18 were received by TraceAnalysis, Inc. on 2016-05-18 and assigned to work order 16051802. Samples for work order 16051802 were received intact at a temperature of 11.9 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	110312	2016-05-19 at 15:00	130204	2016-05-20 at 09:07

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 16051802 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: 419312 - MW 5

Laboratory: Midland

Analysis: BTEX

QC Batch: 130204

Prep Batch: 110312

Analytical Method: S 8021B

Date Analyzed: 2016-05-20

Sample Preparation: 2016-05-19

Prep Method: S 5030B

Analyzed By: AK

Prepared By: AK

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Benzene	u	2	<0.000504	<0.00100	<0.000504	mg/L	1	0.000504	0.001	0.000504
Toluene	u	2	<0.000621	<0.00100	<0.000621	mg/L	1	0.000621	0.001	0.000621
Ethylbenzene	u	2	<0.000763	<0.00100	<0.000763	mg/L	1	0.000763	0.001	0.000763
Xylene	u	2	<0.000256	<0.00100	<0.000256	mg/L	1	0.000256	0.001	0.000256

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.100	mg/L	1	0.100	100	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0889	mg/L	1	0.100	89	70 - 130

Sample: 419313 - MW 9

Laboratory: Midland

Analysis: BTEX

QC Batch: 130204

Prep Batch: 110312

Analytical Method: S 8021B

Date Analyzed: 2016-05-20

Sample Preparation: 2016-05-19

Prep Method: S 5030B

Analyzed By: AK

Prepared By: AK

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Benzene	u	2	<0.000504	<0.00100	<0.000504	mg/L	1	0.000504	0.001	0.000504
Toluene	u	2	<0.000621	<0.00100	<0.000621	mg/L	1	0.000621	0.001	0.000621
Ethylbenzene	u	2	<0.000763	<0.00100	<0.000763	mg/L	1	0.000763	0.001	0.000763
Xylene	u	2	<0.000256	<0.00100	<0.000256	mg/L	1	0.000256	0.001	0.000256

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0933	mg/L	1	0.100	93	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0834	mg/L	1	0.100	83	70 - 130

Report Date: May 20, 2016
TNM-Monument 18

Work Order: 16051802
Monument 18

Page Number: 6 of 12
Lea Co, NM

Sample: 419314 - MW 10

Laboratory: Midland

Analysis: BTEX

QC Batch: 130204

Prep Batch: 110312

Analytical Method: S 8021B

Date Analyzed: 2016-05-20

Sample Preparation: 2016-05-19

Prep Method: S 5030B

Analyzed By: AK

Prepared By: AK

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Benzene	u	2	<0.000504	<0.00100	<0.000504	mg/L	1	0.000504	0.001	0.000504
Toluene	u	2	<0.000621	<0.00100	<0.000621	mg/L	1	0.000621	0.001	0.000621
Ethylbenzene	u	2	<0.000763	<0.00100	<0.000763	mg/L	1	0.000763	0.001	0.000763
Xylene	u	2	<0.000256	<0.00100	<0.000256	mg/L	1	0.000256	0.001	0.000256

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0987	mg/L	1	0.100	99	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0917	mg/L	1	0.100	92	70 - 130

Sample: 419315 - MW 1

Laboratory: Midland

Analysis: BTEX

QC Batch: 130204

Prep Batch: 110312

Analytical Method: S 8021B

Date Analyzed: 2016-05-20

Sample Preparation: 2016-05-19

Prep Method: S 5030B

Analyzed By: AK

Prepared By: AK

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Benzene		2	0.00120	0.00120	<0.000504	mg/L	1	0.000504	0.001	0.000504
Toluene	u	2	<0.000621	<0.00100	<0.000621	mg/L	1	0.000621	0.001	0.000621
Ethylbenzene		2	0.00820	0.00820	<0.000763	mg/L	1	0.000763	0.001	0.000763
Xylene		2	0.0148	0.0148	<0.000256	mg/L	1	0.000256	0.001	0.000256

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0915	mg/L	1	0.100	92	70 - 130
4-Bromofluorobenzene (4-BFB)			0.117	mg/L	1	0.100	117	70 - 130

Method Blanks

Method Blank (1)

QC Batch: 130204
Prep Batch: 110312

Date Analyzed: 2016-05-20
QC Preparation: 2016-05-19

Analyzed By: AK
Prepared By: AK

Parameter	F	C	Result	Units	Reporting Limits
Benzene		2	<0.000504	mg/L	0.000504
Toluene		2	<0.000621	mg/L	0.000621
Ethylbenzene		2	<0.000763	mg/L	0.000763
Xylene		2	<0.000256	mg/L	0.000256

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0989	mg/L	1	0.100	99	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0841	mg/L	1	0.100	84	70 - 130

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 130204
Prep Batch: 110312

Date Analyzed: 2016-05-20
QC Preparation: 2016-05-19

Analyzed By: AK
Prepared By: AK

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		2	0.101	mg/L	1	0.100	<0.000504	101	70 - 130
Toluene		2	0.109	mg/L	1	0.100	<0.000621	109	70 - 130
Ethylbenzene		2	0.110	mg/L	1	0.100	<0.000763	110	70 - 130
Xylene		2	0.333	mg/L	1	0.300	<0.000256	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		2	0.0969	mg/L	1	0.100	<0.000504	97	70 - 130	4	20
Toluene		2	0.105	mg/L	1	0.100	<0.000621	105	70 - 130	4	20
Ethylbenzene		2	0.106	mg/L	1	0.100	<0.000763	106	70 - 130	4	20
Xylene		2	0.320	mg/L	1	0.300	<0.000256	107	70 - 130	4	20

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

Surrogate	F	C	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)			0.102	0.101	mg/L	1	0.100	102	101	70 - 130
4-Bromofluorobenzene (4-BFB)			0.107	0.106	mg/L	1	0.100	107	106	70 - 130

Matrix Spikes

Matrix Spike (MS-1) Spiked Sample: 419418

QC Batch: 130204
Prep Batch: 110312

Date Analyzed: 2016-05-20
QC Preparation: 2016-05-19

Analyzed By: AK
Prepared By: AK

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		2	0.106	mg/L	1	0.100	<0.000504	106	70 - 130
Toluene		2	0.110	mg/L	1	0.100	<0.000621	110	70 - 130
Ethylbenzene		2	0.109	mg/L	1	0.100	<0.000763	109	70 - 130
Xylene		2	0.330	mg/L	1	0.300	<0.000256	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		2	0.110	mg/L	1	0.100	<0.000504	110	70 - 130	4	20
Toluene		2	0.115	mg/L	1	0.100	<0.000621	115	70 - 130	4	20
Ethylbenzene		2	0.113	mg/L	1	0.100	<0.000763	113	70 - 130	4	20
Xylene		2	0.342	mg/L	1	0.300	<0.000256	114	70 - 130	4	20

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

Surrogate	F	C	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)			0.0941	0.0980	mg/L	1	0.1	94	98	70 - 130
4-Bromofluorobenzene (4-BFB)			0.101	0.103	mg/L	1	0.1	101	103	70 - 130

Calibration Standards

Standard (CCV-1)

QC Batch: 130204

Date Analyzed: 2016-05-20

Analyzed By: AK

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		2	mg/L	0.100	0.0972	97	80 - 120	2016-05-20
Toluene		2	mg/L	0.100	0.106	106	80 - 120	2016-05-20
Ethylbenzene		2	mg/L	0.100	0.107	107	80 - 120	2016-05-20
Xylene		2	mg/L	0.300	0.323	108	80 - 120	2016-05-20

Standard (CCV-2)

QC Batch: 130204

Date Analyzed: 2016-05-20

Analyzed By: AK

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		2	mg/L	0.100	0.106	106	80 - 120	2016-05-20
Toluene		2	mg/L	0.100	0.109	109	80 - 120	2016-05-20
Ethylbenzene		2	mg/L	0.100	0.114	114	80 - 120	2016-05-20
Xylene		2	mg/L	0.300	0.340	113	80 - 120	2016-05-20

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike	Pass
					Amount	
BTEX	S 8021B	water	BTEX-2	Benzene	0.000768	Pass
BTEX	S 8021B	water	BTEX-2	Toluene	0.000768	Pass
BTEX	S 8021B	water	BTEX-2	Ethylbenzene	0.000768	Pass
BTEX	S 8021B	water	BTEX-2	Xylene	0.000768	Pass

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	L-A-B	L2418	Lubbock
2	NELAP	T104704392-14-8	Midland

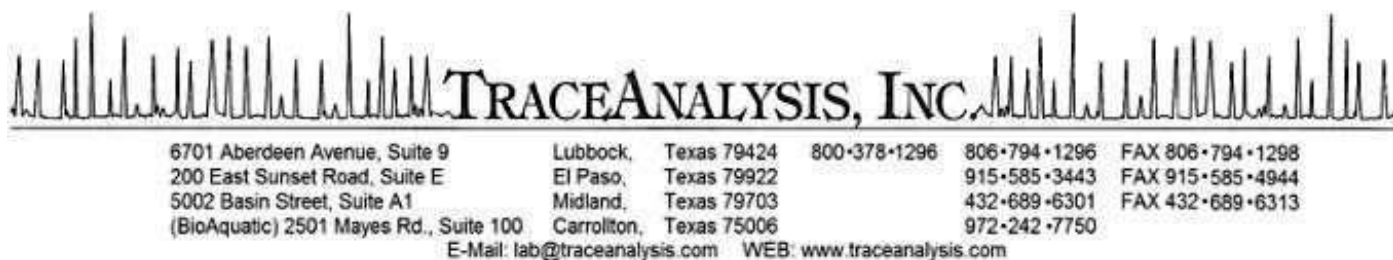
Standard Flags

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.

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Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Curt Stanley
TRC Solutions
2057 Commerce
Midland, Tx, 79703

Report Date: August 12, 2016

Work Order: 16080506



Project Location: Lea Co, NM
Project Name: Monument 18
Project Number: TNM-Monument 18

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
425916	MW 9	water	2016-08-04	16:16	2016-08-05
425917	MW 10	water	2016-08-04	16:41	2016-08-05
425918	MW 1	water	2016-08-04	17:05	2016-08-05

Notes

- **Work Order 16080506:** Received on ice

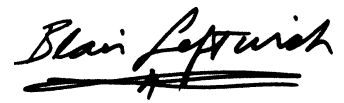
These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

TraceAnalysis, Inc. uses the attached chain of custody (COC) as the laboratory check-in documentation which includes sample receipt, temperature, sample preservation method and condition, collection date and time, testing requested, company, sampler, contacts and any special remarks.

This report consists of a total of 16 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Notes:

For inorganic analyses, the term MQL should actually read PQL.

A handwritten signature in black ink, reading "Blair Leftwich". The signature is written in a cursive style with a prominent flourish at the end.

Dr. Blair Leftwich, Director
James Taylor, Assistant Director
Johnny Grindstaff, Operations Manager

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Case Narrative

Samples for project Monument 18 were received by TraceAnalysis, Inc. on 2016-08-05 and assigned to work order 16080506. Samples for work order 16080506 were received intact at a temperature of 16.5 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	111903	2016-08-10 at 09:03	132049	2016-08-10 at 09:03
BTEX	S 8021B	111931	2016-08-11 at 09:55	132084	2016-08-11 at 09:55

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 16080506 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: 425916 - MW 9

Laboratory: Lubbock

Analysis: BTEX

QC Batch: 132049

Prep Batch: 111903

Analytical Method: S 8021B

Date Analyzed: 2016-08-10

Sample Preparation: 2016-08-10

Prep Method: S 5030B

Analyzed By: MT

Prepared By: MT

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Benzene	U	1,2,3,4	<0.000223	<0.00100	<0.000223	mg/L	1	0.000223	0.001	0.000223
Toluene	U	1,2,3,4	<0.000238	<0.00100	<0.000238	mg/L	1	0.000238	0.001	0.000238
Ethylbenzene	U	1,2,3,4	<0.000238	<0.00100	<0.000238	mg/L	1	0.000238	0.001	0.000238
Xylene	U	1,2,3,4	<0.000243	<0.00100	<0.000243	mg/L	1	0.000243	0.001	0.000243

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		4	0.0829	mg/L	1	0.100	83	71.6 - 120
4-Bromofluorobenzene (4-BFB)		4	0.0849	mg/L	1	0.100	85	70 - 120

Sample: 425917 - MW 10

Laboratory: Lubbock

Analysis: BTEX

QC Batch: 132049

Prep Batch: 111903

Analytical Method: S 8021B

Date Analyzed: 2016-08-10

Sample Preparation: 2016-08-10

Prep Method: S 5030B

Analyzed By: MT

Prepared By: MT

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Benzene	U	1,2,3,4	<0.000223	<0.00100	<0.000223	mg/L	1	0.000223	0.001	0.000223
Toluene	U	1,2,3,4	<0.000238	<0.00100	<0.000238	mg/L	1	0.000238	0.001	0.000238
Ethylbenzene	U	1,2,3,4	<0.000238	<0.00100	<0.000238	mg/L	1	0.000238	0.001	0.000238
Xylene	U	1,2,3,4	<0.000243	<0.00100	<0.000243	mg/L	1	0.000243	0.001	0.000243

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		4	0.0813	mg/L	1	0.100	81	71.6 - 120
4-Bromofluorobenzene (4-BFB)		4	0.0833	mg/L	1	0.100	83	70 - 120

Report Date: August 12, 2016
TNM-Monument 18

Work Order: 16080506
Monument 18

Page Number: 6 of 16
Lea Co, NM

Sample: 425918 - MW 1

Laboratory: Lubbock

Analysis: BTEX

QC Batch: 132084

Prep Batch: 111931

Analytical Method: S 8021B

Date Analyzed: 2016-08-11

Sample Preparation: 2016-08-11

Prep Method: S 5030B

Analyzed By: MT

Prepared By: MT

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Benzene	J	1,2,3,4	0.000900	<0.00100	<0.000223	mg/L	1	0.000223	0.001	0.000223
Toluene	U	1,2,3,4	<0.000238	<0.00100	<0.000238	mg/L	1	0.000238	0.001	0.000238
Ethylbenzene		1,2,3,4	0.00390	0.00390	<0.000238	mg/L	1	0.000238	0.001	0.000238
Xylene		1,2,3,4	0.00670	0.00670	<0.000243	mg/L	1	0.000243	0.001	0.000243

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		4	0.0857	mg/L	1	0.100	86	71.6 - 120
4-Bromofluorobenzene (4-BFB)		4	0.100	mg/L	1	0.100	100	70 - 120

Method Blanks

Method Blank (1)

QC Batch: 132049
Prep Batch: 111903

Date Analyzed: 2016-08-10
QC Preparation: 2016-08-10

Analyzed By: MT
Prepared By: MT

Parameter	F	C	Result	Units	Reporting Limits
Benzene		1,2,3,4	<0.000223	mg/L	0.000223
Toluene		1,2,3,4	<0.000238	mg/L	0.000238
Ethylbenzene		1,2,3,4	<0.000238	mg/L	0.000238
Xylene		1,2,3,4	<0.000243	mg/L	0.000243

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		4	0.0926	mg/L	1	0.100	93	71.6 - 120
4-Bromofluorobenzene (4-BFB)		4	0.0935	mg/L	1	0.100	94	70 - 120

Method Blank (1)

QC Batch: 132084
Prep Batch: 111931

Date Analyzed: 2016-08-11
QC Preparation: 2016-08-11

Analyzed By: MT
Prepared By: MT

Parameter	F	C	Result	Units	Reporting Limits
Benzene		1,2,3,4	<0.000223	mg/L	0.000223
Toluene		1,2,3,4	<0.000238	mg/L	0.000238
Ethylbenzene		1,2,3,4	<0.000238	mg/L	0.000238
Xylene		1,2,3,4	<0.000243	mg/L	0.000243

Surrogate	F	C	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		4	0.0905	mg/L	1	0.100	90	71.6 - 120
4-Bromofluorobenzene (4-BFB)		4	0.0913	mg/L	1	0.100	91	70 - 120

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 132049
Prep Batch: 111903

Date Analyzed: 2016-08-10
QC Preparation: 2016-08-10

Analyzed By: MT
Prepared By: MT

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1,2,3,4	0.0936	mg/L	1	0.100	<0.000223	94	78.9 - 120
Toluene		1,2,3,4	0.0890	mg/L	1	0.100	<0.000238	89	79.8 - 120
Ethylbenzene		1,2,3,4	0.0975	mg/L	1	0.100	<0.000238	98	79.7 - 120
Xylene		1,2,3,4	0.293	mg/L	1	0.300	<0.000243	98	78.2 - 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		1,2,3,4	0.0938	mg/L	1	0.100	<0.000223	94	78.9 - 120	0	20
Toluene		1,2,3,4	0.0890	mg/L	1	0.100	<0.000238	89	79.8 - 120	0	20
Ethylbenzene		1,2,3,4	0.0987	mg/L	1	0.100	<0.000238	99	79.7 - 120	1	20
Xylene		1,2,3,4	0.299	mg/L	1	0.300	<0.000243	100	78.2 - 120	2	20

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

Surrogate	F	C	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)		4	0.0927	0.0939	mg/L	1	0.100	93	94	71.6 - 120
4-Bromofluorobenzene (4-BFB)		4	0.0966	0.0998	mg/L	1	0.100	97	100	70 - 120

Laboratory Control Spike (LCS-1)

QC Batch: 132084
Prep Batch: 111931

Date Analyzed: 2016-08-11
QC Preparation: 2016-08-11

Analyzed By: MT
Prepared By: MT

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1,2,3,4	0.0884	mg/L	1	0.100	<0.000223	88	78.9 - 120
Toluene		1,2,3,4	0.0841	mg/L	1	0.100	<0.000238	84	79.8 - 120
Ethylbenzene		1,2,3,4	0.0928	mg/L	1	0.100	<0.000238	93	79.7 - 120
Xylene		1,2,3,4	0.280	mg/L	1	0.300	<0.000243	93	78.2 - 120

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

continued ...

control spikes continued ...

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		1,2,3,4	0.0870	mg/L	1	0.100	<0.000223	87	78.9 - 120	2	20
Toluene		1,2,3,4	0.0827	mg/L	1	0.100	<0.000238	83	79.8 - 120	2	20
Ethylbenzene		1,2,3,4	0.0909	mg/L	1	0.100	<0.000238	91	79.7 - 120	2	20
Xylene		1,2,3,4	0.274	mg/L	1	0.300	<0.000243	91	78.2 - 120	2	20

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

Surrogate	F	C	LCS Result	LCS Result	Units	Dil.	Spike Amount	LCS Rec.	LCS Rec.	Rec. Limit
Trifluorotoluene (TFT)		4	0.0905	0.0905	mg/L	1	0.100	90	90	71.6 - 120
4-Bromofluorobenzene (4-BFB)		4	0.0947	0.0939	mg/L	1	0.100	95	94	70 - 120

Matrix Spikes

Matrix Spike (MS-1) Spiked Sample: 425916

QC Batch: 132049
Prep Batch: 111903

Date Analyzed: 2016-08-10
QC Preparation: 2016-08-10

Analyzed By: MT
Prepared By: MT

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1,2,3,4	0.0834	mg/L	1	0.100	<0.000223	83	18.2 - 149
Toluene		1,2,3,4	0.0782	mg/L	1	0.100	<0.000238	78	13 - 157
Ethylbenzene		1,2,3,4	0.0845	mg/L	1	0.100	<0.000238	84	12.9 - 156
Xylene		1,2,3,4	0.253	mg/L	1	0.300	<0.000243	84	22 - 150

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		1,2,3,4	0.0837	mg/L	1	0.100	<0.000223	84	18.2 - 149	0	20
Toluene		1,2,3,4	0.0787	mg/L	1	0.100	<0.000238	79	13 - 157	1	20
Ethylbenzene		1,2,3,4	0.0857	mg/L	1	0.100	<0.000238	86	12.9 - 156	1	20
Xylene		1,2,3,4	0.258	mg/L	1	0.300	<0.000243	86	22 - 150	2	20

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

Surrogate	F	C	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)		4	0.0833	0.0841	mg/L	1	0.1	83	84	71.6 - 120
4-Bromofluorobenzene (4-BFB)		4	0.0871	0.0887	mg/L	1	0.1	87	89	70 - 120

Matrix Spike (MS-1) Spiked Sample: 426200

QC Batch: 132084
Prep Batch: 111931

Date Analyzed: 2016-08-11
QC Preparation: 2016-08-11

Analyzed By: MT
Prepared By: MT

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1,2,3,4	0.0836	mg/L	1	0.100	<0.000223	84	18.2 - 149
Toluene		1,2,3,4	0.0794	mg/L	1	0.100	<0.000238	79	13 - 157
Ethylbenzene		1,2,3,4	0.0877	mg/L	1	0.100	<0.000238	88	12.9 - 156
Xylene		1,2,3,4	0.264	mg/L	1	0.300	<0.000243	88	22 - 150

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

continued ...

matrix spikes continued ...

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		1,2,3,4	0.0839	mg/L	1	0.100	<0.000223	84	18.2 - 149	0	20
Toluene		1,2,3,4	0.0799	mg/L	1	0.100	<0.000238	80	13 - 157	1	20
Ethylbenzene		1,2,3,4	0.0874	mg/L	1	0.100	<0.000238	87	12.9 - 156	0	20
Xylene		1,2,3,4	0.262	mg/L	1	0.300	<0.000243	87	22 - 150	1	20

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

Surrogate	F	C	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)		4	0.0849	0.0838	mg/L	1	0.1	85	84	71.6 - 120
4-Bromofluorobenzene (4-BFB)		4	0.0908	0.0884	mg/L	1	0.1	91	88	70 - 120

Calibration Standards

Standard (CCV-1)

QC Batch: 132049

Date Analyzed: 2016-08-10

Analyzed By: MT

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1,2,3,4	mg/L	0.100	0.0902	90	80 - 120	2016-08-10
Toluene		1,2,3,4	mg/L	0.100	0.0853	85	80 - 120	2016-08-10
Ethylbenzene		1,2,3,4	mg/L	0.100	0.0939	94	80 - 120	2016-08-10
Xylene		1,2,3,4	mg/L	0.300	0.282	94	80 - 120	2016-08-10

Standard (CCV-2)

QC Batch: 132049

Date Analyzed: 2016-08-10

Analyzed By: MT

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1,2,3,4	mg/L	0.100	0.0896	90	80 - 120	2016-08-10
Toluene		1,2,3,4	mg/L	0.100	0.0845	84	80 - 120	2016-08-10
Ethylbenzene		1,2,3,4	mg/L	0.100	0.0910	91	80 - 120	2016-08-10
Xylene		1,2,3,4	mg/L	0.300	0.272	91	80 - 120	2016-08-10

Standard (CCV-2)

QC Batch: 132084

Date Analyzed: 2016-08-11

Analyzed By: MT

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1,2,3,4	mg/L	0.100	0.0894	89	80 - 120	2016-08-11
Toluene		1,2,3,4	mg/L	0.100	0.0847	85	80 - 120	2016-08-11
Ethylbenzene		1,2,3,4	mg/L	0.100	0.0933	93	80 - 120	2016-08-11
Xylene		1,2,3,4	mg/L	0.300	0.281	94	80 - 120	2016-08-11

Standard (CCV-3)

QC Batch: 132084

Date Analyzed: 2016-08-11

Analyzed By: MT

Report Date: August 12, 2016
TNM-Monument 18

Work Order: 16080506
Monument 18

Page Number: 13 of 16
Lea Co, NM

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1,2,3,4	mg/L	0.100	0.0900	90	80 - 120	2016-08-11
Toluene		1,2,3,4	mg/L	0.100	0.0850	85	80 - 120	2016-08-11
Ethylbenzene		1,2,3,4	mg/L	0.100	0.0925	92	80 - 120	2016-08-11
Xylene		1,2,3,4	mg/L	0.300	0.277	92	80 - 120	2016-08-11

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike	Pass
					Amount	
BTEX	S 8021B	water	GC-9	Benzene	0.000650	Pass
BTEX	S 8021B	water	GC-9	Toluene	0.000650	Pass
BTEX	S 8021B	water	GC-9	Ethylbenzene	0.000650	Pass
BTEX	S 8021B	water	GC-9	Xylene	0.000650	Pass

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	L-A-B	L2418	Lubbock
2	Kansas	Kansas E-10317	Lubbock
3	NELAP	T104704219-16-12	Lubbock
4		2015-066	Lubbock

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less than 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

Report Date: August 12, 2016
TNM-Monument 18

Work Order: 16080506
Monument 18

Page Number: 16 of 16
Lea Co, NM

The scanned attachments will follow this page.

Please note, each attachment may consist of more than one page.

Analytical Report 540975

**for
TRC Solutions, Inc**

Project Manager: Curt Stanley

Mounument 18

TNM Mounument 18

08-DEC-16

Collected By: Client



1211 W. Florida Ave, Midland TX 79701

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
Oklahoma (9218)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400)
Xenco-San Antonio: Texas (T104704534)

Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

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08-DEC-16

Project Manager: **Curt Stanley**
TRC Solutions, Inc
2057 Commerce
Midland, TX 79703

Reference: XENCO Report No(s): **540975**
Mounument 18
Project Address: Lovington, NM

Curt Stanley:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 540975. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 540975 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Andres Montoya
Director of Operations

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

Certified and approved by numerous States and Agencies.

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Houston - Dallas - Odessa - San Antonio - Tampa - Lakeland - Atlanta - Phoenix - Oklahoma - Latin America



Sample Cross Reference 540975



TRC Solutions, Inc, Midland, TX

Mounument 18

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW 6	W	11-28-16 12:40		540975-001
MW 7	W	11-28-16 13:08		540975-002
MW 5	W	11-28-16 13:31		540975-003
MW 9	W	11-28-16 13:49		540975-004
MW 10	W	11-28-16 14:23		540975-005
MW 1	W	11-28-16 14:41		540975-006
MW 3	W	11-28-16 15:03		540975-007



CASE NARRATIVE



Client Name: TRC Solutions, Inc

Project Name: Mounument 18

Project ID: TNM Mounument 18
Work Order Number(s): 540975

Report Date: 08-DEC-16
Date Received: 11/29/2016

This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory.

Sample receipt non conformances and comments:

12/08 Revised report to report down to MDL on PAH samples.

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3005068 PAHs by 8270C SIM

Surrogate 2-Fluorobiphenyl recovered below QC limits. Matrix interferences is suspected; data confirmed by re-analysis.

Samples affected are: 541141-001 S, 540975-007.

Surrogate Nitrobenzene-d5 recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.

Samples affected are: 540975-007, 540975-006.



