



**2019
ANNUAL MONITORING REPORT**

TNM 97-04

**SE ¼ SE ¼ of SECTION 11, TOWNSHIP 16 SOUTH, RANGE 35 EAST
LEA COUNTY, NEW MEXICO
PLAINS SRS NUMBER: TNM 97-04
NMOCD Reference GW-0294**

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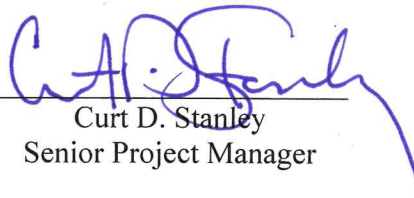

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TABLE OF CONTENTS

INTRODUCTION	1
SITE DESCRIPTION AND BACKGROUND INFORMATION	1
FIELD ACTIVITIES	2
LABORATORY RESULTS	3
SUMMARY	10
ANTICIPATED ACTIONS	12
LIMITATIONS	12
DISTRIBUTION	13

FIGURES

Figure 1 – Site Location Map

Figure 2A – Inferred Groundwater Gradient Map – February 18, 2019

Figure 2B – Inferred Groundwater Gradient Map – May 14, 2019

Figure 2C – Inferred Groundwater Gradient Map – August 18-19, 2019

Figure 2D – Inferred Groundwater Gradient Map – November 11, 2019

Figure 3A – Groundwater Concentration and Inferred PSH Extent Map – February 18, 2019

Figure 3B – Groundwater Concentration and Inferred PSH Extent Map – May 14, 2019

Figure 3C – Groundwater Concentration and Inferred PSH Extent Map – August 18-19, 2019

Figure 3D – Groundwater Concentrations and Inferred PSH Extent Map– November 11, 2019

TABLES

Table 1 – 2019 Groundwater Elevation Data

Table 2 – 2019 Concentrations of BTEX in Groundwater

Table 3 – 2019 Polynuclear Aromatic Hydrocarbon Concentration in Groundwater

Table 4 – 2018 - 2020 Concentrations of NMWQCC Metals in Effluent Groundwater

Table 5 – 2019 BTEX Concentrations in Effluent Groundwater

Table 6 – 2019 Polynuclear Aromatic Hydrocarbon Concentrations in Effluent Groundwater

APPENDICES

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

ENCLOSED ON DATA DISK

2019 Annual Monitoring Report

2019 Figures 1, 2A-2D, and 3A-3D

Table 1 – 2019 Groundwater Elevation Data

Table 2 – 2019 Concentrations of BTEX in Groundwater

Table 3 – 2019 Polynuclear Aromatic Hydrocarbon Concentration in Groundwater

Table 4 – 2018 - 2020 Concentrations of NMWQCC Metals in Effluent Groundwater

Table 5 – 2019 BTEX Concentrations in Effluent Groundwater

Table 6 – 2019 Polynuclear Aromatic Hydrocarbon Concentrations in Effluent Groundwater

Electronic Copies of Laboratory Reports

Table 1 – Historical Groundwater Elevation Data

Table 2 – Historical Concentrations of BTEX in Groundwater

Table 3 – Historical Polynuclear Aromatic Hydrocarbon Concentration in Groundwater

Table 4 – Historical NMWQCC Metals in Effluent Groundwater

Table 5 – Historical BTEX Concentrations in Effluent Groundwater

Table 6 – Historical Polynuclear Aromatic Hydrocarbon Concentrations in Effluent Groundwater

INTRODUCTION

On behalf of Plains Marketing, L.P. (Plains), TRC Environmental Corporation (TRC) is pleased to submit this 2019 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, Inc. (NOVA). The TNM 97-04 Release Site (the site), which was formerly the responsibility of Texas New Mexico Pipeline Company (TNMPL), is now the responsibility of Plains. This report is intended to be viewed as a complete document with text, figures, tables, and appendices. The report presents the results of the quarterly groundwater monitoring events conducted in calendar year 2019. However, historical data tables as well as 2019 laboratory analytical reports are provided on the enclosed data disk. A Site Location Map is provided as Figure 1.

Groundwater monitoring was conducted during each quarter of 2019 to assess the levels and extent of dissolved phase constituents and Phase Separated Hydrocarbons (PSH). Each groundwater monitoring event consisted of measuring static water levels in monitor and recovery wells, checking for the presence of PSH on the water column, 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 site is located in the SE 1/4 of the SE 1/4 of Section 11, Township 16 South, Range 35 East in Lea County, New Mexico. Initial site investigation activities were performed for TNMPL by other environmental consultants. No other specifics concerning the release are currently available. The Release Notification and Corrective Action Form (C-141) is provided as Appendix A.

In November 2005, monitor wells MW-1 and MW-8 were plugged and abandoned with NMOCD approval. On August 9, 2006, monitor well MW-17 was plugged and abandoned with NMOCD approval.

In October 2009, an *Enhanced Recovery System Workplan* was submitted and subsequently approved by the NMOCD. In March 2009, Plains installed eight (8) air-sparging wells (AS-1 through AS-8) and three (3) recovery wells (RW-2, RW-3, and RW-4) at the site as part of the Enhanced Recovery System (Recovery System). In April 2010, Plains completed the installation of the trailer mounted air-sparging system with ancillary air lines connected to the eight (8) sparging wells. Four (4) total fluid pumps were initially installed within the four (4), 4-inch diameter recovery wells (RW-1 through RW-4).

The Recovery System was initially started during the 3rd quarter of 2010. A Recovery System Start-Up Report documenting the activities was submitted to the NMOCD in May 2011.

There are currently fifteen (15) monitor wells (MW-2 through MW-7, MW-9 through MW-16, and MW-18), with the eight (8) air-sparging (AS-1 through AS-8), and four (4) recovery wells

(RW-1 through RW-4) on site. An NMOCD permitted infiltration gallery associated with the Recovery System is located on the northwest corner (upgradient) of the site.

FIELD ACTIVITIES

Remediation Efforts

The Recovery System utilizes compressed air to power the eight (8) air-sparging wells along with six (6) total fluid pumps placed in recovery wells RW-1 through RW-4 and monitor wells MW-3 and MW-6. The total fluid pumps operate at a maximum pumping rate of approximately two (2) to three (3) gallons per minute (gpm) per recovery well with a combined pumping rate of eight (8) to twelve (12) gpm. Recovered oil and water is collected in a five hundred (500) barrel frac tank, where the recovered oil and water separate. Recovered groundwater is pumped to a large poly aeration tank to allow for volatilization of the hydrocarbons. Groundwater is transferred through a two (2) bag particulate filter system prior to being pumped through two (2) 500-pound granulated activated carbon (GAC) filtration canisters. The treated groundwater is sampled from a post-carbon sample port on a monthly basis and is discharged under Discharge Permit GW-294 to an infiltration gallery located upgradient to the northwest of the release point.

The eight (8) air-sparging wells were each installed to a depth of approximately sixty-five (65) feet below ground surface (bgs) and operate at a pressure of approximately five (5) psi per well. The air-sparging array is designed to aerate the downgradient edge of the dissolved phase hydrocarbon plume while pressing the PSH plume upgradient toward the four (4) recovery wells (RW-1 through RW-4) and two (2) monitor wells (MW-3 and MW-6).

A measurable thickness of PSH was present in six (6) of the fifteen (15) monitor wells (MW-2, MW-3, MW-4, MW-5, MW-6, and MW-9) and the four (4) recovery wells (RW-1, RW-2, RW-3, and RW-4) during at least one (1) gauging event of the reporting period. The average thickness of PSH in monitor wells and recovery wells was 1.01 feet. The maximum thickness of PSH in monitor wells and recovery wells was 3.02 feet as recorded in monitor well MW-5 on November 15, 2019. PSH data for the gauging events can be found in Table 1. Approximately 465.5 gallons (approximately 11.08 barrels) of PSH was recovered from the site during the 2019 reporting period. During the 2019 reporting period, approximately 30,661 barrels of groundwater were treated through the on-site Recovery System and re-injected into the infiltration gallery or removed from the separation frac tank and disposed of at an NMOCD approved disposal. A total of approximately 9,810.25 gallons (approximately 233.58 barrels) of PSH have been recovered since project inception.

Groundwater Monitoring

Quarterly monitoring events for the reporting period were performed according to the following reduced sampling schedule, which was approved by the NMOCD in correspondence dated April 28, 2004, and amended in correspondence dated June 22, 2005, May 5, 2006, and March 27, 2012.

NMOCD Approved Sampling Schedule							
MW-1	P&A	MW-8	P&A	MW-15	Quarterly	RW-3	Quarterly
MW-2	Quarterly	MW-9	Quarterly	MW-16	Annual	RW-4	Quarterly
MW-3	Quarterly	MW-10	Annual	MW-17	P&A		
MW-4	Quarterly	MW-11	Annual	MW-18	Quarterly		
MW-5	Quarterly	MW-12	Annual	RW-1	Quarterly		
MW-6	Quarterly	MW-13	Quarterly	RW-2	Quarterly		
MW-7	Annual	MW-14	Quarterly	RW-3	Quarterly		

The site monitor wells were gauged and sampled on February 8, May 14, August 18-19, and November 11, 2019. During each sampling event, monitor wells were purged of a minimum of three (3) well volumes of water or until the wells failed to produce water. Purging was performed using a disposable polyethylene bailer for each well or electrical Grundfos pump and dedicated tubing. Groundwater was allowed to recharge and samples were collected using disposable Teflon samplers. Water samples were placed in clean glass containers provided by the laboratory and placed on ice in the field. Purge water was collected in a polystyrene tank and disposed of at a licensed disposal facility.

Locations of the monitor wells and the inferred groundwater gradient, which were constructed from measurements collected during each quarterly sampling event of 2019, are depicted on the Inferred Groundwater Gradient Maps, Figures 2A-2D. Groundwater elevation data for 2019 is provided as Table 1. Historical groundwater elevation data beginning at project inception is provided on the enclosed data disk.

The most recent Inferred Groundwater Gradient Map, Figure 2D, indicated a gradient of 0.0028 feet/foot to the southeast as measured between monitor well MW-10 and MW-13. Groundwater Gradient Maps generated during the 1st, 2nd, and 3rd quarters of the reporting period indicated a gradient ranging from 0.0027 feet/foot to 0.0034 feet/foot in a southeast direction. The corrected groundwater elevations ranged between 3,921.01 and 3,922.31 feet above mean sea level, in recovery well RW-1 on November 11, 2019 and recovery well RW-1 on May 14,, 2019, respectively.

LABORATORY RESULTS

Monitor and recovery well quarterly sampling activities

Monitor wells MW-2, MW-3, MW-5, and MW-6 and recovery wells RW-1 through RW-4 contained PSH throughout the reporting period and were not sampled during 1st, 2nd, 3rd, and 4th quarters of 2019. A measurable thickness of PSH was reported in monitor well MW-4 (0.03') on April 30, 2019 and November 15, 2019 (0.13'). A measurable thickness of PSH was reported in monitor well MW-9 (0.15') on December 15, 2019.

Groundwater samples obtained during all four (4) quarterly sampling events of 2019 were delivered to Permian Basin Environmental Laboratories, LP (PBE Lab) in Midland, Texas for determination of BTEX constituent concentrations by EPA Method 8021B.

Polynuclear Aromatic Hydrocarbons (PAH) analysis by EPA Method 8270 was conducted during the 2019 calendar year in monitor wells MW-4 and MW-9. Based upon historical PAH analytical data, only those wells exhibiting elevated constituent concentrations above New Mexico Water Quality Control Commission (NMWQCC) Drinking Water Standards are sampled, with the exclusion of those wells containing measurable PSH thicknesses. PAH analysis scheduled to be conducted during the 4th quarter sampling event on monitor wells MW-2, MW-3, and MW-5, and recovery wells RW-1 through RW-4 was suspended due to the presence of PSH. A listing of BTEX constituent concentrations for 2019 are summarized in Table 2 and the 2019 PAH constituent concentrations are summarized in Table 3. Copies of the laboratory reports generated for 2019 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-2 is monitored on a quarterly schedule. Monitor well MW-2 was not sampled during the 1st, 2nd, 3rd, and 4th quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 1.49 feet, 1.34 feet, 0.65 feet, and 0.62 feet were reported during the 1st, 2nd, 3rd, and 4th quarters of 2019, respectively. PAH analysis was not conducted during the 4th quarter sampling event due to the presence of PSH.

Monitor well MW-3 is monitored on a quarterly schedule. Monitor well MW-3 was not sampled during the 1st, 2nd, 3rd, and 4th quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 0.95 feet, 1.40 feet, 0.92 feet, and 0.91 feet were reported during the 1st, 2nd, 3rd, and 4th quarters of 2019, respectively. PAH analysis was not conducted during the 4th quarter sampling event due to the presence of PSH.

Monitor well MW-4 is sampled on a quarterly schedule and the analytical results indicated benzene concentrations ranged from 0.0436 mg/L during the 3rd quarter to 0.166 mg/L during the 4th quarter of 2019. Benzene concentrations were above the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Toluene concentrations ranged from 0.0218 mg/L during the 1st quarter to 0.233 mg/L during the 4th quarter of the reporting period. Toluene concentrations were below NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from 0.117 mg/L during the 2nd quarter to 0.327 mg/L during the 4th quarter of 2019. Ethylbenzene concentrations were below NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Xylene concentrations ranged from 0.3248 mg/L during the 3rd quarter to 1.114 mg/L during the 4th quarter of the reporting period. Xylene concentrations were above the NMOCD regulatory guidelines during the 1st and 4th quarters of the reporting period.

PAH analysis during the 4th quarter sampling event indicated elevated concentrations above NMWQCC Drinking Water Standards for anthracene (0.025 mg/L), benzo[b]fluoranthene (0.0050 mg/L), benzo[k]fluoranthene (0.0024 mg/L), chrysene (0.059 mg/L), fluoranthene (0.013 mg/L), fluorene (0.25 mg/L), and phenanthrene (0.36 mg/L), pyrene (0.015 mg/L), and naphthalene (7.6 mg/L). Please note, the laboratory was required to dilute the sample, which consequently raised the constituent reporting limits (0.00097 mg/L) above the applicable NMWQCC Drinking Water Standards for benzo[a]anthracene (0.0001 mg/L), Dibenz[a,h]anthracene (0.0003 mg/L), and Indeno[1,2,3-cd]pyrene (0.0004 mg/L).

Monitor well MW-5 is monitored on a quarterly schedule. Monitor well MW-5 was not sampled during the 1st, 2nd, 3rd, and 4th quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 2.03 feet, 1.97 feet, 2.05 feet, and 2.04 feet were reported during the 1st, 2nd, 3rd, and 4th quarters of 2019, respectively. PAH analysis was not conducted during the 4th quarter sampling event due to the presence of PSH.

Monitor well MW-6 is monitored on a quarterly schedule. Monitor well MW-6 was not sampled during the 1st, 2nd, 3rd, and 4th quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 0.02 feet, 0.02 feet, and 0.03 feet were reported during the 1st, 2nd, and 3rd quarters of 2019, respectively. Monitor well MW-6 was inadvertently not gauged during the 4th quarter sampling event. PAH analysis was not conducted during the 4th quarter sampling event due to the presence of PSH.

Monitor well MW-7 is sampled on an annual schedule and the analytical results indicated BTEX constituent concentrations were less than the applicable laboratory Reporting Limit (RL) and NMOCD regulatory guidelines during the 4th quarter sampling event. The analytical results indicated BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 3rd quarter of 2001. PAH analysis was not required in monitor well MW-7 based on historical PAH analytical data.

Monitor well MW-9 is sampled on a quarterly schedule and the analytical results indicated benzene concentrations ranged from 0.00796 mg/L during the 3rd quarter to 0.0239 mg/L during the 2nd quarter of 2019. Benzene concentrations were above the NMOCD regulatory guidelines during the 2nd and 4th quarters of the reporting period. Toluene concentrations ranged from 0.0224 mg/L during the 3rd quarter to 0.202 mg/L during the 4th quarter of the reporting period. Toluene concentrations were below NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from 0.0565 mg/L during the 3rd quarter to 0.274 mg/L during the 4th quarter of 2019. Ethylbenzene concentrations were below NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Xylene concentrations ranged from 0.1877 mg/L during the 1st quarter to 1.003 mg/L during the 4th quarter of the reporting period. Xylene concentrations were above the NMOCD regulatory guidelines during the 4th quarter of the reporting period.

PAH analysis during the 4th quarter sampling event indicated elevated concentrations above NMWQCC Drinking Water Standards for anthracene (0.023 mg/L), Benzo[a]pyrene (0.0015 mg/L), benzo[b]fluoranthene (0.0048 mg/L), benzo[k]fluoranthene (0.0038 mg/L), chrysene (0.054 mg/L), fluoranthene (0.013 mg/L), fluorene (0.29 mg/L), phenanthrene (0.49 mg/L), pyrene (0.014 mg/L), and naphthalene (6.2 mg/L). Please note, the laboratory was required to dilute the sample, which consequently raised the constituent reporting limits (0.00098 mg/L) above the applicable NMWQCC Drinking Water Standards for benzo[a]anthracene (0.0001 mg/L), Dibenz[a,h]anthracene (0.0003 mg/L), and Indeno[1,2,3-cd] pyrene (0.0004 mg/L).

Monitor well MW-10 is sampled on an annual schedule and the analytical results indicated BTEX constituent concentrations were less than the applicable laboratory RL and NMOCD regulatory guidelines during the 4th quarter sampling event. The analytical results indicated BTEX constituent

concentrations have been below NMOCD regulatory guidelines since the 1st quarter of 2000. PAH analysis was not required in monitor well MW-10 based on historical PAH analytical data.

Monitor well MW-11 is sampled on an annual schedule and the analytical results indicated BTEX constituent concentrations were less than the applicable laboratory RL and NMOCD regulatory guidelines during the 4th quarter sampling event. The analytical results indicated BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 1st quarter of 2004. PAH analysis was not required in monitor well MW-11 based on historical PAH analytical data.

Monitor well MW-12 is sampled on an annual schedule and the analytical results indicated BTEX constituent concentrations were less than the applicable laboratory RL and NMOCD regulatory guidelines during the 4th quarter sampling event. The analytical results indicated BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 1st quarter of 2000. PAH analysis was not required in monitor well MW-12 based on historical PAH analytical data.

Monitor well MW-13 is sampled on a quarterly schedule and the analytical results indicated BTEX constituent concentrations were less than the applicable laboratory RL and NMOCD regulatory guidelines during all four (4) quarters of the reporting period. The analytical results indicated BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 2nd quarter of 2012. PAH analysis was not required in monitor well MW-13 based on historical PAH analytical data.

Monitor well MW-14 is sampled on a quarterly schedule and the analytical results indicated benzene and toluene concentrations were less than the applicable laboratory RL and NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from less than the applicable laboratory RL during the 1st, 2nd, and 3rd quarters to 0.00111 mg/L during the 4th quarter of 2019. Ethylbenzene concentrations were below the NMOCD regulatory guidelines during the reporting period. Xylene concentrations ranged from less than the applicable laboratory RL during the 1st, 2nd and 3rd quarters to 0.00665 mg/L during the 4th quarter of 2019. Xylene concentrations were below the NMOCD regulatory guidelines during the reporting period. The analytical results indicated BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 3rd quarter of 2011. PAH analysis was not required in monitor well MW-14 based on historical PAH analytical data.