Certificate of Analytical Results

540975



TRC Solutions, Inc, Midland, TX
Mounument 18

Sample Id: MW 6

Matrix: Water

Sample Depth:

Lab Sample Id: 540975-001

Date Collected: 11.28.16 12.40

Date Received: 11.29.16 08.48

Analytical Method: BTEX by EPA 8021B

Prep Method: 5030B

Analyst: PJB

% Moist:

Tech: PJB

Seq Number: 3004949

Date Prep: 12.02.16 17.30

Prep seq: 716778

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	12.03.16 03:15	U	1
Toluene	108-88-3	<0.00100	0.00200	0.00100	mg/L	12.03.16 03:15	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	12.03.16 03:15	U	1
m_p-Xylenes	179601-23-1	<0.00140	0.00200	0.00140	mg/L	12.03.16 03:15	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	12.03.16 03:15	U	1
Total Xylenes	1330-20-7	<0.000642		0.000642	mg/L	12.03.16 03:15	U	
Total BTEX		<0.000408		0.000408	mg/L	12.03.16 03:15	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	88	80 - 120	%		
4-Bromofluorobenzene	97	80 - 120	%		

Sample Id: MW 7

Matrix: Water

Sample Depth:

Lab Sample Id: 540975-002

Date Collected: 11.28.16 13.08

Date Received: 11.29.16 08.48

Analytical Method: BTEX by EPA 8021B

Prep Method: 5030B

Analyst: PJB

% Moist:

Tech: PJB

Seq Number: 3004949

Date Prep: 12.02.16 17.30

Prep seq: 716778

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	12.03.16 03:31	U	1
Toluene	108-88-3	<0.00100	0.00200	0.00100	mg/L	12.03.16 03:31	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	12.03.16 03:31	U	1
m_p-Xylenes	179601-23-1	<0.00140	0.00200	0.00140	mg/L	12.03.16 03:31	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	12.03.16 03:31	U	1
Total Xylenes	1330-20-7	<0.000642		0.000642	mg/L	12.03.16 03:31	U	
Total BTEX		<0.000408		0.000408	mg/L	12.03.16 03:31	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	87	80 - 120	%		
4-Bromofluorobenzene	95	80 - 120	%		



Certificate of Analytical Results

540975



TRC Solutions, Inc, Midland, TX
Mounument 18

Sample Id: MW 5 Matrix: Water Sample Depth:
Lab Sample Id: 540975-003 Date Collected: 11.28.16 13.31 Date Received: 11.29.16 08.48
Analytical Method: BTEX by EPA 8021B Prep Method: 5030B
Analyst: PJB % Moist: Tech: PJB
Seq Number: 3004949 Date Prep: 12.02.16 17.30
Prep seq: 716778

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	12.03.16 07:35	U	1
Toluene	108-88-3	<0.00100	0.00200	0.00100	mg/L	12.03.16 07:35	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	12.03.16 07:35	U	1
m_p-Xylenes	179601-23-1	<0.00140	0.00200	0.00140	mg/L	12.03.16 07:35	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	12.03.16 07:35	U	1
Total Xylenes	1330-20-7	<0.000642		0.000642	mg/L	12.03.16 07:35	U	
Total BTEX		<0.000408		0.000408	mg/L	12.03.16 07:35	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	84	80 - 120	%		
4-Bromofluorobenzene	97	80 - 120	%		

Sample Id: MW 9 Matrix: Water Sample Depth:
Lab Sample Id: 540975-004 Date Collected: 11.28.16 13.49 Date Received: 11.29.16 08.48
Analytical Method: BTEX by EPA 8021B Prep Method: 5030B
Analyst: PJB % Moist: Tech: PJB
Seq Number: 3004949 Date Prep: 12.02.16 17.30
Prep seq: 716778

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	12.03.16 03:47	U	1
Toluene	108-88-3	<0.00100	0.00200	0.00100	mg/L	12.03.16 03:47	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	12.03.16 03:47	U	1
m_p-Xylenes	179601-23-1	<0.00140	0.00200	0.00140	mg/L	12.03.16 03:47	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	12.03.16 03:47	U	1
Total Xylenes	1330-20-7	<0.000642		0.000642	mg/L	12.03.16 03:47	U	
Total BTEX		<0.000408		0.000408	mg/L	12.03.16 03:47	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	86	80 - 120	%		
4-Bromofluorobenzene	102	80 - 120	%		



Certificate of Analytical Results

540975



TRC Solutions, Inc, Midland, TX
Mounument 18

Sample Id: **MW 10**

Matrix: Water

Sample Depth:

Lab Sample Id: 540975-005

Date Collected: 11.28.16 14.23

Date Received: 11.29.16 08.48

Analytical Method: BTEX by EPA 8021B

Prep Method: 5030B

Analyst: PJB

% Moist:

Tech: PJB

Seq Number: 3004949

Date Prep: 12.02.16 17.30

Prep seq: 716778

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	12.03.16 04:03	U	1
Toluene	108-88-3	<0.00100	0.00200	0.00100	mg/L	12.03.16 04:03	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	12.03.16 04:03	U	1
m_p-Xylenes	179601-23-1	<0.00140	0.00200	0.00140	mg/L	12.03.16 04:03	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	12.03.16 04:03	U	1
Total Xylenes	1330-20-7	<0.000642		0.000642	mg/L	12.03.16 04:03	U	
Total BTEX		<0.000408		0.000408	mg/L	12.03.16 04:03	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	91	80 - 120	%		
4-Bromofluorobenzene	99	80 - 120	%		



Certificate of Analytical Results

540975



TRC Solutions, Inc, Midland, TX
Mounument 18

Sample Id: MW 1

Matrix: Water

Sample Depth:

Lab Sample Id: 540975-006

Date Collected: 11.28.16 14.41

Date Received: 11.29.16 08.48

Analytical Method: PAHs by 8270C SIM

Prep Method: 3510C

Analyst: SOZ

% Moist:

Tech: SOZ

Seq Number: 3005068

Date Prep: 12.01.16 10.15

Subcontractor: SUB: T104704295-TX

Prep seq: 716726

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Acenaphthene	83-32-9	0.00299	0.000462	0.000277	mg/L	12.05.16 04:37		1
Acenaphthylene	208-96-8	0.00110	0.000462	0.000277	mg/L	12.05.16 04:37		1
Anthracene	120-12-7	0.00687	0.000462	0.000277	mg/L	12.05.16 04:37		1
Benzo(a)anthracene	56-55-3	0.00172	0.000462	0.000277	mg/L	12.05.16 04:37		1
Benzo(a)pyrene	50-32-8	0.000314	0.000462	0.000277	mg/L	12.05.16 04:37	J	1
Benzo(b)fluoranthene	205-99-2	0.000540	0.000462	0.000277	mg/L	12.05.16 04:37		1
Benzo(g,h,i)perylene	191-24-2	0.000490	0.000462	0.000277	mg/L	12.05.16 04:37		1
Benzo(k)fluoranthene	207-08-9	0.000482	0.000462	0.000277	mg/L	12.05.16 04:37		1
Chrysene	218-01-9	0.00120	0.000462	0.000277	mg/L	12.05.16 04:37		1
Dibenz(a,h)anthracene	53-70-3	0.000461	0.000462	0.000277	mg/L	12.05.16 04:37	J	1
Dibenzofuran	132-64-9	0.00571	0.000462	0.000277	mg/L	12.05.16 04:37		1
Fluoranthene	206-44-0	0.000340	0.000462	0.000277	mg/L	12.05.16 04:37	J	1
Fluorene	86-73-7	0.00859	0.000462	0.000277	mg/L	12.05.16 04:37		1
Indeno(1,2,3-c,d)Pyrene	193-39-5	0.000376	0.000462	0.000277	mg/L	12.05.16 04:37	J	1
Naphthalene	91-20-3	0.00344	0.000462	0.000277	mg/L	12.05.16 04:37		1
Phenanthrene	85-01-8	0.00616	0.000462	0.000277	mg/L	12.05.16 04:37		1
Pyrene	129-00-0	<0.000277	0.000462	0.000277	mg/L	12.05.16 04:37	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
Nitrobenzene-d5	232	52 - 128	%		**
2-Fluorobiphenyl	60	55 - 135	%		
Terphenyl-D14	74	54 - 131	%		



Certificate of Analytical Results

540975



TRC Solutions, Inc, Midland, TX
Mounument 18

Sample Id: MW 1

Matrix: Water

Sample Depth:

Lab Sample Id: 540975-006

Date Collected: 11.28.16 14.41

Date Received: 11.29.16 08.48

Analytical Method: BTEX by EPA 8021B

Prep Method: 5030B

Analyst: PJB

% Moist:

Tech: PJB

Seq Number: 3004949

Date Prep: 12.02.16 17.30

Prep seq: 716778

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	12.03.16 07:51	U	1
Toluene	108-88-3	0.00293	0.00200	0.00100	mg/L	12.03.16 07:51		1
Ethylbenzene	100-41-4	0.00667	0.00200	0.000657	mg/L	12.03.16 07:51		1
m_p-Xylenes	179601-23-1	0.0206	0.00200	0.00140	mg/L	12.03.16 07:51		1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	12.03.16 07:51	U	1
Total Xylenes	1330-20-7	0.0206		0.000642	mg/L	12.03.16 07:51		
Total BTEX		0.0302		0.000408	mg/L	12.03.16 07:51		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	82	80 - 120	%		
4-Bromofluorobenzene	104	80 - 120	%		



Certificate of Analytical Results

540975



TRC Solutions, Inc, Midland, TX
Mounument 18

Sample Id: MW 3

Matrix: Water

Sample Depth:

Lab Sample Id: 540975-007

Date Collected: 11.28.16 15.03

Date Received: 11.29.16 08.48

Analytical Method: PAHs by 8270C SIM

Prep Method: 3510C

Analyst: SOZ

% Moist:

Tech: SOZ

Seq Number: 3005068

Date Prep: 12.01.16 10.15

Subcontractor: SUB: T104704295-TX

Prep seq: 716726

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Acenaphthene	83-32-9	0.00318	0.000457	0.000274	mg/L	12.05.16 04:51		1
Acenaphthylene	208-96-8	0.00140	0.000457	0.000274	mg/L	12.05.16 04:51		1
Anthracene	120-12-7	0.00317	0.000457	0.000274	mg/L	12.05.16 04:51		1
Benzo(a)anthracene	56-55-3	0.00270	0.000457	0.000274	mg/L	12.05.16 04:51		1
Benzo(a)pyrene	50-32-8	0.000470	0.000457	0.000274	mg/L	12.05.16 04:51		1
Benzo(b)fluoranthene	205-99-2	0.000536	0.000457	0.000274	mg/L	12.05.16 04:51		1
Benzo(g,h,i)perylene	191-24-2	0.000622	0.000457	0.000274	mg/L	12.05.16 04:51		1
Benzo(k)fluoranthene	207-08-9	<0.000274	0.000457	0.000274	mg/L	12.05.16 04:51	U	1
Chrysene	218-01-9	0.00215	0.000457	0.000274	mg/L	12.05.16 04:51		1
Dibenz(a,h)anthracene	53-70-3	0.000524	0.000457	0.000274	mg/L	12.05.16 04:51		1
Dibenzofuran	132-64-9	0.00658	0.000457	0.000274	mg/L	12.05.16 04:51		1
Fluoranthene	206-44-0	0.000591	0.000457	0.000274	mg/L	12.05.16 04:51		1
Fluorene	86-73-7	0.00924	0.000457	0.000274	mg/L	12.05.16 04:51		1
Indeno(1,2,3-c,d)Pyrene	193-39-5	0.000440	0.000457	0.000274	mg/L	12.05.16 04:51	J	1
Naphthalene	91-20-3	0.00707	0.000457	0.000274	mg/L	12.05.16 04:51		1
Phenanthrene	85-01-8	0.0149	0.000457	0.000274	mg/L	12.05.16 04:51		1
Pyrene	129-00-0	0.000415	0.000457	0.000274	mg/L	12.05.16 04:51	J	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
Nitrobenzene-d5	240	52 - 128	%		**
2-Fluorobiphenyl	43	55 - 135	%		**
Terphenyl-D14	81	54 - 131	%		



Certificate of Analytical Results

540975



TRC Solutions, Inc, Midland, TX
Mounument 18

Sample Id: MW 3

Matrix: Water

Sample Depth:

Lab Sample Id: 540975-007

Date Collected: 11.28.16 15.03

Date Received: 11.29.16 08.48

Analytical Method: BTEX by EPA 8021B

Prep Method: 5030B

Analyst: PJB

% Moist:

Tech: PJB

Seq Number: 3004949

Date Prep: 12.02.16 17.30

Prep seq: 716778

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	0.00708	0.00200	0.000408	mg/L	12.03.16 08:07		1
Toluene	108-88-3	<0.00100	0.00200	0.00100	mg/L	12.03.16 08:07	U	1
Ethylbenzene	100-41-4	0.00599	0.00200	0.000657	mg/L	12.03.16 08:07		1
m_p-Xylenes	179601-23-1	0.0200	0.00200	0.00140	mg/L	12.03.16 08:07		1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	12.03.16 08:07	U	1
Total Xylenes	1330-20-7	0.0200		0.000642	mg/L	12.03.16 08:07		
Total BTEX		0.0331		0.000408	mg/L	12.03.16 08:07		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	84	80 - 120	%		
4-Bromofluorobenzene	102	80 - 120	%		



Certificate of Analytical Results

540975



TRC Solutions, Inc, Midland, TX
Mounument 18

Sample Id: 716726-1-BLK

Matrix: Water

Sample Depth:

Lab Sample Id: 716726-1-BLK

Date Collected:

Date Received:

Analytical Method: PAHs by 8270C SIM

Prep Method: SW3511

Analyst: SOZ

% Moist:

Tech: SOZ

Seq Number: 3005068

Date Prep: 12.01.16 10.15

Subcontractor: SUB: T104704295-TX

Prep seq: 716726

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Acenaphthene	83-32-9	<0.000173	0.000289	0.000173	mg/L	12.05.16 20:22	U	1
Acenaphthylene	208-96-8	<0.000173	0.000289	0.000173	mg/L	12.05.16 20:22	U	1
Anthracene	120-12-7	<0.000173	0.000289	0.000173	mg/L	12.05.16 20:22	U	1
Benzo(a)anthracene	56-55-3	<0.000173	0.000289	0.000173	mg/L	12.05.16 20:22	U	1
Benzo(a)pyrene	50-32-8	<0.000173	0.000289	0.000173	mg/L	12.05.16 20:22	U	1
Benzo(b)fluoranthene	205-99-2	<0.000173	0.000289	0.000173	mg/L	12.05.16 20:22	U	1
Benzo(g,h,i)perylene	191-24-2	<0.000173	0.000289	0.000173	mg/L	12.05.16 20:22	U	1
Benzo(k)fluoranthene	207-08-9	<0.000173	0.000289	0.000173	mg/L	12.05.16 20:22	U	1
Chrysene	218-01-9	<0.000173	0.000289	0.000173	mg/L	12.05.16 20:22	U	1
Dibenz(a,h)anthracene	53-70-3	<0.000173	0.000289	0.000173	mg/L	12.05.16 20:22	U	1
Dibenzofuran	132-64-9	<0.000173	0.000289	0.000173	mg/L	12.05.16 20:22	U	1
Fluoranthene	206-44-0	<0.000173	0.000289	0.000173	mg/L	12.05.16 20:22	U	1
Fluorene	86-73-7	<0.000173	0.000289	0.000173	mg/L	12.05.16 20:22	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	<0.000173	0.000289	0.000173	mg/L	12.05.16 20:22	U	1
Naphthalene	91-20-3	<0.000173	0.000289	0.000173	mg/L	12.05.16 20:22	U	1
Phenanthrene	85-01-8	<0.000173	0.000289	0.000173	mg/L	12.05.16 20:22	U	1
Pyrene	129-00-0	<0.000173	0.000289	0.000173	mg/L	12.05.16 20:22	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
Nitrobenzene-d5	61	52 - 128	%		
2-Fluorobiphenyl	61	55 - 135	%		
Terphenyl-D14	68	54 - 131	%		



Certificate of Analytical Results

540975



TRC Solutions, Inc, Midland, TX
Mounument 18

Sample Id: 716778-1-BLK

Matrix: Water

Sample Depth:

Lab Sample Id: 716778-1-BLK

Date Collected:

Date Received:

Analytical Method: BTEX by EPA 8021B

Prep Method: 5030B

Analyst: PJB

% Moist:

Tech: PJB

Seq Number: 3004949

Date Prep: 12.02.16 17.30

Prep seq: 716778

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	12.03.16 02:58	U	1
Toluene	108-88-3	<0.00100	0.00200	0.00100	mg/L	12.03.16 02:58	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	12.03.16 02:58	U	1
m_p-Xylenes	179601-23-1	<0.00140	0.00200	0.00140	mg/L	12.03.16 02:58	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	12.03.16 02:58	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	88	80 - 120	%		
4-Bromofluorobenzene	90	80 - 120	%		

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the quantitation limit and above the detection limit.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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(602) 437-0330	

Form 2 - Surrogate Recoveries

Project Name: Mounument 18

Work Orders : 540975,

Project ID: TNM Mounument 18

Lab Batch #: 3004949

Sample: 716778-1-BKS / BKS

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 12/03/16 01:38

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0295	0.0300	98	80-120	
4-Bromofluorobenzene	0.0310	0.0300	103	80-120	

Lab Batch #: 3004949

Sample: 716778-1-BSD / BSD

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 12/03/16 01:54

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0300	0.0300	100	80-120	
4-Bromofluorobenzene	0.0314	0.0300	105	80-120	

Lab Batch #: 3004949

Sample: 540978-003 S / MS

Batch: 1 Matrix: Ground Water

Units: mg/L

Date Analyzed: 12/03/16 02:10

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0310	0.0300	103	80-120	
4-Bromofluorobenzene	0.0305	0.0300	102	80-120	

Lab Batch #: 3004949

Sample: 540978-003 SD / MSD

Batch: 1 Matrix: Ground Water

Units: mg/L

Date Analyzed: 12/03/16 02:26

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0313	0.0300	104	80-120	
4-Bromofluorobenzene	0.0314	0.0300	105	80-120	

Lab Batch #: 3004949

Sample: 716778-1-BLK / BLK

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 12/03/16 02:58

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0264	0.0300	88	80-120	
4-Bromofluorobenzene	0.0271	0.0300	90	80-120	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Mounument 18

Work Orders : 540975,

Project ID: TNM Mounument 18

Lab Batch #: 3005068

Sample: 716726-1-BLK / BLK

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 12/05/16 20:22

SURROGATE RECOVERY STUDY

PAHs by 8270C SIM Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Nitrobenzene-d5	0.0306	0.0500	61	52-128	
2-Fluorobiphenyl	0.0306	0.0500	61	55-135	
Terphenyl-D14	0.0342	0.0500	68	54-131	

Lab Batch #: 3005068

Sample: 716726-1-BSD / BSD

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 12/05/16 20:56

SURROGATE RECOVERY STUDY

PAHs by 8270C SIM Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Nitrobenzene-d5	0.0449	0.0500	90	52-128	
2-Fluorobiphenyl	0.0381	0.0500	76	55-135	
Terphenyl-D14	0.0357	0.0500	71	54-131	

Lab Batch #: 3005068

Sample: 716726-1-BKS / BKS

Batch: 1 Matrix: Water

Units: mg/L

Date Analyzed: 12/05/16 21:13

SURROGATE RECOVERY STUDY

PAHs by 8270C SIM Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Nitrobenzene-d5	0.0409	0.0500	82	52-128	
2-Fluorobiphenyl	0.0312	0.0500	62	55-135	
Terphenyl-D14	0.0404	0.0500	81	54-131	

Lab Batch #: 3005068

Sample: 541141-001 S / MS

Batch: 1 Matrix: Liquid

Units: mg/L

Date Analyzed: 12/05/16 22:23

SURROGATE RECOVERY STUDY

PAHs by 8270C SIM Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Nitrobenzene-d5	0.0324	0.0500	65	52-128	
2-Fluorobiphenyl	0.0269	0.0500	54	55-135	**
Terphenyl-D14	0.0423	0.0500	85	54-131	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.



BS / BSD Recoveries



Project Name: Mounument 18

Work Order #: 540975

Project ID: TNM Mounument 18

Analyst: PJB

Date Prepared: 12/02/2016

Date Analyzed: 12/03/2016

Lab Batch ID: 3004949

Sample: 716778-1-BKS

Batch #: 1

Matrix: Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
Benzene	<0.000408	0.100	0.0823	82	0.100	0.0851	85	3	70-125	25	
Toluene	<0.00100	0.100	0.0789	79	0.100	0.0807	81	2	70-125	25	
Ethylbenzene	<0.000657	0.100	0.0844	84	0.100	0.0862	86	2	71-129	25	
m_p-Xylenes	<0.00140	0.200	0.169	85	0.200	0.173	87	2	70-131	25	
o-Xylene	<0.000642	0.100	0.0824	82	0.100	0.0837	84	2	71-133	25	

Relative Percent Difference RPD = $200 * |(C-F)/(C+F)|$

Blank Spike Recovery [D] = $100 * (C)/[B]$

Blank Spike Duplicate Recovery [G] = $100 * (F)/[E]$

All results are based on MDL and Validated for QC Purposes

Project Name: Mounument 18

Work Order #: 540975

Project ID: TNM Mounument 18

Analyst: SOZ

Date Prepared: 12/01/2016

Date Analyzed: 12/05/2016

Lab Batch ID: 3005068

Sample: 716726-1-BKS

Batch #: 1

Matrix: Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

PAHs by 8270C SIM	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
Acenaphthene	<0.000173	0.00288	0.00251	87	0.00289	0.00276	96	9	47-120	25	
Acenaphthylene	<0.000173	0.00288	0.00211	73	0.00289	0.00212	73	0	60-117	25	
Anthracene	<0.000173	0.00288	0.00250	87	0.00289	0.00231	80	8	60-117	25	
Benzo(a)anthracene	<0.000173	0.00288	0.00248	86	0.00289	0.00239	83	4	56-120	25	
Benzo(a)pyrene	<0.000173	0.00288	0.00234	81	0.00289	0.00219	76	7	65-120	25	
Benzo(b)fluoranthene	<0.000173	0.00288	0.00245	85	0.00289	0.00198	69	21	45-124	25	
Benzo(g,h,i)perylene	<0.000173	0.00288	0.00217	75	0.00289	0.00222	77	2	38-123	25	
Benzo(k)fluoranthene	<0.000173	0.00288	0.00161	56	0.00289	0.00169	58	5	45-124	25	
Chrysene	<0.000173	0.00288	0.00226	78	0.00289	0.00202	70	11	55-120	25	
Dibenz(a,h)anthracene	<0.000173	0.00288	0.00256	89	0.00289	0.00258	89	1	42-127	25	
Dibenzofuran	<0.000173	0.00288	0.00218	76	0.00289	0.00265	92	19	54-120	25	
Fluoranthene	<0.000173	0.00288	0.00235	82	0.00289	0.00213	74	10	54-120	25	
Fluorene	<0.000173	0.00288	0.00203	70	0.00289	0.00226	78	11	50-120	25	
Indeno(1,2,3-c,d)Pyrene	<0.000173	0.00288	0.00239	83	0.00289	0.00239	83	0	43-125	25	
Naphthalene	<0.000173	0.00288	0.00232	81	0.00289	0.00236	82	2	39-120	25	
Phenanthrene	<0.000173	0.00288	0.00237	82	0.00289	0.00217	75	9	51-120	25	
Pyrene	<0.000173	0.00288	0.00236	82	0.00289	0.00207	72	13	49-128	25	

Relative Percent Difference RPD = $200 * |(C-F)/(C+F)|$

Blank Spike Recovery [D] = $100 * (C)/[B]$

Blank Spike Duplicate Recovery [G] = $100 * (F)/[E]$

All results are based on MDL and Validated for QC Purposes



Form 3 - MS Recoveries

Project Name: Mounument 18



Work Order #: 540975

Lab Batch #: 3005068

Date Analyzed: 12/05/2016

QC- Sample ID: 541141-001 S

Reporting Units: mg/L

Date Prepared: 12/01/2016

Batch #: 1

Project ID: TNM Mounument 18

Analyst: SOZ

Matrix: Liquid

MATRIX / MATRIX SPIKE RECOVERY STUDY						
PAHs by 8270C SIM Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Acenaphthene	<0.000172	0.00287	0.00315	110	47-120	
Acenaphthylene	<0.000172	0.00287	0.00259	90	60-117	
Anthracene	<0.000172	0.00287	0.00291	101	60-117	
Benzo(a)anthracene	<0.000172	0.00287	0.00305	106	56-120	
Benzo(a)pyrene	<0.000172	0.00287	0.00273	95	65-120	
Benzo(b)fluoranthene	<0.000172	0.00287	0.00257	90	45-124	
Benzo(g,h,i)perylene	<0.000172	0.00287	0.00271	94	38-123	
Benzo(k)fluoranthene	<0.000172	0.00287	0.00211	74	45-124	
Chrysene	<0.000172	0.00287	0.00251	87	55-120	
Dibenz(a,h)anthracene	<0.000172	0.00287	0.00313	109	42-127	
Dibenzofuran	<0.000172	0.00287	0.00267	93	54-120	
Fluoranthene	<0.000172	0.00287	0.00286	100	54-120	
Fluorene	<0.000172	0.00287	0.00204	71	50-120	
Indeno(1,2,3-c,d)Pyrene	<0.000172	0.00287	0.00290	101	43-125	
Naphthalene	<0.000172	0.00287	0.00294	102	39-120	
Phenanthrene	<0.000172	0.00287	0.00275	96	51-120	
Pyrene	<0.000172	0.00287	0.00280	98	49-128	

Matrix Spike Percent Recovery [D] = $100 \times (C-A)/B$

Relative Percent Difference [E] = $200 \times (C-A)/(C+B)$

All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit



Form 3 - MS / MSD Recoveries



Project Name: Mounument 18

Work Order # : 540975

Project ID: TNM Mounument 18

Lab Batch ID: 3004949

QC- Sample ID: 540978-003 S

Batch #: 1 Matrix: Ground Water

Date Analyzed: 12/03/2016

Date Prepared: 12/02/2016

Analyst: PJB

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.000408	0.100	0.0834	83	0.100	0.0855	86	2	70-125	25	
Toluene	<0.00100	0.100	0.0803	80	0.100	0.0805	81	0	70-125	25	
Ethylbenzene	<0.000657	0.100	0.0848	85	0.100	0.0869	87	2	71-129	25	
m_p-Xylenes	<0.00140	0.200	0.170	85	0.200	0.174	87	2	70-131	25	
o-Xylene	<0.000642	0.100	0.0823	82	0.100	0.0849	85	3	71-133	25	

Matrix Spike Percent Recovery $[D] = 100 \times (C-A)/B$
Relative Percent Difference $RPD = 200 \times |(C-F)/(C+F)|$

Matrix Spike Duplicate Percent Recovery $[G] = 100 \times (F-A)/E$

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

TraceAnalysis, Inc.

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
Fax (972) 242-7750

Brandon & Clark
3403 Industrial Blvd.
Hobbs, NM 88240
Tel (575) 392-7561
Fax (575) 392-4508

email: lab@traceanalysis.com

Company Name: TRC solutions Phone #: 432-520-7720

Address: (Street, City, Zip) 2057 Commerce Dr Midland Tx 79703

Contact Person: Carl Stanley E-mail:

Invoice to: (If different from above) Plains

Project #: TJM-Monument 18 Project Name:

Project Location (including state): TJM-Monument 18 Sampler Signature: Manuel

Project Location (including state): TJM-Monument 18

Project Location (including state): TJM-Monument 18

Project Location (including state): TJM-Monument 18

Project Location (including state): TJM-Monument 18

Project Location (including state): TJM-Monument 18

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Project Location (including state): TJM-Monument 18

Project Location (including state): TJM-Monument 18

ANALYSIS REQUEST

(Circle or Specify Method No.)

LAB #	FIELD CODE	# CONTAINERS	VOLUME / AMOUNT	MATRIX	PRESERVATIVE	METHOD	DATE	SAMPLING	TIME	MTBE	BTEX	TPH	PAH	Total Metals	TCMP Volatiles	TCMP Semi Volatiles	TCMP Pesticides	RCI	GC/MS Vol.	GC/MS Semi.	PCB's	Pesticides	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
	MW 6	3	100A	WATER						X																	
	MW 7	1																									
	MW 5	1																									
	MW 9	1																									
	MW 10	1																									
	MW 1	6																									
	MW 3	6																									

REMARKS:

LAB USE ONLY

Relinquished by: <u>Manuel</u>	Company: <u>TRC</u>	Date: <u>11-29-16</u>	Time: <u>11:29</u>	Received by: <u>Manuel</u>	Company: <u>Kenco</u>	Date: <u>11-29-16</u>	Time: <u>11:29</u>	INST: <u>35</u>	OBS: <u>35</u>	COR: <u>35</u>
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST:	OBS:	COR:
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST:	OBS:	COR:

Temp: IR ID/R-8
CF: + 0.1 3.4
Corrected Temp: 3.5

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.

ORIGINAL COPY



XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In



Client: TRC Solutions-Houston

Date/ Time Received: 11/29/2016 08:48:00 AM

Work Order #: 540975

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	3.5
#2 *Shipping container in good condition?	N/A
#3 *Samples received on ice?	Yes
#4 *Custody Seal present on shipping container/ cooler?	N/A
#5 *Custody Seals intact on shipping container/ cooler?	N/A
#6 Custody Seals intact on sample bottles?	N/A
#7 *Custody Seals Signed and dated?	N/A
#8 *Chain of Custody present?	Yes
#9 Sample instructions complete on Chain of Custody?	Yes
#10 Any missing/extra samples?	No
#11 Chain of Custody signed when relinquished/ received?	Yes
#12 Chain of Custody agrees with sample label(s)?	Yes
#13 Container label(s) legible and intact?	Yes
#14 Sample matrix/ properties agree with Chain of Custody?	Yes
#15 Samples in proper container/ bottle?	Yes
#16 Samples properly preserved?	Yes
#17 Sample container(s) intact?	Yes
#18 Sufficient sample amount for indicated test(s)?	Yes
#19 All samples received within hold time?	Yes
#20 Subcontract of sample(s)?	Yes Dallas
#21 VOC samples have zero headspace (less than 1/4 inch bubble)?	Yes
#22 <2 for all samples preserved with HNO3,HCL, H2SO4? Except for samples for the analysis of HEM or HEM-SGT which are verified by the analysts.	Yes
#23 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	N/A

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst:

PH Device/Lot#:

Checklist completed by:

Jessica Kramer

Jessica Kramer

Date: 11/29/2016

Checklist reviewed by:

Alex Montoya

Alex Montoya

Date: 11/29/2016

Historic Tables

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MAREKTING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	01/24/00	3,558.71	32.20	35.57	3.37	3,526.00
MW - 1	06/07/00	3,558.71	32.22	35.13	2.91	3,526.05
MW - 1	09/14/00	3,558.71	32.51	35.68	3.17	3,525.72
MW - 1	12/06/00	3,558.71	32.70	35.78	3.08	3,525.55
MW - 1	03/09/01	3,558.71	32.77	35.50	2.73	3,525.53
MW - 1	06/21/01	3,558.71	32.80	35.52	2.72	3,525.50
MW - 1	09/22/01	3,558.71	32.34	34.62	2.28	3,526.03
MW - 1	10/12/01	3,558.71	33.13	35.60	2.47	3,525.21
MW - 1	03/18/02	3,558.71	33.25	36.28	3.03	3,525.01
MW - 1	03/27/02	3,558.71	33.27	36.00	2.73	3,525.03
MW - 1	03/28/02	3,558.71	33.28	36.04	2.76	3,525.02
MW - 1	04/03/02	3,558.71	33.26	35.94	2.68	3,525.05
MW - 1	04/12/03	3,558.71	33.27	36.00	2.73	3,525.03
MW - 1	04/16/02	3,558.71	33.32	35.60	2.28	3,525.05
MW - 1	05/03/02	3,558.71	33.25	35.93	2.68	3,525.06
MW - 1	05/10/02	3,558.71	33.31	35.66	2.35	3,525.05
MW - 1	05/16/02	3,558.71	33.29	35.74	2.45	3,525.05
MW - 1	05/24/02	3,558.71	33.31	36.02	2.71	3,524.99
MW - 1	06/10/02	3,558.71	33.31	36.18	2.87	3,524.97
MW - 1	06/19/02	3,558.71	33.37	35.91	2.54	3,524.96
MW - 1	07/03/02	3,558.71	33.40	35.94	2.54	3,524.93
MW - 1	07/11/02	3,558.71	33.37	36.06	2.69	3,524.94
MW - 1	07/16/02	3,558.71	33.42	35.51	2.09	3,524.98
MW - 1	08/21/02	3,558.71	33.40	36.21	2.81	3,524.89
MW - 1	08/27/02	3,558.71	33.40	36.26	2.86	3,524.88
MW - 1	09/05/02	3,558.71	33.46	36.04	2.58	3,524.86
MW - 1	09/16/02	3,558.71	33.54	35.86	2.32	3,524.82
MW - 1	10/03/02	3,558.71	33.51	36.28	2.77	3,524.78
MW - 1	10/08/02	3,558.71	33.61	35.71	2.10	3,524.79
MW - 1	10/15/02	3,558.71	33.63	35.78	2.15	3,524.76
MW - 1	12/19/02	3,558.71	33.58	36.44	2.86	3,524.70
MW - 1	03/03/03	3,558.71	NM	NM	NM	NM
MW - 1	06/17/03	3,558.71	33.66	36.42	2.76	3,524.64
MW - 1	09/05/03	3,558.71	33.85	36.70	2.85	3,524.43
MW - 1	12/16/03	3,558.71	34.02	36.74	2.72	3,524.28
MW - 1	03/08/04	3,558.71	34.05	36.78	2.73	3,524.25
MW - 1	05/25/04	3,558.71	33.79	36.34	2.55	3,524.54
MW - 1	08/31/04	3,558.71	34.00	36.70	2.70	3,524.31

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MAREKTING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	09/14/04	3,558.71	34.05	36.80	2.75	3,524.25
MW - 1	09/21/04	3,558.71	34.14	36.22	2.08	3,524.26
MW - 1	10/14/04	3,558.71	33.23	34.10	0.87	3,525.35
MW - 1	10/21/04	3,558.71	33.30	34.15	0.85	3,525.28
MW - 1	10/28/04	3,558.71	33.44	34.05	0.61	3,525.18
MW - 1	11/04/04	3,558.71	33.40	34.40	1.00	3,525.16
MW - 1	11/11/04	3,558.71	33.44	33.94	0.50	3,525.20
MW - 1	11/17/04	3,558.71	33.43	34.55	1.12	3,525.11
MW - 1	11/30/04	3,558.71	32.98	33.60	0.62	3,525.64
MW - 1	12/07/04	3,558.71	32.91	33.60	0.69	3,525.70
MW - 1	12/15/04	3,558.71	32.90	33.50	0.60	3,525.72
MW - 1	12/13/04	3,558.71	32.90	33.50	0.60	3,525.72
MW - 1	12/28/04	3,558.71	32.97	33.78	0.81	3,525.62
MW - 1	01/12/05	3,558.71	32.96	33.51	0.55	3,525.67
MW - 1	01/19/05	3,558.71	32.97	33.40	0.43	3,525.68
MW - 1	01/26/05	3,558.71	33.00	33.67	0.67	3,525.61
MW - 1	02/01/05	3,558.71	33.01	33.61	0.60	3,525.61
MW - 1	02/09/05	3,558.71	33.21	33.69	0.48	3,525.43
MW - 1	02/16/05	3,558.71	32.99	33.60	0.61	3,525.63
MW - 1	02/23/05	3,558.71	33.00	33.49	0.49	3,525.64
MW - 1	03/02/05	3,558.71	33.00	33.41	0.41	3,525.65
MW - 1	03/09/05	3,558.71	32.98	33.39	0.41	3,525.67
MW - 1	03/11/05	3,558.71	32.98	33.37	0.39	3,525.67
MW - 1	03/17/05	3,558.71	33.04	33.54	0.50	3,525.60
MW - 1	03/23/05	3,558.71	32.96	33.49	0.53	3,525.67
MW - 1	03/30/05	3,558.71	32.92	33.32	0.40	3,525.73
MW - 1	04/06/05	3,558.71	32.90	33.34	0.44	3,525.74
MW - 1	04/14/05	3,558.71	32.89	33.25	0.36	3,525.77
MW - 1	05/24/05	3,558.71	32.69	32.99	0.30	3,525.98
MW - 1	06/08/05	3,558.71	32.61	33.25	0.64	3,526.00
MW - 1	06/14/05	3,558.71	32.59	33.04	0.45	3,526.05
MW - 1	06/22/05	3,558.71	32.59	33.00	0.41	3,526.06
MW - 1	07/13/05	3,558.71	32.54	33.05	0.51	3,526.09
MW - 1	07/28/05	3,558.71	32.54	32.90	0.36	3,526.12
MW - 1	08/11/05	3,558.71	32.50	32.75	0.25	3,526.17
MW - 1	08/24/05	3,558.71	32.66	33.02	0.36	3,526.00
MW - 1	09/13/05	3,558.71	32.78	33.01	0.23	3,525.90
MW - 1	09/13/05	3,558.71	32.33	33.10	0.77	3,526.26
MW - 1	09/30/05	3,558.71	32.36	33.12	0.76	3,526.24

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MAREKTING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	10/11/05	3,558.71	32.36	33.11	0.75	3,526.24
MW - 1	10/28/05	3,558.71	32.34	33.10	0.76	3,526.26
MW - 1	11/17/05	3,558.71	32.27	33.04	0.77	3,526.32
MW - 1	12/02/05	3,558.71	32.22	32.80	0.58	3,526.40
MW - 1	12/07/05	3,558.71	32.31	32.75	0.44	3,526.33
MW - 1	12/19/05	3,558.71	32.23	32.75	0.52	3,526.40
MW - 1	12/30/05	3,558.71	32.20	32.80	0.60	3,526.42
MW - 1	01/11/06	3,558.71	32.11	32.70	0.59	3,526.51
MW - 1	01/27/06	3,558.71	32.14	32.63	0.49	3,526.50
MW - 1	02/09/06	3,558.71	32.14	32.54	0.40	3,526.51
MW - 1	02/16/06	3,558.71	32.13	32.63	0.50	3,526.51
MW - 1	02/24/06	3,558.71	32.15	32.36	0.21	3,526.53
MW - 1	03/08/06	3,558.71	32.10	32.33	0.23	3,526.58
MW - 1	03/08/06	3,558.71	32.10	32.26	0.16	3,526.59
MW - 1	03/24/06	3,558.71	32.11	32.24	0.13	3,526.58
MW - 1	03/31/06	3,558.71	32.06	32.21	0.15	3,526.63
MW - 1	04/19/06	3,558.71	32.03	32.24	0.21	3,526.65
MW - 1	05/04/06	3,558.71	32.02	32.22	0.20	3,526.66
MW - 1	06/02/06	3,558.71	32.01	32.20	0.19	3,526.67
MW - 1	06/07/06	3,558.71	32.03	32.16	0.13	3,526.66
MW - 1	06/15/06	3,558.71	32.02	32.15	0.13	3,526.67
MW - 1	06/29/06	3,558.71	32.10	32.30	0.20	3,526.58
MW - 1	07/06/06	3,558.71	32.14	32.33	0.19	3,526.54
MW - 1	07/18/06	3,558.71	32.14	32.33	0.19	3,526.54
MW - 1	07/26/06	3,558.71	31.15	32.36	1.21	3,527.38
MW - 1	07/31/06	3,558.71	32.16	32.33	0.17	3,526.52
MW - 1	08/08/06	3,558.71	32.19	32.35	0.16	3,526.50
MW - 1	08/18/06	3,558.71	32.19	32.36	0.17	3,526.49
MW - 1	08/22/06	3,558.71	32.21	32.37	0.16	3,526.48
MW - 1	09/05/06	3,558.71	32.14	32.29	0.15	3,526.55
MW - 1	09/16/06	3,558.71	32.05	32.21	0.16	3,526.64
MW - 1	11/13/06	3,558.71	31.94	32.15	0.21	3,526.74
MW - 1	11/14/06	3,558.71	31.95	32.14	0.19	3,526.73
MW - 1	01/10/07	3,558.71	sheen	31.71	0.00	3,527.00
MW - 1	01/25/07	3,558.71	31.86	32.13	0.27	3,526.81
MW - 1	02/06/07	3,558.71	31.81	32.12	0.31	3,526.85
MW - 1	02/12/07	3,558.71	31.79	32.04	0.25	3,526.88
MW - 1	02/13/07	3,558.71	31.81	32.09	0.28	3,526.86
MW - 1	02/20/07	3,558.71	31.81	32.01	0.20	3,526.87

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MAREKTING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	03/07/07	3,558.71	31.77	31.99	0.22	3,526.91
MW - 1	03/27/07	3,558.71	31.75	31.90	0.15	3,526.94
MW - 1	04/11/07	3,558.71	31.76	31.87	0.11	3,526.93
MW - 1	04/25/07	3,558.71	31.74	31.87	0.13	3,526.95
MW - 1	05/01/07	3,558.71	31.72	31.81	0.09	3,526.98
MW - 1	05/07/07	3,558.71	31.71	31.88	0.17	3,526.97
MW - 1	05/17/07	3,558.71	31.70	31.76	0.06	3,527.00
MW - 1	05/25/07	3,558.71	31.68	31.73	0.05	3,527.02
MW - 1	06/07/07	3,558.71	31.65	31.69	0.04	3,527.05
MW - 1	06/12/07	3,558.71	31.66	31.70	0.04	3,527.04
MW - 1	06/20/07	3,558.71	sheen	31.67	0.00	3,527.04
MW - 1	06/28/07	3,558.71	sheen	31.66	0.00	3,527.05
MW - 1	07/02/07	3,558.71	sheen	31.66	0.00	3,527.05
MW - 1	07/11/07	3,558.71	-	31.68	0.00	3,527.03
MW - 1	07/18/07	3,558.71	-	31.68	0.00	3,527.03
MW - 1	07/24/07	3,558.71	sheen	31.77	0.00	3,526.94
MW - 1	08/01/07	3,558.71	sheen	31.71	0.00	3,527.00
MW - 1	08/08/07	3,558.71	sheen	31.71	0.00	3,527.00
MW - 1	08/16/07	3,558.71	sheen	31.74	0.00	3,526.97
MW - 1	09/14/07	3,558.71	sheen	31.80	0.00	3,526.91
MW - 1	09/18/07	3,558.71	sheen	31.79	0.00	3,526.92
MW - 1	09/25/07	3,558.71	sheen	31.79	0.00	3,526.92
MW - 1	10/03/07	3,558.71	sheen	31.74	0.00	3,526.97
MW - 1	10/10/07	3,558.71	sheen	31.74	0.00	3,526.97
MW - 1	10/16/07	3,558.71	sheen	31.71	0.00	3,527.00
MW - 1	10/29/07	3,558.71	sheen	31.73	0.00	3,526.98
MW - 1	11/02/07	3,558.71	sheen	31.72	0.00	3,526.99
MW - 1	11/07/07	3,558.71	sheen	31.72	0.00	3,526.99
MW - 1	11/30/07	3,558.71	sheen	31.71	0.00	3,527.00
MW - 1	12/07/07	3,558.71	sheen	31.69	0.00	3,527.02
MW - 1	12/18/07	3,558.71	sheen	31.69	0.00	3,527.02
MW - 1	01/11/08	3,558.71	-	31.64	0.00	3,527.07
MW - 1	01/17/08	3,558.71	-	31.66	0.00	3,527.05
MW - 1	01/22/08	3,558.71	-	31.66	0.00	3,527.05
MW - 1	02/07/08	3,558.71	-	31.65	0.00	3,527.06
MW - 1	02/13/08	3,558.71	-	31.64	0.00	3,527.07
MW - 1	02/21/08	3,558.71	-	33.65	0.00	3,525.06
MW - 1	02/29/08	3,558.71	-	31.68	0.00	3,527.03
MW - 1	03/14/08	3,558.71	-	31.63	0.00	3,527.08

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MAREKTING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	03/20/08	3,558.71	-	31.66	0.00	3,527.05
MW - 1	04/03/08	3,558.71	-	31.68	0.00	3,527.03
MW - 1	04/10/08	3,558.71	-	31.64	0.00	3,527.07
MW - 1	04/17/08	3,558.71	-	31.69	0.00	3,527.02
MW - 1	04/24/08	3,558.71	-	31.67	0.00	3,527.04
MW - 1	05/01/08	3,558.71	-	31.69	0.00	3,527.02
MW - 1	05/06/08	3,558.71	-	31.68	0.00	3,527.03
MW - 1	05/08/08	3,558.71	-	31.66	0.00	3,527.05
MW - 1	05/15/08	3,558.71	-	31.69	0.00	3,527.02
MW - 1	05/20/08	3,558.71	-	31.70	0.00	3,527.01
MW - 1	05/30/08	3,558.71	-	31.74	0.00	3,526.97
MW - 1	06/04/08	3,558.71	-	31.73	0.00	3,526.98
MW - 1	06/12/08	3,558.71	-	31.80	0.00	3,526.91
MW - 1	06/17/08	3,558.71	-	31.86	0.00	3,526.85
MW - 1	06/24/08	3,558.71	-	31.88	0.00	3,526.83
MW - 1	07/03/08	3,558.71	-	31.92	0.00	3,526.79
MW - 1	07/09/08	3,558.71	-	31.92	0.00	3,526.79
MW - 1	07/14/08	3,558.71	-	31.91	0.00	3,526.80
MW - 1	07/23/08	3,558.71	-	31.89	0.00	3,526.82
MW - 1	08/05/08	3,558.71	-	31.92	0.00	3,526.79
MW - 1	08/06/08	3,558.71	-	31.88	0.00	3,526.83
MW - 1	08/11/08	3,558.71	-	31.94	0.00	3,526.77
MW - 1	08/28/08	3,558.71	-	32.02	0.00	3,526.69
MW - 1	09/25/08	3,558.71	-	32.02	0.00	3,526.69
MW - 1	09/30/08	3,558.71	-	32.01	0.00	3,526.70
MW - 1	10/07/08	3,558.71	-	32.01	0.00	3,526.70
MW - 1	10/15/08	3,558.71	-	32.08	0.00	3,526.63
MW - 1	10/22/08	3,558.71	-	32.06	0.00	3,526.65
MW - 1	10/30/08	3,558.71	-	32.11	0.00	3,526.60
MW - 1	11/05/08	3,558.71	-	32.00	0.00	3,526.71
MW - 1	11/07/08	3,558.71	-	32.02	0.00	3,526.69
MW - 1	11/14/08	3,558.71	-	32.01	0.00	3,526.70
MW - 1	11/21/08	3,558.71	-	31.89	0.00	3,526.82
MW - 1	11/24/08	3,558.71	-	32.01	0.00	3,526.70
MW - 1	12/05/08	3,558.71	-	31.96	0.00	3,526.75
MW - 1	12/16/08	3,558.71	-	31.98	0.00	3,526.73
MW - 1	01/07/09	3,558.71	sheen	31.96	0.00	3,526.75
MW - 1	01/16/09	3,558.71	sheen	31.93	0.00	3,526.78
MW - 1	01/29/09	3,558.71	sheen	31.93	0.00	3,526.78

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MAREKTING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	02/03/09	3,558.71	sheen	31.91	0.00	3,526.80
MW - 1	02/09/09	3,558.71	sheen	31.93	0.00	3,526.78
MW - 1	02/17/09	3,558.71	sheen	31.88	0.00	3,526.83
MW - 1	02/26/09	3,558.71	sheen	31.95	0.00	3,526.76
MW - 1	03/02/09	3,558.71	-	31.89	0.00	3,526.82
MW - 1	03/05/09	3,558.71	sheen	32.00	0.00	3,526.71
MW - 1	03/09/09	3,558.71	sheen	32.03	0.00	3,526.68
MW - 1	03/16/09	3,558.71	-	31.91	0.00	3,526.80
MW - 1	03/18/09	3,558.71	sheen	32.05	0.00	3,526.66
MW - 1	03/25/09	3,558.71	sheen	32.04	0.00	3,526.67
MW - 1	03/26/09	3,558.71	-	31.87	0.00	3,526.84
MW - 1	03/27/09	3,558.71	-	31.92	0.00	3,526.79
MW - 1	03/30/09	3,558.71	-	31.93	0.00	3,526.78
MW - 1	04/06/09	3,558.71	-	31.94	0.00	3,526.77
MW - 1	04/15/09	3,558.71	-	31.93	0.00	3,526.78
MW - 1	04/16/09	3,558.71	-	31.89	0.00	3,526.82
MW - 1	04/20/09	3,558.71	-	31.92	0.00	3,526.79
MW - 1	04/23/09	3,558.71	-	31.92	0.00	3,526.79
MW - 1	04/27/09	3,558.71	-	31.92	0.00	3,526.79
MW - 1	04/30/09	3,558.71	-	31.91	0.00	3,526.80
MW - 1	05/06/09	3,558.71	-	31.90	0.00	3,526.81
MW - 1	05/21/09	3,558.71	-	31.91	0.00	3,526.80
MW - 1	05/27/09	3,558.71	-	31.95	0.00	3,526.76
MW - 1	06/08/09	3,558.71	-	31.98	0.00	3,526.73
MW - 1	06/11/09	3,558.71	-	32.02	0.00	3,526.69
MW - 1	06/16/09	3,558.71	-	32.02	0.00	3,526.69
MW - 1	06/22/09	3,558.71	sheen	32.03	0.00	3,526.68
MW - 1	06/29/09	3,558.71	-	32.03	0.00	3,526.68
MW - 1	07/02/09	3,558.71	-	32.08	0.00	3,526.63
MW - 1	07/10/09	3,558.71	sheen	32.10	0.00	3,526.61
MW - 1	07/15/09	3,558.71	-	32.08	0.00	3,526.63
MW - 1	07/21/09	3,558.71	-	32.17	0.00	3,526.54
MW - 1	07/29/09	3,558.71	-	32.08	0.00	3,526.63
MW - 1	07/30/09	3,558.71	sheen	32.15	0.00	3,526.56
MW - 1	08/03/09	3,558.71	-	32.19	0.00	3,526.52
MW - 1	08/05/09	3,558.71	sheen	32.15	0.00	3,526.56
MW - 1	08/07/09	3,558.71	-	32.19	0.00	3,526.52
MW - 1	08/10/09	3,558.71	sheen	32.20	0.00	3,526.51
MW - 1	08/19/09	3,558.71	sheen	32.20	0.00	3,526.51

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MAREKTING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	08/27/09	3,558.71	-	32.24	0.00	3,526.47
MW - 1	08/31/09	3,558.71	-	32.25	0.00	3,526.46
MW - 1	09/11/09	3,558.71	sheen	32.30	0.00	3,526.41
MW - 1	09/17/09	3,558.71	sheen	32.31	0.00	3,526.40
MW - 1	09/24/09	3,558.71	sheen	32.35	0.00	3,526.36
MW - 1	09/29/09	3,558.71	-	32.38	0.00	3,526.33
MW - 1	09/30/09	3,558.71	sheen	32.33	0.00	3,526.38
MW - 1	10/06/09	3,558.71	-	32.41	0.00	3,526.30
MW - 1	10/27/09	3,558.71	-	32.44	0.00	3,526.27
MW - 1	11/04/09	3,558.71	-	32.48	0.00	3,526.23
MW - 1	11/05/09	3,558.71	-	32.43	0.00	3,526.28
MW - 1	12/14/09	3,558.71	-	32.27	0.00	3,526.44
MW - 1	12/31/09	3,558.71	sheen	32.55	0.00	3,526.16
MW - 1	01/07/10	3,558.71	-	32.55	0.00	3,526.16
MW - 1	02/02/10	3,558.71	sheen	32.58	0.00	3,526.13
MW - 1	02/19/10	3,558.71	sheen	32.49	0.00	3,526.22
MW - 1	03/01/10	3,558.71	sheen	32.58	0.00	3,526.13
MW - 1	03/16/10	3,558.71	sheen	32.53	0.00	3,526.18
MW - 1	03/31/10	3,558.71	sheen	32.51	0.00	3,526.20
MW - 1	04/07/10	3,558.71	sheen	32.54	0.00	3,526.17
MW - 1	04/16/10	3,558.71	sheen	32.54	0.00	3,526.17
MW - 1	04/28/10	3,558.71	-	32.42	0.00	3,526.29
MW - 1	05/05/10	3,558.71	sheen	32.51	0.00	3,526.20
MW - 1	05/13/10	3,558.71	-	32.44	0.00	3,526.27
MW - 1	05/19/10	3,558.71	-	32.41	0.00	3,526.30
MW - 1	06/07/10	3,558.71	sheen	32.58	0.00	3,526.13
MW - 1	06/09/10	3,558.71	-	32.43	0.00	3,526.28
MW - 1	07/16/10	3,558.71	sheen	32.34	0.00	3,526.37
MW - 1	07/30/10	3,558.71	sheen	32.26	0.00	3,526.45
MW - 1	08/04/10	3,558.71	sheen	32.26	0.00	3,526.45
MW - 1	08/06/10	3,558.71	sheen	32.36	0.00	3,526.35
MW - 1	08/20/10	3,558.71	sheen	32.25	0.00	3,526.46
MW - 1	09/10/10	3,558.71	sheen	32.27	0.00	3,526.44
MW - 1	09/24/10	3,558.71	sheen	32.14	0.00	3,526.57
MW - 1	10/08/10	3,558.71	sheen	32.25	0.00	3,526.46
MW - 1	11/03/10	3,558.71	sheen	32.50	0.00	3,526.21
MW - 1	12/03/10	3,558.71	sheen	32.16	0.00	3,526.55
MW - 1	12/16/10	3,558.71	sheen	32.43	0.00	3,526.28
MW - 1	02/08/11	3,558.71	sheen	32.49	0.00	3,526.22

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MAREKTING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	05/02/11	3,558.71	sheen	32.12	0.00	3,526.59
MW - 1	05/09/11	3,558.71	sheen	32.05	0.00	3,526.66
MW - 1	05/10/11	3,558.71	sheen	32.05	0.00	3,526.66
MW - 1	05/12/11	3,558.71	-	32.38	0.00	3,526.33
MW - 1	08/09/11	3,558.71	-	32.49	0.00	3,526.22
MW - 1	09/14/11	3,558.71	sheen	32.63	0.00	3,526.08
MW - 1	10/31/11	3,558.71	-	32.63	0.00	3,526.08
MW - 1	12/07/11	3,558.71	-	32.65	0.00	3,526.06
MW - 1	12/23/11	3,558.71	-	32.65	0.00	3,526.06
MW - 1	12/27/11	3,558.71	-	32.64	0.00	3,526.07
MW - 1	01/18/12	3,558.71	-	32.62	0.00	3,526.09
MW - 1	02/08/12	3,558.71	-	32.66	0.00	3,526.05
MW - 1	05/07/12	3,558.71	-	32.70	0.00	3,526.01
MW - 1	08/03/12	3,558.71	-	32.83	0.00	3,525.88
MW - 1	11/05/12	3,558.71	32.99	33.07	0.08	3,525.71
MW - 1	11/29/12	3,558.71	32.97	33.21	0.24	3,525.70
MW - 1	12/10/12	3,558.71	32.99	33.14	0.15	3,525.70
MW - 1	12/27/12	3,558.71	32.96	33.33	0.37	3,525.69
MW - 1	01/14/13	3,558.71	32.92	33.54	0.62	3,525.70
MW - 1	02/04/13	3,558.71	32.90	33.67	0.77	3,525.69
MW - 1	02/06/13	3,558.71	32.93	33.42	0.49	3,525.71
MW - 1	03/04/13	3,558.71	32.80	33.88	1.08	3,525.75
MW - 1	04/10/13	3,558.71	32.89	33.94	1.05	3,525.66
MW - 1	04/22/13	3,558.71	32.62	33.75	1.13	3,525.92
MW - 1	05/23/13	3,558.71	32.85	33.83	0.98	3,525.71
MW - 1	05/30/13	3,558.71	32.88	33.41	0.53	3,525.75
MW - 1	06/06/13	3,558.71	32.91	33.70	0.79	3,525.68
MW - 1	06/20/13	3,558.71	32.93	33.75	0.82	3,525.66
MW - 1	07/02/13	3,558.71	32.99	33.76	0.77	3,525.60
MW - 1	08/01/13	3,558.71	32.99	34.17	1.18	3,525.54
MW - 1	11/12/13	3,558.71	33.06	34.86	1.80	3,525.38
MW - 1	11/12/13	3,558.71	33.15	35.03	1.88	3,525.28
MW - 1	11/19/13	3,558.71	33.02	34.84	1.82	3,525.42
MW - 1	11/19/13	3,558.71	33.12	35.04	1.92	3,525.30
MW - 1	11/27/13	3,558.71	33.02	34.84	1.82	3,525.42
MW - 1	12/17/13	3,558.71	33.06	34.95	1.89	3,525.37
MW - 1	01/02/14	3,558.71	33.14	34.90	1.76	3,525.31
MW - 1	01/07/14	3,558.71	33.40	34.73	1.33	3,525.11
MW - 1	01/09/14	3,558.71	33.12	34.30	1.18	3,525.41

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MAREKTING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	01/14/14	3,558.71	33.10	34.44	1.34	3,525.41
MW - 1	01/23/14	3,558.71	33.14	34.36	1.22	3,525.39
MW - 1	02/13/14	3,558.71	33.10	34.83	1.73	3,525.35
MW - 1	02/17/14	3,558.71	33.05	34.01	0.96	3,525.52
MW - 1	02/18/14	3,558.71	33.14	34.97	1.83	3,525.30
MW - 1	02/20/14	3,558.71	33.17	34.98	1.81	3,525.27
MW - 1	02/25/14	3,558.71	33.10	34.70	1.60	3,525.37
MW - 1	02/27/14	3,558.71	33.12	34.20	1.08	3,525.43
MW - 1	03/05/14	3,558.71	33.13	34.45	1.32	3,525.38
MW - 1	03/06/14	3,558.71	33.20	34.64	1.44	3,525.29
MW - 1	03/13/14	3,558.71	33.08	34.65	1.57	3,525.39
MW - 1	03/27/14	3,558.71	33.10	34.42	1.32	3,525.41
MW - 1	04/01/14	3,558.71	33.15	34.58	1.43	3,525.35
MW - 1	04/03/14	3,558.71	33.10	34.55	1.45	3,525.39
MW - 1	04/08/14	3,558.71	33.13	34.55	1.42	3,525.37
MW - 1	04/10/14	3,558.71	33.08	34.58	1.50	3,525.41
MW - 1	04/15/14	3,558.71	33.08	34.49	1.41	3,525.42
MW - 1	04/17/14	3,558.71	33.13	34.25	1.12	3,525.41
MW - 1	04/22/14	3,558.71	33.12	34.34	1.22	3,525.41
MW - 1	04/24/14	3,558.71	33.08	33.45	0.37	3,525.57
MW - 1	05/01/14	3,558.71	33.08	34.42	1.34	3,525.43
MW - 1	05/08/14	3,558.71	33.10	34.43	1.33	3,525.41
MW - 1	05/13/14	3,558.71	33.11	34.49	1.38	3,525.39
MW - 1	05/15/14	3,558.71	33.11	34.18	1.07	3,525.44
MW - 1	05/20/14	3,558.71	33.12	34.50	1.38	3,525.38
MW - 1	05/27/14	3,558.71	33.11	34.45	1.34	3,525.40
MW - 1	05/29/14	3,558.71	33.17	33.35	0.18	3,525.51
MW - 1	06/03/14	3,558.71	33.14	34.30	1.16	3,525.40
MW - 1	06/10/14	3,558.71	33.22	34.31	1.09	3,525.33
MW - 1	06/17/14	3,558.71	33.17	34.74	1.57	3,525.30
MW - 1	06/19/14	3,558.71	33.18	34.40	1.22	3,525.35
MW - 1	07/03/14	3,558.71	33.19	34.82	1.63	3,525.28
MW - 1	07/08/14	3,558.71	33.64	34.80	1.16	3,524.90
MW - 1	07/10/14	3,558.71	33.28	34.17	0.89	3,525.30
MW - 1	08/28/14	3,558.71	33.38	33.67	0.29	3,525.29
MW - 1	12/04/14	3,558.71	33.14	34.86	1.72	3,525.31
MW - 1	12/10/14	3,558.71	33.16	35.00	1.84	3,525.27
MW - 1	12/22/14	3,558.71	33.15	34.82	1.67	3,525.31
MW - 1	01/07/15	3,558.71	33.07	34.54	1.47	3,525.42

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MAREKTING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	02/06/15	3,558.71	33.04	34.57	1.53	3,525.44
MW - 1	02/18/15	3,558.71	33.02	34.45	1.43	3,525.48
MW - 1	03/03/15	3,558.71	32.98	34.48	1.50	3,525.51
MW - 1	03/26/15	3,558.71	32.97	34.36	1.39	3,525.53
MW - 1	03/31/15	3,558.71	32.98	34.15	1.17	3,525.55
MW - 1	04/03/15	3,558.71	32.98	34.21	1.23	3,525.55
MW - 1	04/07/15	3,558.71	32.98	34.01	1.03	3,525.58
MW - 1	04/23/15	3,558.71	32.92	34.22	1.30	3,525.60
MW - 1	05/13/15	3,558.71	32.78	33.89	1.11	3,525.76
MW - 1	05/21/15	3,558.71	32.86	33.83	0.97	3,525.70
MW - 1	05/22/15	3,558.71	32.83	33.82	0.99	3,525.73
MW - 1	06/05/15	3,558.71	32.72	33.74	1.02	3,525.84
MW - 1	06/30/15	3,558.71	32.65	33.64	0.99	3,525.91
MW - 1	07/07/15	3,558.71	32.65	33.34	0.69	3,525.96
MW - 1	07/10/15	3,558.71	32.64	33.37	0.73	3,525.96
MW - 1	07/24/15	3,558.71	32.66	33.15	0.49	3,525.98
MW - 1	08/07/15	3,558.71	32.62	33.07	0.45	3,526.02
MW - 1	08/25/15	3,558.71	32.62	33.04	0.42	3,526.03
MW - 1	08/27/15	3,558.71	32.65	33.11	0.46	3,525.99
MW - 1	09/01/15	3,558.71	32.64	33.00	0.36	3,526.02
MW - 1	09/18/15	3,558.71	32.65	33.04	0.39	3,526.00
MW - 1	09/28/15	3,558.71	32.63	32.95	0.32	3,526.03
MW - 1	10/01/15	3,558.71	32.62	32.96	0.34	3,526.04
MW - 1	10/15/15	3,558.71	32.67	33.02	0.35	3,525.99
MW - 1	10/22/15	3,558.71	32.52	32.85	0.33	3,526.14
MW - 1	11/13/15	3,558.71	32.59	32.93	0.34	3,526.07
MW - 1	11/17/15	3,558.71	32.60	32.85	0.25	3,526.07
MW - 1	11/25/15	3,558.71	32.62	32.93	0.31	3,526.04
MW - 1	12/02/15	3,558.71	32.58	32.87	0.29	3,526.09
MW - 1	12/07/15	3,558.71	32.55	32.78	0.23	3,526.13
MW - 1	12/18/15	3,558.71	32.54	32.76	0.22	3,526.14
MW - 1	12/23/15	3,558.71	32.54	32.75	0.21	3,526.14
MW - 1	01/05/16	3,558.71	32.50	32.71	0.21	3,526.18
MW - 1	01/14/16	3,558.71	32.49	32.68	0.19	3,526.19
MW - 1	01/19/16	3,558.71	32.52	32.65	0.13	3,526.17
MW - 1	01/29/16	3,558.71	32.52	32.64	0.12	3,526.17
MW - 1	02/01/16	3,558.71	32.49	32.61	0.12	3,526.20
MW - 1	02/11/16	3,558.71	32.51	32.62	0.11	3,526.18
MW - 1	02/16/16	3,558.71	32.49	32.60	0.11	3,526.20