Monitor well MW-15 is sampled on a quarterly schedule and the analytical results indicated BTEX constituent concentrations were less than the applicable laboratory RL and NMOCD regulatory guidelines during all four (4) quarters of the reporting period. The analytical results indicated BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 2nd quarter of 2015. PAH analysis was not required in monitor well MW-15 based on historical PAH analytical data.

Monitor well MW-16 is sampled on an annual schedule and the analytical results indicated BTEX constituent concentrations were less than the applicable laboratory RL and NMOCD regulatory guidelines during the 4th quarter sampling event. The analytical results indicated BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 1st quarter of 2004. PAH analysis was not required in monitor well MW-16 based on historical PAH analytical data.

Monitor well MW-18 is sampled on a quarterly schedule and the analytical results indicated BTEX constituent concentrations were less than the applicable laboratory RL and NMOCD regulatory guidelines during all four (4) quarters of the reporting period. The analytical results indicated BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 3rd quarter of 2009. PAH analysis was not required in monitor well MW-18 based on historical PAH analytical data.

Recovery well RW-1 is monitored on a quarterly schedule. Recovery well RW-1 was not sampled during the 1st, 2nd, 3rd, and 4th quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 1.98 feet, 1.39 feet, 0.88 feet, and 0.89 feet were reported during the 1st, 2nd, 3rd, and 4th quarters of 2019, respectively. PAH analysis was not conducted during the 4th quarter sampling event due to the presence of PSH.

Recovery well RW-2 is monitored on a quarterly schedule. Recovery well RW-2 was not sampled during the 1st, 2nd, 3rd, and 4th quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 0.11 feet, 0.15 feet, 0.09 feet, and 0.14 feet were reported during the 1st, 2nd, 3rd, and 4th quarters of 2019, respectively. PAH analysis was not conducted during the 4th quarter sampling event due to the presence of PSH.

Recovery well RW-3 is monitored on a quarterly schedule. Recovery well RW-3 was not sampled during the 1st, 2nd, 3rd, and 4th quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 1.52 feet, 2.00 feet, 1.96 feet, and 1.92 feet were reported during the 1st, 2nd, 3rd, and 4th quarters of 2019, respectively. PAH analysis was not conducted during the 4th quarter sampling event due to the presence of PSH.

Recovery well RW-4 is monitored on a quarterly schedule. Recovery well RW-4 was not sampled during the 1st, 2nd, 3rd, and 4th quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 2.22 feet, 2.40 feet, 2.75 feet, and 2.94 feet were reported during the 1st, 2nd, 3rd, and 4th quarters of 2019, respectively. PAH analysis was not conducted during the 4th quarter sampling event due to the presence of PSH.

Effluent water sampling activities

In October 2018, annual effluent water analysis for NMWQCC metals indicated concentrations of total manganese and total boron exceeded the NMWQCC Drinking Water Standards. The effluent water metals exceedance issues continued throughout the 2019 reporting period and into January 2020. In an effort to concisely convey the issues and solutions to the total metals exceedances, the narrative below includes facts from the 2018 reporting period through 2020 reporting period.

On October 30, 2018, NMWQCC total metals analysis was conducted on an effluent water sample collected from the post-carbon sampling port. The analytical results indicated all total metals concentrations were less than the NMWQCC Drinking Water Standards, with the exception of the total boron and total manganese concentrations, which were 1.40 mg/L and 0.637 mg/L, respectively. Based on the NMWQCC Drinking Standards for total boron (0.75 mg/L) and total manganese (0.2 mg/L), the water sample was reanalyzed to confirm the initial analytical results. On confirmation of the analytical results, the Recovery System continued to operate, but recovered

water was retained in the on-site frac tank for disposal at an NMOCD approved facility. Please reference Table 4 for the 2018-2020 NMWQCC Metals Concentrations in Effluent Groundwater.

On November 15, 2018, a Plains representative notified the NMOCD – Santa Fe Office of the boron and manganese exceedances, leaving a voicemail message.

Total fluid pumps in the two (2) monitor wells (MW-3 and MW-6) and four (4) recovery wells (RW-1 through RW-4) continued to operate and recovered fluids were pumped into the on-site frac tank. The recovered fluids contained in the frac tank were periodically removed by a vacuum truck and disposed of at an NMOCD approved disposal. This recovery method was employed until the carbon replacement was completed and the Recovery System was restarted. This strategy allowed Plains to continue to recover PSH, while metals exceedances were investigated and addressed.

On November 27, 2018, in an effort to identify the source of the total boron and total manganese exceedances, groundwater samples were collected from monitor wells MW-10 and MW-14 and analyzed for concentrations of total boron and total manganese. The analytical results indicated monitor well MW-10 exhibited a total boron concentration of 0.186 mg/L and a total manganese concentration of 0.0372 mg/L. Monitor well MW-14 exhibited a total boron concentration of 0.147 mg/L and a total manganese concentration of 0.332 mg/L.

In addition, water samples were collected from the Recovery System in an effort to isolate the source of the total boron and total manganese exceedances within the Recovery System. Water samples were collected at the pre-carbon sample port and from within the frac tank.

The analytical results indicated the frac tank exhibited a total boron concentration of 0.152 mg/L and a total manganese concentration of 0.110 mg/L. The pre-carbon water sample was split between Xenco Laboratories and Permian Basin Environmental Laboratories. The analytical results indicated the water sample collected from the pre-carbon sample port and submitted to Xenco Laboratories exhibited a boron concentration of 0.166 mg/L and a manganese concentration of 0.0877 mg/L. The analytical results indicated the water sample collected from the pre-carbon sample port and submitted to Permian Basin Environmental Laboratories exhibited a boron concentration of 0.163 mg/L and a manganese concentration of 0.0572 mg/L.

On February 4, 2019, a Plains representative, requested NMOCD approval to replace the carbon medium in the two (2) – five hundred (500) pound carbon cannisters and restart the Recovery System. The NMOCD and Plains representative agreed Plains would collect post-carbon effluent water samples on a monthly schedule and submit the water samples to the laboratory for NMWQCC metals analysis.

On February 21, 2019, the carbon medium was replaced, and on March 18, 2019, Plains restarted the Recovery System.

On April 22, 2019, an effluent post carbon water sample (Post) was collected, and the water sample was split and submitted to Permian Basin Environmental Lab, LP and Xenco Laboratories (Xenco) and analyzed for NMWQCC metals. The analytical results received from Xenco indicated all

NMWQCC metals concentrations were less than the NMWQCC Drinking Water Standards, with the exception of total manganese, which exhibited a concentration of 0.384 mg/L. The analytical results received from PBE Labs indicated all NMWQCC metals concentrations were less than the NMWQCC Drinking Water Standards, with the exception of total manganese, which exhibited a concentration of 0.400 mg/L. A laboratory rerun was requested from PBE Labs and the total manganese concentration was confirmed at 0.408 mg/L. On receipt of the analytical results, the 97-04 Recovery System was immediately shut down and the entire Recovery System was cleaned and rinsed.

On July 9, 2019, following the cleaning of the Recovery System, an effluent water sample (Post-Carbon) was collected and submitted to PBE Labs for determination of total manganese and total boron concentrations. The Recovery System was operated to collect the “Post Carbon” water sample, but effluent water was collected in a vacuum truck and not gravity fed to the infiltration gallery. The analytical results indicated the total manganese and total boron concentrations were 0.446 mg/L and 0.145 mg/L, respectively.

On July 29, 2019, four (4) water samples (Pre-Aeration, Post-Aeration, Pre-Carbon, and Post Carbon) were collected from the Recovery System and submitted to the laboratory for determination of concentrations of NMWQCC metals. The analytical results indicated the Pre-Aeration water sample exhibited concentrations less than the NMWQCC Drinking Water Standards, with the exception of total iron, which exhibited a concentration of 1.02 mg/L. The Post-Aeration and Pre-Carbon water samples exhibited concentrations less than the NMWQCC Drinking Water Standards. The Recovery System was operated to collect the “Post Carbon” water sample, but effluent water was collected in a vacuum truck and not gravity fed to the infiltration gallery. The Post-Carbon water sample exhibited concentrations less than the NMWQCC Drinking Water Standards, with the exception of total manganese, which was 0.384 mg/L.

Total fluid pumps in the two (2) monitor wells (MW-3 and MW-6) and four (4) recovery wells (RW-1 through RW-4) continued to operate and recovered fluids were pumped into the on-site frac tank. The recovered fluids contained in the frac tank were periodically removed by a vacuum truck and disposed of at an NMOCD approved disposal. This recovery method was employed until the carbon replacement was completed and the Recovery System was restarted. This strategy allowed Plains to continue to recover PSH, while metals exceedances were investigated and addressed.

Based on the analytical results of the July 29, 2019 water sampling events and supporting sampling events earlier in the year, it was determined the likely source of the manganese concentrations exceeding the NMWQCC Drinking Water Standards was the granulated carbon in the two (2) 500-pound carbon canisters.

Discussions with the granulated carbon supplier confirmed the granulated carbon utilized in the carbon replacement was reactivated carbon and not “acid washed virgin carbon”. Based on the information received from the carbon supplier, the reactivated granulated carbon was replaced with “acid washed virgin carbon” on November 25, 2019.

On December 11, 2019, the Recovery System was restarted. Due to adverse weather conditions during the months December 2019 and January 2020, the Recovery System was periodically not operated to maintain the integrity of the system. On January 23, 2020, an effluent water sample (Post Metals) was collected and submitted to PBE Labs in Midland, Texas for determination of NMWQCC metals. The analytical results indicated all NMWQCC metals concentrations were less than the NMWQCC Drinking Water Standards. As requested by the NMOCD, post carbon water samples will be collected and analyzed for concentrations of NMWQCC metals on a monthly schedule to ensure metals concentrations do not exceed the NMWQCC Drinking Water Standards.

As stated above, due to the “post carbon” NMWQCC metals exceedances, total fluid pumps in the two (2) monitor wells (MW-3 and MW-6) and four (4) recovery wells (RW-1 through RW-4) continued to operate and recovered fluids were pumped into the on-site frac tank. The recovered fluids contained in the frac tank were periodically removed by a vacuum truck and disposed of at an NMOCD approved disposal. This recovery method was employed until the acid washed, virgin carbon replacement was completed, and the Recovery System was restarted. This strategy allowed Plains to continue to recover PSH, while metals exceedances were investigated and addressed.

Due to the NMWQCC metals exceedances, monthly effluent water (post carbon) analysis for BTEX constituent concentrations and PAH concentrations was infrequent.

Effluent water (post-carbon) samples were collected on April 1, 2019, April 22, 2019, and July 9, 2019 and were delivered to Permian Basin Environmental Laboratories, in Midland, Texas for determination of BTEX constituent concentrations by EPA Method 8021B and PAH analysis using EPA Method 8270. Please note, on April 22, 2019, only BTEX was analyzed and PAH was inadvertently omitted.

The analytical results of “post carbon” effluent water analysis indicated BTEX constituent concentrations were less the applicable laboratory RL and NMOCD regulatory guidelines during the three (3) sampling events of the 2019 reporting period. Please reference Table 5.

PAH analysis of April 1, 2019 and July 9, 2019 post-carbon effluent water samples indicated all PAH constituent concentrations were less than the applicable laboratory RL and NMWQCC Drinking Water Standards. Please reference Table 6.

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.

SUMMARY

This report presents the results of monitoring activities for the 2019 annual monitoring period. There are currently fifteen (15) monitor wells (MW-2 through MW-7, and MW-9 through MW-16, and MW-18) and four (4) recovery wells (RW-1, RW-2, RW-3, and RW-4) on Site. The most recent Inferred Groundwater Gradient Map, Figure 2D, indicated a gradient of 0.0028 feet/foot to the southeast as measured between monitor well MW-10 and MW-13. Groundwater Gradient

Maps generated during the 1st, 2nd, and 3rd quarters of the reporting period indicated a gradient ranging from 0.0027 feet/foot to 0.0034 feet/foot in a southeast direction.

Monitor wells MW-2, MW-3, MW-5, and MW-6 and recovery wells RW-1 through RW-4 contained PSH throughout the reporting period and were not sampled during 1st, 2nd, 3rd, and 4th quarters of 2019. A measurable thickness of PSH was reported in monitor well MW-4 (0.03') on April 30, 2019 and November 15, 2019 (0.13'). A measurable thickness of PSH was reported in monitor well MW-9 (0.15') on December 15, 2019.

Measurable thicknesses of PSH was present in six (6) of the fifteen (15) monitor wells (MW-2, MW-3, MW-4, MW-5, MW-6, and MW-9) and the four (4) recovery wells (RW-1, RW-2, RW-3, and RW-4) during at least one (1) gauging event of the reporting period. The average thickness of PSH in monitor wells and recovery wells was 1.01 feet. The maximum thickness of PSH in monitor wells and recovery wells was 3.02 feet as recorded in monitor well MW-5 on November 15, 2019. PSH data for the gauging events can be found in Table 1. Approximately 465.5 gallons (approximately 11.08 barrels) of PSH was recovered from the site during the 2019 reporting period. During the 2019 reporting period, approximately 30,661 barrels of groundwater were treated through the on-site Recovery System and re-injected into the infiltration gallery or removed from the separation frac tank and disposed of at an NMOCD approved disposal. A total of approximately 9,810.25 gallons (approximately 233.58 barrels) of PSH have been recovered since project inception.

Review of the 4th quarter laboratory analytical results of groundwater samples indicated BTEX constituent concentrations are below the NMOCD regulatory guidelines in nine (9) of the nineteen (19) on-site monitor and recovery wells. PSH was observed in eight (8) of the monitor and recovery wells and two (2) monitor monitors exhibited BTEX constituents above the NMOCD regulatory guidelines during at least two (2) quarterly sampling events.

The analytical results indicated the on-site TNM 97-04 Sparging System has been effective in confining PSH and the dissolved phase hydrocarbon plume to the core of the TNM 97-04 Release Site. Down-gradient monitor wells (MW-15, MW-13, and MW-18) have not exhibited BTEX concentrations exceeding the NMOCD regulatory guidelines since the 2nd quarter of 2015.

The analytical results for the post-carbon effluent water samples collected from the enhanced recovery system were below NMOCD regulatory guidelines for all BTEX constituents during the April 1, 2019, April 22, 2019, and July 9, 2019 sampling events (Table 5). The analytical results for the post-carbon effluent water sample collected from the enhanced recovery system were below NMWQCC Drinking Water Standards for all PAH constituents during the April 1, 2019 and July 9, 2019 sampling events (Table 6).

The analytical results for NMWQCC Metals in effluent water samples indicated manganese concentrations exceeded the NMWQCC Drinking Water Standards during the reporting period. The source of the manganese concentration exceedances was investigated and corrected in the 2020 reporting period and the Recovery System is currently operating. Please note, recovered groundwater during most of the reporting period was transported to an NMOCD approved disposal. Please reference the "Effluent water sampling activities" section of this report for a

comprehensive narrative of the manganese issues, causal factor investigation, and corrective actions.

ANTICIPATED ACTIONS

The Enhanced Recovery System will continue to operate during the 2020 reporting period. The system may be shut down for short durations of time to conduct routine maintenance and repairs. During adverse weather conditions, the system may be shut down as a safety precaution to protect the integrity of the system.

Due to NMWQCC metals exceedances and as required by the NMOCD, “post carbon” monthly effluent water samples will be analyzed for concentrations of NMWQCC metals. On receipt of the analytical results, any exceedances will be confirmed and if warranted, reported promptly to the NMOCD.

PSH recovery, quarterly groundwater monitoring and sampling and monthly Recovery System sampling will continue in 2020. An Annual Monitoring Report will be submitted to the NMOCD before April 1, 2021.

As the PSH plume thicknesses decreases, monitor and recovery wells which have historically exhibited elevated constituents near or above the NMWQCC Standards will be sampled for PAH, as necessary.

LIMITATIONS

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

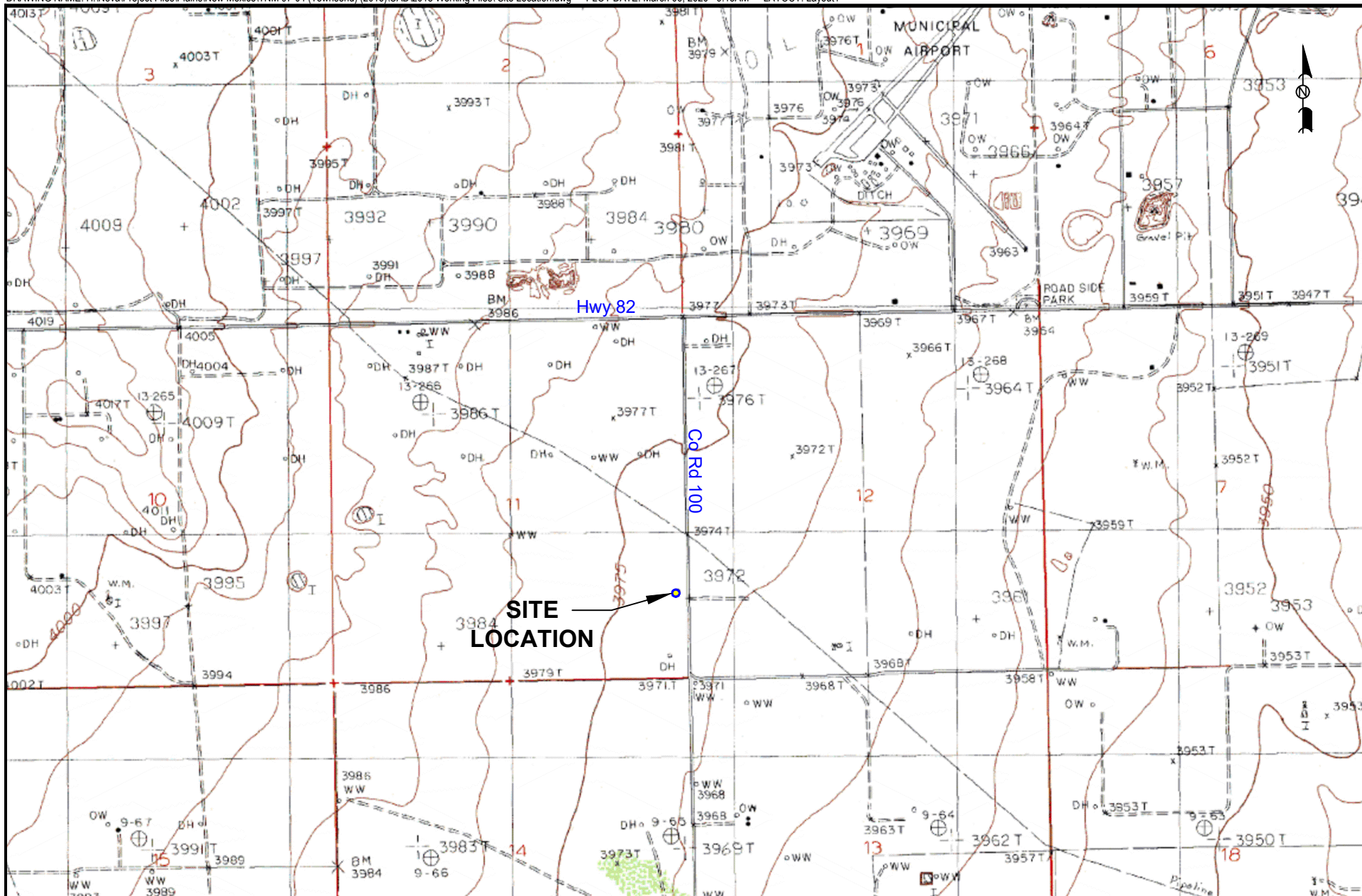
TRC has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. TRC has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and the 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 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.