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MAREKTING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	03/02/16	3,558.71	32.46	32.61	0.15	3,526.23
MW - 1	03/11/16	3,558.71	32.47	32.54	0.07	3,526.23
MW - 1	03/15/16	3,558.71	32.49	32.53	0.04	3,526.21
MW - 1	03/30/16	3,558.71	-	32.48	0.00	3,526.23
MW - 1	04/06/16	3,558.71	-	32.49	0.00	3,526.22
MW - 1	04/14/16	3,558.71	-	32.46	0.00	3,526.25
MW - 1	04/20/16	3,558.71	-	32.45	0.00	3,526.26
MW - 1	04/26/16	3,558.71	-	32.44	0.00	3,526.27
MW - 1	05/02/16	3,558.71	-	32.47	0.00	3,526.24
MW - 1	05/17/16	3,558.71	-	32.42	0.00	3,526.29
MW - 1	05/27/16	3,558.71	-	32.50	0.00	3,526.21
MW - 1	06/03/16	3,558.71	-	32.45	0.00	3,526.26
MW - 1	06/07/16	3,558.71	-	32.45	0.00	3,526.26
MW - 1	06/16/16	3,558.71	-	32.49	0.00	3,526.22
MW - 1	06/20/16	3,558.71	-	32.50	0.00	3,526.21
MW - 1	06/29/16	3,558.71	-	32.55	0.00	3,526.16
MW - 1	07/06/16	3,558.71	-	32.55	0.00	3,526.16
MW - 1	07/11/16	3,558.71	-	32.58	0.00	3,526.13
MW - 1	07/20/16	3,558.71	-	32.64	0.00	3,526.07
MW - 1	07/27/16	3,558.71	-	32.63	0.00	3,526.08
MW - 1	08/04/16	3,558.71	-	32.66	0.00	3,526.05
MW - 1	08/12/16	3,558.71	32.68	32.70	0.02	3,526.03
MW - 1	08/17/16	3,558.71	-	32.67	0.00	3,526.04
MW - 1	08/23/16	3,558.71	-	32.72	0.00	3,525.99
MW - 1	09/02/16	3,558.71	-	32.60	0.00	3,526.11
MW - 1	09/06/16	3,558.71	-	32.60	0.00	3,526.11
MW - 1	09/15/16	3,558.71	-	32.36	0.00	3,526.35
MW - 1	09/20/16	3,558.71	-	32.56	0.00	3,526.15
MW - 1	09/26/16	3,558.71	-	32.62	0.00	3,526.09
MW - 1	10/06/16	3,558.71	-	32.50	0.00	3,526.21
MW - 1	10/10/16	3,558.71	-	32.53	0.00	3,526.18
MW - 1	10/18/16	3,558.71	-	32.53	0.00	3,526.18
MW - 1	10/25/16	3,558.71	-	32.51	0.00	3,526.20
MW - 1	11/01/16	3,558.71	-	32.51	0.00	3,526.20
MW - 1	11/11/16	3,558.71	-	32.50	0.00	3,526.21
MW - 1	11/18/16	3,558.71	-	32.50	0.00	3,526.21
MW - 1	11/28/16	3,558.71	-	32.46	0.00	3,526.25
MW - 1	12/09/16	3,558.71	-	32.46	0.00	3,526.25
MW - 1	12/14/16	3,558.71	-	32.42	0.00	3,526.29

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MAREKTING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	12/19/16	3,558.71	-	32.46	0.00	3,526.25
MW - 1	12/27/16	3,558.71	-	32.42	0.00	3,526.29
MW - 2	01/24/00	3,559.64	-	34.03	0.00	3,525.61
MW - 2	06/07/00	3,559.64	-	33.55	0.00	3,526.09
MW - 2	09/06/00	3,559.64	-	33.83	0.00	3,525.81
MW - 2	12/06/00	3,559.64	-	34.03	0.00	3,525.61
MW - 2	03/09/01	3,559.64	-	33.93	0.00	3,525.71
MW - 2	06/21/01	3,559.64	-	34.00	0.00	3,525.64
MW - 2	09/22/01	3,559.64	-	34.32	0.00	3,525.32
MW - 2	10/12/01	3,559.64	-	34.34	0.00	3,525.30
MW - 2	03/27/02	3,559.64	-	34.46	0.00	3,525.18
MW - 2	05/16/02	3,559.64	-	34.48	0.00	3,525.16
MW - 2	09/16/02	3,559.64	-	34.69	0.00	3,524.95
MW - 2	12/19/02	3,559.64	-	34.80	0.00	3,524.84
MW - 2	06/17/03	3,559.64	-	34.94	0.00	3,524.70
MW - 2	09/05/03	3,559.64	-	35.14	0.00	3,524.50
MW - 2	12/16/03	3,559.64	-	35.12	0.00	3,524.52
MW - 2	03/08/04	3,559.64	-	35.35	0.00	3,524.29
MW - 2	05/25/04	3,559.64	-	35.00	0.00	3,524.64
MW - 2	08/31/04	3,559.64	-	35.31	0.00	3,524.33
MW - 2	12/13/04	3,559.64	-	34.00	0.00	3,525.64
MW - 2	03/11/05	3,559.64	-	33.95	0.00	3,525.69
MW - 2	06/14/05	3,559.64	-	33.60	0.00	3,526.04
MW - 2	08/11/05	3,559.64	sheen	33.48	0.00	3,526.16
MW - 2	09/13/05	3,559.64	sheen	33.43	0.00	3,526.21
MW - 2	09/13/05	PLUGGED & ABANDONED				
MW - 3	01/24/00	3,558.53	31.99	34.52	2.53	3,526.16
MW - 3	06/07/00	3,558.53	32.05	34.38	2.33	3,526.13
MW - 3	09/14/00	3,558.53	32.32	34.84	2.52	3,525.83
MW - 3	12/06/00	3,558.53	32.48	34.80	2.32	3,525.70
MW - 3	03/09/01	3,558.53	32.61	34.32	1.71	3,525.66
MW - 3	06/21/01	3,558.53	32.65	34.30	1.65	3,525.63
MW - 3	09/22/01	3,558.53	32.64	34.74	2.10	3,525.58
MW - 3	10/12/01	3,558.53	33.06	34.06	1.00	3,525.32
MW - 3	03/18/02	3,558.53	33.30	33.48	0.18	3,525.20
MW - 3	03/27/02	3,558.53	33.30	33.53	0.23	3,525.20
MW - 3	03/28/02	3,558.53	33.29	33.46	0.17	3,525.21

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MAREKTING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 3	04/03/02	3,558.53	33.30	33.43	0.13	3,525.21
MW - 3	04/12/02	3,558.53	33.31	33.40	0.09	3,525.21
MW - 3	04/16/02	3,558.53	33.31	33.39	0.08	3,525.21
MW - 3	05/03/02	3,558.53	33.31	33.36	0.05	3,525.21
MW - 3	05/10/02	3,558.53	33.30	33.38	0.08	3,525.22
MW - 3	05/16/02	3,558.53	33.32	33.39	0.07	3,525.20
MW - 3	05/24/02	3,558.53	33.30	33.40	0.10	3,525.22
MW - 3	06/10/02	3,558.53	33.39	33.47	0.08	3,525.13
MW - 3	06/19/02	3,558.53	33.40	33.49	0.09	3,525.12
MW - 3	07/03/02	3,558.53	33.42	33.50	0.08	3,525.10
MW - 3	07/11/02	3,558.53	33.42	33.52	0.10	3,525.10
MW - 3	07/16/02	3,558.53	33.39	33.49	0.10	3,525.13
MW - 3	08/21/02	3,558.53	33.46	33.59	0.13	3,525.05
MW - 3	08/27/02	3,558.53	33.47	33.61	0.14	3,525.04
MW - 3	09/05/02	3,558.53	33.50	33.57	0.07	3,525.02
MW - 3	09/16/02	3,558.53	33.55	33.58	0.03	3,524.98
MW - 3	10/03/02	3,558.53	33.59	33.63	0.04	3,524.93
MW - 3	10/08/02	3,558.53	33.59	33.65	0.06	3,524.93
MW - 3	10/15/02	3,558.53	33.62	33.67	0.05	3,524.90
MW - 3	12/19/02	3,558.53	33.66	33.76	0.10	3,524.86
MW - 3	06/17/03	3,558.53	33.70	33.94	0.24	3,524.79
MW - 3	09/05/03	3,558.53	33.91	34.15	0.24	3,524.58
MW - 3	12/16/03	3,558.53	34.05	34.38	0.33	3,524.43
MW - 3	03/08/04	3,558.53	34.10	34.47	0.37	3,524.37
MW - 3	05/25/04	3,558.53	33.80	34.00	0.20	3,524.70
MW - 3	08/31/04	3,558.53	34.04	34.40	0.36	3,524.44
MW - 3	09/14/04	3,558.53	34.07	34.33	0.26	3,524.42
MW - 3	09/21/04	3,558.53	34.07	34.42	0.35	3,524.41
MW - 3	10/14/04	3,558.53	sheen	33.04	0.00	3,525.49
MW - 3	10/21/04	3,558.53	sheen	33.15	0.00	3,525.38
MW - 3	10/28/04	3,558.53	sheen	33.16	0.00	3,525.37
MW - 3	11/04/04	3,558.53	sheen	33.30	0.00	3,525.23
MW - 3	11/11/04	3,558.53	sheen	33.30	0.00	3,525.23
MW - 3	11/17/04	3,558.53	sheen	33.32	0.00	3,525.21
MW - 3	11/30/04	3,558.53	sheen	32.75	0.00	3,525.78
MW - 3	12/07/04	3,558.53	sheen	32.70	0.00	3,525.83
MW - 3	12/15/04	3,558.53	sheen	32.60	0.00	3,525.93
MW - 3	12/28/04	3,558.53	sheen	32.72	0.00	3,525.81
MW - 3	01/12/05	3,558.53	sheen	32.76	0.00	3,525.77

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MAREKTING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 3	01/19/05	3,558.53	sheen	32.79	0.00	3,525.74
MW - 3	01/26/05	3,558.53	sheen	32.79	0.00	3,525.74
MW - 3	02/01/05	3,558.53	sheen	32.80	0.00	3,525.73
MW - 3	02/09/05	3,558.53	sheen	32.80	0.00	3,525.73
MW - 3	02/16/05	3,558.53	sheen	32.79	0.00	3,525.74
MW - 3	02/23/05	3,558.53	sheen	32.78	0.00	3,525.75
MW - 3	03/02/05	3,558.53	sheen	32.76	0.00	3,525.77
MW - 3	03/09/05	3,558.53	sheen	32.70	0.00	3,525.83
MW - 3	03/11/05	3,558.53	sheen	32.70	0.00	3,525.83
MW - 3	03/17/05	3,558.53	sheen	32.81	0.00	3,525.72
MW - 3	03/23/05	3,558.53	sheen	32.70	0.00	3,525.83
MW - 3	03/30/05	3,558.53	sheen	32.69	0.00	3,525.84
MW - 3	04/06/05	3,558.53	sheen	32.68	0.00	3,525.85
MW - 3	04/14/05	3,558.53	sheen	32.81	0.00	3,525.72
MW - 3	05/24/05	3,558.53	sheen	32.47	0.00	3,526.06
MW - 3	06/08/05	3,558.53	sheen	32.41	0.00	3,526.12
MW - 3	06/14/05	3,558.53	-	32.36	0.00	3,526.17
MW - 3	06/22/05	3,558.53	sheen	32.36	0.00	3,526.17
MW - 3	07/13/05	3,558.53	sheen	32.33	0.00	3,526.20
MW - 3	07/28/05	3,558.53	sheen	32.33	0.00	3,526.20
MW - 3	08/24/05	3,558.53	32.25	32.33	0.08	3,526.27
MW - 3	09/13/05	3,558.53	32.18	32.45	0.27	3,526.31
MW - 3	09/13/05	3,558.53	32.16	32.47	0.31	3,526.32
MW - 3	09/30/05	3,558.53	32.11	32.65	0.54	3,526.34
MW - 3	10/11/05	3,558.53	32.11	32.70	0.59	3,526.33
MW - 3	10/28/05	3,558.53	32.10	32.70	0.60	3,526.34
MW - 3	11/17/05	3,558.53	32.05	32.66	0.61	3,526.39
MW - 3	12/02/05	3,558.53	32.00	32.21	0.21	3,526.50
MW - 3	12/07/05	3,558.53	32.02	32.30	0.28	3,526.47
MW - 3	12/19/05	3,558.53	31.97	32.36	0.39	3,526.50
MW - 3	12/30/05	3,558.53	31.95	32.29	0.34	3,526.53
MW - 3	01/11/06	3,558.53	31.90	32.25	0.35	3,526.58
MW - 3	01/27/06	3,558.53	31.90	32.40	0.50	3,526.56
MW - 3	02/09/06	3,558.53	31.87	32.20	0.33	3,526.61
MW - 3	02/16/06	3,558.53	31.86	32.13	0.27	3,526.63
MW - 3	02/24/06	3,558.53	31.86	32.07	0.21	3,526.64
MW - 3	03/08/06	3,558.53	31.82	32.03	0.21	3,526.68
MW - 3	03/08/06	3,558.53	31.81	32.00	0.19	3,526.69
MW - 3	03/24/06	3,558.53	31.84	31.96	0.12	3,526.67

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MAREKTING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 3	03/31/06	3,558.53	31.80	31.90	0.10	3,526.72
MW - 3	04/19/06	3,558.53	32.78	32.85	0.07	3,525.74
MW - 3	05/04/06	3,558.53	31.75	31.81	0.06	3,526.77
MW - 3	06/02/06	3,558.53	31.75	31.80	0.05	3,526.77
MW - 3	06/07/06	3,558.53	sheen	31.78	0.00	3,526.75
MW - 3	06/15/06	3,558.53	sheen	31.79	0.00	3,526.74
MW - 3	06/29/06	3,558.53	31.85	31.87	0.02	3,526.68
MW - 3	07/06/06	3,558.53	31.89	31.91	0.02	3,526.64
MW - 3	07/18/06	3,558.53	31.89	31.90	0.01	3,526.64
MW - 3	07/26/06	3,558.53	sheen	31.91	0.00	3,526.62
MW - 3	07/31/06	3,558.53	sheen	31.92	0.00	3,526.61
MW - 3	08/08/06	3,558.53	31.94	31.95	0.01	3,526.59
MW - 3	08/18/06	3,558.53	31.95	31.96	0.01	3,526.58
MW - 3	08/22/06	3,558.53	32.03	32.04	0.01	3,526.50
MW - 3	09/05/06	3,558.53	sheen	32.89	0.00	3,525.64
MW - 3	09/16/06	3,558.53	sheen	31.80	0.00	3,526.73
MW - 3	11/13/06	3,558.53	sheen	31.72	0.00	3,526.81
MW - 3	11/14/06	3,558.53	sheen	31.71	0.00	3,526.82
MW - 3	01/25/07	3,558.53	sheen	31.60	0.00	3,526.93
MW - 3	02/12/07	3,558.53	sheen	31.47	0.00	3,527.06
MW - 3	05/07/07	3,558.53	sheen	31.38	0.00	3,527.15
MW - 3	08/08/07	3,558.53	sheen	31.41	0.00	3,527.12
MW - 3	09/18/07	3,558.53	sheen	32.53	0.00	3,526.00
MW - 3	09/25/07	3,558.53	sheen	31.52	0.00	3,527.01
MW - 3	10/03/07	3,558.53	sheen	31.48	0.00	3,527.05
MW - 3	10/16/07	3,558.53	sheen	31.45	0.00	3,527.08
MW - 3	11/02/07	3,558.53	sheen	31.46	0.00	3,527.07
MW - 3	01/11/08	3,558.53	-	31.38	0.00	3,527.15
MW - 3	01/17/08	3,558.53	-	31.39	0.00	3,527.14
MW - 3	01/22/08	3,558.53	-	30.91	0.00	3,527.62
MW - 3	02/07/08	3,558.53	-	31.38	0.00	3,527.15
MW - 3	02/21/08	3,558.53	-	31.37	0.00	3,527.16
MW - 3	02/29/08	3,558.53	-	31.39	0.00	3,527.14
MW - 3	03/14/08	3,558.53	-	31.34	0.00	3,527.19
MW - 3	03/20/08	3,558.53	-	31.34	0.00	3,527.19
MW - 3	04/03/08	3,558.53	-	31.38	0.00	3,527.15
MW - 3	04/10/08	3,558.53	-	31.36	0.00	3,527.17
MW - 3	04/17/08	3,558.53	-	31.40	0.00	3,527.13
MW - 3	04/24/08	3,558.53	-	31.41	0.00	3,527.12

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MAREKTING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 3	05/01/08	3,558.53	-	31.39	0.00	3,527.14
MW - 3	05/06/08	3,558.53	-	31.39	0.00	3,527.14
MW - 3	05/08/08	3,558.53	-	31.39	0.00	3,527.14
MW - 3	05/15/08	3,558.53	-	31.42	0.00	3,527.11
MW - 3	05/30/08	3,558.53	-	31.45	0.00	3,527.08
MW - 3	06/04/08	3,558.53	-	31.46	0.00	3,527.07
MW - 3	06/24/08	3,558.53	-	31.59	0.00	3,526.94
MW - 3	07/03/08	3,558.53	-	31.63	0.00	3,526.90
MW - 3	07/09/08	3,558.53	-	31.64	0.00	3,526.89
MW - 3	07/14/08	3,558.53	-	31.64	0.00	3,526.89
MW - 3	07/23/08	3,558.53	-	31.63	0.00	3,526.90
MW - 3	08/06/08	3,558.53	-	31.64	0.00	3,526.89
MW - 3	09/09/09	3,558.53	-	31.74	0.00	3,526.79
MW - 3	09/25/08	3,558.53	-	31.73	0.00	3,526.80
MW - 3	09/30/08	3,558.53	-	31.75	0.00	3,526.78
MW - 3	10/07/08	3,558.53	-	31.76	0.00	3,526.77
MW - 3	10/15/08	3,558.53	-	31.85	0.00	3,526.68
MW - 3	10/22/08	3,558.53	-	31.79	0.00	3,526.74
MW - 3	11/03/08	3,558.53	-	31.26	0.00	3,527.27
MW - 3	11/05/08	3,558.53	-	31.70	0.00	3,526.83
MW - 3	11/07/08	3,558.53	-	31.75	0.00	3,526.78
MW - 3	11/14/08	3,558.53	-	31.74	0.00	3,526.79
MW - 3	11/21/08	3,558.53	-	31.81	0.00	3,526.72
MW - 3	11/24/08	3,558.53	-	31.48	0.00	3,527.05
MW - 3	12/05/08	3,558.53	-	31.38	0.00	3,527.15
MW - 3	12/16/08	3,558.53	-	31.65	0.00	3,526.88
MW - 3	01/07/09	3,558.53	-	31.26	0.00	3,527.27
MW - 3	01/16/09	3,558.53	-	31.14	0.00	3,527.39
MW - 3	01/29/09	3,558.53	-	31.66	0.00	3,526.87
MW - 3	02/03/09	3,558.53	-	31.66	0.00	3,526.87
MW - 3	02/09/09	3,558.53	-	31.65	0.00	3,526.88
MW - 3	02/17/09	3,558.53	-	31.60	0.00	3,526.93
MW - 3	02/26/09	3,558.53	-	31.63	0.00	3,526.90
MW - 3	03/02/09	3,558.53	-	31.62	0.00	3,526.91
MW - 3	03/05/09	3,558.53	-	31.67	0.00	3,526.86
MW - 3	03/09/09	3,558.53	-	36.69	0.00	3,521.84
MW - 3	03/16/09	3,558.53	-	31.62	0.00	3,526.91
MW - 3	03/18/09	3,558.53	-	36.70	0.00	3,521.83
MW - 3	03/25/09	3,558.53	-	36.72	0.00	3,521.81

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MAREKTING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 3	03/26/09	3,558.53	-	31.60	0.00	3,526.93
MW - 3	03/27/09	3,558.53	-	31.57	0.00	3,526.96
MW - 3	03/30/09	3,558.53	-	31.62	0.00	3,526.91
MW - 3	04/06/09	3,558.53	-	31.71	0.00	3,526.82
MW - 3	04/15/09	3,558.53	-	31.56	0.00	3,526.97
MW - 3	04/16/09	3,558.53	-	31.63	0.00	3,526.90
MW - 3	04/20/09	3,558.53	-	31.63	0.00	3,526.90
MW - 3	04/23/09	3,558.53	-	31.56	0.00	3,526.97
MW - 3	04/27/09	3,558.53	-	31.55	0.00	3,526.98
MW - 3	04/30/09	3,558.53	-	31.66	0.00	3,526.87
MW - 3	05/06/09	3,558.53	-	31.63	0.00	3,526.90
MW - 3	05/21/09	3,558.53	-	31.64	0.00	3,526.89
MW - 3	05/27/09	3,558.53	-	31.67	0.00	3,526.86
MW - 3	06/08/09	3,558.53	-	31.72	0.00	3,526.81
MW - 3	06/11/09	3,558.53	-	31.75	0.00	3,526.78
MW - 3	06/16/09	3,558.53	-	31.72	0.00	3,526.81
MW - 3	06/22/09	3,558.53	-	31.76	0.00	3,526.77
MW - 3	06/29/09	3,558.53	-	31.73	0.00	3,526.80
MW - 3	07/02/09	3,558.53	-	31.79	0.00	3,526.74
MW - 3	07/10/09	3,558.53	-	31.85	0.00	3,526.68
MW - 3	07/15/09	3,558.53	-	31.76	0.00	3,526.77
MW - 3	07/21/09	3,558.53	-	31.85	0.00	3,526.68
MW - 3	07/29/09	3,558.53	-	31.77	0.00	3,526.76
MW - 3	07/30/09	3,558.53	-	31.78	0.00	3,526.75
MW - 3	08/03/09	3,558.53	-	31.92	0.00	3,526.61
MW - 3	08/05/09	3,558.53	-	31.89	0.00	3,526.64
MW - 3	08/07/09	3,558.53	-	31.94	0.00	3,526.59
MW - 3	08/10/09	3,558.53	-	31.92	0.00	3,526.61
MW - 3	08/19/09	3,558.53	-	31.94	0.00	3,526.59
MW - 3	08/27/09	3,558.53	-	31.98	0.00	3,526.55
MW - 3	08/31/09	3,558.53	-	32.00	0.00	3,526.53
MW - 3	09/11/09	3,558.53	-	32.04	0.00	3,526.49
MW - 3	09/17/09	3,558.53	-	32.04	0.00	3,526.49
MW - 3	09/24/09	3,558.53	-	32.04	0.00	3,526.49
MW - 3	09/29/09	3,558.53	-	32.13	0.00	3,526.40
MW - 3	09/30/09	3,558.53	-	32.05	0.00	3,526.48
MW - 3	10/06/09	3,558.53	-	32.05	0.00	3,526.48
MW - 3	10/27/09	3,558.53	-	32.16	0.00	3,526.37
MW - 3	11/04/09	3,558.53	-	32.22	0.00	3,526.31

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MAREKTING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 3	11/05/09	3,558.53	sheen	32.15	0.00	3,526.38
MW - 3	11/20/09	3,558.53	sheen	32.17	0.00	3,526.36
MW - 3	12/04/09	3,558.53	sheen	32.15	0.00	3,526.38
MW - 3	12/14/09	3,558.53	-	32.03	0.00	3,526.50
MW - 3	12/31/09	3,558.53	sheen	32.28	0.00	3,526.25
MW - 3	01/07/10	3,558.53	sheen	32.29	0.00	3,526.24
MW - 3	01/21/10	3,558.53	sheen	32.17	0.00	3,526.36
MW - 3	02/02/10	3,558.53	sheen	32.29	0.00	3,526.24
MW - 3	02/19/10	3,558.53	sheen	32.23	0.00	3,526.30
MW - 3	03/01/10	3,558.53	32.27	32.51	0.24	3,526.22
MW - 3	03/16/10	3,558.53	32.20	32.51	0.31	3,526.28
MW - 3	03/31/10	3,558.53	32.19	32.52	0.33	3,526.29
MW - 3	04/07/10	3,558.53	32.23	32.46	0.23	3,526.27
MW - 3	04/16/10	3,558.53	32.22	32.44	0.22	3,526.28
MW - 3	04/28/10	3,558.53	32.12	32.29	0.17	3,526.38
MW - 3	05/05/10	3,558.53	32.18	32.49	0.31	3,526.30
MW - 3	05/13/10	3,558.53	32.13	32.28	0.15	3,526.38
MW - 3	05/19/10	3,558.53	32.15	32.26	0.11	3,526.36
MW - 3	05/26/10	3,558.53	32.10	32.46	0.36	3,526.38
MW - 3	06/07/10	3,558.53	32.23	32.62	0.39	3,526.24
MW - 3	06/09/10	3,558.53	32.15	32.27	0.12	3,526.36
MW - 3	07/16/10	3,558.53	31.98	32.46	0.48	3,526.48
MW - 3	07/30/10	3,558.53	31.95	32.38	0.43	3,526.52
MW - 3	08/04/10	3,558.53	31.95	32.38	0.43	3,526.52
MW - 3	08/06/10	3,558.53	31.96	32.35	0.39	3,526.51
MW - 3	08/21/10	3,558.53	31.95	32.24	0.29	3,526.54
MW - 3	09/10/10	3,558.53	31.97	32.36	0.39	3,526.50
MW - 3	09/24/10	3,558.53	31.92	32.29	0.37	3,526.55
MW - 3	10/08/10	3,558.53	31.92	32.22	0.30	3,526.57
MW - 3	11/03/10	3,558.53	32.21	32.54	0.33	3,526.27
MW - 3	12/03/10	3,558.53	31.86	32.07	0.21	3,526.64
MW - 3	12/16/10	3,558.53	31.91	32.46	0.55	3,526.54
MW - 3	02/08/11	3,558.53	32.20	32.57	0.37	3,526.27
MW - 3	05/02/11	3,558.53	31.77	31.97	0.20	3,526.73
MW - 3	05/09/11	3,558.53	31.82	31.87	0.05	3,526.70
MW - 3	05/10/11	3,558.53	31.82	31.87	0.05	3,526.70
MW - 3	05/19/11	3,558.53	sheen	31.82	0.00	3,526.71
MW - 3	05/27/11	3,558.53	sheen	31.82	0.00	3,526.71
MW - 3	06/10/11	3,558.53	sheen	31.86	0.00	3,526.67

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MAREKTING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 3	06/24/11	3,558.53	sheen	31.86	0.00	3,526.67
MW - 3	07/01/11	3,558.53	sheen	31.90	0.00	3,526.63
MW - 3	07/12/11	3,558.53	sheen	31.94	0.00	3,526.59
MW - 3	08/09/11	3,558.53	32.15	32.65	0.50	3,526.31
MW - 3	09/07/11	3,558.53	32.23	33.06	0.83	3,526.18
MW - 3	09/14/11	3,558.53	32.34	32.49	0.15	3,526.17
MW - 3	10/31/11	3,558.53	32.30	32.71	0.41	3,526.17
MW - 3	12/07/11	3,558.53	32.24	33.22	0.98	3,526.14
MW - 3	12/23/11	3,558.53	32.26	33.20	0.94	3,526.13
MW - 3	12/27/11	3,558.53	32.28	32.94	0.66	3,526.15
MW - 3	01/18/12	3,558.53	32.24	33.30	1.06	3,526.13
MW - 3	01/23/12	3,558.53	32.27	33.07	0.80	3,526.14
MW - 3	02/08/12	3,558.53	32.26	34.02	1.76	3,526.01
MW - 3	03/02/12	3,558.53	32.20	33.46	1.26	3,526.14
MW - 3	03/19/12	3,558.53	32.24	33.16	0.92	3,526.15
MW - 3	04/02/12	3,558.53	32.23	33.32	1.09	3,526.14
MW - 3	04/19/12	3,558.53	32.22	33.42	1.20	3,526.13
MW - 3	05/07/12	3,558.53	32.29	33.38	1.09	3,526.08
MW - 3	05/21/12	3,558.53	32.29	33.50	1.21	3,526.06
MW - 3	06/06/12	3,558.53	31.84	32.88	1.04	3,526.53
MW - 3	06/18/12	3,558.53	32.34	33.02	0.68	3,526.09
MW - 3	07/02/12	3,558.53	32.35	37.03	4.68	3,525.48
MW - 3	07/16/12	3,558.53	32.35	37.01	4.66	3,525.48
MW - 3	08/03/12	3,558.53	32.53	32.62	0.09	3,525.99
MW - 3	10/01/12	3,558.53	32.73	32.90	0.17	3,525.77
MW - 3	10/15/12	3,558.53	32.75	32.82	0.07	3,525.77
MW - 3	10/29/12	3,558.53	32.72	32.75	0.03	3,525.81
MW - 3	11/05/12	3,558.53	32.73	32.74	0.01	3,525.80
MW - 3	11/29/12	3,558.53	32.73	32.77	0.04	3,525.79
MW - 3	12/10/12	3,558.53	32.73	32.75	0.02	3,525.80
MW - 3	12/27/12	3,558.53	32.72	32.73	0.01	3,525.81
MW - 3	01/14/13	3,558.53	-	32.74	0.00	3,525.79
MW - 3	02/04/13	3,558.53	-	32.74	0.00	3,525.79
MW - 3	02/06/13	3,558.53	-	32.73	0.00	3,525.80
MW - 3	03/04/13	3,558.53	-	32.73	0.00	3,525.80
MW - 3	04/05/13	3,558.53	-	32.73	0.00	3,525.80
MW - 3	04/08/13	3,558.53	-	32.70	0.00	3,525.83
MW - 3	04/10/13	3,558.53	-	32.75	0.00	3,525.78
MW - 3	04/22/13	3,558.53	-	32.74	0.00	3,525.79

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MAREKTING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 3	05/23/13	3,558.53	-	32.70	0.00	3,525.83
MW - 3	05/30/13	3,558.53	-	32.74	0.00	3,525.79
MW - 3	06/06/13	3,558.53	-	32.75	0.00	3,525.78
MW - 3	06/20/13	3,558.53	-	32.76	0.00	3,525.77
MW - 3	07/02/13	3,558.53	-	32.79	0.00	3,525.74
MW - 3	08/01/13	3,558.53	-	32.86	0.00	3,525.67
MW - 3	11/27/13	3,558.53	-	32.97	0.00	3,525.56
MW - 3	02/17/14	3,558.53	-	32.97	0.00	3,525.56
MW - 3	05/29/14	3,558.53	-	33.04	0.00	3,525.49
MW - 3	07/08/14	3,558.53	-	33.34	0.00	3,525.19
MW - 3	08/28/14	3,558.53	-	33.93	0.00	3,524.60
MW - 3	12/04/14	3,558.53	-	33.09	0.00	3,525.44
MW - 3	02/18/15	3,558.53	-	32.91	0.00	3,525.62
MW - 3	03/31/15	3,558.53	-	32.86	0.00	3,525.67
MW - 3	04/07/15	3,558.53	-	32.85	0.00	3,525.68
MW - 3	04/23/15	3,558.53	-	32.80	0.00	3,525.73
MW - 3	05/13/15	3,558.53	-	32.66	0.00	3,525.87
MW - 3	05/21/15	3,558.53	-	32.70	0.00	3,525.83
MW - 3	05/22/15	3,558.53	-	32.70	0.00	3,525.83
MW - 3	06/30/15	3,558.53	-	32.51	0.00	3,526.02
MW - 3	07/07/15	3,558.53	-	32.48	0.00	3,526.05
MW - 3	07/10/15	3,558.53	-	32.46	0.00	3,526.07
MW - 3	07/24/15	3,558.53	-	32.45	0.00	3,526.08
MW - 3	08/07/15	3,558.53	-	32.41	0.00	3,526.12
MW - 3	08/25/15	3,558.53	-	32.41	0.00	3,526.12
MW - 3	08/27/15	3,558.53	-	32.45	0.00	3,526.08
MW - 3	09/01/15	3,558.53	-	32.47	0.00	3,526.06
MW - 3	09/18/15	3,558.53	-	32.48	0.00	3,526.05
MW - 3	09/28/15	3,558.53	-	32.40	0.00	3,526.13
MW - 3	10/01/15	3,558.53	-	32.42	0.00	3,526.11
MW - 3	10/15/15	3,558.53	-	32.43	0.00	3,526.10
MW - 3	10/22/15	3,558.53	-	32.31	0.00	3,526.22
MW - 3	11/17/15	3,558.53	32.38	32.41	0.03	3,526.15
MW - 3	12/23/15	3,558.53	32.28	32.74	0.46	3,526.18
MW - 3	01/05/16	3,558.53	32.24	32.55	0.31	3,526.24
MW - 3	01/14/16	3,558.53	32.23	32.54	0.31	3,526.25
MW - 3	01/19/16	3,558.53	32.27	32.40	0.13	3,526.24
MW - 3	01/29/16	3,558.53	32.26	32.55	0.29	3,526.23
MW - 3	02/01/16	3,558.53	32.20	32.64	0.44	3,526.26

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MAREKTING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 3	02/11/16	3,558.53	32.20	32.72	0.52	3,526.25
MW - 3	02/16/16	3,558.53	32.20	32.70	0.50	3,526.26
MW - 3	03/03/16	3,558.53	32.15	32.85	0.70	3,526.28
MW - 3	03/11/16	3,558.53	32.16	32.75	0.59	3,526.28
MW - 3	03/15/16	3,558.53	32.21	32.61	0.40	3,526.26
MW - 3	03/30/16	3,558.53	32.15	32.71	0.56	3,526.30
MW - 3	04/06/16	3,558.53	32.15	32.64	0.49	3,526.31
MW - 3	04/14/16	3,558.53	32.12	32.74	0.62	3,526.32
MW - 3	04/20/16	3,558.53	32.10	32.78	0.68	3,526.33
MW - 3	04/26/16	3,558.53	32.12	32.58	0.46	3,526.34
MW - 3	05/02/16	3,558.53	32.15	32.61	0.46	3,526.31
MW - 3	05/17/16	3,558.53	32.12	32.66	0.54	3,526.33
MW - 3	05/27/16	3,558.53	32.11	32.75	0.64	3,526.32
MW - 3	06/03/16	3,558.53	32.13	32.60	0.47	3,526.33
MW - 3	06/07/16	3,558.53	32.15	32.53	0.38	3,526.32
MW - 3	06/16/16	3,558.53	32.16	32.69	0.53	3,526.29
MW - 3	06/20/16	3,558.53	32.21	32.55	0.34	3,526.27
MW - 3	06/29/16	3,558.53	32.24	32.72	0.48	3,526.22
MW - 3	07/06/16	3,558.53	32.27	32.56	0.29	3,526.22
MW - 3	07/11/16	3,558.53	32.30	32.44	0.14	3,526.21
MW - 3	07/20/16	3,558.53	32.37	32.47	0.10	3,526.15
MW - 3	07/27/16	3,558.53	32.37	32.41	0.04	3,526.15
MW - 3	08/04/16	3,558.53	32.39	32.44	0.05	3,526.13
MW - 3	08/12/16	3,558.53	32.41	32.51	0.10	3,526.11
MW - 3	08/17/16	3,558.53	32.42	32.43	0.01	3,526.11
MW - 3	08/23/16	3,558.53	-	32.46	0.00	3,526.07
MW - 3	09/02/16	3,558.53	-	32.33	0.00	3,526.20
MW - 3	09/06/16	3,558.53	-	32.40	0.00	3,526.13
MW - 3	09/15/16	3,558.53	-	32.67	0.00	3,525.86
MW - 3	09/20/16	3,558.53	-	32.30	0.00	3,526.23
MW - 3	09/26/16	3,558.53	-	32.35	0.00	3,526.18
MW - 3	10/06/16	3,558.53	-	32.31	0.00	3,526.22
MW - 3	10/10/16	3,558.53	-	32.30	0.00	3,526.23
MW - 3	10/18/16	3,558.53	-	32.28	0.00	3,526.25
MW - 3	10/25/16	3,558.53	-	32.24	0.00	3,526.29
MW - 3	11/01/16	3,558.53	-	32.24	0.00	3,526.29
MW - 3	11/11/16	3,558.53	32.20	32.21	0.01	3,526.33
MW - 3	11/18/16	3,558.53	-	32.26	0.00	3,526.27
MW - 3	11/28/16	3,558.53	-	32.18	0.00	3,526.35

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MAREKTING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 3	12/09/16	3,558.53	-	32.19	0.00	3,526.34
MW - 3	12/14/16	3,558.53	-	32.19	0.00	3,526.34
MW - 3	12/19/16	3,558.53	-	32.18	0.00	3,526.35
MW - 3	12/27/16	3,558.53	-	32.18	0.00	3,526.35
MW - 4	01/24/00	3,558.14	31.73	32.96	1.23	3,526.23
MW - 4	06/07/00	3,558.14	31.75	33.30	1.55	3,526.16
MW - 4	09/14/00	3,558.14	32.03	33.67	1.64	3,525.86
MW - 4	12/06/00	3,558.14	32.26	33.16	0.90	3,525.75
MW - 4	03/09/01	3,558.14	32.32	32.81	0.49	3,525.75
MW - 4	06/21/01	3,558.14	32.37	32.80	0.43	3,525.71
MW - 4	09/22/01	3,558.14	32.91	34.86	1.95	3,524.94
MW - 4	10/12/01	3,558.14	32.20	32.91	0.71	3,525.83
MW - 4	03/18/02	3,558.14	32.89	33.00	0.11	3,525.23
MW - 4	03/27/02	3,558.14	32.88	33.02	0.14	3,525.24
MW - 4	03/28/02	3,558.14	32.89	32.98	0.09	3,525.24
MW - 4	04/03/02	3,558.14	32.88	33.01	0.13	3,525.24
MW - 4	04/12/02	3,558.14	32.89	32.93	0.04	3,525.24
MW - 4	04/16/02	3,558.14	32.89	32.93	0.04	3,525.24
MW - 4	05/03/02	3,558.14	32.87	32.90	0.03	3,525.27
MW - 4	05/10/02	3,558.14	32.89	32.91	0.02	3,525.25
MW - 4	05/16/02	3,558.14	32.90	32.93	0.03	3,525.24
MW - 4	05/24/02	3,558.14	32.93	32.98	0.05	3,525.20
MW - 4	06/10/02	3,558.14	32.96	33.01	0.05	3,525.17
MW - 4	06/19/02	3,558.14	32.98	33.03	0.05	3,525.15
MW - 4	07/03/02	3,558.14	33.00	33.06	0.06	3,525.13
MW - 4	07/11/02	3,558.14	33.00	33.07	0.07	3,525.13
MW - 4	07/16/02	3,558.14	32.98	33.04	0.06	3,525.15
MW - 4	08/21/02	3,558.14	33.40	36.21	2.81	3,524.32
MW - 4	08/27/02	3,558.14	33.05	33.16	0.11	3,525.07
MW - 4	09/05/02	3,558.14	33.08	33.15	0.07	3,525.05
MW - 4	09/16/02	3,558.14	33.11	33.15	0.04	3,525.02
MW - 4	10/15/02	3,558.14	33.19	33.24	0.05	3,524.94
MW - 4	12/19/02	3,558.14	33.22	33.34	0.12	3,524.90
MW - 4	06/17/03	3,558.14	33.29	33.45	0.16	3,524.83
MW - 4	09/05/03	3,558.14	33.48	33.62	0.14	3,524.64
MW - 4	12/16/03	3,558.14	33.64	33.79	0.15	3,524.48
MW - 4	03/08/04	3,558.14	33.69	33.72	0.03	3,524.45
MW - 4	05/25/04	3,558.14	33.42	33.45	0.03	3,524.72

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MAREKTING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 4	08/31/04	3,558.14	33.64	33.80	0.16	3,524.48
MW - 4	09/14/04	3,558.14	33.66	33.85	0.19	3,524.45
MW - 4	09/21/04	3,558.14	33.66	33.87	0.21	3,524.45
MW - 4	10/14/04	3,558.14	sheen	32.80	0.00	3,525.34
MW - 4	10/21/04	3,558.14	sheen	32.80	0.00	3,525.34
MW - 4	10/28/04	3,558.14	sheen	32.83	0.00	3,525.31
MW - 4	11/04/04	3,558.14	sheen	32.87	0.00	3,525.27
MW - 4	11/11/04	3,558.14	sheen	32.87	0.00	3,525.27
MW - 4	11/17/04	3,558.14	sheen	32.91	0.00	3,525.23
MW - 4	11/30/04	3,558.14	sheen	32.47	0.00	3,525.67
MW - 4	12/07/04	3,558.14	sheen	32.41	0.00	3,525.73
MW - 4	12/13/04	3,558.14	-	32.36	0.00	3,525.78
MW - 4	12/15/04	3,558.14	sheen	32.36	0.00	3,525.78
MW - 4	12/28/04	3,558.14	sheen	32.40	0.00	3,525.74
MW - 4	01/12/05	3,558.14	sheen	32.38	0.00	3,525.76
MW - 4	01/19/05	3,558.14	sheen	32.39	0.00	3,525.75
MW - 4	01/26/05	3,558.14	sheen	32.40	0.00	3,525.74
MW - 4	02/01/05	3,558.14	sheen	32.43	0.00	3,525.71
MW - 4	02/09/05	3,558.14	sheen	32.39	0.00	3,525.75
MW - 4	02/16/05	3,558.14	sheen	32.84	0.00	3,525.30
MW - 4	02/23/05	3,558.14	sheen	32.36	0.00	3,525.78
MW - 4	03/02/05	3,558.14	sheen	32.34	0.00	3,525.80
MW - 4	03/09/05	3,558.14	sheen	32.31	0.00	3,525.83
MW - 4	03/11/05	3,558.14	sheen	32.35	0.00	3,525.79
MW - 4	03/17/05	3,558.14	sheen	32.39	0.00	3,525.75
MW - 4	03/23/05	3,558.14	sheen	32.32	0.00	3,525.82
MW - 4	03/30/05	3,558.14	sheen	32.28	0.00	3,525.86
MW - 4	04/06/05	3,558.14	sheen	32.27	0.00	3,525.87
MW - 4	04/14/05	3,558.14	sheen	32.23	0.00	3,525.91
MW - 4	05/24/05	3,558.14	sheen	32.20	0.00	3,525.94
MW - 4	06/08/05	3,558.14	sheen	31.97	0.00	3,526.17
MW - 4	06/14/05	3,558.14	31.93	31.94	0.01	3,526.21
MW - 4	06/22/05	3,558.14	sheen	31.94	0.00	3,526.20
MW - 4	07/13/05	3,558.14	sheen	32.00	0.00	3,526.14
MW - 4	07/28/05	3,558.14	sheen	31.88	0.00	3,526.26
MW - 4	08/24/05	3,558.14	sheen	31.55	0.00	3,526.59
MW - 4	09/13/05	3,558.14	31.76	31.77	0.01	3,526.38
MW - 4	09/30/05	3,558.14	31.73	31.76	0.03	3,526.41
MW - 4	10/11/05	3,558.14	31.73	31.76	0.03	3,526.41

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MAREKTING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 4	10/28/05	3,558.14	31.71	31.78	0.07	3,526.42
MW - 4	11/17/05	3,558.14	31.69	31.71	0.02	3,526.45
MW - 4	12/07/05	3,558.14	31.59	31.69	0.10	3,526.54
MW - 4	12/19/05	3,558.14	31.56	31.63	0.07	3,526.57
MW - 4	12/30/05	3,558.14	31.55	31.65	0.10	3,526.58
MW - 4	01/11/06	3,558.14	31.50	31.55	0.05	3,526.63
MW - 4	01/27/06	3,558.14	31.50	31.51	0.01	3,526.64
MW - 4	02/09/06	3,558.14	31.45	31.55	0.10	3,526.68
MW - 4	02/24/06	3,558.14	31.43	31.56	0.13	3,526.69
MW - 4	03/08/06	3,558.14	31.40	31.49	0.09	3,526.73
MW - 4	03/08/06	3,558.14	31.38	31.43	0.05	3,526.75
MW - 4	03/24/06	3,558.14	31.37	31.59	0.22	3,526.74
MW - 4	03/31/06	3,558.14	31.35	31.40	0.05	3,526.78
MW - 4	05/04/06	3,558.14	31.28	31.48	0.20	3,526.83
MW - 4	06/02/06	3,558.14	31.30	31.47	0.17	3,526.81
MW - 4	06/07/06	3,558.14	31.31	31.41	0.10	3,526.82
MW - 4	06/15/06	3,558.14	31.31	31.48	0.17	3,526.80
MW - 4	06/29/06	3,558.14	31.32	31.79	0.47	3,526.75
MW - 4	07/06/06	3,558.14	31.38	31.86	0.48	3,526.69
MW - 4	07/18/06	3,558.14	31.41	31.74	0.33	3,526.68
MW - 4	07/26/06	3,558.14	31.42	31.83	0.41	3,526.66
MW - 4	07/31/06	3,558.14	31.42	31.74	0.32	3,526.67
MW - 4	08/08/06	3,558.14	31.44	31.85	0.41	3,526.64
MW - 4	08/18/06	3,558.14	31.44	31.85	0.41	3,526.64
MW - 4	08/22/06	3,558.14	31.74	31.86	0.12	3,526.38
MW - 4	09/05/06	3,558.14	31.59	31.62	0.03	3,526.55
MW - 4	09/16/06	3,558.14	31.32	31.47	0.15	3,526.80
MW - 4	11/13/06	3,558.14	31.20	31.49	0.29	3,526.90
MW - 4	11/14/06	3,558.14	31.20	31.50	0.30	3,526.90
MW - 4	01/10/07	3,558.14	sheen	31.99	0.00	3,526.15
MW - 4	01/25/07	3,558.14	31.10	31.68	0.58	3,526.95
MW - 4	02/06/07	3,558.14	31.07	31.46	0.39	3,527.01
MW - 4	02/12/07	3,558.14	31.09	31.30	0.21	3,527.02
MW - 4	02/13/07	3,558.14	31.08	31.34	0.26	3,527.02
MW - 4	02/20/07	3,558.14	31.06	31.23	0.17	3,527.05
MW - 4	03/07/07	3,558.14	31.06	31.23	0.17	3,527.05
MW - 4	03/27/07	3,558.14	31.03	31.12	0.09	3,527.10
MW - 4	04/11/07	3,558.14	31.03	31.11	0.08	3,527.10
MW - 4	04/25/07	3,558.14	31.01	31.30	0.29	3,527.09

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MAREKTING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 4	05/01/07	3,558.14	30.99	31.06	0.07	3,527.14
MW - 4	05/07/07	3,558.14	30.99	31.14	0.15	3,527.13
MW - 4	05/17/07	3,558.14	30.96	31.02	0.06	3,527.17
MW - 4	05/25/07	3,558.14	30.95	31.01	0.06	3,527.18
MW - 4	06/07/07	3,558.14	30.92	30.96	0.04	3,527.21
MW - 4	06/12/07	3,558.14	30.91	30.96	0.05	3,527.22
MW - 4	06/20/07	3,558.14	sheen	30.96	0.00	3,527.18
MW - 4	06/28/07	3,558.14	sheen	30.93	0.00	3,527.21
MW - 4	07/02/07	3,558.14	sheen	30.94	0.00	3,527.20
MW - 4	07/11/07	3,558.14	-	30.95	0.00	3,527.19
MW - 4	07/18/07	3,558.14	-	30.96	0.00	3,527.18
MW - 4	07/24/07	3,558.14	sheen	30.96	0.00	3,527.18
MW - 4	08/01/07	3,558.14	sheen	30.96	0.00	3,527.18
MW - 4	08/08/07	3,558.14	sheen	30.96	0.00	3,527.18
MW - 4	08/16/07	3,558.14	sheen	30.99	0.00	3,527.15
MW - 4	09/14/07	3,558.14	sheen	31.05	0.00	3,527.09
MW - 4	09/18/07	3,558.14	sheen	31.07	0.00	3,527.07
MW - 4	09/25/07	3,558.14	sheen	31.06	0.00	3,527.08
MW - 4	10/03/07	3,558.14	sheen	31.03	0.00	3,527.11
MW - 4	10/10/07	3,558.14	sheen	31.00	0.00	3,527.14
MW - 4	10/16/07	3,558.14	sheen	30.99	0.00	3,527.15
MW - 4	10/29/07	3,558.14	sheen	32.03	0.00	3,526.11
MW - 4	11/02/07	3,558.14	sheen	31.01	0.00	3,527.13
MW - 4	11/07/07	3,558.14	sheen	30.98	0.00	3,527.16
MW - 4	11/30/07	3,558.14	sheen	30.95	0.00	3,527.19
MW - 4	12/07/07	3,558.14	sheen	30.96	0.00	3,527.18
MW - 4	12/17/07	3,558.14	sheen	25.81	0.00	3,532.33
MW - 4	12/18/07	3,558.14	sheen	30.95	0.00	3,527.19
MW - 4	01/11/08	3,558.14	sheen	30.91	0.00	3,527.23
MW - 4	01/17/08	3,558.14	sheen	30.93	0.00	3,527.21
MW - 4	01/22/08	3,558.14	sheen	30.92	0.00	3,527.22
MW - 4	02/07/08	3,558.14	sheen	30.94	0.00	3,527.20
MW - 4	02/13/08	3,558.14	sheen	30.90	0.00	3,527.24
MW - 4	02/21/08	3,558.14	sheen	30.92	0.00	3,527.22
MW - 4	02/29/08	3,558.14	sheen	30.93	0.00	3,527.21
MW - 4	03/14/08	3,558.14	sheen	30.89	0.00	3,527.25
MW - 4	03/20/08	3,558.14	sheen	30.93	0.00	3,527.21
MW - 4	04/03/08	3,558.14	sheen	30.92	0.00	3,527.22
MW - 4	04/10/08	3,558.14	sheen	30.91	0.00	3,527.23

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MAREKTING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 4	04/17/08	3,558.14	sheen	30.95	0.00	3,527.19
MW - 4	04/24/08	3,558.14	sheen	30.94	0.00	3,527.20
MW - 4	05/01/08	3,558.14	sheen	30.93	0.00	3,527.21
MW - 4	05/06/08	3,558.14	-	30.95	0.00	3,527.19
MW - 4	05/08/08	3,558.14	sheen	30.95	0.00	3,527.19
MW - 4	05/15/08	3,558.14	sheen	30.95	0.00	3,527.19
MW - 4	05/20/08	3,558.14	sheen	30.97	0.00	3,527.17
MW - 4	05/30/08	3,558.14	sheen	31.00	0.00	3,527.14
MW - 4	06/04/08	3,558.14	sheen	30.99	0.00	3,527.15
MW - 4	06/12/08	3,558.14	sheen	31.08	0.00	3,527.06
MW - 4	06/17/08	3,558.14	sheen	31.12	0.00	3,527.02
MW - 4	06/24/08	3,558.14	sheen	31.14	0.00	3,527.00
MW - 4	07/03/08	3,558.14	sheen	31.18	0.00	3,526.96
MW - 4	07/09/08	3,558.14	sheen	31.18	0.00	3,526.96
MW - 4	07/14/08	3,558.14	sheen	31.18	0.00	3,526.96
MW - 4	07/23/08	3,558.14	sheen	31.16	0.00	3,526.98
MW - 4	08/05/08	3,558.14	sheen	31.20	0.00	3,526.94
MW - 4	08/06/08	3,558.14	sheen	31.20	0.00	3,526.94
MW - 4	08/11/08	3,558.14	sheen	31.21	0.00	3,526.93
MW - 4	08/28/08	3,558.14	sheen	31.24	0.00	3,526.90
MW - 4	09/09/08	3,558.14	sheen	31.27	0.00	3,526.87
MW - 4	09/25/08	3,558.14	31.28	31.38	0.10	3,526.85
MW - 4	09/30/08	3,558.14	31.29	31.38	0.09	3,526.84
MW - 4	10/07/08	3,558.14	31.26	31.43	0.17	3,526.85
MW - 4	10/15/08	3,558.14	31.29	31.49	0.20	3,526.82
MW - 4	10/22/08	3,558.14	31.27	31.30	0.03	3,526.87
MW - 4	10/30/08	3,558.14	sheen	31.77	0.00	3,526.37
MW - 4	11/05/08	3,558.14	31.20	31.58	0.38	3,526.88
MW - 4	11/07/08	3,558.14	31.34	31.98	0.64	3,526.70
MW - 4	11/14/08	3,558.14	31.23	31.64	0.41	3,526.85
MW - 4	11/21/08	3,558.14	31.11	31.68	0.57	3,526.94
MW - 4	11/24/08	3,558.14	31.14	31.60	0.46	3,526.93
MW - 4	11/24/08	3,558.14	31.09	31.20	0.11	3,527.03
MW - 4	12/05/08	3,558.14	31.34	31.68	0.34	3,526.75
MW - 4	12/16/08	3,558.14	31.16	31.57	0.41	3,526.92
MW - 4	01/07/09	3,558.14	31.16	31.82	0.66	3,526.88
MW - 4	01/16/09	3,558.14	31.01	31.44	0.43	3,527.07
MW - 4	01/29/09	3,558.14	31.15	31.43	0.28	3,526.95
MW - 4	02/03/09	3,558.14	31.16	31.31	0.15	3,526.96

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MAREKTING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 4	02/09/09	3,558.14	31.15	31.28	0.13	3,526.97
MW - 4	02/17/09	3,558.14	30.15	30.36	0.21	3,527.96
MW - 4	02/26/09	3,558.14	31.22	31.36	0.14	3,526.90
MW - 4	03/02/09	3,558.14	31.13	31.21	0.08	3,527.00
MW - 4	03/05/09	3,558.14	31.28	31.39	0.11	3,526.84
MW - 4	03/09/09	3,558.14	31.30	31.42	0.12	3,526.82
MW - 4	03/16/09	3,558.14	31.14	31.29	0.15	3,526.98
MW - 4	03/18/09	3,558.14	31.32	31.44	0.12	3,526.80
MW - 4	03/25/09	3,558.14	31.34	31.45	0.11	3,526.78
MW - 4	03/26/09	3,558.14	31.11	31.25	0.14	3,527.01
MW - 4	03/27/09	3,558.14	31.18	31.20	0.02	3,526.96
MW - 4	03/30/09	3,558.14	-	31.26	0.00	3,526.88
MW - 4	04/06/09	3,558.14	-	31.22	0.00	3,526.92
MW - 4	04/14/09	3,558.14	31.19	31.22	0.03	3,526.95
MW - 4	04/16/09	3,558.14	-	31.18	0.00	3,526.96
MW - 4	04/20/09	3,558.14	-	31.20	0.00	3,526.94
MW - 4	04/23/09	3,558.14	-	31.20	0.00	3,526.94
MW - 4	04/27/09	3,558.14	-	31.21	0.00	3,526.93
MW - 4	04/30/09	3,558.14	-	31.21	0.00	3,526.93
MW - 4	05/06/09	3,558.14	-	31.19	0.00	3,526.95
MW - 4	05/21/09	3,558.14	-	31.21	0.00	3,526.93
MW - 4	05/27/09	3,558.14	-	31.21	0.00	3,526.93
MW - 4	06/08/09	3,558.14	-	31.27	0.00	3,526.87
MW - 4	06/11/09	3,558.14	sheen	31.43	0.00	3,526.71
MW - 4	06/16/09	3,558.14	sheen	31.78	0.00	3,526.36
MW - 4	06/22/09	3,558.14	sheen	31.30	0.00	3,526.84
MW - 4	06/29/09	3,558.14	sheen	31.27	0.00	3,526.87
MW - 4	07/02/09	3,558.14	-	31.34	0.00	3,526.80
MW - 4	07/10/09	3,558.14	sheen	31.37	0.00	3,526.77
MW - 4	07/15/09	3,558.14	sheen	31.30	0.00	3,526.84
MW - 4	07/21/09	3,558.14	sheen	31.43	0.00	3,526.71
MW - 4	07/29/09	3,558.14	sheen	31.31	0.00	3,526.83
MW - 4	07/30/09	3,558.14	31.40	31.48	0.08	3,526.73
MW - 4	08/03/09	3,558.14	sheen	31.44	0.00	3,526.70
MW - 4	08/05/09	3,558.14	sheen	31.43	0.00	3,526.71
MW - 4	08/07/09	3,558.14	sheen	31.48	0.00	3,526.66
MW - 4	08/10/09	3,558.14	sheen	31.45	0.00	3,526.69
MW - 4	08/19/09	3,558.14	31.45	31.68	0.23	3,526.66
MW - 4	08/27/09	3,558.14	sheen	31.76	0.00	3,526.38

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MAREKTING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 4	08/31/09	3,558.14	sheen	31.78	0.00	3,526.36
MW - 4	09/11/09	3,558.14	31.50	32.10	0.60	3,526.55
MW - 4	09/17/09	3,558.14	31.56	31.73	0.17	3,526.55
MW - 4	09/24/09	3,558.14	31.58	31.77	0.19	3,526.53
MW - 4	09/29/09	3,558.14	sheen	31.68	0.00	3,526.46
MW - 4	09/30/09	3,558.14	sheen	31.60	0.00	3,526.54
MW - 4	10/06/09	3,558.14	sheen	31.69	0.00	3,526.45
MW - 4	10/27/09	3,558.14	sheen	32.14	0.00	3,526.00
MW - 4	11/04/09	3,558.14	31.71	32.13	0.42	3,526.37
MW - 4	11/05/09	3,558.14	31.65	32.07	0.42	3,526.43
MW - 4	11/20/09	3,558.14	31.55	32.95	1.40	3,526.38
MW - 4	12/04/09	3,558.14	31.54	32.92	1.38	3,526.39
MW - 4	12/14/09	3,558.14	31.21	32.08	0.87	3,526.80
MW - 4	12/31/09	3,558.14	31.58	33.72	2.14	3,526.24
MW - 4	01/07/10	3,558.14	31.64	33.74	2.10	3,526.19
MW - 4	01/21/10	3,558.14	31.56	33.20	1.64	3,526.33
MW - 4	02/02/10	3,558.14	31.68	33.00	1.32	3,526.26
MW - 4	02/19/10	3,558.14	31.55	33.56	2.01	3,526.29
MW - 4	03/01/10	3,558.14	31.76	33.04	1.28	3,526.19
MW - 4	03/16/10	3,558.14	31.63	33.00	1.37	3,526.30
MW - 4	03/31/10	3,558.14	31.66	33.00	1.34	3,526.28
MW - 4	04/07/10	3,558.14	31.69	32.73	1.04	3,526.29
MW - 4	04/16/10	3,558.14	31.69	32.68	0.99	3,526.30
MW - 4	04/28/10	3,558.14	31.61	32.49	0.88	3,526.40
MW - 4	05/05/10	3,558.14	31.62	33.11	1.49	3,526.30
MW - 4	05/13/10	3,558.14	31.62	32.50	0.88	3,526.39
MW - 4	05/19/10	3,558.14	31.65	32.51	0.86	3,526.36
MW - 4	05/26/10	3,558.14	31.57	32.80	1.23	3,526.39
MW - 4	06/07/10	3,558.14	31.69	32.92	1.23	3,526.27
MW - 4	06/09/10	3,558.14	31.68	32.53	0.85	3,526.33
MW - 4	07/16/10	3,558.14	31.42	33.24	1.82	3,526.45
MW - 4	07/30/10	3,558.14	31.42	32.65	1.23	3,526.54
MW - 4	08/04/10	3,558.14	31.42	32.65	1.23	3,526.54
MW - 4	08/06/10	3,558.14	31.37	32.40	1.03	3,526.62
MW - 4	08/21/10	3,558.14	31.43	32.42	0.99	3,526.56
MW - 4	09/10/10	3,558.14	31.43	32.66	1.23	3,526.53
MW - 4	09/24/10	3,558.14	31.47	32.40	0.93	3,526.53
MW - 4	10/08/10	3,558.14	31.32	33.14	1.82	3,526.55
MW - 4	11/03/10	3,558.14	31.64	33.15	1.51	3,526.27