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cdstanley@trcsolutions.com

Figures



LEGEND:

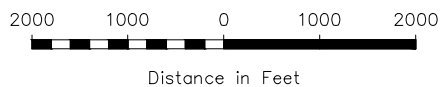


Figure 1

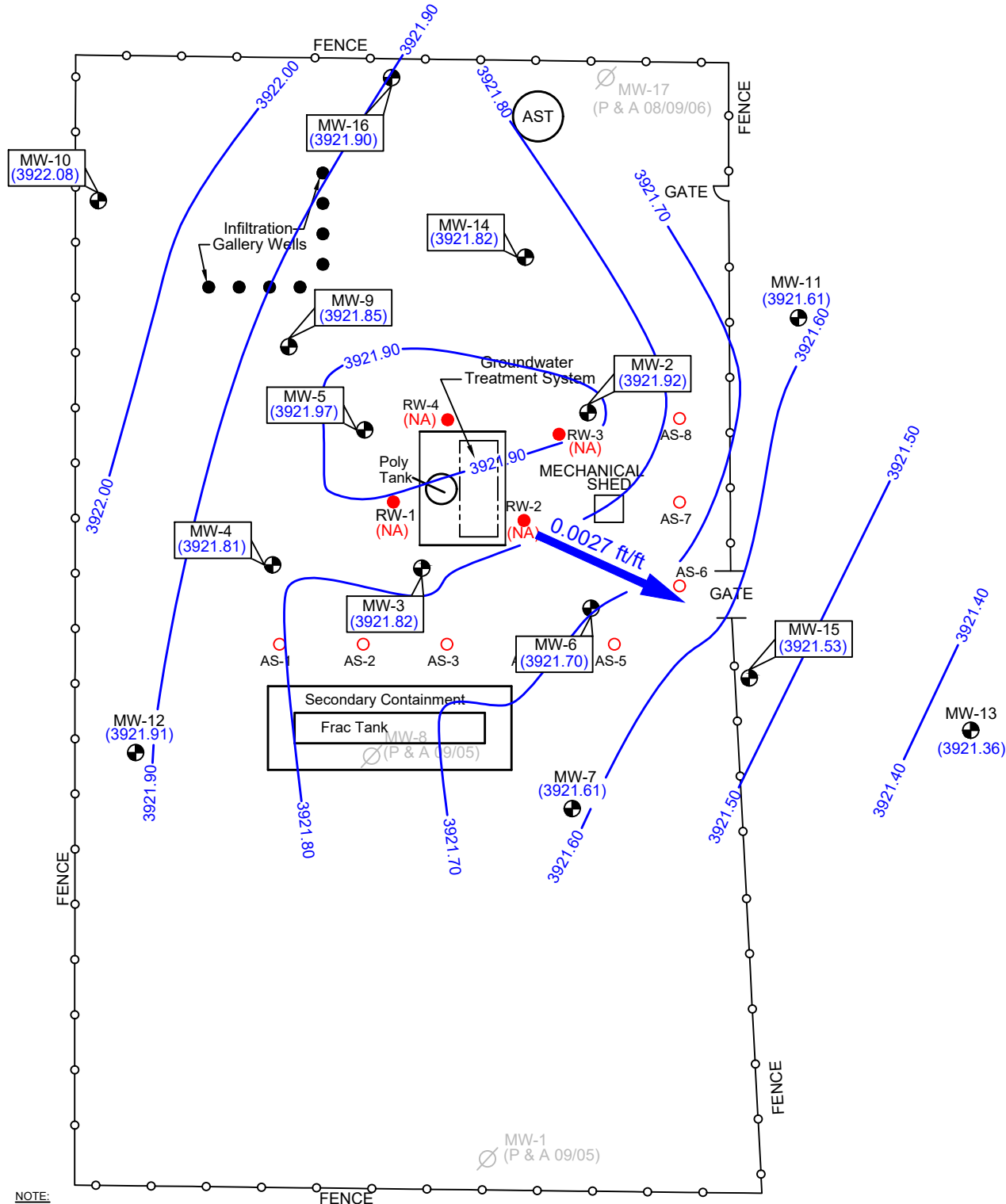
Site Location Map
Plains Marketing, L.P.

TNM 97-04
NMOCD Reference # GW-294-0
Lea County, NM

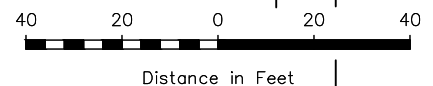
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Draft: March 10, 2016	
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SE1/4 SE1/4 Sec 11 T16S R35E	
TRC Proj. No.: 014177	





NOTE:
 MW-1 and MW-8 Were Plugged and Abandoned
 September 2005 Per NMOCD Approval
 RW-1, RW-2, RW-3, RW-4, & MW-18 were not used in the Construction of this Map
 Gradient Measured Between MW-10 and MW-13.
 Contour Interval = 0.10'



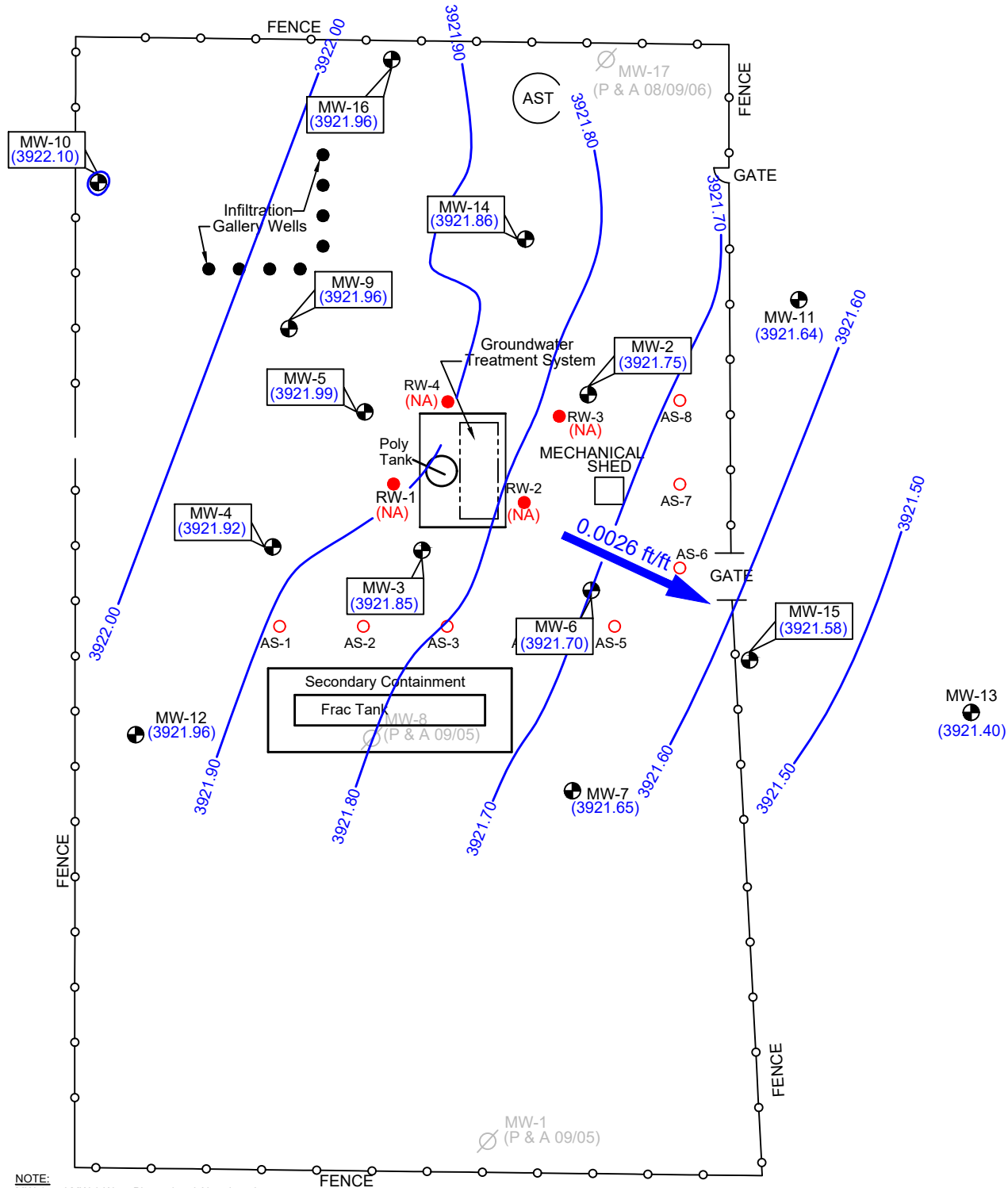
LEGEND:

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- Recovery Well Location
- Air Sparging Well Location
- Infiltration Gallery Well Location
- Groundwater Elevation Contour
- (NA) Not Available

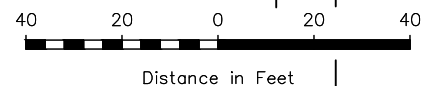
Figure 2A
 Inferred Groundwater
 Gradient Map
 (2/18/2019)
 Plains Marketing, L.P.
 TNM 97-04
 NMOCD Reference # GW-0294
 Lea County, NM

Scale: 1" = 40'	
CAD By: CS	Checked By: CS
Draft: April 4, 2019	
Lat. N 32.932527°, Long. W 103.420083°	
SE1/4 SE1/4 Sec 11 T16S R35E	
TRC Proj. No.: 014177	





NOTE:
 MW-1 and MW-8 Were Plugged and Abandoned
 September 2005 Per NMOCD Approval
 RW-1, RW-2, RW-3, RW-4, & MW-18 were not used in the Construction of this Map
 Gradient Measured Between MW-10 and MW-13.
 Contour Interval = 0.10'



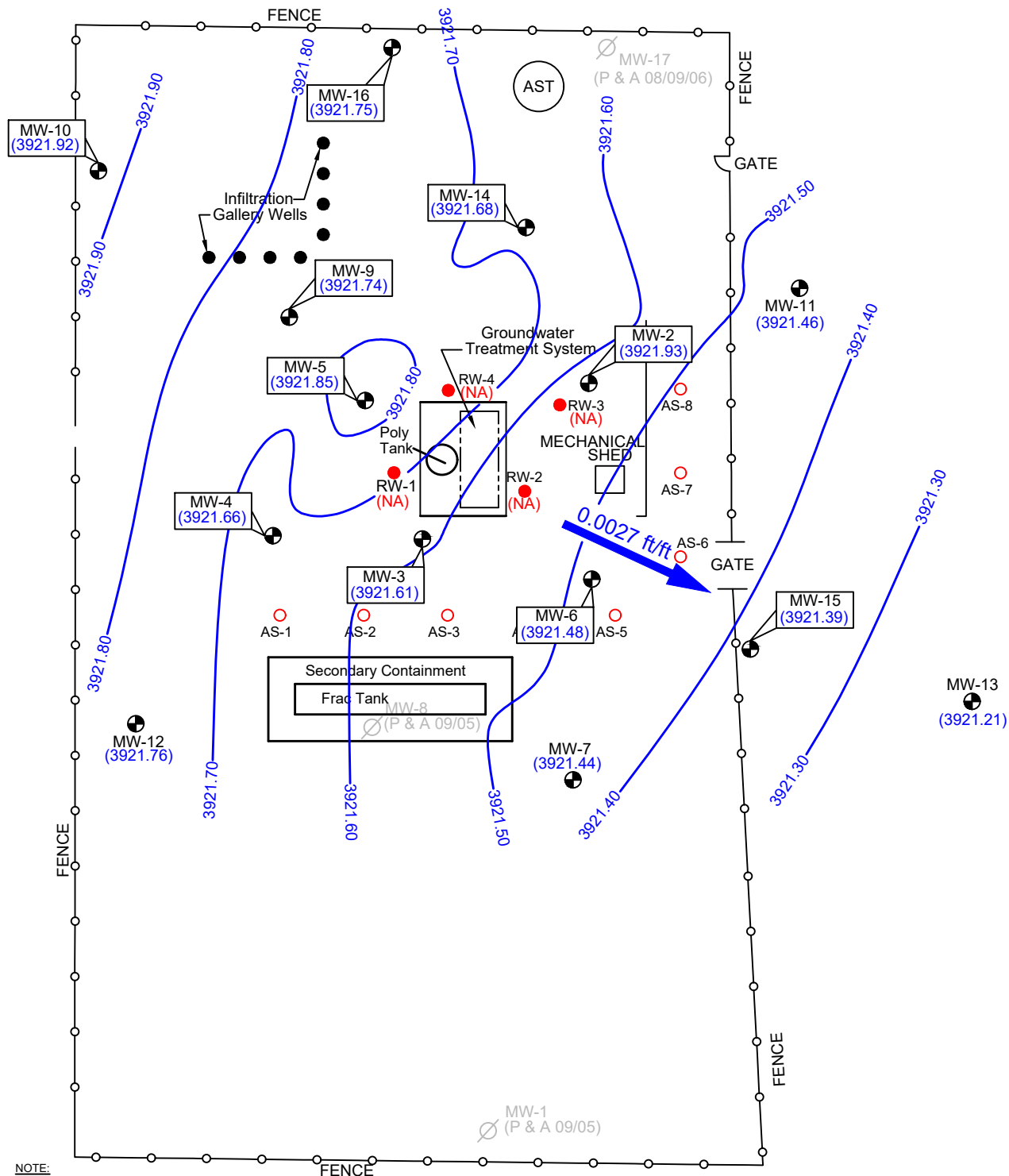
LEGEND:

- Monitoring Well Location
- Recovery Well Location
- Air Sparging Well Location
- Infiltration Gallery Well Location
- Groundwater Elevation Contour
- (NA) Not Available
- (NG) Not Gauged

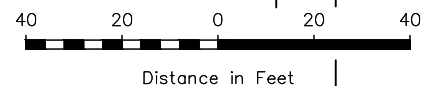
Figure 2B
 Inferred Groundwater
 Gradient Map
 (5/14/2019)
 Plains Marketing, L.P.
 TNM 97-04
 NMOCD Reference # GW-0294
 Lea County, NM

Scale: 1" = 40'	
CAD By: CS	Checked By: CS
Draft: July 15, 2019	
Lat. N 32.932527°, Long. W 103.420083°	
SE1/4 SE1/4 Sec 11 T16S R35E	
TRC Proj. No.: 014177	





NOTE:
 MW-1 and MW-8 Were Plugged and Abandoned
 September 2005 Per NMOCD Approval
 RW-1, RW-2, RW-3, RW-4, MW-2, & MW-18 were not used in the Construction of this Map
 Gradient Measured Between MW-10 and MW-13.
 Contour Interval = 0.10'



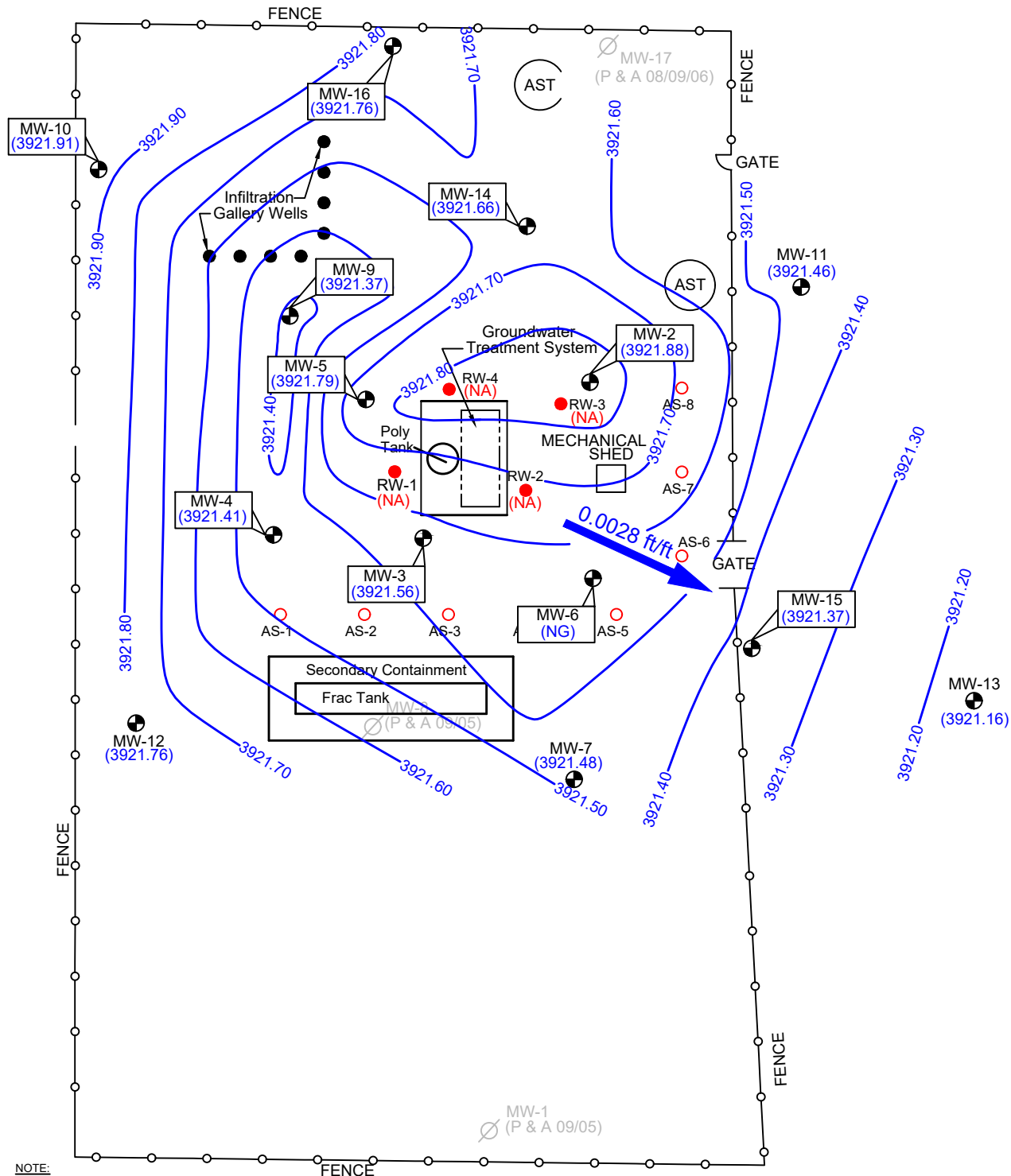
LEGEND:

- Monitoring Well Location
- Recovery Well Location
- Air Sparging Well Location
- Infiltration Gallery Well Location
- Groundwater Elevation Contour
- (NA) Not Available
- (NG) Not Gauged

Figure 2C
 Inferred Groundwater
 Gradient Map
 (8/19/2019 - 8/20/2019)
 Plains Marketing, L.P.
 TNM 97-04
 NMOCD Reference # GW-0294
 Lea County, NM

Scale: 1" = 40'	
CAD By: CS	Checked By: CS
Draft: October 8, 2019	
Lat. N 32.932527°, Long. W 103.420083°	
SE1/4 SE1/4 Sec 11 T16S R35E	
TRC Proj. No.: 014177	





NOTE:
 MW-1 and MW-8 Were Plugged and Abandoned
 September 2005 Per NMOCD Approval
 RW-1, RW-2, RW-3, RW-4, MW-2, & MW-18 were not used in the Construction of this Map
 Gradient Measured Between MW-10 and MW-13.
 Contour Interval = 0.10'

40 20 0 20 40

Distance in Feet

LEGEND:

- Monitoring Well Location
- Recovery Well Location
- Air Sparging Well Location
- Infiltration Gallery Well Location
- Groundwater Elevation Contour
- (NA) Not Available
- (NG) Not Gauged

Figure 2D
 Inferred Groundwater
 Gradient Map
 (11/11/2019)
 Plains Marketing, L.P.
 TNM 97-04
 NMOCD Reference # GW-0294
 Lea County, NM

Scale: 1" = 40'

CAD By: CS Checked By: CS

Draft: February 17, 2020

Lat. N 32.932527°, Long. W 103.420083°

SE1/4 SE1/4 Sec 11 T16S R35E

TRC Proj. No.: 014177

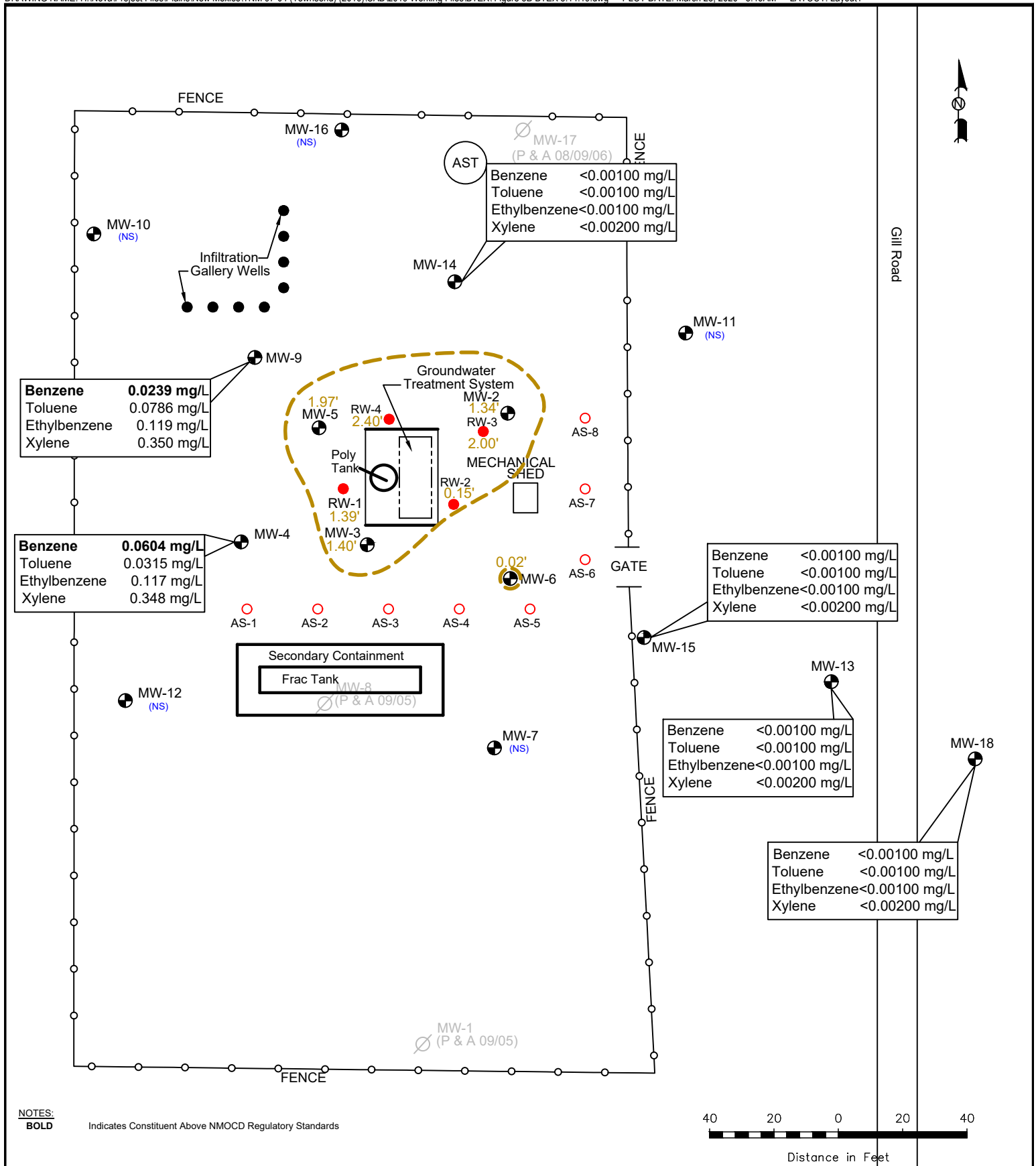
TRC
 10 Desta Drive, Suite 150E
 Midland, Texas 79705
 432.520.7720

A horizontal number line representing distance in feet. The line has a central point labeled 0. To the left of 0, there are tick marks at 20 and 40. To the right of 0, there are tick marks at 20 and 40. The segment between 0 and 20 on the left is divided into four equal parts by three small tick marks. The segment between 0 and 20 on the right is also divided into four equal parts by three small tick marks. The entire line is labeled "Distance in Feet" below it.

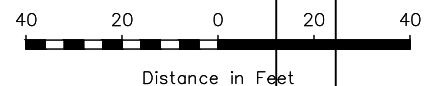
—	Inferred PSH Extent
<0.001	Constituent Concentration (mg/L)
2.42'	Thickness of PSH (feet)
(NS)	Not Sampled

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CAD By: CS	Checked By: CS
Draft: April 1, 2019	
Lat. N 32.932527°, Long. W 103.420083°	
SE1/4 SE1/4 Sec 11 T16S R35E	
TRC Proj. No.: 014177	





NOTES:
BOLD Indicates Constituent Above NMOCD Regulatory Standards



LEGEND:

- Monitoring Well Location
- Recovery Well Location
- Air Sparging Well Location
- Infiltration Gallery Well Location
- Inferred PSH Extent
- <0.001 Constituent Concentration (mg/L)
- 2.42' Thickness of PSH (feet)
- (NS) Not Sampled

Figure 3B
 Groundwater Concentration and Inferred PSH Extent Map (5/14/2019)
 Plains Marketing, L.P.
 TNM 97-04
 NMOCD Reference # GW-0294
 Lea County, NM

Scale: 1" = 40'
 CAD By: CS
 Checked By: CS
 Draft: June 20, 2019
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 SE1/4 SE1/4 Sec 11 T16S R35E
 TRC Proj. No.: 014177

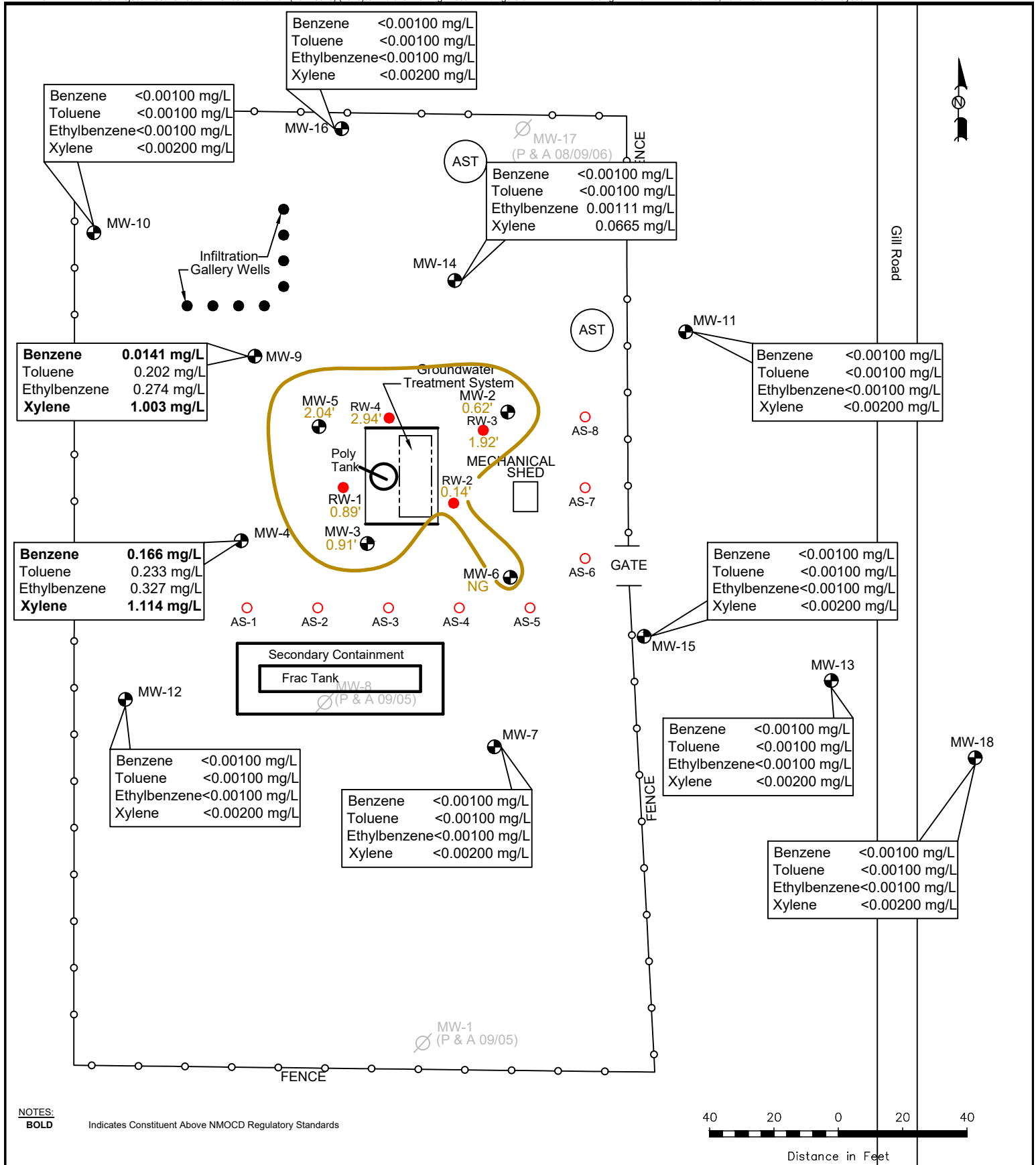
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 10 Desta Drive, Suite 150E
 Midland, Texas 79705
 432.520.7720

A horizontal number line representing distance in feet. The line has a central point labeled 0. To the left of 0, there are tick marks at 20 and 40. To the right of 0, there are tick marks at 20 and 40. The segment between 0 and 20 on the left is divided into four equal parts by three tick marks. The segment between 0 and 20 on the right is also divided into four equal parts by three tick marks. The entire line is labeled "Distance in Feet" below it.

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

Scale: 1" = 40'	
CAD By: CS	Checked By: CS
Draft: September 13, 2019	
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SE1/4 SE1/4 Sec 11 T16S R35E	
TRC Proj. No.: 014177	





LEGEND:

- Monitoring Well Location
- Recovery Well Location
- Air Sparging Well Location
- Infiltration Gallery Well Location

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

Figure 3D
 Groundwater Concentration and Inferred PSH Extent Map
 (11/11/2019)
 Plains Marketing, L.P.
 TNM 97-04
 NMOC Reference # GW-0294
 Lea County, NM

Scale: 1" = 40'	
CAD By: CS	Checked By: CS
Draft: January 3, 2020	
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SE1/4 SE1/4 Sec 11 T16S R35E	
TRC Proj. No.: 014177	

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10 Desta Drive, Suite 150E
 Midland, Texas 79705
 432.520.7720

2019 Tables

TABLE 1

2019 GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	01/08/19	3974.62	52.62	54.01	1.39	3921.79
MW - 2	01/10/19	3974.62	52.61	53.97	1.36	3921.81
MW - 2	01/15/19	3974.62	52.66	53.92	1.26	3921.77
MW - 2	01/24/19	3974.62	52.88	53.91	1.03	3921.59
MW - 2	02/11/19	3974.62	52.80	53.99	1.19	3921.64
MW - 2	02/18/19	3974.62	52.48	53.97	1.49	3921.92
MW - 2	04/16/19	3974.62	52.74	54.01	1.27	3921.69
MW - 2	04/23/19	3974.62	52.88	54.21	1.33	3921.54
MW - 2	04/30/19	3974.62	52.55	54.39	1.84	3921.79
MW - 2	05/07/19	3974.62	52.72	54.10	1.38	3921.69
MW - 2	05/09/19	3974.62	52.78	54.09	1.31	3921.64
MW - 2	05/14/19	3974.62	52.67	54.01	1.34	3921.75
MW - 2	06/04/19	3974.62	52.80	54.01	1.21	3921.64
MW - 2	06/11/19	3974.62	52.82	53.98	1.16	3921.63
MW - 2	06/13/19	3974.62	52.77	53.99	1.22	3921.67
MW - 2	06/17/19	3974.62	52.58	53.76	1.18	3921.86
MW - 2	07/01/19	3974.62	52.51	53.97	1.46	3921.89
MW - 2	07/02/19	3974.62	52.56	53.80	1.24	3921.87
MW - 2	08/19/19	3974.62	52.59	53.24	0.65	3921.93
MW - 2	08/29/19	3974.62	52.58	53.29	0.71	3921.93
MW - 2	09/03/19	3974.62	52.51	53.26	0.75	3922.00
MW - 2	09/10/19	3974.62	52.49	53.24	0.75	3922.02
MW - 2	10/01/19	3974.62	52.54	53.22	0.68	3921.98
MW - 2	10/22/19	3974.62	52.56	53.31	0.75	3921.95
MW - 2	11/11/19	3974.62	52.65	53.27	0.62	3921.88
MW - 2	11/15/19	3974.62	52.60	55.24	2.64	3921.62
MW - 3	02/18/19	3974.60	52.64	53.59	0.95	3921.82
MW - 3	05/14/19	3974.60	52.54	53.94	1.40	3921.85
MW - 3	08/19/19	3974.60	52.85	53.77	0.92	3921.61
MW - 3	11/11/19	3974.60	52.90	53.81	0.91	3921.56
MW - 4	01/08/19	3974.53	-	52.67	0.00	3921.86
MW - 4	01/10/19	3974.53	-	52.65	0.00	3921.88
MW - 4	01/15/19	3974.53	-	52.69	0.00	3921.84
MW - 4	01/24/19	3974.53	-	52.93	0.00	3921.60
MW - 4	02/11/19	3974.53	-	52.71	0.00	3921.82
MW - 4	02/18/19	3974.53	-	52.72	0.00	3921.81
MW - 4	04/16/19	3974.53	-	52.98	0.00	3921.55
MW - 4	04/23/19	3974.53	-	52.75	0.00	3921.78
MW - 4	04/30/19	3974.53	52.65	52.68	0.03	3921.88
MW - 4	05/07/19	3974.53	-	52.64	0.00	3921.89
MW - 4	05/09/19	3974.53	-	52.70	0.00	3921.83
MW - 4	05/14/19	3974.53	-	52.61	0.00	3921.92

TABLE 1

2019 GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	06/04/19	3974.53	-	53.01	0.00	3921.52
MW - 4	06/11/19	3974.53	-	53.05	0.00	3921.48
MW - 4	06/13/19	3974.53	-	53.43	0.00	3921.10
MW - 4	06/17/19	3974.53	-	53.36	0.00	3921.17
MW - 4	07/01/19	3974.53	-	52.74	0.00	3921.79
MW - 4	07/02/19	3974.53	-	52.68	0.00	3921.85
MW - 4	08/19/19	3974.53	-	52.87	0.00	3921.66
MW - 4	08/29/19	3974.53	-	52.80	0.00	3921.73
MW - 4	09/03/19	3974.53	-	52.86	0.00	3921.67
MW - 4	09/10/19	3974.53	-	53.02	0.00	3921.51
MW - 4	10/01/19	3974.53	-	52.86	0.00	3921.67
MW - 4	10/22/19	3974.53	-	53.13	0.00	3921.40
MW - 4	11/11/19	3974.53	-	53.12	0.00	3921.41
MW - 4	11/15/19	3974.53	52.80	52.96	0.16	3921.71
MW - 5	01/08/19	3974.27	52.06	54.31	2.25	3921.87
MW - 5	01/10/19	3974.27	52.08	54.29	2.21	3921.86
MW - 5	01/15/19	3974.27	52.11	54.21	2.10	3921.85
MW - 5	01/24/19	3974.27	52.33	53.98	1.65	3921.69
MW - 5	02/11/19	3974.27	52.27	54.02	1.75	3921.74
MW - 5	02/18/19	3974.27	52.00	54.03	2.03	3921.97
MW - 5	04/16/19	3974.27	52.19	53.96	1.77	3921.81
MW - 5	04/23/19	3974.27	52.16	55.02	2.86	3921.68
MW - 5	04/30/19	3974.27	52.03	54.41	2.38	3921.88
MW - 5	05/07/19	3974.27	52.10	54.03	1.93	3921.88
MW - 5	05/09/19	3974.27	52.62	53.96	1.34	3921.45
MW - 5	05/14/19	3974.27	51.98	53.95	1.97	3921.99
MW - 5	06/04/19	3974.27	52.23	54.29	2.06	3921.73
MW - 5	06/11/19	3974.27	52.39	54.35	1.96	3921.59
MW - 5	06/13/19	3974.27	52.28	54.27	1.99	3921.69
MW - 5	06/17/19	3974.27	52.05	54.06	2.01	3921.92
MW - 5	07/01/19	3974.27	52.02	54.31	2.29	3921.91
MW - 5	07/02/19	3974.27	52.10	54.19	2.09	3921.86
MW - 5	08/19/19	3974.27	52.11	54.16	2.05	3921.85
MW - 5	08/29/19	3974.27	52.16	54.21	2.05	3921.80
MW - 5	09/03/19	3974.27	52.12	53.28	1.16	3921.98
MW - 5	09/10/19	3974.27	52.13	53.27	1.14	3921.97
MW - 5	10/01/19	3974.27	52.13	53.25	1.12	3921.97
MW - 5	10/22/19	3974.27	52.25	53.38	1.13	3921.85
MW - 5	11/11/19	3974.27	52.17	54.21	2.04	3921.79
MW - 5	11/15/19	3974.27	52.10	55.12	3.02	3921.72