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MAREKTING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 4	12/03/10	3,558.14	31.23	33.14	1.91	3,526.62
MW - 4	12/16/10	3,558.14	31.42	32.36	0.94	3,526.58
MW - 4	02/08/11	3,558.14	31.62	33.18	1.56	3,526.29
MW - 4	05/02/11	3,558.14	31.13	33.12	1.99	3,526.71
MW - 4	05/09/11	3,558.14	31.15	32.93	1.78	3,526.72
MW - 4	05/10/11	3,558.14	31.15	32.93	1.78	3,526.72
MW - 4	05/19/11	3,558.14	31.28	32.01	0.73	3,526.75
MW - 4	05/27/11	3,558.14	31.31	31.91	0.60	3,526.74
MW - 4	06/10/11	3,558.14	31.35	32.26	0.91	3,526.65
MW - 4	06/24/11	3,558.14	31.37	32.11	0.74	3,526.66
MW - 4	07/01/11	3,558.14	31.45	32.39	0.94	3,526.55
MW - 4	07/12/11	3,558.14	31.51	32.53	1.02	3,526.48
MW - 4	08/09/11	3,558.14	31.55	33.45	1.90	3,526.31
MW - 4	09/07/11	3,558.14	31.67	33.63	1.96	3,526.18
MW - 4	09/14/11	3,558.14	31.83	32.57	0.74	3,526.20
MW - 4	10/31/11	3,558.14	31.80	32.66	0.86	3,526.21
MW - 4	12/07/11	3,558.14	31.72	33.24	1.52	3,526.19
MW - 4	12/23/11	3,558.14	31.78	32.96	1.18	3,526.18
MW - 4	12/27/11	3,558.14	31.83	32.55	0.72	3,526.20
MW - 4	01/18/12	3,558.14	31.76	33.01	1.25	3,526.19
MW - 4	01/23/12	3,558.14	31.81	32.59	0.78	3,526.21
MW - 4	02/08/12	3,558.14	31.82	31.99	0.17	3,526.29
MW - 4	03/02/12	3,558.14	31.76	33.01	1.25	3,526.19
MW - 4	03/19/12	3,558.14	31.80	32.66	0.86	3,526.21
MW - 4	04/02/12	3,558.14	31.78	32.72	0.94	3,526.22
MW - 4	04/19/12	3,558.14	31.79	32.75	0.96	3,526.21
MW - 4	05/07/12	3,558.14	31.83	32.88	1.05	3,526.15
MW - 4	05/21/12	3,558.14	31.82	33.15	1.33	3,526.12
MW - 4	06/06/12	3,558.14	31.84	32.58	0.74	3,526.19
MW - 4	06/18/12	3,558.14	31.86	32.71	0.85	3,526.15
MW - 4	07/02/12	3,558.14	31.87	32.72	0.85	3,526.14
MW - 4	07/16/12	3,558.14	31.86	32.70	0.84	3,526.15
MW - 4	08/03/12	3,558.14	32.02	32.55	0.53	3,526.04
MW - 4	08/15/12	3,558.14	32.04	32.93	0.89	3,525.97
MW - 4	10/01/12	3,558.14	32.20	33.10	0.90	3,525.81
MW - 4	10/15/12	3,558.14	32.24	32.80	0.56	3,525.82
MW - 4	10/29/12	3,558.14	32.25	32.63	0.38	3,525.83
MW - 4	11/05/12	3,558.14	32.26	32.47	0.21	3,525.85
MW - 4	11/29/12	3,558.14	32.21	32.75	0.54	3,525.85

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MAREKTING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 4	12/10/12	3,558.14	32.25	32.48	0.23	3,525.86
MW - 4	12/27/12	3,558.14	32.24	32.46	0.22	3,525.87
MW - 4	01/14/13	3,558.14	32.35	32.41	0.06	3,525.78
MW - 4	02/04/13	3,558.14	32.24	32.41	0.17	3,525.87
MW - 4	02/06/13	3,558.14	32.26	32.36	0.10	3,525.87
MW - 4	03/04/13	3,558.14	-	32.62	0.00	3,525.52
MW - 4	04/10/13	3,558.14	32.24	32.64	0.40	3,525.84
MW - 4	04/22/13	3,558.14	32.26	32.46	0.20	3,525.85
MW - 4	05/23/13	3,558.14	32.23	32.45	0.22	3,525.88
MW - 4	05/30/13	3,558.14	32.26	32.51	0.25	3,525.84
MW - 4	06/06/13	3,558.14	32.28	32.41	0.13	3,525.84
MW - 4	06/20/13	3,558.14	32.30	32.40	0.10	3,525.83
MW - 4	07/02/13	3,558.14	32.34	32.42	0.08	3,525.79
MW - 4	08/01/13	3,558.14	32.41	32.54	0.13	3,525.71
MW - 4	02/20/14	-	14.90	15.23	0.33	-
MW - 4	02/25/14	-	16.51	17.04	0.53	-
MW - 4	02/27/14	-	16.34	16.40	0.06	-
MW - 4	03/05/14	-	16.41	16.45	0.04	-
MW - 4	03/06/14	-	16.62	16.67	0.05	-
MW - 4	03/13/14	-	16.36	16.43	0.07	-
MW - 4	03/27/14	-	16.40	16.43	0.03	-
MW - 4	04/01/14	-	16.38	16.40	0.02	-
MW - 4	04/03/14	-	16.41	16.43	0.02	-
MW - 4	04/08/14	-	16.45	16.51	0.06	-
MW - 4	04/10/14	-	16.35	16.42	0.07	-
MW - 4	04/15/14	-	16.35	16.38	0.03	-
MW - 4	04/17/14	-	16.40	16.41	0.01	-
MW - 4	04/22/14	-	16.46	16.48	0.02	-
MW - 4	04/24/14	-	16.42	16.44	0.02	-
MW - 4	05/01/14	-	-	16.36	0.00	-
MW - 4	05/08/14	-	16.58	16.59	0.01	-
MW - 4	05/13/14	-	16.37	16.41	0.04	-
MW - 4	05/15/14	-	16.36	16.37	0.01	-
MW - 4	05/20/14	-	-	16.36	0.00	-
MW - 4	05/27/14	-	-	16.40	0.00	-
MW - 4	05/29/14	-	-	16.40	0.00	-
MW - 4	06/03/14	-	-	16.39	0.00	-
MW - 4	06/10/14	-	-	16.47	0.00	-
MW - 4	06/11/14	-	-	16.42	0.00	-

TABLE 1

HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MAREKTING, L.P.
 MONUMENT 18
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE NUMBER 1R-0124

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 4	06/17/14	-	16.44	16.47	0.03	-
MW - 4	06/19/14	-	-	16.43	0.00	-
MW - 4	07/03/14	-	-	16.49	0.00	-
MW - 4	07/08/14	-	-	16.58	0.00	-
MW - 4	07/10/14	-	-	16.62	0.00	-
MW - 4	08/28/14	-	16.74	16.88	0.14	-
MW - 4	02/18/15	-	-	-	-	-
MW - 4	03/31/15	-	-	-	-	-
MW - 4	04/07/15	-	-	-	-	-
MW - 4	04/23/15	-	-	-	-	-
MW - 4	05/13/15	-	-	-	-	-
MW - 4	05/21/15	-	-	-	-	-
MW - 4	06/30/15	-	-	-	-	-
MW - 4	07/07/15	-	-	-	-	-
MW - 4	09/18/15	-	-	-	-	-
MW - 4	10/01/15	-	-	-	-	-
MW - 4	10/15/15	-	-	-	-	-
MW - 4	10/22/15	-	-	-	-	-
MW - 4	11/17/15	-	-	-	-	-
MW - 4	12/23/15	-	-	-	-	-
MW - 4	01/29/16	-	-	-	-	-
MW - 4	02/01/16	-	-	-	-	-
MW - 4	05/17/16	-	-	-	-	-
MW - 4	08/04/16	-	-	-	-	-
MW - 4	11/02/16	-	-	-	-	-
MW - 5	01/24/00	3,560.07	-	34.10	0.00	3,525.97
MW - 5	06/07/00	3,560.07	-	34.12	0.00	3,525.95
MW - 5	09/06/00	3,560.07	-	34.41	0.00	3,525.66
MW - 5	12/06/00	3,560.07	-	34.61	0.00	3,525.46
MW - 5	03/09/01	3,560.07	-	34.53	0.00	3,525.54
MW - 5	06/21/01	3,560.07	-	34.59	0.00	3,525.48
MW - 5	09/22/01	3,560.07	-	34.85	0.00	3,525.22
MW - 5	10/12/01	3,560.07	-	34.88	0.00	3,525.19
MW - 5	03/27/02	3,560.07	-	35.05	0.00	3,525.02
MW - 5	05/16/02	3,560.07	-	35.05	0.00	3,525.02
MW - 5	09/16/02	3,560.07	-	35.29	0.00	3,524.78
MW - 5	12/19/02	3,560.07	-	35.39	0.00	3,524.68
MW - 5	06/17/03	3,560.07	-	35.53	0.00	3,524.54

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MAREKTING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 5	09/05/03	3,560.07	-	35.72	0.00	3,524.35
MW - 5	12/16/03	3,560.07	-	35.70	0.00	3,524.37
MW - 5	03/08/04	3,560.07	-	35.92	0.00	3,524.15
MW - 5	05/25/04	3,560.07	-	35.57	0.00	3,524.50
MW - 5	08/31/04	3,560.07	-	35.90	0.00	3,524.17
MW - 5	12/13/04	3,560.07	-	34.60	0.00	3,525.47
MW - 5	03/11/05	3,560.07	-	34.56	0.00	3,525.51
MW - 5	06/14/05	3,560.07	-	34.20	0.00	3,525.87
MW - 5	09/13/05	3,560.07	-	34.02	0.00	3,526.05
MW - 5	12/07/05	3,560.07	-	33.85	0.00	3,526.22
MW - 5	12/19/05	3,560.07	-	33.81	0.00	3,526.26
MW - 5	03/08/06	3,560.07	-	33.64	0.00	3,526.43
MW - 5	06/07/06	3,560.07	-	33.58	0.00	3,526.49
MW - 5	09/05/06	3,560.07	-	33.68	0.00	3,526.39
MW - 5	11/13/06	3,560.07	-	33.49	0.00	3,526.58
MW - 5	02/12/07	3,560.07	-	33.29	0.00	3,526.78
MW - 5	05/07/07	3,560.07	-	33.26	0.00	3,526.81
MW - 5	08/08/07	3,560.07	-	33.22	0.00	3,526.85
MW - 5	11/02/07	3,560.07	-	33.24	0.00	3,526.83
MW - 5	12/17/07	3,560.07	sheen	25.21	0.00	3,534.86
MW - 5	02/07/08	3,560.07	-	33.21	0.00	3,526.86
MW - 5	05/06/08	3,560.07	-	33.12	0.00	3,526.95
MW - 5	08/06/08	3,560.07	-	33.44	0.00	3,526.63
MW - 5	11/05/08	3,560.07	-	33.48	0.00	3,526.59
MW - 5	02/03/09	3,560.07	-	33.42	0.00	3,526.65
MW - 5	05/06/09	3,560.07	-	33.42	0.00	3,526.65
MW - 5	08/03/09	3,560.07	-	33.68	0.00	3,526.39
MW - 5	11/04/09	3,560.07	-	33.94	0.00	3,526.13
MW - 5	01/07/10	3,560.07	-	33.98	0.00	3,526.09
MW - 5	02/02/10	3,560.07	-	34.02	0.00	3,526.05
MW - 5	05/05/10	3,560.07	-	33.94	0.00	3,526.13
MW - 5	08/04/10	3,560.07	-	33.94	0.00	3,526.13
MW - 5	11/03/10	3,560.07	-	33.93	0.00	3,526.14
MW - 5	02/08/11	3,560.07	-	33.93	0.00	3,526.14
MW - 5	05/02/11	3,560.07	-	33.60	0.00	3,526.47
MW - 5	05/09/11	3,560.07	-	33.98	0.00	3,526.09
MW - 5	05/10/11	3,560.07	-	33.98	0.00	3,526.09
MW - 5	08/09/11	3,560.07	-	34.00	0.00	3,526.07
MW - 5	09/14/11	3,560.07	-	34.13	0.00	3,525.94

TABLE 1

HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MAREKTING, L.P.
 MONUMENT 18
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE NUMBER 1R-0124

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 5	10/31/11	3,560.07	-	34.15	0.00	3,525.92
MW - 5	02/08/12	3,560.07	-	34.06	0.00	3,526.01
MW - 5	05/07/12	3,560.07	-	34.18	0.00	3,525.89
MW - 5	08/03/12	3,560.07	-	34.33	0.00	3,525.74
MW - 5	11/05/12	3,560.07	-	34.50	0.00	3,525.57
MW - 5	02/06/13	3,560.07	-	34.52	0.00	3,525.55
MW - 5	05/23/13	3,560.07	-	34.52	0.00	3,525.55
MW - 5	08/01/13	3,560.07	-	34.63	0.00	3,525.44
MW - 5	11/27/13	3,560.07	-	34.72	0.00	3,525.35
MW - 5	02/17/14	3,560.07	-	34.73	0.00	3,525.34
MW - 5	05/29/14	3,560.07	-	34.75	0.00	3,525.32
MW - 5	08/28/14	3,560.07	-	35.08	0.00	3,524.99
MW - 5	12/04/14	3,560.07	-	34.81	0.00	3,525.26
MW - 5	02/18/15	3,560.07	-	34.65	0.00	3,525.42
MW - 5	03/31/15	3,560.07	-	34.59	0.00	3,525.48
MW - 5	04/07/15	3,560.07	-	34.58	0.00	3,525.49
MW - 5	05/21/15	3,560.07	-	34.43	0.00	3,525.64
MW - 5	07/07/15	3,560.07	-	34.22	0.00	3,525.85
MW - 5	08/25/15	3,560.07	-	34.16	0.00	3,525.91
MW - 5	09/28/15	3,560.07	-	34.15	0.00	3,525.92
MW - 5	10/15/15	3,560.07	-	34.16	0.00	3,525.91
MW - 5	11/17/15	3,560.07	-	34.12	0.00	3,525.95
MW - 5	12/23/15	3,560.07	-	34.05	0.00	3,526.02
MW - 5	01/29/16	3,560.07	-	34.02	0.00	3,526.05
MW - 5	02/01/16	3,560.07	-	34.00	0.00	3,526.07
MW - 5	04/14/16	3,560.07	-	33.94	0.00	3,526.13
MW - 5	05/17/16	3,560.07	-	33.92	0.00	3,526.15
MW - 5	06/29/16	3,560.07	-	34.03	0.00	3,526.04
MW - 5	07/20/16	3,560.07	-	34.11	0.00	3,525.96
MW - 5	08/04/16	3,560.07	-	34.16	0.00	3,525.91
MW - 5	09/26/16	3,560.07	-	34.08	0.00	3,525.99
MW - 5	10/18/16	3,560.07	-	34.01	0.00	3,526.06
MW - 5	11/28/16	3,560.07	-	33.94	0.00	3,526.13
MW - 5	12/27/16	3,560.07	-	33.90	0.00	3,526.17
MW - 6	01/24/00	3,557.64	-	31.34	0.00	3,526.30
MW - 6	06/07/00	3,557.64	-	31.35	0.00	3,526.29
MW - 6	09/06/00	3,557.64	-	31.65	0.00	3,525.99
MW - 6	12/06/00	3,557.64	-	31.86	0.00	3,525.78

TABLE 1

HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MAREKTING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 6	03/09/01	3,557.64	-	31.77	0.00	3,525.87
MW - 6	06/21/01	3,557.64	-	31.85	0.00	3,525.79
MW - 6	09/22/01	3,557.64	-	32.15	0.00	3,525.49
MW - 6	10/12/01	3,557.64	-	32.13	0.00	3,525.51
MW - 6	03/27/02	3,557.64	-	32.29	0.00	3,525.35
MW - 6	05/16/02	3,557.64	-	32.28	0.00	3,525.36
MW - 6	09/16/02	3,557.64	-	32.52	0.00	3,525.12
MW - 6	12/19/02	3,557.64	-	32.63	0.00	3,525.01
MW - 6	12/16/03	3,557.64	-	33.11	0.00	3,524.53
MW - 6	03/08/04	3,557.64	-	33.17	0.00	3,524.47
MW - 6	05/25/04	3,557.64	-	32.87	0.00	3,524.77
MW - 6	08/31/04	3,557.64	-	33.12	0.00	3,524.52
MW - 6	12/13/04	3,557.64	-	31.65	0.00	3,525.99
MW - 6	03/11/05	3,557.64	-	31.71	0.00	3,525.93
MW - 6	06/14/05	3,557.64	-	31.37	0.00	3,526.27
MW - 6	09/13/05	3,557.64	-	31.23	0.00	3,526.41
MW - 6	12/07/05	3,557.64	-	31.07	0.00	3,526.57
MW - 6	12/19/05	3,557.64	-	31.01	0.00	3,526.63
MW - 6	03/08/06	3,557.64	-	30.85	0.00	3,526.79
MW - 6	06/07/06	3,557.64	-	30.82	0.00	3,526.82
MW - 6	09/05/06	3,557.64	-	30.91	0.00	3,526.73
MW - 6	11/13/06	3,557.64	-	30.71	0.00	3,526.93
MW - 6	02/12/07	3,557.64	-	30.59	0.00	3,527.05
MW - 6	05/07/07	3,557.64	-	30.42	0.00	3,527.22
MW - 6	08/08/07	3,557.64	-	30.47	0.00	3,527.17
MW - 6	11/02/07	3,557.64	-	30.51	0.00	3,527.13
MW - 6	02/07/08	3,557.64	-	30.44	0.00	3,527.20
MW - 6	05/06/08	3,557.64	-	30.43	0.00	3,527.21
MW - 6	08/06/08	3,557.64	-	30.74	0.00	3,526.90
MW - 6	11/05/08	3,557.64	-	30.77	0.00	3,526.87
MW - 6	02/03/09	3,557.64	-	30.71	0.00	3,526.93
MW - 6	05/06/09	3,557.64	-	30.69	0.00	3,526.95
MW - 6	08/03/09	3,557.64	-	30.97	0.00	3,526.67
MW - 6	11/04/09	3,557.64	-	31.23	0.00	3,526.41
MW - 6	01/07/10	3,557.64	-	31.28	0.00	3,526.36
MW - 6	02/02/10	3,557.64	-	31.31	0.00	3,526.33
MW - 6	05/05/10	3,557.64	-	31.40	0.00	3,526.24
MW - 6	08/04/10	3,557.64	-	31.40	0.00	3,526.24
MW - 6	11/03/10	3,557.64	-	31.42	0.00	3,526.22

TABLE 1

HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MAREKTING, L.P.
 MONUMENT 18
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE NUMBER 1R-0124

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 6	02/08/11	3,557.64	-	31.40	0.00	3,526.24
MW - 6	05/02/11	3,557.64	-	30.89	0.00	3,526.75
MW - 6	05/09/11	3,557.64	-	30.85	0.00	3,526.79
MW - 6	05/10/11	3,557.64	-	30.85	0.00	3,526.79
MW - 6	08/09/11	3,557.64	-	30.82	0.00	3,526.82
MW - 6	09/14/11	3,557.64	-	31.40	0.00	3,526.24
MW - 6	10/31/11	3,557.64	-	31.45	0.00	3,526.19
MW - 6	02/08/12	3,557.64	-	31.45	0.00	3,526.19
MW - 6	05/07/12	3,557.64	-	31.47	0.00	3,526.17
MW - 6	08/03/12	3,557.64	-	31.62	0.00	3,526.02
MW - 6	11/05/12	3,557.64	-	31.79	0.00	3,525.85
MW - 6	02/06/13	3,557.64	-	31.79	0.00	3,525.85
MW - 6	05/23/13	3,557.64	-	31.79	0.00	3,525.85
MW - 6	08/01/13	3,557.64	-	31.91	0.00	3,525.73
MW - 6	11/27/13	3,557.64	-	32.03	0.00	3,525.61
MW - 6	02/17/14	3,557.64	-	32.01	0.00	3,525.63
MW - 6	05/29/14	3,557.64	-	32.06	0.00	3,525.58
MW - 6	08/28/14	3,557.64	-	32.41	0.00	3,525.23
MW - 6	12/04/14	3,557.64	-	32.13	0.00	3,525.51
MW - 6	02/18/15	3,557.64	-	31.97	0.00	3,525.67
MW - 6	03/31/15	3,557.64	-	31.93	0.00	3,525.71
MW - 6	04/07/15	3,557.64	-	31.90	0.00	3,525.74
MW - 6	05/21/15	3,557.64	-	31.74	0.00	3,525.90
MW - 6	07/07/15	3,557.64	-	31.53	0.00	3,526.11
MW - 6	08/25/15	3,557.64	-	31.47	0.00	3,526.17
MW - 6	09/28/15	3,557.64	-	31.47	0.00	3,526.17
MW - 6	10/15/15	3,557.64	-	31.47	0.00	3,526.17
MW - 6	11/17/15	3,557.64	-	31.43	0.00	3,526.21
MW - 6	12/23/15	3,557.64	-	31.36	0.00	3,526.28
MW - 6	01/29/16	3,557.64	-	31.33	0.00	3,526.31
MW - 6	02/01/16	3,557.64	-	31.31	0.00	3,526.33
MW - 6	02/11/16	3,557.64	-	31.31	0.00	3,526.33
MW - 6	04/14/16	3,557.64	-	31.24	0.00	3,526.40
MW - 6	05/17/16	3,557.64	-	31.23	0.00	3,526.41
MW - 6	06/29/16	3,557.64	-	31.34	0.00	3,526.30
MW - 6	07/20/16	3,557.64	-	31.43	0.00	3,526.21
MW - 6	08/04/16	3,557.64	-	31.46	0.00	3,526.18
MW - 6	09/26/16	3,557.64	-	31.39	0.00	3,526.25
MW - 6	10/18/16	3,557.64	-	31.32	0.00	3,526.32

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MAREKTING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 6	11/28/16	3,557.64	-	31.24	0.00	3,526.40
MW - 6	12/27/16	3,557.64	-	31.21	0.00	3,526.43
MW - 7	01/24/00	3,558.65	-	32.30	0.00	3,526.35
MW - 7	06/07/00	3,558.65	-	32.38	0.00	3,526.27
MW - 7	12/06/00	3,558.65	-	32.81	0.00	3,525.84
MW - 7	03/09/01	3,558.65	-	32.71	0.00	3,525.94
MW - 7	06/21/01	3,558.65	-	32.79	0.00	3,525.86
MW - 7	09/22/01	3,558.65	-	33.05	0.00	3,525.60
MW - 7	10/12/01	3,558.65	-	33.08	0.00	3,525.57
MW - 7	03/27/02	3,558.65	-	34.15	0.00	3,524.50
MW - 7	05/16/02	3,558.65	-	33.25	0.00	3,525.40
MW - 7	09/16/02	3,558.65	-	33.48	0.00	3,525.17
MW - 7	12/19/02	3,558.65	-	33.65	0.00	3,525.00
MW - 7	06/17/03	3,558.65	-	33.67	0.00	3,524.98
MW - 7	12/16/03	3,558.65	-	33.83	0.00	3,524.82
MW - 7	03/08/04	3,558.65	-	34.13	0.00	3,524.52
MW - 7	05/25/04	3,558.65	-	33.90	0.00	3,524.75
MW - 7	08/31/04	3,558.65	-	34.11	0.00	3,524.54
MW - 7	12/13/04	3,558.65	-	32.82	0.00	3,525.83
MW - 7	03/11/05	3,558.65	-	32.65	0.00	3,526.00
MW - 7	06/14/05	3,558.65	-	32.42	0.00	3,526.23
MW - 7	09/13/05	3,558.65	-	32.22	0.00	3,526.43
MW - 7	12/07/05	3,558.65	-	32.04	0.00	3,526.61
MW - 7	12/19/05	3,558.65	-	32.01	0.00	3,526.64
MW - 7	03/08/06	3,558.65	-	31.83	0.00	3,526.82
MW - 7	06/07/06	3,558.65	-	31.76	0.00	3,526.89
MW - 7	09/05/06	3,558.65	-	31.82	0.00	3,526.83
MW - 7	11/13/06	3,558.65	-	31.68	0.00	3,526.97
MW - 7	02/12/07	3,558.65	-	31.46	0.00	3,527.19
MW - 7	05/07/07	3,558.65	-	31.39	0.00	3,527.26
MW - 7	08/08/07	3,558.65	-	31.39	0.00	3,527.26
MW - 7	11/02/07	3,558.65	-	31.43	0.00	3,527.22
MW - 7	12/17/07	3,558.65	sheen	23.56	0.00	3,535.09
MW - 7	02/07/08	3,558.65	-	31.36	0.00	3,527.29
MW - 7	05/06/08	3,558.65	-	31.36	0.00	3,527.29
MW - 7	08/06/08	3,558.65	-	31.65	0.00	3,527.00
MW - 7	11/05/08	3,558.65	-	31.68	0.00	3,526.97
MW - 7	02/03/09	3,558.65	-	31.62	0.00	3,527.03

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MAREKTING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 7	05/06/09	3,558.65	-	31.61	0.00	3,527.04
MW - 7	08/03/09	3,558.65	-	31.85	0.00	3,526.80
MW - 7	11/04/09	3,558.65	-	32.14	0.00	3,526.51
MW - 7	01/07/10	3,558.65	-	32.19	0.00	3,526.46
MW - 7	02/02/10	3,558.65	-	32.24	0.00	3,526.41
MW - 7	05/05/10	3,558.65	-	32.14	0.00	3,526.51
MW - 7	08/04/10	3,558.65	-	32.15	0.00	3,526.50
MW - 7	11/03/10	3,558.65	-	32.14	0.00	3,526.51
MW - 7	02/08/11	3,558.65	-	33.07	0.00	3,525.58
MW - 7	05/02/11	3,558.65	-	31.79	0.00	3,526.86
MW - 7	05/09/11	3,558.65	-	31.78	0.00	3,526.87
MW - 7	05/10/11	3,558.65	-	31.78	0.00	3,526.87
MW - 7	08/09/11	3,558.65	-	31.81	0.00	3,526.84
MW - 7	09/14/11	3,558.65	-	32.34	0.00	3,526.31
MW - 7	10/31/11	3,558.65	-	32.36	0.00	3,526.29
MW - 7	02/08/12	3,558.65	-	32.37	0.00	3,526.28
MW - 7	05/07/12	3,558.65	-	32.39	0.00	3,526.26
MW - 7	08/03/12	3,558.65	-	32.54	0.00	3,526.11
MW - 7	11/05/12	3,558.65	-	32.71	0.00	3,525.94
MW - 7	02/06/13	3,558.65	-	32.71	0.00	3,525.94
MW - 7	05/23/13	3,558.65	-	32.71	0.00	3,525.94
MW - 7	08/01/13	3,558.65	-	32.83	0.00	3,525.82
MW - 7	11/27/13	3,558.65	-	32.96	0.00	3,525.69
MW - 7	02/17/14	3,558.65	-	32.97	0.00	3,525.68
MW - 7	05/29/14	3,558.65	-	32.99	0.00	3,525.66
MW - 7	08/28/14	3,558.65	-	33.33	0.00	3,525.32
MW - 7	12/04/14	3,558.65	-	33.09	0.00	3,525.56
MW - 7	02/18/15	3,558.65	-	32.94	0.00	3,525.71
MW - 7	03/31/15	3,558.65	-	32.87	0.00	3,525.78
MW - 7	04/07/15	3,558.65	-	32.84	0.00	3,525.81
MW - 7	05/21/15	3,558.65	-	32.68	0.00	3,525.97
MW - 7	07/07/15	3,558.65	-	32.45	0.00	3,526.20
MW - 7	08/25/15	3,558.65	-	32.40	0.00	3,526.25
MW - 7	09/28/15	3,558.65	-	32.40	0.00	3,526.25
MW - 7	10/15/15	3,558.65	-	32.40	0.00	3,526.25
MW - 7	11/17/15	3,558.65	-	32.35	0.00	3,526.30
MW - 7	12/23/15	3,558.65	-	32.28	0.00	3,526.37
MW - 7	01/29/16	3,558.65	-	32.26	0.00	3,526.39
MW - 7	02/01/16	3,558.65	-	32.23	0.00	3,526.42

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MAREKTING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 7	04/14/16	3,558.65	-	32.16	0.00	3,526.49
MW - 7	05/17/16	3,558.65	-	32.15	0.00	3,526.50
MW - 7	06/29/16	3,558.65	-	32.26	0.00	3,526.39
MW - 7	07/20/16	3,558.65	-	32.35	0.00	3,526.30
MW - 7	08/04/16	3,558.65	-	32.39	0.00	3,526.26
MW - 7	09/26/16	3,558.65	-	32.31	0.00	3,526.34
MW - 7	10/18/16	3,558.65	-	32.23	0.00	3,526.42
MW - 7	11/28/16	3,558.65	-	32.14	0.00	3,526.51
MW - 7	12/27/16	3,558.65	-	32.14	0.00	3,526.51
MW - 8	01/24/00	3,559.30	-	33.21	0.00	3,526.09
MW - 8	09/06/00	3,559.30	-	33.51	0.00	3,525.79
MW - 8	12/06/00	3,559.30	-	33.71	0.00	3,525.59
MW - 8	03/09/01	3,559.30	-	33.62	0.00	3,525.68
MW - 8	06/21/01	3,559.30	-	33.70	0.00	3,525.60
MW - 8	09/22/01	3,559.30	-	33.95	0.00	3,525.35
MW - 8	10/12/01	3,559.30	-	33.98	0.00	3,525.32
MW - 8	03/27/02	3,559.30	-	34.15	0.00	3,525.15
MW - 8	05/16/02	3,559.30	-	34.16	0.00	3,525.14
MW - 8	09/16/02	3,559.30	-	34.40	0.00	3,524.90
MW - 8	12/19/02	3,559.30	-	34.49	0.00	3,524.81
MW - 8	06/17/03	3,559.30	-	34.63	0.00	3,524.67
MW - 8	09/05/03	3,559.30	-	34.76	0.00	3,524.54
MW - 8	12/16/03	3,559.30	-	34.74	0.00	3,524.56
MW - 8	03/08/04	3,559.30	-	35.02	0.00	3,524.28
MW - 8	05/25/04	3,559.30	-	34.75	0.00	3,524.55
MW - 8	08/31/04	3,559.30	-	35.00	0.00	3,524.30
MW - 8	12/13/04	3,559.30	-	33.70	0.00	3,525.60
MW - 8	03/11/05	3,559.30	-	33.67	0.00	3,525.63
MW - 8	06/14/05	3,559.30	-	33.31	0.00	3,525.99
MW - 8	09/13/05	3,559.30	-	33.12	0.00	3,526.18
MW - 8	12/07/05	3,559.30	-	32.95	0.00	3,526.35
MW - 8	12/19/05	3,559.30	-	32.91	0.00	3,526.39
MW - 8	03/08/06	3,559.30	-	32.73	0.00	3,526.57
MW - 8	06/07/06	3,559.30	-	32.68	0.00	3,526.62
MW - 8	09/05/06	3,559.30	-	32.78	0.00	3,526.52
MW - 8	11/13/06	3,559.30	-	32.60	0.00	3,526.70
MW - 8	02/12/07	3,559.30	-	32.37	0.00	3,526.93
MW - 8	05/07/07	3,559.30	-	32.28	0.00	3,527.02