TABLE 1

2019 GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	02/18/19	3974.72	53.02	53.04	0.02	3921.70
MW - 6	05/14/19	3974.72	53.02	53.04	0.02	3921.70
MW - 6	08/19/19	3974.72	53.24	53.27	0.03	3921.48
MW - 7	02/18/19	3974.60	-	52.99	0.00	3921.61
MW - 7	05/14/19	3974.60	-	52.95	0.00	3921.65
MW - 7	08/19/19	3974.60	-	53.16	0.00	3921.44
MW - 7	11/11/19	3974.60	-	53.12	0.00	3921.48
MW - 9	01/08/19	3975.06	-	53.09	0.00	3921.97
MW - 9	01/10/19	3975.06	-	53.11	0.00	3921.95
MW - 9	01/15/19	3975.06	-	53.13	0.00	3921.93
MW - 9	01/24/19	3975.06	-	53.32	0.00	3921.74
MW - 9	02/11/19	3975.06	-	53.16	0.00	3921.90
MW - 9	02/18/19	3975.06	-	53.21	0.00	3921.85
MW - 9	04/16/19	3975.06	-	53.09	0.00	3921.97
MW - 9	04/23/19	3975.06	-	53.22	0.00	3921.84
MW - 9	04/30/19	3975.06	-	53.09	0.00	3921.97
MW - 9	05/07/19	3975.06	-	53.08	0.00	3921.98
MW - 9	05/09/19	3975.06	-	53.14	0.00	3921.92
MW - 9	05/14/19	3975.06	-	53.10	0.00	3921.96
MW - 9	06/04/19	3975.06	-	53.04	0.00	3922.02
MW - 9	06/11/19	3975.06	-	53.40	0.00	3921.66
MW - 9	06/13/19	3975.06	-	53.01	0.00	3922.05
MW - 9	06/17/19	3975.06	-	53.07	0.00	3921.99
MW - 9	07/01/19	3975.06	-	53.41	0.00	3921.65
MW - 9	07/02/19	3975.06	-	53.09	0.00	3921.97
MW - 9	08/19/19	3975.06	-	53.32	0.00	3921.74
MW - 9	08/29/19	3975.06	-	53.04	0.00	3922.02
MW - 9	09/03/19	3975.06	-	53.07	0.00	3921.99
MW - 9	09/10/19	3975.06	-	52.84	0.00	3922.22
MW - 9	10/01/19	3975.06	-	53.04	0.00	3922.02
MW - 9	10/22/19	3975.06	-	53.01	0.00	3922.05
MW - 9	11/11/19	3975.06	-	53.69	0.00	3921.37
MW - 9	11/15/19	3975.06	53.28	53.43	0.15	3921.76
MW - 10	02/18/19	3975.02	-	52.94	0.00	3922.08
MW - 10	05/14/19	3975.02	-	52.92	0.00	3922.10
MW - 10	08/19/19	3975.02	-	53.10	0.00	3921.92
MW - 10	11/11/19	3975.02	-	53.11	0.00	3921.91
MW - 11	02/18/19	3975.30	-	53.69	0.00	3921.61
MW - 11	05/14/19	3975.30	-	53.66	0.00	3921.64

TABLE 1

2019 GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 11	08/19/19	3975.30	-	53.84	0.00	3921.46
MW - 11	11/11/19	3975.30	-	53.84	0.00	3921.46
MW - 12	02/18/19	3974.55	-	52.64	0.00	3921.91
MW - 12	05/14/19	3974.55	-	52.59	0.00	3921.96
MW - 12	08/19/19	3974.55	-	52.79	0.00	3921.76
MW - 12	11/11/19	3974.55	-	52.79	0.00	3921.76
MW - 13	02/18/19	3975.00	-	53.64	0.00	3921.36
MW - 13	05/14/19	3975.00	-	53.60	0.00	3921.40
MW - 13	08/19/19	3975.00	-	53.79	0.00	3921.21
MW - 13	11/11/19	3975.00	-	53.84	0.00	3921.16
MW - 14	02/18/19	3976.15	-	54.33	0.00	3921.82
MW - 14	05/14/19	3976.15	-	54.29	0.00	3921.86
MW - 14	08/19/19	3976.15	-	54.47	0.00	3921.68
MW - 14	11/11/19	3976.15	-	54.49	0.00	3921.66
MW - 15	02/18/19	3974.69	-	53.16	0.00	3921.53
MW - 15	05/14/19	3974.69	-	53.11	0.00	3921.58
MW - 15	08/19/19	3974.69	-	53.30	0.00	3921.39
MW - 15	11/11/19	3974.69	-	53.32	0.00	3921.37
MW - 16	02/18/19	3975.12	-	53.22	0.00	3921.90
MW - 16	05/14/19	3975.12	-	53.16	0.00	3921.96
MW - 16	08/19/19	3975.12	-	53.37	0.00	3921.75
MW - 16	11/11/19	3975.12	-	53.36	0.00	3921.76
MW - 18	02/18/19	-	-	54.37	0.00	-
MW - 18	05/14/19	-	-	54.34	0.00	-
MW - 18	08/19/19	-	-	54.53	0.00	-
MW - 18	11/11/19	-	-	54.57	0.00	-
RW - 1	02/18/19	3970.79	48.59	50.57	1.98	3921.90
RW - 1	05/14/19	3970.79	48.27	49.66	1.39	3922.31
RW - 1	08/19/19	3970.79	49.63	50.51	0.88	3921.03
RW - 1	11/11/19	3970.79	49.65	50.54	0.89	3921.01
RW - 2	02/18/19	-	53.27	53.38	0.11	-
RW - 2	05/14/19	-	53.25	53.40	0.15	-
RW - 2	08/19/19	-	53.34	53.43	0.09	-
RW - 2	11/11/19	-	53.34	53.48	0.14	-
RW - 3	02/18/19	-	53.49	55.01	1.52	-

TABLE 1**2019 GROUNDWATER ELEVATION DATA**

**PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO**

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 3	05/14/19	-	53.46	55.46	2.00	-
RW - 3	08/19/19	-	53.67	55.63	1.96	-
RW - 3	11/11/19	-	53.72	55.64	1.92	-
RW - 4	02/18/19	-	53.49	55.71	2.22	-
RW - 4	05/14/19	-	53.44	55.84	2.40	-
RW - 4	08/19/19	-	53.54	56.29	2.75	-
RW - 4	11/11/19	-	53.37	56.31	2.94	-

TABLE 2

2019 CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
 TNM 97-04
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 2	02/18/19	Not Sampled Due to PSH in Well				
MW - 2	05/14/19	Not Sampled Due to PSH in Well				
MW - 2	08/19/19	Not Sampled Due to PSH in Well				
MW - 2	11/11/19	Not Sampled Due to PSH in Well				
MW - 3	02/18/19	Not Sampled Due to PSH in Well				
MW - 3	05/14/19	Not Sampled Due to PSH in Well				
MW - 3	08/19/19	Not Sampled Due to PSH in Well				
MW - 3	11/11/19	Not Sampled Due to PSH in Well				
MW - 4	02/18/19	0.0987	0.0218	0.254	0.718	
MW - 4	05/14/19	0.0604	0.0315	0.117	0.348	
MW - 4	08/19/19	0.0436	0.0385	0.141	0.3248	
MW - 4	11/11/19	0.166	0.233	0.327	1.114	
MW - 5	02/18/19	Not Sampled Due to PSH in Well				
MW - 5	05/14/19	Not Sampled Due to PSH in Well				
MW - 5	08/19/19	Not Sampled Due to PSH in Well				
MW - 5	11/11/19	Not Sampled Due to PSH in Well				
MW - 6	02/18/19	Not Sampled Due to PSH in Well				
MW - 6	05/14/19	Not Sampled Due to PSH in Well				
MW - 6	08/19/19	Not Sampled Due to PSH in Well				
MW - 6	11/11/19	Not Sampled Due to PSH in Well				
MW - 7	02/18/19	Not Sampled on Current Sample Schedule				
MW - 7	05/14/19	Not Sampled on Current Sample Schedule				
MW - 7	08/19/19	Not Sampled on Current Sample Schedule				
MW - 7	11/11/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 9	02/18/19	0.00893	0.0254	0.0608	0.1877	
MW - 9	05/14/19	0.0239	0.0786	0.119	0.350	
MW - 9	08/19/19	0.00796	0.0224	0.0565	0.221	
MW - 9	11/11/19	0.0141	0.202	0.274	1.003	
MW - 10	02/18/19	Not Sampled on Current Sample Schedule				
MW - 10	05/14/19	Not Sampled on Current Sample Schedule				
MW - 10	08/19/19	Not Sampled on Current Sample Schedule				
MW - 10	11/11/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 11	02/18/19	Not Sampled on Current Sample Schedule				

TABLE 2

2019 CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	o - XYLENES
MW - 11	05/14/19	Not Sampled on Current Sample Schedule				
MW - 11	08/19/19	Not Sampled on Current Sample Schedule				
MW - 11	11/11/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 12	02/18/19	Not Sampled on Current Sample Schedule				
MW - 12	05/14/19	Not Sampled on Current Sample Schedule				
MW - 12	08/19/19	Not Sampled on Current Sample Schedule				
MW - 12	11/11/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 13	02/18/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 13	05/14/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 13	08/19/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 13	11/11/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 14	02/18/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 14	05/14/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 14	08/19/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 14	11/11/19	<0.00100	<0.00100	0.00111	0.00665	
MW - 15	02/18/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 15	05/14/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 15	08/19/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 15	11/11/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 16	02/18/19	Not Sampled on Current Sample Schedule				
MW - 16	05/14/19	Not Sampled on Current Sample Schedule				
MW - 16	08/19/19	Not Sampled on Current Sample Schedule				
MW - 16	11/11/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 18	02/18/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 18	05/14/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 18	08/19/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 18	11/11/19	<0.00100	<0.00100	<0.00100	<0.00200	
RW - 1	02/18/19	Not Sampled Due to PSH in Well				
RW - 1	05/14/19	Not Sampled Due to PSH in Well				
RW - 1	08/19/19	Not Sampled Due to PSH in Well				
RW - 1	11/11/19	Not Sampled Due to PSH in Well				
RW - 2	02/18/19	Not Sampled Due to PSH in Well				
RW - 2	05/14/19	Not Sampled Due to PSH in Well				
RW - 2	08/19/19	Not Sampled Due to PSH in Well				
RW - 2	11/11/19	Not Sampled Due to PSH in Well				

TABLE 2

2019 CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
 TNM 97-04
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	o - XYLENES
RW - 3	02/18/19	Not Sampled Due to PSH in Well				
RW - 3	05/14/19	Not Sampled Due to PSH in Well				
RW - 3	08/19/19	Not Sampled Due to PSH in Well				
RW - 3	11/11/19	Not Sampled Due to PSH in Well				
RW - 4	02/18/19	Not Sampled Due to PSH in Well				
RW - 4	05/14/19	Not Sampled Due to PSH in Well				
RW - 4	08/19/19	Not Sampled Due to PSH in Well				
RW - 4	11/11/19	Not Sampled Due to PSH in Well				

TABLE 3

2019 POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 TOWNSEND
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

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	Dibenzo[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-2	11/11/19	Not Sampled due to the presence of PSH.																		
MW-3	11/11/19	Not Sampled due to the presence of PSH.																		
MW-4	11/11/19	0.011	0.010	0.025	<0.00097	<0.00097	0.0050	<0.00097	0.0024	0.059	<0.00097	0.013	0.25	<0.00097	0.36	0.015	7.6		0.23	
MW-5	11/11/19	Not Sampled due to the presence of PSH.																		
MW-6	11/11/19	Not Sampled due to the presence of PSH.																		
MW-7	11/11/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-9	11/11/19	0.013	0.0064	0.023	<0.00098	0.0015	0.0048	<0.00098	0.0038	0.054	<0.00098	0.013	0.29	<0.00098	0.49	0.014	6.2		0.26	
MW-10	11/11/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-11	11/11/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	11/11/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	11/11/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-14	11/11/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-15	11/11/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-16	11/11/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-18	11/11/19	Not Sampled as part of Quarterly Monitoring Event.																		

TABLE 3

2019 POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 TOWNSEND
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

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			---
RW-1	11/11/19	Not Sampled due to the presence of PSH.																		
RW-2	11/11/19	Not Sampled due to the presence of PSH.																		
RW-3	11/11/19	Not Sampled due to the presence of PSH.																		
RW-4	11/11/19	Not Sampled due to the presence of PSH.																		

TABLE 4

2018 - 2020 NMWQCC METALS CONCENTRATIONS IN EFFLUENT GROUNDWATER
PLAINS MARKETING, L.P.
TNM 97-04 TOWNSEND
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE																	
		Total Aluminum	Total Boron	Total Cobalt	Total Copper	Total Iron	Total Manganese	Total Molybdenum	Total Nickel	Total Arsenic	Total Barium	Total Cadmium	Total Chromium	Total Mercury	Total Lead	Total Selenium	Total Silver	Total Zinc
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		5.0 mg/L	0.75 mg/L	0.05 mg/L	1.0 mg/L	1.0 mg/L	0.2 mg/L	1.0 mg/L	0.2 mg/L	0.1 mg/L	1.0 mg/L	0.01 mg/L	0.05 mg/L	0.002 mg/L	0.05 mg/L	0.05 mg/L	0.05 mg/L	10 mg/L
Post Carbon**	10/30/18	0.0123	1.40	0.0012	0.0155	<0.200	0.637	0.0157	0.00441	0.00972	0.727	<0.00190	<0.00400	<0.000200	0.00242	<0.00200	<0.00200	0.0411
Pre Carbon****	11/27/18	-	0.166	-	-	-	0.0877	-	-	-	-	-	-	-	-	-	-	-
Pre Carbon***	11/27/18	-	0.163	-	-	-	0.0572	-	-	-	-	-	-	-	-	-	-	-
MW-10***	11/27/18	-	0.186	-	-	-	0.0372	-	-	-	-	-	-	-	-	-	-	-
MW-14***	11/27/18	-	0.147	-	-	-	0.332	-	-	-	-	-	-	-	-	-	-	-
Frac Tank***	11/27/18	-	0.152	-	-	-	0.110	-	-	-	-	-	-	-	-	-	-	-
Blank***	11/27/18	-	0.0416	-	-	-	<0.00800	-	-	-	-	-	-	-	-	-	-	-
Post***	04/22/19	-	0.234	<0.00800	0.0185	0.246	0.400	0.0411	<0.0080	<0.00800	0.159	<0.00800	<0.00800	<0.000250	0.0124	<0.00800	<0.00800	0.0175
Post (Rerun)***	04/22/19	0.111	0.196	-	-	-	0.408	-	-	-	-	-	-	-	-	-	<0.00500	0.0307
Post****	04/22/19	0.178	0.200	<0.00200	0.00478	0.121	0.384	0.0413	0.00271	0.00641	0.167	<0.000147	<0.00400	<0.0000263	<0.00200	<0.00200	<0.000251	<0.0300
Post-Carbon***	07/09/19	-	0.145	-	-	-	0.446	-	-	-	-	-	-	-	-	-	-	-
Pre-Aeration***	07/29/19	<0.0550	0.152	<0.00200	0.00327	1.02	0.167	<0.00200	<0.0060	0.0141	0.352	<0.00100	<0.00800	<0.000250	0.0272	0.00243	<0.00500	0.00237
Post Aeration***	07/29/19	<0.0550	0.149	<0.00200	0.00906	1.00	0.163	<0.00200	<0.0060	0.0146	0.345	<0.00100	<0.00800	<0.000250	0.0259	0.00221	<0.00500	0.0203
Pre-Carbon***	07/29/19	<0.0550	0.145	<0.00200	0.00324	0.546	0.160	0.00146	<0.0060	0.0138	0.335	<0.00100	<0.00800	<0.000250	0.0259	0.00287	<0.00500	0.0119
Post Carbon***	07/29/19	0.0794	0.123	<0.00200	0.00551	0.467	0.384	0.00272	<0.0060	0.0114	0.342	<0.00100	<0.00800	<0.000250	0.0246	0.00390	<0.00500	0.00831
Post Metals***	01/23/20	<0.0550	0.0651	<0.00200	0.00375	0.348	0.119	<0.00200	<0.0060	0.0157	0.245	<0.00100	<0.0910	<0.000250	<0.0110	0.0190	<0.00500	0.0173

*Sample analysis conducted by TraceAnalysis, Inc.

**Sample analysis conducted by ALS Environmental Laboratories.

***Sample analysis conducted by Permian Basin Environmental Lab L.P.

****Sample analysis conducted by Xenco Laboratories

TABLE 5**2019 BTEX CONCENTRATIONS IN EFFLUENT GROUNDWATER**

**PLAINS MARKETING, L.P.
TNM 97-04 TOWNSEND
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294**

Results and Regulatory Guidelines in mg/L

Sample Date	Sample Location	Benzene	Toluene	Ethylbenzene	Xylenes
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62
04/01/19	Post Carbon	<0.00100	<0.0100	<0.0100	<0.00200
04/22/19	Post Carbon	<0.00100	<0.0100	<0.0100	<0.00200
07/09/19	Post Carbon	<0.00100	<0.0100	<0.0100	<0.00200

TABLE 6

2019 POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN EFFLUENT GROUNDWATER

PLAINS MARKETING, L.P.
 TNM 97-04 TOWNSEND
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE NUMBER GW-0294

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[ghi]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			---
Post Carbon	04/01/19	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010			<0.00010
Post Carbon	07/09/19	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010			<0.00010

Historical Tables

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 1	03/02/00	3974.18	-	53.01	0.00	3921.17
MW - 1	04/25/00	3974.18	-	53.02	0.00	3921.16
MW - 1	09/06/00	3974.18	-	53.07	0.00	3921.11
MW - 1	11/28/00	3974.18	-	53.08	0.00	3921.10
MW - 1	02/21/01	3974.18	-	52.98	0.00	3921.20
MW - 1	05/31/01	3974.18	-	52.94	0.00	3921.24
MW - 1	08/23/01	3974.18	-	52.95	0.00	3921.23
MW - 1	11/21/01	3974.18	-	52.99	0.00	3921.19
MW - 1	02/13/02	3974.18	-	53.04	0.00	3921.14
MW - 1	06/12/02	3974.18	-	52.99	0.00	3921.19
MW - 1	08/26/02	3974.18	-	53.02	0.00	3921.16
MW - 1	11/21/02	3974.18	-	53.07	0.00	3921.11
MW - 1	02/05/03	3974.18	-	53.00	0.00	3921.18
MW - 1	05/07/03	3974.18	-	52.96	0.00	3921.22
MW - 1	08/18/03	3974.18	-	53.01	0.00	3921.17
MW - 1	12/01/03	3974.18	-	53.07	0.00	3921.11
MW - 1	02/05/04	3974.18	-	53.07	0.00	3921.11
MW - 1	05/05/04	3974.18	-	53.50	0.00	3920.68
MW - 1	09/01/04	3974.18	-	53.11	0.00	3921.07
MW - 1	12/15/04	3974.18	-	53.09	0.00	3921.09
MW - 1	03/22/05	3974.18	-	52.80	0.00	3921.38
MW - 1	06/22/05	3974.18	-	52.75	0.00	3921.43
MW - 1	09/14/05	PLUGGED & ABANDONED				
MW - 2	03/02/00	3974.62	52.49	55.38	2.89	3921.70
MW - 2	04/25/00	3974.62	52.59	55.42	2.83	3921.61
MW - 2	09/05/00	3974.62	52.58	55.71	3.13	3921.57
MW - 2	12/01/00	3974.62	52.75	55.23	2.48	3921.50
MW - 2	02/21/01	3974.62	52.52	55.75	3.23	3921.62
MW - 2	05/31/01	3974.62	52.77	54.75	1.98	3921.55
MW - 2	08/23/01	3974.62	52.40	55.83	3.43	3921.71
MW - 2	11/21/01	3974.62	53.02	54.21	1.19	3921.42
MW - 2	02/13/02	3974.62	52.48	56.14	3.66	3921.59
MW - 2	06/12/02	3974.62	52.44	56.11	3.67	3921.63
MW - 2	11/08/02	3974.62	52.59	55.99	3.40	3921.52
MW - 2	11/21/02	3974.62	53.13	53.54	0.41	3921.43
MW - 2	12/27/02	3974.62	52.64	55.65	3.01	3921.53
MW - 2	01/06/03	3974.62	52.80	54.81	2.01	3921.52
MW - 2	01/08/03	3974.62	52.95	54.14	1.19	3921.49
MW - 2	01/10/03	3974.62	53.15	53.32	0.17	3921.44
MW - 2	01/13/03	3974.62	53.14	53.32	0.18	3921.45
MW - 2	02/05/03	3974.62	52.70	55.28	2.58	3921.53
MW - 2	02/26/03	3974.62	52.57	55.74	3.17	3921.57

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	03/04/03	3974.62	52.58	55.75	3.17	3921.56
MW - 2	03/12/03	3974.62	52.60	55.79	3.19	3921.54
MW - 2	03/18/03	3974.62	52.61	55.71	3.10	3921.55
MW - 2	03/25/03	3974.62	52.60	55.77	3.17	3921.54
MW - 2	03/31/03	3974.62	52.59	55.71	3.12	3921.56
MW - 2	04/09/03	3974.62	52.60	53.13	0.53	3921.94
MW - 2	04/14/03	3974.62	52.64	52.89	0.25	3921.94
MW - 2	05/07/03	3974.62	52.52	55.73	3.21	3921.62
MW - 2	05/08/03	3974.62	52.60	55.81	3.21	3921.54
MW - 2	05/13/03	3974.62	52.61	55.79	3.18	3921.53
MW - 2	05/21/03	3974.62	52.62	55.83	3.21	3921.52
MW - 2	05/27/03	3974.62	52.57	55.71	3.14	3921.58
MW - 2	05/28/03	3974.62	52.63	55.83	3.20	3921.51
MW - 2	06/03/03	3974.62	52.76	55.81	3.05	3921.40
MW - 2	06/09/03	3974.62	52.62	55.79	3.17	3921.52
MW - 2	07/01/03	3974.62	52.80	53.81	1.01	3921.67
MW - 2	07/08/03	3974.62	52.69	55.92	3.23	3921.45
MW - 2	07/29/03	3974.62	52.57	55.72	3.15	3921.58
MW - 2	08/04/03	3974.62	52.76	55.91	3.15	3921.39
MW - 2	08/18/03	3974.62	52.85	54.18	1.33	3921.57
MW - 2	08/25/03	3974.62	52.86	56.04	3.18	3921.28
MW - 2	10/01/03	3974.62	52.76	52.99	0.23	3921.83
MW - 2	10/06/03	3974.62	52.63	55.69	3.06	3921.53
MW - 2	10/08/03	3974.62	52.95	56.07	3.12	3921.20
MW - 2	10/15/03	3974.62	52.93	56.08	3.15	3921.22
MW - 2	11/12/03	3974.62	53.04	54.18	1.14	3921.41
MW - 2	11/19/03	3974.62	53.03	56.18	3.15	3921.12
MW - 2	12/01/03	3974.62	53.08	56.21	3.13	3921.07
MW - 2	12/10/03	3974.62	52.74	55.82	3.08	3921.42
MW - 2	02/05/04	3974.62	53.09	56.18	3.09	3921.07
MW - 2	02/17/04	3974.62	52.78	53.51	0.73	3921.73
MW - 2	02/25/04	3974.62	53.06	56.03	2.97	3921.11
MW - 2	03/09/04	3974.62	52.83	55.87	3.04	3921.33
MW - 2	03/16/04	3974.62	52.85	55.80	2.95	3921.33
MW - 2	03/22/04	3974.62	53.32	54.00	0.68	3921.20
MW - 2	04/07/04	3974.62	52.88	53.14	0.26	3921.70
MW - 2	04/12/04	3974.62	53.21	56.03	2.82	3920.99
MW - 2	04/19/04	3974.62	52.88	53.98	1.10	3921.58
MW - 2	05/05/04	3974.62	52.88	55.83	2.95	3921.30
MW - 2	05/11/04	3974.62	52.98	55.95	2.97	3921.19
MW - 2	06/07/04	3974.62	52.63	55.49	2.86	3921.56
MW - 2	06/15/04	3974.62	-	52.57	0.00	3922.05
MW - 2	06/20/04	3974.62	52.57	WELL OBSTRUCTED		

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	06/21/04	3974.62	52.58	WELL OBSTRUCTED		
MW - 2	06/28/04	3974.62	52.58	WELL OBSTRUCTED		
MW - 2	07/08/04	3974.62	52.58	WELL OBSTRUCTED		
MW - 2	07/12/04	3974.62	52.59	WELL OBSTRUCTED		
MW - 2	08/12/04	3974.62	52.59	WELL OBSTRUCTED		
MW - 2	08/17/04	3974.62	52.63	WELL OBSTRUCTED		
MW - 2	08/26/04	3974.62	52.62	WELL OBSTRUCTED		
MW - 2	09/01/04	3974.62	53.86	54.75	0.89	3920.63
MW - 2	09/03/04	3974.62	53.86	54.75	0.89	3920.63
MW - 2	09/08/04	3974.62	53.92	54.75	0.83	3920.58
MW - 2	09/14/04	3974.62	52.90	54.75	1.85	3921.44
MW - 2	09/22/04	3974.62	53.01	54.75	1.74	3921.35
MW - 2	10/01/04	3974.62	52.88	54.90	2.02	3921.44
MW - 2	10/08/04	3974.62	52.94	55.10	2.16	3921.36
MW - 2	10/15/04	3974.62	53.10	55.10	2.00	3921.22
MW - 2	10/22/04	3974.62	52.73	55.15	2.42	3921.53
MW - 2	11/12/04	3974.62	52.68	55.65	2.97	3921.49
MW - 2	11/26/04	3974.62	52.70	54.60	1.90	3921.64
MW - 2	12/02/04	3974.62	52.72	55.50	2.78	3921.48
MW - 2	12/06/04	3974.62	52.99	55.31	2.32	3921.28
MW - 2	12/13/04	3974.62	52.80	54.70	1.90	3921.54
MW - 2	12/15/04	3974.62	52.80	54.70	1.90	3921.54
MW - 2	12/27/04	3974.62	52.80	55.20	2.40	3921.46
MW - 2	01/10/05	3974.62	52.57	55.40	2.83	3921.63
MW - 2	01/18/05	3974.62	52.63	55.17	2.54	3921.61
MW - 2	01/18/05	3974.62	52.78	54.33	1.55	3921.61
MW - 2	01/25/05	3974.62	52.51	55.35	2.84	3921.68
MW - 2	01/27/05	3974.62	52.55	55.22	2.67	3921.67
MW - 2	02/01/05	3974.62	52.52	55.55	3.03	3921.65
MW - 2	02/07/05	3974.62	52.50	55.34	2.84	3921.69
MW - 2	02/11/05	3974.62	52.50	55.23	2.73	3921.71
MW - 2	02/15/05	3974.62	52.49	55.25	2.76	3921.72
MW - 2	02/22/05	3974.62	52.46	55.44	2.98	3921.71
MW - 2	02/24/05	3974.62	52.43	55.50	3.07	3921.73
MW - 2	03/03/05	3974.62	52.43	55.41	2.98	3921.74
MW - 2	03/09/05	3974.62	52.43	55.35	2.92	3921.75
MW - 2	03/22/05	3974.62	53.03	53.13	0.10	3921.58
MW - 2	03/24/05	3974.62	53.03	53.13	0.10	3921.58
MW - 2	03/31/05	3974.62	53.05	53.12	0.07	3921.56
MW - 2	06/22/05	3974.62	52.86	53.38	0.52	3921.68
MW - 2	07/21/05	3974.62	52.73	53.24	0.51	3921.81
MW - 2	08/03/05	3974.62	52.45	54.54	2.09	3921.86
MW - 2	08/12/05	3974.62	52.42	54.58	2.16	3921.88

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	08/15/05	3974.62	52.48	54.40	1.92	3921.85
MW - 2	08/22/05	3974.62	52.41	54.50	2.09	3921.90
MW - 2	08/30/05	3974.62	52.40	54.64	2.24	3921.88
MW - 2	09/07/05	3974.62	52.38	54.62	2.24	3921.90
MW - 2	09/14/05	3974.62	52.32	54.63	2.31	3921.95
MW - 2	09/20/05	3974.62	52.39	54.48	2.09	3921.92
MW - 2	09/21/05	3974.62	52.36	54.61	2.25	3921.92
MW - 2	09/28/05	3974.62	52.38	54.60	2.22	3921.91
MW - 2	10/06/05	3974.62	52.32	54.85	2.53	3921.92
MW - 2	10/13/05	3974.62	52.32	54.85	2.53	3921.92
MW - 2	10/20/05	3974.62	52.32	54.84	2.52	3921.92
MW - 2	10/26/05	3974.62	52.33	54.83	2.50	3921.92
MW - 2	11/03/05	3974.62	52.28	54.80	2.52	3921.96
MW - 2	11/10/05	3974.62	52.29	54.79	2.50	3921.96
MW - 2	11/16/05	3974.62	52.31	54.79	2.48	3921.94
MW - 2	11/23/05	3974.62	52.33	54.75	2.42	3921.93
MW - 2	11/28/05	3974.62	52.27	54.83	2.56	3921.97
MW - 2	12/05/05	3974.62	52.30	54.72	2.42	3921.96
MW - 2	12/12/05	3974.62	52.29	54.70	2.41	3921.97
MW - 2	12/16/05	3974.62	53.01	53.84	0.83	3921.49
MW - 2	12/19/05	3974.62	52.35	54.76	2.41	3921.91
MW - 2	12/29/05	3974.62	52.26	54.82	2.56	3921.98
MW - 2	01/04/06	3974.62	52.30	54.80	2.50	3921.95
MW - 2	01/10/06	3974.62	52.29	54.80	2.51	3921.95
MW - 2	01/17/06	3974.62	52.29	54.78	2.49	3921.96
MW - 2	01/26/06	3974.62	52.26	54.78	2.52	3921.98
MW - 2	01/31/06	3974.62	52.28	54.74	2.46	3921.97
MW - 2	02/07/06	3974.62	52.27	54.73	2.46	3921.98
MW - 2	02/09/06	3974.62	52.34	54.57	2.23	3921.95
MW - 2	02/13/06	3974.62	52.28	54.60	2.32	3921.99
MW - 2	02/22/06	3974.62	52.27	54.73	2.46	3921.98
MW - 2	02/28/06	3974.62	52.29	54.70	2.41	3921.97
MW - 2	03/07/06	3974.62	52.27	54.68	2.41	3921.99
MW - 2	03/15/06	3974.62	52.24	54.70	2.46	3922.01
MW - 2	03/20/06	3974.62	52.22	54.64	2.42	3922.04
MW - 2	03/22/06	3974.62	52.60	53.40	0.80	3921.90
MW - 2	03/29/06	3974.62	52.24	54.57	2.33	3922.03
MW - 2	04/11/06	3974.62	52.21	54.59	2.38	3922.05
MW - 2	04/18/06	3974.62	52.22	54.60	2.38	3922.04
MW - 2	04/25/06	3974.62	52.29	54.63	2.34	3921.98
MW - 2	05/02/06	3974.62	52.22	53.98	1.76	3922.14
MW - 2	05/09/06	3974.62	52.21	54.43	2.22	3922.08
MW - 2	05/16/06	3974.62	52.22	54.61	2.39	3922.04

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	05/23/06	3974.62	52.23	54.59	2.36	3922.04
MW - 2	05/31/06	3974.62	52.21	54.58	2.37	3922.05
MW - 2	06/06/06	3974.62	52.22	54.54	2.32	3922.05
MW - 2	06/13/06	3974.62	52.22	54.54	2.32	3922.05
MW - 2	06/20/06	3974.62	52.21	54.51	2.30	3922.07
MW - 2	06/21/06	3974.62	52.36	53.85	1.49	3922.04
MW - 2	07/06/06	3974.62	52.20	54.53	2.33	3922.07
MW - 2	07/12/06	3974.62	52.25	54.31	2.06	3922.06
MW - 2	07/20/06	3974.62	52.29	53.18	0.89	3922.20
MW - 2	07/25/06	3974.62	52.25	54.28	2.03	3922.07
MW - 2	08/01/06	3974.62	52.26	54.31	2.05	3922.05
MW - 2	08/16/06	3974.62	52.26	54.32	2.06	3922.05
MW - 2	08/23/06	3974.62	52.27	53.26	0.99	3922.20
MW - 2	08/28/06	3974.62	52.28	54.24	1.96	3922.05
MW - 2	09/12/06	3974.62	52.25	54.27	2.02	3922.07
MW - 2	09/22/06	3974.62	52.27	54.27	2.00	3922.05
MW - 2	09/27/06	3974.62	52.27	54.20	1.93	3922.06
MW - 2	10/06/06	3974.62	52.25	54.29	2.04	3922.06
MW - 2	10/10/06	3974.62	52.69	54.19	1.50	3921.71
MW - 2	10/16/06	3974.62	52.28	54.25	1.97	3922.04
MW - 2	10/26/06	3974.62	52.27	54.25	1.98	3922.05
MW - 2	11/03/06	3974.62	52.27	54.24	1.97	3922.05
MW - 2	11/09/06	3974.62	52.28	54.14	1.86	3922.06
MW - 2	11/16/06	3974.62	52.26	54.18	1.92	3922.07
MW - 2	11/22/06	3974.62	52.25	54.18	1.93	3922.08
MW - 2	12/04/06	3974.62	52.25	54.15	1.90	3922.09
MW - 2	12/08/06	3974.62	52.25	54.19	1.94	3922.08
MW - 2	12/15/06	3974.62	52.16	54.37	2.21	3922.13
MW - 2	01/05/07	3974.62	52.20	54.43	2.23	3922.09
MW - 2	01/12/07	3974.62	52.19	54.37	2.18	3922.10
MW - 2	01/18/07	3974.62	52.17	54.37	2.20	3922.12
MW - 2	01/24/07	3974.62	52.20	54.35	2.15	3922.10
MW - 2	01/29/07	3974.62	52.17	54.28	2.11	3922.13
MW - 2	02/09/07	3974.62	52.17	54.31	2.14	3922.13
MW - 2	02/16/07	3974.62	52.18	54.34	2.16	3922.12
MW - 2	02/23/07	3974.62	52.15	54.25	2.10	3922.16
MW - 2	03/02/07	3974.62	52.16	54.30	2.14	3922.14
MW - 2	03/14/07	3974.62	52.20	53.88	1.68	3922.17
MW - 2	03/26/07	3974.62	52.19	54.13	1.94	3922.14
MW - 2	04/03/07	3974.62	52.15	54.22	2.07	3922.16
MW - 2	04/09/07	3974.62	52.14	54.20	2.06	3922.17
MW - 2	04/26/07	3974.62	52.15	54.21	2.06	3922.16
MW - 2	04/30/07	3974.62	52.16	54.13	1.97	3922.16

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	05/11/07	3974.62	52.15	54.16	2.01	3922.17
MW - 2	05/16/07	3974.62	52.16	54.13	1.97	3922.16
MW - 2	05/22/07	3974.62	52.15	54.12	1.97	3922.17
MW - 2	05/29/07	3974.62	52.13	54.12	1.99	3922.19
MW - 2	06/01/07	3974.62	52.12	54.14	2.02	3922.20
MW - 2	06/08/07	3974.62	52.14	54.12	1.98	3922.18
MW - 2	06/11/07	3974.62	52.16	54.00	1.84	3922.18
MW - 2	06/20/07	3974.62	52.15	54.10	1.95	3922.18
MW - 2	07/10/07	3974.62	52.13	54.08	1.95	3922.20
MW - 2	07/20/07	3974.62	52.14	54.06	1.92	3922.19
MW - 2	07/25/07	3974.62	52.14	54.02	1.88	3922.20
MW - 2	08/01/07	3974.62	52.11	54.01	1.90	3922.23
MW - 2	08/10/07	3974.62	52.15	54.02	1.87	3922.19
MW - 2	08/15/07	3974.62	52.14	54.00	1.86	3922.20
MW - 2	08/30/07	3974.62	52.15	54.00	1.85	3922.19
MW - 2	08/31/07	3974.62	52.15	54.00	1.85	3922.19
MW - 2	09/10/07	3974.62	52.14	53.98	1.84	3922.20
MW - 2	09/19/07	3974.62	52.12	53.98	1.86	3922.22
MW - 2	09/27/07	3974.62	52.11	53.94	1.83	3922.24
MW - 2	10/01/07	3974.62	52.14	53.88	1.74	3922.22
MW - 2	10/19/07	3974.62	52.10	53.96	1.86	3922.24
MW - 2	10/26/07	3974.62	52.10	53.91	1.81	3922.25
MW - 2	11/12/07	3974.62	52.12	53.89	1.77	3922.23
MW - 2	11/16/07	3974.62	52.10	53.88	1.78	3922.25
MW - 2	11/29/07	3974.62	52.10	53.89	1.79	3922.25
MW - 2	12/13/07	3974.62	52.10	53.86	1.76	3922.26
MW - 2	01/10/08	3974.62	52.08	53.79	1.71	3922.28
MW - 2	01/17/08	3974.62	52.10	53.79	1.69	3922.27
MW - 2	01/22/08	3974.62	52.08	53.74	1.66	3922.29
MW - 2	2/6/08 #1	3974.62	52.10	53.71	1.61	3922.28
MW - 2	02/06/08 #2	3974.62	52.32	52.79	0.47	3922.23
MW - 2	2/12/08#1	3974.62	52.11	53.72	1.61	3922.27
MW - 2	2/12/08#2	3974.62	52.34	52.68	0.34	3922.23
MW - 2	2/20/08 #1	3974.62	52.11	53.70	1.59	3922.27
MW - 2	2/20/08 #2	3974.62	52.30	52.78	0.48	3922.25
MW - 2	2/27/08 #1	3974.62	52.11	53.67	1.56	3922.28
MW - 2	2/27/08 #2	3974.62	52.28	52.87	0.59	3922.25
MW - 2	03/07/08	3974.62	52.10	53.66	1.56	3922.29
MW - 2	3/12/2008 #1	3974.62	52.10	53.66	1.56	3922.29
MW - 2	3/12/2008 #2	3974.62	52.29	52.30	0.01	3922.33
MW - 2	3/20/08 #1	3974.62	52.10	53.65	1.55	3922.29
MW - 2	3/20/08#2	3974.62	52.29	52.76	0.47	3922.26
MW - 2	3/23/08 #1	3974.62	52.09	53.64	1.55	3922.30