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MAREKTING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 8	08/08/07	3,559.30	-	32.31	0.00	3,526.99
MW - 8	11/02/07	3,559.30	-	32.31	0.00	3,526.99
MW - 8	02/07/08	3,559.30	-	32.26	0.00	3,527.04
MW - 8	05/06/08	3,559.30	-	32.28	0.00	3,527.02
MW - 8	08/06/08	3,559.30	-	32.54	0.00	3,526.76
MW - 8	11/05/08	3,559.30	-	32.60	0.00	3,526.70
MW - 8	02/03/09	3,559.30	-	32.53	0.00	3,526.77
MW - 8	05/06/09	3,559.30	-	32.51	0.00	3,526.79
MW - 8	08/03/09	3,559.30	-	32.76	0.00	3,526.54
MW - 8	11/04/09	3,559.30	-	33.04	0.00	3,526.26
MW - 8	01/07/10	3,559.30	-	33.10	0.00	3,526.20
MW - 8	02/02/10	3,559.30	-	33.11	0.00	3,526.19
MW - 8	05/05/10	3,559.30	-	33.07	0.00	3,526.23
MW - 8	08/04/10	3,559.30	-	33.06	0.00	3,526.24
MW - 8	11/03/10	3,559.30	-	33.06	0.00	3,526.24
MW - 8	02/08/11	3,559.30	-	32.16	0.00	3,527.14
MW - 8	05/02/11	3,559.30	-	32.70	0.00	3,526.60
MW - 8	05/09/11	3,559.30	-	32.67	0.00	3,526.63
MW - 8	05/10/11	3,559.30	-	32.67	0.00	3,526.63
MW - 8	08/09/11	3,559.30	-	32.66	0.00	3,526.64
MW - 8	09/14/11	3,559.30	-	33.24	0.00	3,526.06
MW - 8	10/31/11	3,559.30	-	33.25	0.00	3,526.05
MW - 8	02/08/12	3,559.30	-	33.25	0.00	3,526.05
MW - 8	05/07/12	3,559.30	-	33.28	0.00	3,526.02
MW - 8	08/03/12	3,559.30	-	33.43	0.00	3,525.87
MW - 8	11/05/12	3,559.30	-	33.60	0.00	3,525.70
MW - 8	02/06/13	3,559.30	-	33.60	0.00	3,525.70
MW - 8	05/23/13	3,559.30	-	33.59	0.00	3,525.71
MW - 8	08/01/13	3,559.30	-	33.72	0.00	3,525.58
MW - 8	11/27/13	3,559.30	-	33.84	0.00	3,525.46
MW - 8	02/17/14	3,559.30	-	33.84	0.00	3,525.46
MW - 8	05/29/14	3,559.30	-	33.89	0.00	3,525.41
MW - 8	12/04/14	-	-	19.20	-	-
MW - 8	02/18/15	-	-	-	-	-
MW - 8	03/31/15	-	-	-	-	-
MW - 8	04/07/15	-	-	-	-	-
MW - 8	05/21/15	-	-	-	-	-
MW - 8	07/07/15	-	-	-	-	-
MW - 8	10/15/15	-	-	-	-	-

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MAREKTING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 8	11/17/15	-	-	-	-	-
MW - 8	12/23/15	-	-	-	-	-
MW - 8	02/01/16	-	-	-	-	-
MW - 8	05/17/16	-	-	-	-	-
MW - 8	08/04/16	-	-	-	-	-
MW - 8	11/02/16	-	-	-	-	-
MW - 9	11/08/04	3,559.94	-	34.87	0.00	3,525.07
MW - 9	11/10/04	3,559.94	-	34.87	0.00	3,525.07
MW - 9	03/11/05	3,559.94	-	34.36	0.00	3,525.58
MW - 9	06/14/05	3,559.94	-	34.01	0.00	3,525.93
MW - 9	09/13/05	3,559.94	-	33.84	0.00	3,526.10
MW - 9	12/07/05	3,559.94	-	33.68	0.00	3,526.26
MW - 9	12/19/05	3,559.94	-	33.64	0.00	3,526.30
MW - 9	03/08/06	3,559.94	-	33.47	0.00	3,526.47
MW - 9	06/07/06	3,559.94	-	33.43	0.00	3,526.51
MW - 9	09/05/06	3,559.94	-	33.54	0.00	3,526.40
MW - 9	11/13/06	3,559.94	-	33.34	0.00	3,526.60
MW - 9	02/12/07	3,559.94	-	33.13	0.00	3,526.81
MW - 9	05/07/07	3,559.94	-	33.11	0.00	3,526.83
MW - 9	08/08/07	3,559.94	-	33.08	0.00	3,526.86
MW - 9	11/02/07	3,559.94	-	33.09	0.00	3,526.85
MW - 9	02/07/08	3,559.94	-	33.02	0.00	3,526.92
MW - 9	05/06/08	3,559.94	-	33.03	0.00	3,526.91
MW - 9	08/06/08	3,559.94	-	33.30	0.00	3,526.64
MW - 9	11/05/08	3,559.94	-	33.33	0.00	3,526.61
MW - 9	02/03/09	3,559.94	-	33.29	0.00	3,526.65
MW - 9	05/06/09	3,559.94	-	33.27	0.00	3,526.67
MW - 9	08/03/09	3,559.94	-	33.55	0.00	3,526.39
MW - 9	11/04/09	3,559.94	-	33.81	0.00	3,526.13
MW - 9	01/07/10	3,559.94	-	33.85	0.00	3,526.09
MW - 9	02/02/10	3,559.94	-	33.87	0.00	3,526.07
MW - 9	05/05/10	3,559.94	-	33.82	0.00	3,526.12
MW - 9	08/04/10	3,559.94	-	33.83	0.00	3,526.11
MW - 9	11/03/10	3,559.94	-	33.82	0.00	3,526.12
MW - 9	02/08/11	3,559.94	-	33.85	0.00	3,526.09
MW - 9	05/02/11	3,559.94	-	33.45	0.00	3,526.49
MW - 9	05/09/11	3,559.94	-	33.45	0.00	3,526.49
MW - 9	05/10/11	3,559.94	-	33.45	0.00	3,526.49

TABLE 1
HISTORIC GROUNDWATER ELEVATION DATA
PLAINS MAREKTING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 9	08/09/11	3,559.94	-	33.46	0.00	3,526.48
MW - 9	09/14/11	3,559.94	-	33.99	0.00	3,525.95
MW - 9	10/31/11	3,559.94	-	34.03	0.00	3,525.91
MW - 9	02/08/12	3,559.94	-	34.02	0.00	3,525.92
MW - 9	05/07/12	3,559.94	-	34.05	0.00	3,525.89
MW - 9	08/03/12	3,559.94	-	34.2	0.00	3,525.74
MW - 9	11/05/12	3,559.94	-	34.36	0.00	3,525.58
MW - 9	02/06/13	3,559.94	-	34.36	0.00	3,525.58
MW - 9	05/09/13	3,559.94	-	34.37	0.00	3,525.57
MW - 9	05/23/13	3,559.94	-	34.37	0.00	3,525.57
MW - 9	08/01/13	3,559.94	-	34.45	0.00	3,525.49
MW - 9	11/27/13	3,559.94	-	34.54	0.00	3,525.40
MW - 9	02/17/14	3,559.94	-	34.57	0.00	3,525.37
MW - 9	05/29/14	3,559.94	-	34.57	0.00	3,525.37
MW - 9	08/28/14	3,559.94	-	34.91	0.00	3,525.03
MW - 9	12/04/14	3,559.94	-	34.64	0.00	3,525.30
MW - 9	02/18/15	3,559.94	-	34.53	0.00	3,525.41
MW - 9	03/31/15	3,559.94	-	34.43	0.00	3,525.51
MW - 9	04/07/15	3,559.94	-	34.42	0.00	3,525.52
MW - 9	05/21/15	3,559.94	-	34.28	0.00	3,525.66
MW - 9	07/07/15	3,559.94	-	34.05	0.00	3,525.89
MW - 9	08/25/15	3,559.94	-	34.00	0.00	3,525.94
MW - 9	09/28/15	3,559.94	-	34.00	0.00	3,525.94
MW - 9	10/15/15	3,559.94	-	34.00	0.00	3,525.94
MW - 9	11/17/15	3,559.94	-	33.94	0.00	3,526.00
MW - 9	12/23/15	3,559.94	-	33.90	0.00	3,526.04
MW - 9	01/29/16	3,559.94	-	33.86	0.00	3,526.08
MW - 9	02/01/16	3,559.94	-	33.83	0.00	3,526.11
MW - 9	04/14/16	3,559.94	-	33.79	0.00	3,526.15
MW - 9	05/17/16	3,559.94	-	33.75	0.00	3,526.19
MW - 9	06/29/16	3,559.94	-	33.86	0.00	3,526.08
MW - 9	07/20/16	3,559.94	-	33.96	0.00	3,525.98
MW - 9	08/04/16	3,559.94	-	33.87	0.00	3,526.07
MW - 9	09/26/16	3,559.94	-	33.90	0.00	3,526.04
MW - 9	10/18/16	3,559.94	-	33.84	0.00	3,526.10
MW - 9	11/28/16	3,559.94	-	33.75	0.00	3,526.19
MW - 9	12/27/16	3,559.94	-	33.74	0.00	3,526.20
MW - 10	11/08/04	3,558.06	-	32.75	0.00	3,525.31

TABLE 1

HISTORIC GROUNDWATER ELEVATION DATA

PLAINS MAREKTING, L.P.
 MONUMENT 18
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE NUMBER 1R-0124

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 10	11/10/04	3,558.06	-	32.77	0.00	3,525.29
MW - 10	03/11/05	3,558.06	-	32.25	0.00	3,525.81
MW - 10	06/14/05	3,558.06	-	31.93	0.00	3,526.13
MW - 10	09/13/05	3,558.06	-	31.77	0.00	3,526.29
MW - 10	12/07/05	3,558.06	-	31.62	0.00	3,526.44
MW - 10	12/19/05	3,558.06	-	31.59	0.00	3,526.47
MW - 10	03/08/06	3,558.06	-	31.41	0.00	3,526.65
MW - 10	06/07/06	3,558.06	-	31.37	0.00	3,526.69
MW - 10	09/05/06	3,558.06	-	32.47	0.00	3,525.59
MW - 10	11/13/06	3,558.06	-	31.28	0.00	3,526.78
MW - 10	02/12/07	3,558.06	-	31.06	0.00	3,527.00
MW - 10	05/07/07	3,558.06	-	31.04	0.00	3,527.02
MW - 10	08/08/07	3,558.06	-	31.02	0.00	3,527.04
MW - 10	11/02/07	3,558.06	-	31.04	0.00	3,527.02
MW - 10	12/17/07	3,558.06	sheen	25.54	0.00	3,532.52
MW - 10	02/07/08	3,558.06	-	30.99	0.00	3,527.07
MW - 10	05/06/08	3,558.06	-	31.00	0.00	3,527.06
MW - 10	08/06/08	3,558.06	-	31.26	0.00	3,526.80
MW - 10	11/05/08	3,558.06	-	31.30	0.00	3,526.76
MW - 10	02/03/09	3,558.06	-	31.25	0.00	3,526.81
MW - 10	05/06/09	3,558.06	-	31.23	0.00	3,526.83
MW - 10	08/03/09	3,558.06	-	31.49	0.00	3,526.57
MW - 10	11/04/09	3,558.06	-	31.77	0.00	3,526.29
MW - 10	01/07/10	3,558.06	-	31.82	0.00	3,526.24
MW - 10	02/02/10	3,558.06	-	31.84	0.00	3,526.22
MW - 10	05/05/10	3,558.06	-	31.79	0.00	3,526.27
MW - 10	08/04/10	3,558.06	-	31.78	0.00	3,526.28
MW - 10	11/03/10	3,558.06	-	31.81	0.00	3,526.25
MW - 10	02/08/11	3,558.06	-	31.82	0.00	3,526.24
MW - 10	05/02/11	3,558.06	-	31.41	0.00	3,526.65
MW - 10	05/09/11	3,558.06	-	31.38	0.00	3,526.68
MW - 10	05/10/11	3,558.06	-	31.38	0.00	3,526.68
MW - 10	08/09/11	3,558.06	-	31.36	0.00	3,526.70
MW - 10	09/14/11	3,558.06	-	31.95	0.00	3,526.11
MW - 10	10/31/11	3,558.06	-	31.97	0.00	3,526.09
MW - 10	02/08/12	3,558.06	-	31.99	0.00	3,526.07
MW - 10	05/07/12	3,558.06	-	31.99	0.00	3,526.07
MW - 10	08/03/12	3,558.06	-	32.14	0.00	3,525.92
MW - 10	11/05/12	3,558.06	-	32.32	0.00	3,525.74

TABLE 1**HISTORIC GROUNDWATER ELEVATION DATA**

**PLAINS MAREKTING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124**

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 10	02/06/13	3,558.06	-	32.31	0.00	3,525.75
MW - 10	05/23/13	3,558.06	-	32.32	0.00	3,525.74
MW - 10	08/01/13	3,558.06	-	32.44	0.00	3,525.62
MW - 10	11/27/13	3,558.06	-	32.55	0.00	3,525.51
MW - 10	02/17/14	3,558.06	-	32.56	0.00	3,525.50
MW - 10	05/29/14	3,558.06	-	32.60	0.00	3,525.46
MW - 10	08/28/14	3,558.06	-	32.93	0.00	3,525.13
MW - 10	12/04/14	3,558.06	-	32.65	0.00	3,525.41
MW - 10	02/18/15	3,558.06	-	32.50	0.00	3,525.56
MW - 10	03/31/15	3,558.06	-	32.43	0.00	3,525.63
MW - 10	04/07/15	3,558.06	-	32.41	0.00	3,525.65
MW - 10	05/21/15	3,558.06	-	32.15	0.00	3,525.91
MW - 10	07/07/15	3,558.06	-	32.05	0.00	3,526.01
MW - 10	08/25/15	3,558.06	-	31.98	0.00	3,526.08
MW - 10	09/28/15	3,558.06	-	31.97	0.00	3,526.09
MW - 10	10/15/15	3,558.06	-	31.99	0.00	3,526.07
MW - 10	11/17/15	3,558.06	-	31.94	0.00	3,526.12
MW - 10	12/23/15	3,558.06	-	31.87	0.00	3,526.19
MW - 10	01/29/16	3,558.06	-	31.86	0.00	3,526.20
MW - 10	02/01/16	3,558.06	-	31.82	0.00	3,526.24
MW - 10	04/14/16	3,558.06	-	31.76	0.00	3,526.30
MW - 10	05/17/16	3,558.06	-	31.74	0.00	3,526.32
MW - 10	06/29/16	3,558.06	-	31.86	0.00	3,526.20
MW - 10	07/20/16	3,558.06	-	31.94	0.00	3,526.12
MW - 10	08/04/16	3,558.06	-	31.98	0.00	3,526.08
MW - 10	09/26/16	3,558.06	-	31.91	0.00	3,526.15
MW - 10	10/18/16	3,558.06	-	31.83	0.00	3,526.23
MW - 10	11/28/16	3,558.06	-	31.75	0.00	3,526.31
MW - 10	12/27/16	3,558.06	-	31.72	0.00	3,526.34

TABLE 2
HISTORIC CONCENTRATIONS OF BTEX IN GROUNDWATER
PLAINS MARKETING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 1	03/11/05	Not Sampled due to PSH in Well				
MW - 1	06/14/05	Not Sampled due to PSH in Well				
MW - 1	09/13/05	Not Sampled due to PSH in Well				
MW - 1	12/19/05	Not Sampled due to PSH in Well				
MW - 1	03/08/06	Not Sampled due to PSH in Well				
MW - 1	06/07/06	Not Sampled due to PSH in Well				
MW - 1	09/05/06	Not Sampled due to PSH in Well				
MW - 1	11/13/06	Not Sampled due to PSH in Well				
MW - 1	02/12/07	Not Sampled due to PSH in Well				
MW - 1	05/07/07	Not Sampled due to PSH in Well				
MW - 1	08/08/07	0.0036	<0.001	0.0064	0.0292	
MW - 1	11/02/07	<0.001	<0.001	0.0017	0.0440	
MW - 1	02/07/08	Not Sampled				
MW - 1	05/06/08	0.0203	<0.005	0.0107	0.0356	
MW - 1	08/06/08	<0.005	<0.005	<0.005	0.0243	
MW - 1	11/05/08	0.0104	0.004	0.0116	0.0337	
MW - 1	02/03/09	0.0028	<0.001	0.0046	0.0239	
MW - 1	05/06/09	<0.001	<0.001	0.0033	0.0131	
MW - 1	08/03/09	0.0073	<0.001	0.0081	0.0216	
MW - 1	11/04/09	0.0052	<0.001	0.0074	0.0199	
MW - 1	02/02/10	0.0086	<0.001	0.0062	0.0157	
MW - 1	05/05/10	0.0050	<0.00100	<0.00100	0.0098	
MW - 1	08/04/10	<0.001	0.0054	<0.001	0.0114	
MW - 1	11/03/10	0.0071	<0.001	0.0057	0.0170	
MW - 1	02/08/11	0.0112	<0.001	0.0098	0.0304	
MW - 1	05/10/11	0.0139	<0.001	0.0105	0.0409	
MW - 1	08/09/11	<0.001	<0.001	<0.001	0.0111	
MW - 1	10/31/11	0.0030	<0.001	0.0027	0.0102	
MW - 1	02/08/12	0.0082	<0.001	0.0089	0.0194	
MW - 1	05/07/12	0.0097	<0.001	0.0097	0.0236	
MW - 1	08/03/12	<0.001	<0.001	0.0088	0.0141	
MW - 1	11/05/12	Not Sampled due to PSH in Well				
MW - 1	02/06/13	Not Sampled due to PSH in Well				
MW - 1	05/23/13	Not Sampled due to PSH in Well				
MW - 1	08/01/13	Not Sampled due to PSH in Well				
MW - 1	11/27/13	Not Sampled due to PSH in Well				
MW - 1	02/17/14	Not Sampled due to PSH in Well				
MW - 1	05/29/14	Not Sampled due to PSH in Well				
MW - 1	08/28/14	Not Sampled due to PSH in Well				

TABLE 2
HISTORIC CONCENTRATIONS OF BTEX IN GROUNDWATER
PLAINS MARKETING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 1	12/04/14	Not Sampled due to PSH in Well				
MW - 1	02/18/15	Not Sampled due to PSH in Well				
MW - 1	05/21/15	Not Sampled due to PSH in Well				
MW - 1	08/25/15	Not Sampled due to PSH in Well				
MW - 1	11/17/15	Not Sampled due to PSH in Well				
MW - 1	02/01/16	Not Sampled due to PSH in Well				
MW - 1	05/17/16	0.00120	<0.00100	0.00820	0.0148	
MW - 1	08/04/16	<0.00100	<0.00100	0.00390	0.00670	
MW - 1	11/28/16	<0.00200	0.00293	0.00667	0.0206	
MW - 2	09/08/99	0.0030	<0.001	0.0020	<0.001	0.001
MW - 2	11/10/99	0.0020	0.001	0.0010	0.0010	0.002
MW - 2	01/24/00	0.0020	<0.001	0.0010	<0.001	0.001
MW - 2	06/07/00	0.0020	<0.001	<0.001	<0.001	<0.001
MW - 2	09/06/00	0.0020	<0.001	<0.001	<0.001	<0.001
MW - 2	12/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 2	03/09/01	0.0010	<0.001	<0.001	<0.001	<0.001
MW - 2	06/21/01	<0.005	<0.005	<0.005	<0.005	
MW - 2	09/27/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 2	10/12/01	0.0010	<0.001	<0.001	<0.001	<0.001
MW - 2	03/27/02	0.0020	<0.001	<0.001	<0.001	<0.001
MW - 2	05/16/02	0.0010	<0.001	<0.001	<0.001	<0.001
MW - 2	09/16/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 2	12/19/02	0.0030	0.003	0.0020	0.0040	0.002
MW - 2	03/03/03	NA	NA	NA	NA	NA
MW - 2	06/17/03	0.0010	<0.001	<0.001	<0.001	<0.001
MW - 2	09/05/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 2	12/16/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 2	03/08/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 2	12/13/04	0.0030	<0.001	<0.001	<0.001	
MW - 2	03/08/05	Not Sampled on Current Sample Schedule				
MW - 2	06/14/05	Not Sampled on Current Sample Schedule				
MW - 2	09/13/05	Plugged and Abandoned				
MW - 3	03/11/05	0.0430	0.007	0.0052	0.0180	
MW - 3	06/14/05	0.0682	<0.005	0.0072	0.0326	
MW - 3	09/13/05	Not Sampled due to PSH in Well				
MW - 3	12/19/05	Not Sampled due to PSH in Well				
MW - 3	03/08/06	Not Sampled due to PSH in Well				

TABLE 2
HISTORIC CONCENTRATIONS OF BTEX IN GROUNDWATER
PLAINS MARKETING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 3	06/07/06	0.0678	0.002	0.0204	0.1040	
MW - 3	09/05/06	0.0215	<0.001	0.0088	0.0357	
MW - 3	11/13/06	0.0087	<0.001	0.0041	0.0155	
MW - 3	02/12/07	0.0517	0.00450	0.0175	0.0901	
MW - 3	05/07/07	0.0390	0.00530	0.0135	0.0721	
MW - 3	08/08/07	0.0358	0.00360	0.0119	0.0512	
MW - 3	11/02/07	0.0680	0.00300	0.0247	0.1140	
MW - 3	02/07/08	Not Sampled due to PSH in Well				
MW - 3	05/06/08	0.1150	0.08680	0.0413	0.1270	
MW - 3	08/06/08	0.0285	<0.005	0.0091	0.0324	
MW - 3	11/05/08	0.0464	<0.005	0.0161	0.0501	
MW - 3	02/03/09	0.0269	0.00220	0.0163	0.0530	
MW - 3	05/06/09	0.0247	<0.001	0.0096	0.0362	
MW - 3	08/03/09	0.0210	<0.001	0.0093	0.0316	
MW - 3	11/04/09	<0.001	<0.001	<0.001	<0.001	
MW - 3	02/02/10	0.03920	0.00400	0.01030	0.0366	
MW - 3	05/05/10	Not Sampled due to PSH in Well				
MW - 3	08/04/10	Not Sampled due to PSH in Well				
MW - 3	11/03/10	Not Sampled due to PSH in Well				
MW - 3	02/08/11	Not Sampled due to PSH in Well				
MW - 3	05/10/11	Not Sampled due to PSH in Well				
MW - 3	08/09/11	Not Sampled due to PSH in Well				
MW - 3	10/31/11	Not Sampled due to PSH in Well				
MW - 3	02/08/12	Not Sampled due to PSH in Well				
MW - 3	05/07/12	Not Sampled due to PSH in Well				
MW - 3	08/03/12	Not Sampled due to PSH in Well				
MW - 3	11/08/12	Not Sampled due to PSH in Well				
MW - 3	04/08/13	0.0138	<0.00100	0.00770	0.0190	
MW - 3	05/23/13	0.0157	<0.00500	<0.00500	<0.00500	
MW - 3	08/01/13	0.0212	<0.00100	0.00830	0.00950	
MW - 3	11/27/13	<0.0500	<0.0500	<0.0500	<0.150	
MW - 3	02/17/14	<0.0500	<0.0500	<0.0500	<0.150	
MW - 3	05/29/14	0.00330	<0.00100	<0.00100	<0.00300	
MW - 3	08/28/14	0.01340	0.00100	0.00490	0.0013	
MW - 3	12/04/14	0.00600	<0.00100	<0.00100	<0.00100	
MW - 3	02/18/15	0.00710	<0.00100	0.00330	0.00110	
MW - 3	05/21/15	0.00640	<0.00100	0.00340	0.00210	
MW - 3	08/25/15	0.00680	<0.00100	0.00320	0.00440	
MW - 3	11/17/15	0.00730	0.00470	0.0107	0.039	

TABLE 2
HISTORIC CONCENTRATIONS OF BTEX IN GROUNDWATER
PLAINS MARKETING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 3	02/01/16	Not Sampled due to PSH in Well				
MW - 3	05/17/16	Not Sampled due to PSH in Well				
MW - 3	08/04/16	Not Sampled due to PSH in Well				
MW - 3	11/28/16	0.00708	<0.00200	0.00599	0.0200	
MW - 4	12/13/04	<0.005	<0.005	<0.005	<0.005	
MW - 4	03/11/05	0.0468	<0.005	0.0491	0.0310	
MW - 4	06/14/05	Not sampled due to PSH in well				
MW - 4	09/13/05	Not sampled due to PSH in well				
MW - 4	12/19/05	Not sampled due to PSH in well				
MW - 4	03/08/06	0.0384	<0.001	0.0693	0.1020	
MW - 4	06/07/06	Not sampled due to PSH in well				
MW - 4	09/05/06	Not sampled due to PSH in well				
MW - 4	11/13/06	Not sampled due to PSH in well				
MW - 4	02/12/07	Not sampled due to PSH in well				
MW - 4	05/07/07	Not sampled due to PSH in well				
MW - 4	08/08/07	0.0754	<0.001	0.0924	0.0939	
MW - 4	11/02/07	0.1180	<0.001	0.0728	0.1410	
MW - 4	02/07/08	0.0744	<0.005	0.1370	0.1260	
MW - 4	05/06/08	0.0541	<0.001	0.0773	0.0622	
MW - 4	08/06/08	0.0135	<0.001	0.0252	0.0185	
MW - 4	11/05/08	0.0409	<0.005	0.0792	0.1100	
MW - 4	02/03/09	Not Sampled				
MW - 4	05/06/09	0.0318	<0.005	0.0720	0.1010	
MW - 4	08/03/09	0.0847	<0.001	0.1520	0.1930	
MW - 4	11/04/09	0.1120	<0.001	0.1540	0.2170	
MW - 4	02/02/10	Not Sampled due to PSH in Well				
MW - 4	05/05/10	Not Sampled due to PSH in Well				
MW - 4	08/04/10	Not Sampled due to PSH in Well				
MW - 4	11/03/10	Not Sampled due to PSH in Well				
MW - 4	02/08/11	Not Sampled due to PSH in Well				
MW - 4	05/10/11	Not Sampled due to PSH in Well				
MW - 4	08/09/11	Not Sampled due to PSH in Well				
MW - 4	10/31/11	Not Sampled due to PSH in Well				
MW - 4	02/08/12	Not Sampled due to PSH in Well				
MW - 4	05/07/12	Not Sampled due to PSH in Well				
MW - 4	08/03/12	Not Sampled due to PSH in Well				
MW - 4	11/08/12	Not Sampled due to PSH in Well				
MW - 4	02/06/13	Not Sampled due to PSH in Well				

TABLE 2
HISTORIC CONCENTRATIONS OF BTEX IN GROUNDWATER
PLAINS MARKETING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 4	05/23/13	Not Sampled due to PSH in Well				
MW - 4	08/01/13	Not Sampled due to PSH in Well				
MW - 4	11/27/13	Not Sampled due to PSH in Well				
MW - 4	02/17/14	Not Sampled due to PSH in Well				
MW - 4	06/11/14	0.0614	<0.00100	0.0628	0.0662	
MW - 4	08/28/14	Not Sampled due to PSH in Well				
MW - 4	12/04/14	Not Sampled due to PSH in Well				
MW - 4	02/15/15	Temporarily Excavated				
MW - 4	05/21/15	Temporarily Excavated				
MW - 4	08/25/15	Temporarily Excavated				
MW - 4	11/17/15	Temporarily Excavated				
MW - 4	02/01/16	Temporarily Excavated				
MW - 4	05/17/16	Temporarily Excavated				
MW - 4	08/04/16	Temporarily Excavated				
MW - 4	11/28/16	Temporarily Excavated				
MW - 5	09/08/99	0.0020	0.001	<0.001	<0.001	<0.001
MW - 5	11/10/99	0.0020	0.001	<0.001	<0.001	0.001
MW - 5	01/24/00	0.0020	0.002	0.0020	<0.001	<0.001
MW - 5	06/07/00	0.0030	0.002	<0.001	<0.001	0.001
MW - 5	09/06/00	0.0040	0.001	0.0020	<0.001	0.001
MW - 5	12/06/00	<0.001	0.002	<0.001	<0.001	<0.001
MW - 5	03/09/01	<0.001	0.002	<0.001	<0.001	<0.001
MW - 5	06/21/01	<0.005	<0.005	<0.005	<0.005	
MW - 5	09/27/01	0.0010	<0.001	<0.001	<0.001	<0.001
MW - 5	10/12/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	03/27/02	0.0010	<0.001	<0.001	<0.001	<0.001
MW - 5	05/16/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	09/16/02	0.0010	<0.001	<0.001	<0.001	<0.001
MW - 5	12/19/02	0.0020	0.001	<0.001	0.0010	<0.001
MW - 5	03/03/03	NA	NA	NA	NA	NA
MW - 5	06/17/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	09/05/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	12/16/03	0.0010	<0.001	<0.001	<0.002	<0.001
MW - 5	03/08/04	0.0020	<0.001	<0.001	<0.002	<0.001
MW - 5	05/25/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 5	12/13/04	<0.001	<0.001	<0.001	<0.001	
MW - 5	03/11/05	Not Sampled on Current Sample Schedule				
MW - 5	06/14/05	0.0018	<0.001	<0.001	<0.001	