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	3/23/08 #2	3974.62	52.30	52.31	0.01	3922.32
MW - 2	4/2/08 #1	3974.62	52.09	53.60	1.51	3922.30
MW - 2	4/2/08 #2	3974.62	52.23	52.89	0.66	3922.29
MW - 2	4/9/08 #1	3974.62	52.09	53.59	1.50	3922.31
MW - 2	4/9/08 #2	3974.62	52.23	52.92	0.69	3922.29
MW - 2	04/16/08	3974.62	52.06	53.57	1.51	3922.33
MW - 2	04/23/08	3974.62	52.08	53.57	1.49	3922.32
MW - 2	04/30/08	3974.62	52.08	53.55	1.47	3922.32
MW - 2	05/29/08	3974.62	52.07	53.50	1.43	3922.34
MW - 2	06/02/08	3974.62	52.07	53.45	1.38	3922.34
MW - 2	06/03/08	3974.62	52.07	53.45	1.38	3922.34
MW - 2	06/11/08	3974.62	52.07	53.52	1.45	3922.33
MW - 2	06/18/08	3974.62	52.07	53.52	1.45	3922.33
MW - 2	06/23/08	3974.62	52.08	53.48	1.40	3922.33
MW - 2	07/01/08	3974.62	52.09	53.51	1.42	3922.32
MW - 2	07/09/08	3974.62	52.09	53.51	1.42	3922.32
MW - 2	07/15/08	3974.62	52.08	53.45	1.37	3922.33
MW - 2	07/22/08	3974.62	52.08	53.48	1.40	3922.33
MW - 2	08/02/08	3974.62	52.08	53.38	1.30	3922.35
MW - 2	08/13/08	3974.62	52.08	53.46	1.38	3922.33
MW - 2	09/03/08	3974.62	52.04	53.44	1.40	3922.37
MW - 2	09/11/08	3974.62	52.07	53.45	1.38	3922.34
MW - 2	09/19/08	3974.62	52.05	53.41	1.36	3922.37
MW - 2	09/26/08	3974.62	52.06	53.41	1.35	3922.36
MW - 2	10/10/08	3974.62	52.06	53.41	1.35	3922.36
MW - 2	10/17/08	3974.62	52.08	53.37	1.29	3922.35
MW - 2	10/21/08	3974.62	52.17	53.35	1.18	3922.27
MW - 2	10/30/08	3974.62	52.05	53.36	1.31	3922.37
MW - 2	11/04/08	3974.62	52.08	53.36	1.28	3922.35
MW - 2	11/18/08	3974.62	52.08	53.36	1.28	3922.35
MW - 2	11/25/08	3974.62	52.08	53.35	1.27	3922.35
MW - 2	11/25/08	3974.62	52.71	52.72	0.01	3921.91
MW - 2	12/10/08	3974.62	52.09	53.44	1.35	3922.33
MW - 2	12/18/08	3974.62	52.05	53.34	1.29	3922.38
MW - 2	01/06/09	3974.62	52.05	53.39	1.34	3922.37
MW - 2	01/14/09	3974.62	52.19	53.35	1.16	3922.26
MW - 2	01/21/09	3974.62	52.25	53.11	0.86	3922.24
MW - 2	01/22/09	3974.62	52.03	53.33	1.30	3922.40
MW - 2	01/30/09	3974.62	52.05	53.30	1.25	3922.38
MW - 2	02/03/09	3974.62	52.06	53.27	1.21	3922.38
MW - 2	02/12/09	3974.62	52.06	53.28	1.22	3922.38
MW - 2	02/19/09	3974.62	52.05	53.26	1.21	3922.39
MW - 2	03/04/09	3974.62	52.10	53.23	1.13	3922.35

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	03/06/09	3974.62	52.05	53.26	1.21	3922.39
MW - 2	03/11/09	3974.62	52.08	53.24	1.16	3922.37
MW - 2	03/16/09	3974.62	52.13	53.25	1.12	3922.32
MW - 2	03/19/09	3974.62	52.06	53.25	1.19	3922.38
MW - 2	03/24/09	3974.62	52.03	53.19	1.16	3922.42
MW - 2	04/03/09	3974.62	52.05	53.11	1.06	3922.41
MW - 2	04/15/09	3974.62	52.06	53.12	1.06	3922.40
MW - 2	04/17/09	3974.62	52.09	52.94	0.85	3922.40
MW - 2	04/22/09	3974.62	52.07	53.10	1.03	3922.40
MW - 2	04/29/09	3974.62	52.03	53.15	1.12	3922.42
MW - 2	05/20/09	3974.62	52.05	53.11	1.06	3922.41
MW - 2	05/20/09	3974.62	52.05	53.11	1.06	3922.41
MW - 2	06/09/09	3974.62	52.05	53.11	1.06	3922.41
MW - 2	06/17/09	3974.62	52.06	53.14	1.08	3922.40
MW - 2	06/23/09	3974.62	52.07	53.08	1.01	3922.40
MW - 2	07/01/09	3974.62	52.05	53.10	1.05	3922.41
MW - 2	07/08/09	3974.62	52.05	53.07	1.02	3922.42
MW - 2	07/15/09	3974.62	52.06	53.06	1.00	3922.41
MW - 2	07/17/09	3974.62	52.10	53.00	0.90	3922.39
MW - 2	07/23/09	3974.62	52.06	53.09	1.03	3922.41
MW - 2	07/24/09	3974.62	52.09	52.89	0.80	3922.41
MW - 2	07/30/09	3974.62	52.06	53.05	0.99	3922.41
MW - 2	08/04/09	3974.62	52.06	53.02	0.96	3922.42
MW - 2	08/12/09	3974.62	52.08	53.06	0.98	3922.39
MW - 2	08/20/09	3974.62	52.06	53.08	1.02	3922.41
MW - 2	08/26/09	3974.62	52.55	53.08	0.53	3921.99
MW - 2	09/02/09	3974.62	52.05	53.07	1.02	3922.42
MW - 2	09/09/09	3974.62	52.06	53.06	1.00	3922.41
MW - 2	09/14/09	3974.62	52.05	53.08	1.03	3922.42
MW - 2	09/21/09	3974.62	52.06	52.08	0.02	3922.56
MW - 2	10/01/09	3974.62	52.08	53.08	1.00	3922.39
MW - 2	10/08/09	3974.62	52.08	53.09	1.01	3922.39
MW - 2	10/14/09	3974.62	52.08	53.06	0.98	3922.39
MW - 2	10/21/09	3974.62	52.04	53.07	1.03	3922.43
MW - 2	10/28/09	3974.62	52.03	53.08	1.05	3922.43
MW - 2	11/04/09	3974.62	52.05	53.00	0.95	3922.43
MW - 2	11/11/09	3974.62	52.05	52.98	0.93	3922.43
MW - 2	11/18/09	3974.62	52.05	53.02	0.97	3922.42
MW - 2	11/25/09	3974.62	52.05	53.01	0.96	3922.43
MW - 2	12/02/09	3974.62	52.06	53.05	0.99	3922.41
MW - 2	12/10/09	3974.62	52.06	53.03	0.97	3922.41
MW - 2	12/17/09	3974.62	52.09	53.04	0.95	3922.39
MW - 2	12/21/09	3974.62	52.03	52.83	0.80	3922.47

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	12/30/09	3974.62	52.09	52.96	0.87	3922.40
MW - 2	01/07/10	3974.62	52.09	52.85	0.76	3922.42
MW - 2	01/18/10	3974.62	52.04	52.92	0.88	3922.45
MW - 2	02/02/10	3974.62	52.05	52.89	0.84	3922.44
MW - 2	02/11/10	3974.62	52.05	52.90	0.85	3922.44
MW - 2	02/18/10	3974.62	52.04	52.90	0.86	3922.45
MW - 2	02/25/10	3974.62	52.08	52.95	0.87	3922.41
MW - 2	03/02/10	3974.62	52.11	52.92	0.81	3922.39
MW - 2	03/04/10	3974.62	52.09	52.83	0.74	3922.42
MW - 2	03/10/10	3974.62	52.08	52.93	0.85	3922.41
MW - 2	03/12/10	3974.62	52.15	52.86	0.71	3922.36
MW - 2	03/15/10	3974.62	52.09	52.74	0.65	3922.43
MW - 2	03/18/10	3974.62	52.10	52.69	0.59	3922.43
MW - 2	03/22/10	3974.62	52.18	52.74	0.56	3922.36
MW - 2	03/24/10	3974.62	52.17	52.68	0.51	3922.37
MW - 2	03/30/10	3974.62	52.15	52.65	0.50	3922.40
MW - 2	04/07/10	3974.62	52.18	52.63	0.45	3922.37
MW - 2	04/12/10	3974.62	52.03	52.81	0.78	3922.47
MW - 2	04/16/10	3974.62	52.69	54.59	1.90	3921.65
MW - 2	04/20/10	3974.62	52.55	54.31	1.76	3921.81
MW - 2	04/27/10	3974.62	52.54	54.40	1.86	3921.80
MW - 2	04/30/10	3974.62	52.58	54.08	1.50	3921.82
MW - 2	05/12/10	3974.62	52.52	54.20	1.68	3921.85
MW - 2	05/14/10	3974.62	52.54	54.39	1.85	3921.80
MW - 2	05/17/10	3974.62	52.55	54.19	1.64	3921.82
MW - 2	05/20/10	3974.62	52.50	54.19	1.69	3921.87
MW - 2	05/25/10	3974.62	52.38	53.90	1.52	3922.01
MW - 2	06/01/10	3974.62	52.39	53.89	1.50	3922.01
MW - 2	06/09/10	3974.62	52.37	53.86	1.49	3922.03
MW - 2	06/16/10	3974.62	52.43	53.11	0.68	3922.09
MW - 2	06/28/10	3974.62	52.36	53.47	1.11	3922.09
MW - 2	07/09/10	3974.62	52.44	53.12	0.68	3922.08
MW - 2	07/14/10	3974.62	52.06	52.58	0.52	3922.48
MW - 2	07/23/10	3974.62	52.09	52.60	0.51	3922.45
MW - 2	07/29/10	3974.62	52.07	52.60	0.53	3922.47
MW - 2	08/05/10	3974.62	52.08	52.60	0.52	3922.46
MW - 2	08/12/10	3974.62	52.07	52.60	0.53	3922.47
MW - 2	08/16/10	3974.62	52.07	52.60	0.53	3922.47
MW - 2	08/18/10	3974.62	52.07	52.62	0.55	3922.47
MW - 2	08/26/10	3974.62	52.34	53.05	0.71	3922.17
MW - 2	09/02/10	3974.62	52.41	53.40	0.99	3922.06
MW - 2	09/09/10	3974.62	52.09	52.59	0.50	3922.46
MW - 2	09/30/10	3974.62	52.09	52.61	0.52	3922.45

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	10/07/10	3974.62	52.09	52.72	0.63	3922.44
MW - 2	10/14/10	3974.62	52.48	53.43	0.95	3922.00
MW - 2	10/21/10	3974.62	52.51	53.42	0.91	3921.97
MW - 2	11/04/10	3974.62	52.08	52.71	0.63	3922.45
MW - 2	11/10/10	3974.62	52.51	53.42	0.91	3921.97
MW - 2	12/01/10	3974.62	52.02	52.85	0.83	3922.48
MW - 2	12/08/10	3974.62	52.39	53.22	0.83	3922.11
MW - 2	01/26/11	3974.62	52.08	52.62	0.54	3922.46
MW - 2	02/28/11	3974.62	52.48	53.50	1.02	3921.99
MW - 2	03/04/11	3974.62	52.27	52.90	0.63	3922.26
MW - 2	03/09/11	3974.62	52.29	53.43	1.14	3922.16
MW - 2	04/28/11	3974.62	52.53	53.42	0.89	3921.96
MW - 2	05/04/11	3974.62	52.22	53.24	1.02	3922.25
MW - 2	05/11/11	3974.62	52.23	53.36	1.13	3922.22
MW - 2	05/12/11	3974.62	52.15	52.94	0.79	3922.35
MW - 2	05/18/11	3974.62	52.16	53.08	0.92	3922.32
MW - 2	05/23/11	3974.62	52.30	53.49	1.19	3922.14
MW - 2	06/08/11	3974.62	52.45	53.50	1.05	3922.01
MW - 2	06/16/11	3974.62	52.38	53.26	0.88	3922.11
MW - 2	06/22/11	3974.62	52.30	53.11	0.81	3922.20
MW - 2	06/30/11	3974.62	52.22	53.24	1.02	3922.25
MW - 2	07/06/11	3974.62	52.08	53.11	1.03	3922.39
MW - 2	07/13/11	3974.62	52.29	53.20	0.91	3922.19
MW - 2	07/15/11	3974.62	52.26	53.66	1.40	3922.15
MW - 2	07/19/11	3974.62	52.09	52.72	0.63	3922.44
MW - 2	07/21/11	3974.62	52.10	52.98	0.88	3922.39
MW - 2	07/26/11	3974.62	52.24	52.94	0.70	3922.28
MW - 2	07/28/11	3974.62	52.04	53.04	1.00	3922.43
MW - 2	08/02/11	3974.62	52.48	53.60	1.12	3921.97
MW - 2	08/09/11	3974.62	52.34	53.79	1.45	3922.06
MW - 2	08/12/11	3974.62	52.37	53.40	1.03	3922.10
MW - 2	08/15/11	3974.62	52.37	53.40	1.03	3922.10
MW - 2	08/16/11	3974.62	52.13	52.68	0.55	3922.41
MW - 2	08/19/11	3974.62	52.20	52.79	0.59	3922.33
MW - 2	08/23/11	3974.62	52.15	52.69	0.54	3922.39
MW - 2	08/26/11	3974.62	52.25	53.18	0.93	3922.23
MW - 2	08/30/11	3974.62	52.11	52.55	0.44	3922.44
MW - 2	09/01/11	3974.62	52.13	52.44	0.31	3922.44
MW - 2	09/08/11	3974.62	52.30	53.59	1.29	3922.13
MW - 2	09/13/11	3974.62	52.17	52.31	0.14	3922.43
MW - 2	09/15/11	3974.62	52.27	53.17	0.90	3922.22
MW - 2	09/22/11	3974.62	52.08	52.72	0.64	3922.44
MW - 2	10/06/11	3974.62	52.30	52.96	0.66	3922.22

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	10/13/11	3974.62	52.42	53.77	1.35	3922.00
MW - 2	10/26/11	3974.62	52.27	53.48	1.21	3922.17
MW - 2	11/22/11	3974.62	52.32	53.20	0.88	3922.17
MW - 2	12/02/11	3974.62	52.08	52.74	0.66	3922.44
MW - 2	12/29/11	3974.62	52.07	52.70	0.63	3922.46
MW - 2	01/26/12	3974.62	52.24	53.48	1.24	3922.19
MW - 2	01/31/12	3974.62	52.33	53.92	1.59	3922.05
MW - 2	02/15/12	3974.62	52.10	52.68	0.58	3922.43
MW - 2	02/28/12	3974.62	52.09	52.83	0.74	3922.42
MW - 2	03/20/12	3974.62	52.35	54.08	1.73	3922.01
MW - 2	03/27/12	3974.62	52.14	52.95	0.81	3922.36
MW - 2	04/10/12	3974.62	52.39	53.30	0.91	3922.09
MW - 2	04/19/12	3974.62	52.14	53.02	0.88	3922.35
MW - 2	04/26/12	3974.62	52.09	52.63	0.54	3922.45
MW - 2	05/08/12	3974.62	52.09	52.63	0.54	3922.45
MW - 2	05/15/12	3974.62	52.09	52.73	0.64	3922.43
MW - 2	05/17/12	3974.62	52.08	52.74	0.66	3922.44
MW - 2	06/05/12	3974.62	52.12	53.02	0.90	3922.37
MW - 2	06/21/12	3974.62	52.12	53.14	1.02	3922.35
MW - 2	06/28/12	3974.62	52.11	53.19	1.08	3922.35
MW - 2	07/17/12	3974.62	52.12	52.93	0.81	3922.38
MW - 2	08/01/12	3974.62	52.20	52.85	0.65	3922.32
MW - 2	10/02/12	3974.62	52.22	53.20	0.98	3922.25
MW - 2	10/09/12	3974.62	52.14	53.72	1.58	3922.24
MW - 2	10/16/12	3974.62	52.19	53.12	0.93	3922.29
MW - 2	10/25/12	3974.62	52.18	53.24	1.06	3922.28
MW - 2	10/30/12	3974.62	52.18	53.24	1.06	3922.28
MW - 2	11/29/12	3974.62	52.22	53.76	1.54	3922.17
MW - 2	12/14/12	3974.62	52.19	53.43	1.24	3922.24
MW - 2	02/11/13	3974.62	52.19	53.15	0.96	3922.29
MW - 2	04/11/13	3974.62	52.39	53.90	1.51	3922.00
MW - 2	04/15/13	3974.62	52.62	54.49	1.87	3921.72
MW - 2	04/22/13	3974.62	52.21	53.03	0.82	3922.29
MW - 2	05/06/13	3974.62	52.22	53.12	0.90	3922.27
MW - 2	05/09/13	3974.62	52.22	53.16	0.94	3922.26
MW - 2	05/20/13	3974.62	52.22	53.20	0.98	3922.25
MW - 2	05/24/13	3974.62	52.34	53.68	1.34	3922.08
MW - 2	05/29/13	3974.62	52.21	53.18	0.97	3922.26
MW - 2	05/31/13	3974.62	52.31	53.61	1.30	3922.12
MW - 2	06/07/13	3974.62	52.64	54.51	1.87	3921.70
MW - 2	06/12/13	3974.62	52.56	54.57	2.01	3921.76
MW - 2	06/14/13	3974.62	52.63	53.92	1.29	3921.80
MW - 2	06/19/13	3974.62	52.63	54.46	1.83	3921.72