TABLE 2
HISTORIC CONCENTRATIONS OF BTEX IN GROUNDWATER
PLAINS MARKETING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 5	09/13/05	Not Sampled on Current Sample Schedule				
MW - 5	12/19/05	0.0018	<0.001	<0.001	<0.001	
MW - 5	03/08/06	Not Sampled on Current Sample Schedule				
MW - 5	06/07/06	<0.005	<0.005	<0.005	<0.005	
MW - 5	09/05/06	Not Sampled on Current Sample Schedule				
MW - 5	11/13/06	<0.001	<0.001	<0.001	<0.001	
MW - 5	02/12/07	Not Sampled on Current Sample Schedule				
MW - 5	05/07/07	<0.001	<0.001	<0.001	<0.001	
MW - 5	08/08/07	Not Sampled on Current Sample Schedule				
MW - 5	11/02/07	<0.001	<0.001	<0.001	<0.001	
MW - 5	02/07/08	<0.001	<0.001	<0.001	<0.001	
MW - 5	05/06/08	Not Sampled on Current Sample Schedule				
MW - 5	08/06/08	Not Sampled on Current Sample Schedule				
MW - 5	11/05/08	<0.001	<0.001	<0.001	<0.001	
MW - 5	02/03/09	Not Sampled on Current Sample Schedule				
MW - 5	05/06/09	<0.001	<0.001	<0.001	<0.001	
MW - 5	08/03/09	Not Sampled on Current Sample Schedule				
MW - 5	11/04/09	<0.001	<0.001	<0.001	<0.001	
MW - 5	02/02/10	Not Sampled on Current Sample Schedule				
MW - 5	05/05/10	<0.001	<0.001	<0.001	<0.001	
MW - 5	08/04/10	Not Sampled on Current Sample Schedule				
MW - 5	11/03/10	<0.001	<0.001	<0.001	<0.001	
MW - 5	02/08/11	Not Sampled on Current Sample Schedule				
MW - 5	05/10/11	<0.001	<0.001	<0.001	<0.001	
MW - 5	08/09/11	Not Sampled on Current Sample Schedule				
MW - 5	10/31/11	<0.001	<0.001	<0.001	<0.001	
MW - 5	02/08/12	Not Sampled on Current Sample Schedule				
MW - 5	05/07/12	<0.001	<0.001	<0.001	<0.001	
MW - 5	08/03/12	Not Sampled on Current Sample Schedule				
MW - 5	11/05/12	<0.001	<0.001	<0.001	<0.001	
MW - 5	02/06/13	Not Sampled on Current Sample Schedule				
MW - 5	05/23/13	<0.001	<0.001	<0.001	<0.001	
MW - 5	08/01/13	Not Sampled on Current Sample Schedule				
MW - 5	11/27/13	<0.001	<0.001	<0.001	<0.00300	
MW - 5	02/17/14	Not Sampled on Current Sample Schedule				
MW - 5	05/29/14	<0.00100	<0.00100	<0.00100	<0.00300	
MW - 5	08/28/14	Not Sampled on Current Sample Schedule				
MW - 5	12/04/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 5	02/18/15	Not Sampled on Current Sample Schedule				

TABLE 2
HISTORIC CONCENTRATIONS OF BTEX IN GROUNDWATER
PLAINS MARKETING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 5	05/21/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 5	08/25/15	Not Sampled on Current Sample Schedule				
MW - 5	11/17/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 5	02/01/16	Not Sampled on Current Sample Schedule				
MW - 5	05/17/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 5	08/04/16	Not Sampled on Current Sample Schedule				
MW - 5	11/28/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 6	09/08/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	11/10/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	01/24/00	0.0020	0.001	<0.001	0.0020	<0.001
MW - 6	06/07/00	0.0020	0.001	<0.001	0.0020	0.002
MW - 6	09/06/00	0.0020	<0.001	<0.001	<0.001	<0.001
MW - 6	12/06/00	0.0010	<0.001	<0.001	<0.001	<0.001
MW - 6	03/09/01	0.0020	<0.001	<0.001	<0.001	<0.001
MW - 6	06/21/01	<0.005	<0.005	<0.005	0.0080	
MW - 6	09/27/01	0.0030	<0.001	<0.001	<0.001	<0.001
MW - 6	10/12/01	0.0010	<0.001	<0.001	<0.001	<0.001
MW - 6	03/27/02	0.0030	<0.001	<0.001	<0.001	<0.001
MW - 6	05/16/02	0.0030	<0.001	<0.001	<0.001	<0.001
MW - 6	09/16/02	0.0030	<0.001	<0.001	<0.001	<0.001
MW - 6	12/19/02	0.0080	0.007	0.0020	0.0040	0.001
MW - 6	03/03/03	NA	NA	NA	NA	NA
MW - 6	06/17/03	NA	NA	NA	NA	NA
MW - 6	12/16/03	0.0090	<0.001	<0.001	<0.002	<0.001
MW - 6	03/08/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 6	12/13/04	<0.001	<0.001	<0.001	<0.001	
MW - 6	03/11/05	Not Sampled on Current Sample Schedule				
MW - 6	06/14/05	Not Sampled on Current Sample Schedule				
MW - 6	09/13/05	Not Sampled on Current Sample Schedule				
MW - 6	12/19/05	<0.001	<0.001	<0.001	<0.001	
MW - 6	03/08/06	Not Sampled on Current Sample Schedule				
MW - 6	06/07/06	Not Sampled on Current Sample Schedule				
MW - 6	09/05/06	Not Sampled on Current Sample Schedule				
MW - 6	11/13/06	<0.001	<0.001	<0.001	<0.001	
MW - 6	02/12/07	Not Sampled on Current Sample Schedule				
MW - 6	05/07/07	Not Sampled on Current Sample Schedule				
MW - 6	08/08/07	Not Sampled on Current Sample Schedule				
MW - 6	11/02/07	<0.001	<0.001	<0.001	<0.001	

TABLE 2
HISTORIC CONCENTRATIONS OF BTEX IN GROUNDWATER
PLAINS MARKETING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 6	02/07/08	<0.001	<0.001	<0.001	<0.001	
MW - 6	05/06/08	Not Sampled on Current Sample Schedule				
MW - 6	08/06/08	Not Sampled on Current Sample Schedule				
MW - 6	11/05/08	<0.001	<0.001	<0.001	0.0014	
MW - 6	02/03/09	Not Sampled on Current Sample Schedule				
MW - 6	05/06/09	Not Sampled on Current Sample Schedule				
MW - 6	08/03/09	Not Sampled on Current Sample Schedule				
MW - 6	11/04/09	<0.001	<0.001	<0.001	<0.001	
MW - 6	02/02/10	Not Sampled on Current Sample Schedule				
MW - 6	05/05/10	Not Sampled on Current Sample Schedule				
MW - 6	08/04/10	Not Sampled on Current Sample Schedule				
MW - 6	11/03/10	<0.001	<0.001	<0.001	<0.001	
MW - 6	02/08/11	Not Sampled on Current Sample Schedule				
MW - 6	05/10/11	Not Sampled on Current Sample Schedule				
MW - 6	08/09/11	Not Sampled on Current Sample Schedule				
MW - 6	10/31/11	<0.001	<0.001	<0.001	<0.001	
MW - 6	02/08/12	Not Sampled on Current Sample Schedule				
MW - 6	05/07/12	Not Sampled on Current Sample Schedule				
MW - 6	08/03/12	Not Sampled on Current Sample Schedule				
MW - 6	11/05/12	<0.001	<0.001	<0.001	<0.001	
MW - 6	02/06/13	Not Sampled on Current Sample Schedule				
MW - 6	05/23/13	Not Sampled on Current Sample Schedule				
MW - 6	08/01/13	Not Sampled on Current Sample Schedule				
MW - 6	11/27/13	<0.001	<0.001	<0.001	<0.00300	
MW - 6	02/17/14	Not Sampled on Current Sample Schedule				
MW - 6	05/29/14	Not Sampled on Current Sample Schedule				
MW - 6	08/28/14	Not Sampled on Current Sample Schedule				
MW - 6	12/04/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 6	02/18/15	Not Sampled on Current Sample Schedule				
MW - 6	05/21/15	Not Sampled on Current Sample Schedule				
MW - 6	08/25/15	Not Sampled on Current Sample Schedule				
MW - 6	11/17/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 6	02/01/16	Not Sampled on Current Sample Schedule				
MW - 6	05/17/16	Not Sampled on Current Sample Schedule				
MW - 6	08/04/16	Not Sampled on Current Sample Schedule				
MW - 6	11/28/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 7	09/08/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	11/10/99	<0.001	<0.001	<0.001	<0.001	<0.001

TABLE 2
HISTORIC CONCENTRATIONS OF BTEX IN GROUNDWATER
PLAINS MARKETING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 7	01/24/00	0.0020	0.001	0.0020	<0.001	0.001
MW - 7	06/07/00	0.0010	0.002	<0.001	<0.001	<0.001
MW - 7	12/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	03/09/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	06/21/01	<0.005	<0.005	<0.005	<0.005	
MW - 7	09/27/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	10/12/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	03/27/02	0.0020	<0.001	<0.001	<0.001	<0.001
MW - 7	05/16/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	09/16/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	12/19/02	0.0050	0.004	0.0020	0.0030	0.001
MW - 7	03/03/03	NA	NA	NA	NA	NA
MW - 7	06/17/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	09/05/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	12/16/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 7	03/08/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 7	12/13/04	<0.001	<0.001	<0.001	<0.001	
MW - 7	03/11/05	Not Sampled on Current Sample Schedule				
MW - 7	06/14/05	Not Sampled on Current Sample Schedule				
MW - 7	09/13/05	Not Sampled on Current Sample Schedule				
MW - 7	12/19/05	<0.001	<0.001	<0.001	<0.001	
MW - 7	03/08/06	Not Sampled on Current Sample Schedule				
MW - 7	06/07/06	Not Sampled on Current Sample Schedule				
MW - 7	09/05/06	Not Sampled on Current Sample Schedule				
MW - 7	11/13/06	<0.001	<0.001	0.0012	<0.001	
MW - 7	02/12/07	Not Sampled on Current Sample Schedule				
MW - 7	05/07/07	Not Sampled on Current Sample Schedule				
MW - 7	08/08/07	Not Sampled on Current Sample Schedule				
MW - 7	11/02/07	<0.001	<0.001	0.0027	<0.001	
MW - 7	02/07/08	Not Sampled on Current Sample Schedule				
MW - 7	05/06/08	Not Sampled on Current Sample Schedule				
MW - 7	08/06/08	Not Sampled on Current Sample Schedule				
MW - 7	11/05/08	0.0027	<0.001	0.0026	0.0167	
MW - 7	02/03/09	Not Sampled on Current Sample Schedule				
MW - 7	05/06/09	Not Sampled on Current Sample Schedule				
MW - 7	08/03/09	Not Sampled on Current Sample Schedule				
MW - 7	11/04/09	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/02/10	Not Sampled on Current Sample Schedule				
MW - 7	05/05/10	Not Sampled on Current Sample Schedule				

TABLE 2
HISTORIC CONCENTRATIONS OF BTEX IN GROUNDWATER
PLAINS MARKETING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 7	08/04/10	Not Sampled on Current Sample Schedule				
MW - 7	11/03/10	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/08/11	Not Sampled on Current Sample Schedule				
MW - 7	05/10/11	Not Sampled on Current Sample Schedule				
MW - 7	08/09/11	Not Sampled on Current Sample Schedule				
MW - 7	10/31/11	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/08/12	Not Sampled on Current Sample Schedule				
MW - 7	05/07/12	Not Sampled on Current Sample Schedule				
MW - 7	08/03/12	Not Sampled on Current Sample Schedule				
MW - 7	11/08/12	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/06/13	Not Sampled on Current Sample Schedule				
MW - 7	05/23/13	Not Sampled on Current Sample Schedule				
MW - 7	08/01/13	Not Sampled on Current Sample Schedule				
MW - 7	11/27/13	<0.001	<0.001	<0.001	<0.00300	
MW - 7	02/17/14	Not Sampled on Current Sample Schedule				
MW - 7	05/29/14	Not Sampled on Current Sample Schedule				
MW - 7	08/28/14	Not Sampled on Current Sample Schedule				
MW - 7	12/04/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 7	02/18/15	Not Sampled on Current Sample Schedule				
MW - 7	05/21/15	Not Sampled on Current Sample Schedule				
MW - 7	08/25/15	Not Sampled on Current Sample Schedule				
MW - 7	11/17/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 7	02/01/16	Not Sampled on Current Sample Schedule				
MW - 7	05/17/16	Not Sampled on Current Sample Schedule				
MW - 7	08/04/16	Not Sampled on Current Sample Schedule				
MW - 7	11/28/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 8	09/08/99	0.0010	<0.001	<0.001	<0.001	0.001
MW - 8	11/10/99	0.0020	<0.001	<0.001	<0.001	0.001
MW - 8	01/24/00	0.0020	<0.001	0.0020	<0.001	0.001
MW - 8	09/06/00	0.0020	<0.001	<0.001	<0.001	<0.001
MW - 8	12/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	03/09/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	06/21/01	<0.005	<0.005	<0.005	<0.005	
MW - 8	09/27/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	10/12/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	03/27/02	0.0020	<0.001	<0.001	<0.001	<0.001
MW - 8	05/16/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	09/16/02	0.0010	<0.001	<0.001	<0.001	<0.001

TABLE 2
HISTORIC CONCENTRATIONS OF BTEX IN GROUNDWATER
PLAINS MARKETING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 8	12/19/02	0.0020	0.001	<0.001	0.0010	<0.001
MW - 8	03/03/03	NA	NA	NA	NA	NA
MW - 8	06/17/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	09/05/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	12/16/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 8	03/08/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 8	12/13/04	<0.001	<0.001	<0.001	<0.001	
MW - 8	03/11/05	Not Sampled on Current Sample Schedule				
MW - 8	06/14/05	Not Sampled on Current Sample Schedule				
MW - 8	09/13/05	Not Sampled on Current Sample Schedule				
MW - 8	12/19/05	<0.001	<0.001	<0.001	<0.001	
MW - 8	03/08/06	Not Sampled on Current Sample Schedule				
MW - 8	06/07/06	Not Sampled on Current Sample Schedule				
MW - 8	09/05/06	Not Sampled on Current Sample Schedule				
MW - 8	11/13/06	<0.001	<0.001	<0.001	<0.001	
MW - 8	02/12/07	Not Sampled on Current Sample Schedule				
MW - 8	05/07/07	Not Sampled on Current Sample Schedule				
MW - 8	08/08/07	Not Sampled on Current Sample Schedule				
MW - 8	11/02/07	<0.001	<0.001	<0.001	<0.001	
MW - 8	02/07/08	Not Sampled on Current Sample Schedule				
MW - 8	05/06/08	Not Sampled on Current Sample Schedule				
MW - 8	08/06/08	Not Sampled on Current Sample Schedule				
MW - 8	11/05/08	<0.001	<0.001	<0.001	<0.001	
MW - 8	02/03/09	Not Sampled on Current Sample Schedule				
MW - 8	05/06/09	Not Sampled on Current Sample Schedule				
MW - 8	08/03/09	Not Sampled on Current Sample Schedule				
MW - 8	11/04/09	<0.001	<0.001	<0.001	<0.001	
MW - 8	02/02/10	Not Sampled on Current Sample Schedule				
MW - 8	05/05/10	Not Sampled on Current Sample Schedule				
MW - 8	08/04/10	Not Sampled on Current Sample Schedule				
MW - 8	11/03/10	<0.001	<0.001	<0.001	<0.001	
MW - 8	02/08/11	Not Sampled on Current Sample Schedule				
MW - 8	05/10/11	Not Sampled on Current Sample Schedule				
MW - 8	08/09/11	Not Sampled on Current Sample Schedule				
MW - 8	10/31/11	<0.001	<0.001	<0.001	<0.001	
MW - 8	02/08/12	Not Sampled on Current Sample Schedule				
MW - 8	05/07/12	Not Sampled on Current Sample Schedule				
MW - 8	08/03/12	Not Sampled on Current Sample Schedule				
MW - 8	11/08/12	<0.001	<0.001	<0.001	<0.001	

TABLE 2
HISTORIC CONCENTRATIONS OF BTEX IN GROUNDWATER
PLAINS MARKETING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 8	02/06/13	Not Sampled on Current Sample Schedule				
MW - 8	05/23/13	Not Sampled on Current Sample Schedule				
MW - 8	08/01/13	Not Sampled on Current Sample Schedule				
MW - 8	11/27/13	0.00100	<0.001	<0.001	<0.00300	
MW - 8	02/17/14	Not Sampled on Current Sample Schedule				
MW - 8	05/29/14	Not Sampled on Current Sample Schedule				
MW - 8	08/28/14	Not Sampled on Current Sample Schedule				
MW - 8	12/04/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 8	02/18/15	Not Sampled on Current Sample Schedule				
MW - 8	05/21/15	Not Sampled on Current Sample Schedule				
MW - 8	08/25/15	Not Sampled on Current Sample Schedule				
MW - 8	11/17/15	Temporarily Excavated				
MW - 8	02/01/16	Not Sampled on Current Sample Schedule				
MW - 8	05/17/16	Not Sampled on Current Sample Schedule				
MW - 8	08/04/16	Not Sampled on Current Sample Schedule				
MW - 8	11/28/16	Temporarily Excavated				
MW - 9	11/10/04	<0.001	<0.001	<0.001	<0.001	
MW - 9	03/11/05	<0.001	<0.001	<0.001	<0.001	
MW - 9	06/14/05	<0.001	<0.001	<0.001	<0.001	
MW - 9	09/13/05	<0.001	<0.001	<0.001	<0.001	
MW - 9	12/19/05	<0.001	<0.001	<0.001	<0.001	
MW - 9	03/08/06	0.0010	<0.001	<0.001	<0.001	
MW - 9	06/07/06	<0.005	<0.005	<0.005	<0.005	
MW - 9	09/05/06	Not Sampled				
MW - 9	11/13/06	<0.001	<0.001	<0.001	<0.001	
MW - 9	02/12/07	<0.001	<0.001	<0.001	<0.001	
MW - 9	05/07/07	<0.001	<0.001	<0.001	<0.001	
MW - 9	08/08/07	<0.001	<0.001	<0.001	<0.001	
MW - 9	11/02/07	<0.001	<0.001	<0.001	<0.001	
MW - 9	02/07/08	<0.001	<0.001	<0.001	<0.001	
MW - 9	05/06/08	<0.001	<0.001	<0.001	0.0039	
MW - 9	08/06/08	<0.001	<0.001	<0.001	<0.001	
MW - 9	11/05/08	<0.001	<0.001	<0.001	<0.001	
MW - 9	02/03/09	<0.001	<0.001	<0.001	<0.001	
MW - 9	05/07/09	<0.001	<0.001	<0.001	<0.001	
MW - 9	08/03/09	0.0040	<0.001	0.0087	0.0174	
MW - 9	11/04/09	<0.001	<0.001	<0.001	<0.001	
MW - 9	02/02/10	<0.001	<0.001	<0.001	<0.001	

TABLE 2
HISTORIC CONCENTRATIONS OF BTEX IN GROUNDWATER
PLAINS MARKETING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 9	05/05/10	<0.001	<0.001	<0.001	<0.001	
MW - 9	08/04/10	<0.001	<0.001	<0.001	<0.001	
MW - 9	11/03/10	<0.001	<0.001	<0.001	<0.001	
MW - 9	02/08/11	<0.001	<0.001	0.0078	0.0218	
MW - 9	05/10/11	<0.001	<0.001	<0.001	<0.001	
MW - 9	08/09/11	<0.001	<0.001	<0.001	<0.001	
MW - 9	10/31/11	<0.001	<0.001	<0.001	<0.001	
MW - 9	02/08/12	<0.001	<0.001	<0.001	<0.001	
MW - 9	05/07/12	<0.001	<0.001	<0.001	<0.001	
MW - 9	08/03/12	<0.001	<0.001	<0.001	<0.001	
MW - 9	11/08/12	<0.001	<0.001	<0.001	<0.001	
MW - 9	02/06/13	<0.001	<0.001	<0.001	<0.001	
MW - 9	05/23/13	<0.001	<0.001	<0.001	<0.001	
MW - 9	08/01/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 9	11/27/13	<0.00100	<0.00100	<0.00100	<0.00300	
MW - 9	02/17/14	<0.00100	<0.00100	<0.00100	<0.00300	
MW - 9	05/29/14	<0.00100	<0.00100	<0.00100	<0.00300	
MW - 9	08/28/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 9	12/04/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 9	02/18/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 9	05/21/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 9	08/25/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 9	11/17/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 9	02/01/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 9	05/17/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 9	08/04/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 9	11/28/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 10	11/10/04	0.0036	<0.001	<0.001	<0.001	
MW - 10	03/11/05	0.0022	<0.001	<0.001	<0.001	
MW - 10	06/14/05	0.0023	<0.001	<0.001	<0.001	
MW - 10	09/13/05	0.0023	<0.001	<0.001	<0.001	
MW - 10	12/19/05	0.0025	<0.001	<0.001	<0.001	
MW - 10	03/08/06	0.0019	<0.001	<0.001	<0.001	
MW - 10	06/07/06	<0.005	<0.005	<0.005	<0.005	
MW - 10	09/05/06	0.0020	<0.001	<0.001	<0.001	
MW - 10	11/13/06	<0.001	<0.001	<0.001	<0.001	
MW - 10	02/12/07	<0.001	<0.001	<0.001	<0.001	
MW - 10	05/07/07	<0.001	<0.001	<0.001	<0.001	

TABLE 2
HISTORIC CONCENTRATIONS OF BTEX IN GROUNDWATER
PLAINS MARKETING, L.P.
MONUMENT 18
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0124

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 10	08/08/07	<0.001	<0.001	<0.001	<0.001	
MW - 10	11/02/07	0.0012	<0.001	<0.001	<0.001	
MW - 10	02/07/08	<0.001	<0.001	<0.001	<0.001	
MW - 10	05/06/08	<0.001	<0.001	<0.001	<0.001	
MW - 10	08/06/08	<0.001	<0.001	<0.001	<0.001	
MW - 10	11/05/08	<0.001	<0.001	<0.001	<0.001	
MW - 10	02/03/09	<0.001	<0.001	<0.001	<0.001	
MW - 10	05/07/09	0.0022	<0.001	<0.001	<0.001	
MW - 10	08/03/09	<0.001	<0.001	<0.001	<0.001	
MW - 10	11/04/09	<0.001	<0.001	<0.001	<0.001	
MW - 10	02/02/10	<0.001	<0.001	<0.001	<0.001	
MW - 10	05/05/10	<0.001	<0.001	<0.001	<0.001	
MW - 10	08/04/10	<0.001	<0.001	<0.001	<0.001	
MW - 10	11/03/10	<0.001	<0.001	<0.001	<0.001	
MW - 10	02/08/11	<0.001	<0.001	<0.001	<0.001	
MW - 10	05/10/11	<0.001	<0.001	<0.001	<0.001	
MW - 10	08/09/11	<0.001	<0.001	<0.001	<0.001	
MW - 10	10/31/11	<0.001	<0.001	<0.001	<0.001	
MW - 10	02/08/12	<0.001	<0.001	<0.001	<0.001	
MW - 10	05/07/12	<0.001	<0.001	<0.001	<0.001	
MW - 10	08/03/12	<0.001	<0.001	<0.001	<0.001	
MW - 10	11/08/12	<0.001	<0.001	<0.001	<0.001	
MW - 10	02/06/13	<0.001	<0.001	<0.001	<0.001	
MW - 10	05/23/13	<0.001	<0.001	<0.001	<0.001	
MW - 10	08/01/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 10	11/27/13	<0.00100	<0.00100	<0.00100	<0.00300	
MW - 10	02/17/14	<0.00100	<0.00100	<0.00100	<0.00300	
MW - 10	05/29/14	<0.00100	<0.00100	<0.00100	<0.00300	
MW - 10	08/28/14	<0.00100	<0.00100	<0.00100	0.0010	
MW - 10	12/04/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 10	02/18/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 10	05/21/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 10	08/25/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 10	11/17/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 10	02/01/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 10	05/18/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 10	08/04/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 10	11/28/16	<0.00200	<0.00200	<0.00200	<0.00200	

TABLE 3

HISTORIC POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
 MONUMENT 18
 LEA COUNTY, NEW MEXICO
 NMOC REFERENCE NUMBER 1R-0124

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	11/05/08	<0.000917	<0.000917	0.00362	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	0.0169	<0.000917	0.01654	<0.000917	0.00796	0.0678	0.0197	0.0134
	11/04/09	<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	0.0019	<0.000184	0.000736	0.00928	0.00135	0.00276
	11/03/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/15/11	<0.00186	<0.00186	<0.00186	<0.00186	<0.00186	<0.00186	<0.00186	<0.00186	<0.00186	<0.00186	<0.00186	<0.00186	<0.00186	0.0095	<0.00186	<0.00186	0.0326	<0.00186	0.0104
	11/05/12	Not Sampled due to presence of PSH.																		
	11/27/13	Not Sampled due to presence of PSH.																		
	12/04/14	Not Sampled due to presence of PSH.																		
	11/17/15	Not Sampled due to presence of PSH.																		
	11/28/16	0.00299	0.00110	0.00687	0.00172	0.000314	0.000540	0.000490	0.000482	0.00120	0.000461	0.000340	0.00859	0.000376	0.00616	<0.000277	0.00344		0.00571	
MW-3	11/05/08	<0.000930	<0.000930	0.0018	<0.000930	<0.000930	<0.000930	<0.000930	<0.000930	<0.000930	<0.000930	<0.000930	0.0131	<0.000930	0.0187	<0.000930	0.0076	0.0563	0.0259	0.0122
	11/04/09	<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	0.0078	<0.000184	0.00188	0.0290	0.00342	0.00481
	11/03/10	Not Sampled due to presence of PSH.																		
	12/15/11	Not Sampled due to presence of PSH.																		
	11/05/12	Not Sampled due to presence of PSH.																		
	11/27/13	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	0.015	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
	12/04/14	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
	11/17/15	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	0.0773	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
	11/28/16	0.00318	0.00140	0.00317	0.00270	0.000470	0.000536	0.000622	<0.000274	0.00215	0.000524	0.000591	0.00924	0.000440	0.0149	0.000415	0.00707		0.00658	
MW-4	11/05/08	<0.000930	<0.000930	<0.000930	<0.000930	<0.000930	<0.000930	<0.000930	<0.000930	<0.000930	<0.000930	<0.000930	0.00648	<0.000930	0.0084	<0.000930	0.00378	0.0163	0.00778	0.00584
	11/04/09	<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	0.00174	<0.000184	0.00141	0.00559	0.00389	0.00118
	11/03/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/15/11	Not Sampled due to presence of PSH.																		
	11/05/12	Not Sampled due to presence of PSH.																		
	11/27/13	Not Sampled due to presence of PSH.																		
	12/04/14	Not Sampled due to Excavation Activities																		
	11/17/15	Not Sampled due to Excavation Activities																		
	11/28/16	Not Sampled due to Excavation Activities																		
MW-5	11/05/08	<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	0.001	<0.000184	<0.000184	0.000825

TABLE 3

HISTORIC POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
 MONUMENT 18
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE NUMBER 1R-0124

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			---
	11/04/09	<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	0.000555	
	11/03/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/15/11	Not Sampled as part of Quarterly Monitoring Event.																		
	11/05/12	Not Sampled as part of Quarterly Monitoring Event.																		
	11/27/13	Not Sampled as part of Quarterly Monitoring Event.																		
	12/04/14	Not Sampled as part of Quarterly Monitoring Event.																		
	11/17/15	Not Sampled as part of Quarterly Monitoring Event.																		
	11/28/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-6	11/05/08	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	0.000429	
	11/04/09	<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	
	11/03/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/15/11	Not Sampled as part of Quarterly Monitoring Event.																		
	11/05/12	Not Sampled as part of Quarterly Monitoring Event.																		
	11/27/13	Not Sampled as part of Quarterly Monitoring Event.																		
	12/04/14	Not Sampled as part of Quarterly Monitoring Event.																		
	11/17/15	Not Sampled as part of Quarterly Monitoring Event.																		
	11/28/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-7	11/05/08	<0.000186	<0.000186	0.000538	0.000403	<0.000186	<0.000186	<0.000186	<0.000186	0.000371	<0.000186	0.000407	<0.000186	<0.000186	0.000577	0.000443	<0.000186	<0.000186	<0.000186	0.000774
	11/04/09	<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	0.000305	
	11/03/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/15/11	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	0.000443	
	11/05/12	<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	
	11/27/13	Not Sampled as part of Quarterly Monitoring Event.																		
	12/04/14	Not Sampled as part of Quarterly Monitoring Event.																		
	11/17/15	Not Sampled as part of Quarterly Monitoring Event.																		
	11/28/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-8	11/05/08	<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	0.00067	
	11/04/09	<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	

TABLE 3

HISTORIC POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
 MONUMENT 18
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE NUMBER 1R-0124

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			---	
	11/03/10	Not Sampled as part of Quarterly Monitoring Event.																			
	12/15/11	Not Sampled as part of Quarterly Monitoring Event.																			
	11/05/12	Not Sampled as part of Quarterly Monitoring Event.																			
	11/27/13	Not Sampled as part of Quarterly Monitoring Event.																			
	12/04/14	Not Sampled as part of Quarterly Monitoring Event.																			
	11/17/15	Not Sampled as part of Quarterly Monitoring Event.																			
	11/28/16	Not Sampled as part of Quarterly Monitoring Event.																			
MW-9	11/05/08	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	
	11/04/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	
	11/03/10	Not Sampled as part of Quarterly Monitoring Event.																			
	12/15/11	Not Sampled as part of Quarterly Monitoring Event.																			
	11/05/12	Not Sampled as part of Quarterly Monitoring Event.																			
	11/27/13	Not Sampled as part of Quarterly Monitoring Event.																			
	12/04/14	Not Sampled as part of Quarterly Monitoring Event.																			
	11/17/15	Not Sampled as part of Quarterly Monitoring Event.																			
	11/28/16	Not Sampled as part of Quarterly Monitoring Event.																			
MW-10	11/05/08	<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	
	11/04/09	<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	0.000511	
	11/03/10	Not Sampled as part of Quarterly Monitoring Event.																			
	12/15/11	Not Sampled as part of Quarterly Monitoring Event.																			
	11/05/12	Not Sampled as part of Quarterly Monitoring Event.																			
	11/27/13	Not Sampled as part of Quarterly Monitoring Event.																			
	12/04/14	Not Sampled as part of Quarterly Monitoring Event.																			
	11/17/15	Not Sampled as part of Quarterly Monitoring Event.																			
	11/28/16	Not Sampled as part of Quarterly Monitoring Event.																			

Appendix A
Release Notification and Corrective Action
(Form C-141)

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

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

x Initial Report ☐ Final Report

Name of Company	Plains Pipeline, LP	Contact:	Camille Reynolds
Address:	3705 E. Hwy 158, Midland, TX 79706	Telephone No.	505-441-0965
Facility Name	Monument # 18	Facility Type:	Pipeline

Surface Owner: Jim B Cooper	Mineral Owner	Lease No.
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LOCATION OF RELEASE

Unit Letter D	Section 7	Township 20S	Range 37E	Feet from the	North/South Line	Feet from the	East/West Line	County Lea
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Latitude 32 degrees 35' 30.0" **Longitude** 103 degrees 17' 55.9"

NATURE OF RELEASE

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

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

Describe Area Affected and Cleanup Action Taken.*

NOTE: Texas-New Mexico Pipeline was the owner/operator of the pipeline system at the time of the release, initial response information is unavailable.

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

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

* Attach Additional Sheets If Necessary