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	06/21/13	3974.62	52.74	54.13	1.39	3921.67
MW - 2	06/25/13	3974.62	52.22	53.15	0.93	3922.26
MW - 2	06/26/13	3974.62	52.40	53.72	1.32	3922.02
MW - 2	07/03/13	3974.62	52.62	54.30	1.68	3921.75
MW - 2	07/09/13	3974.62	52.73	54.09	1.36	3921.69
MW - 2	07/11/13	3974.62	52.71	53.98	1.27	3921.72
MW - 2	07/24/13	3974.62	52.54	53.77	1.23	3921.90
MW - 2	07/26/13	3974.62	52.45	54.29	1.84	3921.89
MW - 2	07/31/13	3974.62	52.20	53.86	1.66	3922.17
MW - 2	08/02/13	3974.62	52.48	54.04	1.56	3921.91
MW - 2	08/06/13	3974.62	52.23	53.82	1.59	3922.15
MW - 2	08/14/13	3974.62	52.23	54.04	1.81	3922.12
MW - 2	08/21/13	3974.62	52.48	54.61	2.13	3921.82
MW - 2	08/26/13	3974.62	52.50	54.25	1.75	3921.86
MW - 2	09/06/13	3974.62	52.41	53.65	1.24	3922.02
MW - 2	08/30/13	3974.62	52.25	53.72	1.47	3922.15
MW - 2	09/13/13	3974.62	52.35	53.37	1.02	3922.12
MW - 2	09/27/13	3974.62	52.35	54.18	1.83	3922.00
MW - 2	09/30/13	3974.62	52.33	53.79	1.46	3922.07
MW - 2	10/02/13	3974.62	52.55	54.25	1.70	3921.82
MW - 2	10/03/13	3974.62	52.48	53.27	0.79	3922.02
MW - 2	10/11/13	3974.62	52.29	53.32	1.03	3922.18
MW - 2	10/17/13	3974.62	52.31	53.39	1.08	3922.15
MW - 2	10/22/13	3974.62	52.29	53.40	1.11	3922.16
MW - 2	10/24/13	3974.62	52.43	53.60	1.17	3922.01
MW - 2	10/30/13	3974.62	52.37	53.76	1.39	3922.04
MW - 2	11/01/13	3974.62	52.33	53.33	1.00	3922.14
MW - 2	11/04/13	3974.62	52.32	53.41	1.09	3922.14
MW - 2	11/08/13	3974.62	52.67	54.50	1.83	3921.68
MW - 2	11/13/13	3974.62	52.30	53.45	1.15	3922.15
MW - 2	11/15/13	3974.62	52.40	53.36	0.96	3922.08
MW - 2	11/18/13	3974.62	52.31	53.32	1.01	3922.16
MW - 2	12/12/13	3974.62	52.30	53.39	1.09	3922.16
MW - 2	12/16/13	3974.62	52.31	53.56	1.25	3922.12
MW - 2	12/18/13	3974.62	52.34	53.52	1.18	3922.10
MW - 2	12/23/13	3974.62	52.36	53.83	1.47	3922.04
MW - 2	12/30/13	3974.62	52.32	53.67	1.35	3922.10
MW - 2	01/01/14	3974.62	52.32	53.63	1.31	3922.10
MW - 2	01/06/14	3974.62	52.29	53.53	1.24	3922.14
MW - 2	01/15/14	3974.62	52.36	54.27	1.91	3921.97
MW - 2	01/17/14	3974.62	52.29	53.57	1.28	3922.14
MW - 2	01/20/14	3974.62	52.53	54.20	1.67	3921.84
MW - 2	01/22/14	3974.62	52.66	54.30	1.64	3921.71

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	01/29/14	3974.62	52.32	53.59	1.27	3922.11
MW - 2	02/04/14	3974.62	52.58	53.67	1.09	3921.88
MW - 2	02/13/14	3974.62	52.29	53.68	1.39	3922.12
MW - 2	02/21/14	3974.62	52.58	55.18	2.60	3921.65
MW - 2	02/26/14	3974.62	52.57	55.13	2.56	3921.67
MW - 2	03/12/14	3974.62	52.33	54.38	2.05	3921.98
MW - 2	03/14/14	3974.62	52.28	54.35	2.07	3922.03
MW - 2	03/17/14	3974.62	52.40	54.36	1.96	3921.93
MW - 2	03/24/14	3974.62	51.80	53.59	1.79	3922.55
MW - 2	03/26/14	3974.62	51.82	53.73	1.91	3922.51
MW - 2	04/09/14	3974.62	52.28	53.47	1.19	3922.16
MW - 2	04/18/14	3974.62	52.29	53.53	1.24	3922.14
MW - 2	04/21/14	3974.62	52.33	53.37	1.04	3922.13
MW - 2	04/28/14	3974.62	52.30	53.54	1.24	3922.13
MW - 2	05/09/14	3974.62	52.38	53.91	1.53	3922.01
MW - 2	05/12/14	3974.62	52.55	54.06	1.51	3921.84
MW - 2	05/19/14	3974.62	52.36	54.14	1.78	3921.99
MW - 2	05/28/14	3974.62	52.37	54.21	1.84	3921.97
MW - 2	06/04/14	3974.62	52.29	54.19	1.90	3922.05
MW - 2	06/13/14	3974.62	52.36	54.25	1.89	3921.98
MW - 2	06/16/14	3974.62	52.35	53.39	1.04	3922.11
MW - 2	07/02/14	3974.62	52.36	53.67	1.31	3922.06
MW - 2	07/07/14	3974.62	52.34	53.70	1.36	3922.08
MW - 2	07/18/14	3974.62	52.47	54.42	1.95	3921.86
MW - 2	07/30/14	3974.62	52.33	53.93	1.60	3922.05
MW - 2	08/11/14	3974.62	52.34	54.03	1.69	3922.03
MW - 2	08/22/14	3974.62	52.39	55.65	3.26	3921.74
MW - 2	08/23/14	3974.62	52.39	55.65	3.26	3921.74
MW - 2	09/10/14	3974.62	52.41	54.08	1.67	3921.96
MW - 2	09/23/14	3974.62	52.41	54.13	1.72	3921.95
MW - 2	09/25/14	3974.62	52.78	54.25	1.47	3921.62
MW - 2	10/03/14	3974.62	52.52	54.19	1.67	3921.85
MW - 2	10/15/14	3974.62	52.41	54.23	1.82	3921.94
MW - 2	10/17/14	3974.62	52.59	54.11	1.52	3921.80
MW - 2	10/24/14	3974.62	52.67	53.99	1.32	3921.75
MW - 2	10/27/14	3974.62	52.51	53.94	1.43	3921.90
MW - 2	10/31/14	3974.62	52.36	52.85	0.49	3922.19
MW - 2	11/03/14	3974.62	52.60	54.71	2.11	3921.70
MW - 2	11/10/14	3974.62	52.62	54.10	1.48	3921.78
MW - 2	11/14/14	3974.62	52.44	53.53	1.09	3922.02
MW - 2	11/17/14	3974.62	52.45	53.47	1.02	3922.02
MW - 2	11/18/14	3974.62	52.45	53.47	1.02	3922.02
MW - 2	11/21/14	3974.62	52.44	53.55	1.11	3922.01

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	12/03/14	3974.62	52.37	53.81	1.44	3922.03
MW - 2	12/05/14	3974.62	52.46	53.46	1.00	3922.01
MW - 2	12/12/14	3974.62	52.47	53.59	1.12	3921.98
MW - 2	12/15/14	3974.62	52.47	53.59	1.12	3921.98
MW - 2	12/19/14	3974.62	52.43	53.56	1.13	3922.02
MW - 2	12/22/14	3974.62	52.41	53.49	1.08	3922.05
MW - 2	01/05/15	3974.62	52.38	53.46	1.08	3922.08
MW - 2	01/09/15	3974.62	52.38	53.72	1.34	3922.04
MW - 2	01/14/15	3974.62	53.37	53.74	0.37	3921.19
MW - 2	01/21/15	3974.62	52.39	53.41	1.02	3922.08
MW - 2	02/18/15	3974.62	52.64	54.21	1.57	3921.74
MW - 2	02/19/15	3974.62	52.46	53.29	0.83	3922.04
MW - 2	03/09/15	3974.62	52.38	53.40	1.02	3922.09
MW - 2	03/11/15	3974.62	52.36	53.66	1.30	3922.07
MW - 2	03/18/15	3974.62	52.35	53.66	1.31	3922.07
MW - 2	03/31/15	3974.62	52.41	53.43	1.02	3922.06
MW - 2	04/09/15	3974.62	52.35	53.58	1.23	3922.09
MW - 2	04/15/15	3974.62	52.34	53.61	1.27	3922.09
MW - 2	04/22/15	3974.62	52.34	53.63	1.29	3922.09
MW - 2	05/12/15	3974.62	52.34	53.65	1.31	3922.08
MW - 2	05/26/15	3974.62	52.40	53.38	0.98	3922.07
MW - 2	06/01/15	3974.62	52.37	53.70	1.33	3922.05
MW - 2	06/04/15	3974.62	52.35	53.61	1.26	3922.08
MW - 2	06/22/15	3974.62	52.46	54.41	1.95	3921.87
MW - 2	06/26/15	3974.62	52.75	54.40	1.65	3921.62
MW - 2	07/22/15	3974.62	52.58	54.16	1.58	3921.80
MW - 2	07/27/15	3974.62	52.66	54.03	1.37	3921.75
MW - 2	08/18/15	3974.62	52.24	53.73	1.49	3922.16
MW - 2	09/09/15	3974.62	52.00	53.85	1.85	3922.34
MW - 2	09/30/15	3974.62	52.70	54.95	2.25	3921.58
MW - 2	10/08/15	3974.62	52.54	54.57	2.03	3921.78
MW - 2	10/16/15	3974.62	52.62	55.10	2.48	3921.63
MW - 2	10/21/15	3974.62	52.45	53.80	1.35	3921.97
MW - 2	11/18/15	3974.62	52.58	54.70	2.12	3921.72
MW - 2	11/23/15	3974.62	53.01	53.31	0.30	3921.57
MW - 2	12/04/15	3974.62	52.40	53.85	1.45	3922.00
MW - 2	12/09/15	3974.62	52.71	54.88	2.17	3921.58
MW - 2	01/12/16	3974.62	52.42	54.00	1.58	3921.96
MW - 2	01/22/16	3974.62	52.40	54.00	1.60	3921.98
MW - 2	01/25/16	3974.62	52.49	53.85	1.36	3921.93
MW - 2	02/12/16	3974.62	52.54	54.24	1.70	3921.83
MW - 2	02/17/16	3974.62	52.60	54.39	1.79	3921.75
MW - 2	02/24/16	3974.62	52.43	53.66	1.23	3922.01

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	03/09/16	3974.62	52.52	54.85	2.33	3921.75
MW - 2	03/30/16	3974.62	52.61	54.62	2.01	3921.71
MW - 2	04/13/16	3974.62	52.54	54.49	1.95	3921.79
MW - 2	04/27/16	3974.62	52.55	54.73	2.18	3921.74
MW - 2	05/11/16	3974.62	52.53	53.87	1.34	3921.89
MW - 2	06/03/16	3974.62	52.55	54.55	2.00	3921.77
MW - 2	06/13/16	3974.62	52.43	53.73	1.30	3922.00
MW - 2	07/01/16	3974.62	52.65	54.34	1.69	3921.72
MW - 2	07/08/16	3974.62	52.45	54.12	1.67	3921.92
MW - 2	07/12/16	3974.62	52.46	54.00	1.54	3921.93
MW - 2	07/18/16	3974.62	52.54	53.88	1.34	3921.88
MW - 2	08/02/16	3974.62	52.49	54.00	1.51	3921.90
MW - 2	08/12/16	3974.62	52.50	54.27	1.77	3921.85
MW - 2	08/17/16	3974.62	52.44	54.25	1.81	3921.91
MW - 2	09/21/16	3974.62	52.43	54.07	1.64	3921.94
MW - 2	10/21/16	3974.62	52.35	54.20	1.85	3921.99
MW - 2	10/24/16	3974.62	52.53	54.36	1.83	3921.82
MW - 2	10/26/16	3974.62	52.99	53.02	0.03	3921.63
MW - 2	10/31/16	3974.62	52.48	54.30	1.82	3921.87
MW - 2	11/21/16	3974.62	52.64	54.43	1.79	3921.71
MW - 2	11/28/16	3974.62	52.40	53.92	1.52	3921.99
MW - 2	12/07/16	3974.62	52.53	54.51	1.98	3921.79
MW - 2	12/14/16	3974.62	52.71	54.33	1.62	3921.67
MW - 2	12/21/16	3974.62	52.42	53.82	1.40	3921.99
MW - 2	01/04/17	3974.62	52.40	53.96	1.56	3921.99
MW - 2	01/12/17	3974.62	52.41	53.98	1.57	3921.97
MW - 2	01/26/17	3974.62	52.52	54.56	2.04	3921.79
MW - 2	02/07/17	3974.62	52.40	54.17	1.77	3921.95
MW - 2	02/21/17	3974.62	52.40	53.94	1.54	3921.99
MW - 2	02/23/17	3974.62	52.38	53.91	1.53	3922.01
MW - 2	03/08/17	3974.62	52.55	54.41	1.86	3921.79
MW - 2	04/07/17	3974.62	52.38	53.90	1.52	3922.01
MW - 2	04/18/17	3974.62	52.39	53.90	1.51	3922.00
MW - 2	05/10/17	3974.62	52.48	54.39	1.91	3921.85
MW - 2	05/24/17	3974.62	52.38	52.87	0.49	3922.17
MW - 2	06/02/17	3974.62	52.36	53.99	1.63	3922.02
MW - 2	07/12/17	3974.62	52.53	54.94	2.41	3921.73
MW - 2	07/19/17	3974.62	52.55	54.48	1.93	3921.78
MW - 2	07/27/17	3974.62	52.38	54.29	1.91	3921.95
MW - 2	08/11/17	3974.62	52.51	54.89	2.38	3921.75
MW - 2	08/24/17	3974.62	52.43	54.17	1.74	3921.93
MW - 2	09/05/17	3974.62	52.45	54.22	1.77	3921.90
MW - 2	10/18/17	3974.62	52.55	54.53	1.98	3921.77

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	10/25/17	3974.62	52.51	54.11	1.60	3921.87
MW - 2	11/01/17	3974.62	52.50	54.13	1.63	3921.88
MW - 2	11/08/17	3974.62	52.48	53.30	0.82	3922.02
MW - 2	11/28/17	3974.62	52.46	53.40	0.94	3922.02
MW - 2	12/19/17	3974.62	52.45	54.29	1.84	3921.89
MW - 2	01/16/18	3974.62	52.38	54.28	1.90	3921.96
MW - 2	01/30/18	3974.62	52.45	54.18	1.73	3921.91
MW - 2	02/06/18	3974.62	52.48	54.34	1.86	3921.86
MW - 2	02/13/18	3974.62	52.50	54.36	1.86	3921.84
MW - 2	02/26/18	3974.62	52.47	54.12	1.65	3921.90
MW - 2	04/03/18	3974.62	52.48	54.09	1.61	3921.90
MW - 2	04/17/18	3974.62	52.46	54.12	1.66	3921.91
MW - 2	05/07/18	3974.62	52.46	54.64	2.18	3921.83
MW - 2	06/21/18	3974.62	52.49	54.37	1.88	3921.85
MW - 2	06/26/18	3974.62	52.48	54.35	1.87	3921.86
MW - 2	07/12/18	3974.62	52.51	54.36	1.85	3921.83
MW - 2	07/17/18	3974.62	52.51	54.37	1.86	3921.83
MW - 2	08/01/18	3974.62	52.53	54.39	1.86	3921.81
MW - 2	08/09/18	3974.62	52.52	54.34	1.82	3921.83
MW - 2	08/23/18	3974.62	52.54	54.43	1.89	3921.80
MW - 2	08/30/18	3974.62	52.57	53.51	0.94	3921.91
MW - 2	08/31/18	3974.62	52.59	54.21	1.62	3921.79
MW - 2	09/11/18	3974.62	52.63	53.91	1.28	3921.80
MW - 2	09/19/18	3974.62	52.57	53.91	1.34	3921.85
MW - 2	10/16/18	3974.62	52.57	53.96	1.39	3921.84
MW - 2	11/01/18	3974.62	52.56	53.81	1.25	3921.87
MW - 2	11/05/18	3974.62	52.52	54.16	1.64	3921.85
MW - 2	11/14/18	3974.62	52.52	53.79	1.27	3921.91
MW - 2	12/04/18	3974.62	52.53	54.58	2.05	3921.78
MW - 2	12/06/18	3974.62	52.51	54.56	2.05	3921.80
MW - 2	12/18/18	3974.62	52.65	54.02	1.37	3921.76
MW - 2	12/20/18	3974.62	52.66	54.52	1.86	3921.68
MW - 2	12/26/18	3974.62	52.62	53.99	1.37	3921.79
MW - 2	01/08/19	3974.62	52.62	54.01	1.39	3921.79
MW - 2	01/10/19	3974.62	52.61	53.97	1.36	3921.81
MW - 2	01/15/19	3974.62	52.66	53.92	1.26	3921.77
MW - 2	01/24/19	3974.62	52.88	53.91	1.03	3921.59
MW - 2	02/11/19	3974.62	52.80	53.99	1.19	3921.64
MW - 2	02/18/19	3974.62	52.48	53.97	1.49	3921.92
MW - 2	04/16/19	3974.62	52.74	54.01	1.27	3921.69
MW - 2	04/23/19	3974.62	52.88	54.21	1.33	3921.54
MW - 2	04/30/19	3974.62	52.55	54.39	1.84	3921.79
MW - 2	05/07/19	3974.62	52.72	54.10	1.38	3921.69

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	05/09/19	3974.62	52.78	54.09	1.31	3921.64
MW - 2	05/14/19	3974.62	52.67	54.01	1.34	3921.75
MW - 2	06/04/19	3974.62	52.80	54.01	1.21	3921.64
MW - 2	06/11/19	3974.62	52.82	53.98	1.16	3921.63
MW - 2	06/13/19	3974.62	52.77	53.99	1.22	3921.67
MW - 2	06/17/19	3974.62	52.58	53.76	1.18	3921.86
MW - 2	07/01/19	3974.62	52.51	53.97	1.46	3921.89
MW - 2	07/02/19	3974.62	52.56	53.80	1.24	3921.87
MW - 2	08/19/19	3974.62	52.59	53.24	0.65	3921.93
MW - 2	08/29/19	3974.62	52.58	53.29	0.71	3921.93
MW - 2	09/03/19	3974.62	52.51	53.26	0.75	3922.00
MW - 2	09/10/19	3974.62	52.49	53.24	0.75	3922.02
MW - 2	10/01/19	3974.62	52.54	53.22	0.68	3921.98
MW - 2	10/22/19	3974.62	52.56	53.31	0.75	3921.95
MW - 2	11/11/19	3974.62	52.65	53.27	0.62	3921.88
MW - 2	11/15/19	3974.62	52.60	55.24	2.64	3921.62
MW - 3	03/02/00	3974.60	52.71	55.03	2.32	3921.54
MW - 3	04/25/00	3974.60	52.61	55.09	2.48	3921.62
MW - 3	09/06/00	3974.60	52.54	55.66	3.12	3921.59
MW - 3	11/28/00	3974.60	52.64	55.57	2.93	3921.52
MW - 3	02/21/01	3974.60	52.94	53.50	0.56	3921.58
MW - 3	05/31/01	3974.60	52.51	55.71	3.20	3921.61
MW - 3	08/23/01	3974.60	52.46	55.80	3.34	3921.64
MW - 3	11/21/01	3974.60	52.46	55.81	3.35	3921.64
MW - 3	02/13/02	3974.60	52.51	55.78	3.27	3921.60
MW - 3	06/12/02	3974.60	52.47	55.17	2.70	3921.73
MW - 3	08/26/02	3974.60	55.74	52.49	-3.25	3919.35
MW - 3	11/08/02	3974.60	53.15	53.21	0.06	3921.44
MW - 3	11/21/02	3974.60	53.15	53.21	0.06	3921.44
MW - 3	12/27/02	3974.60	52.64	55.24	2.60	3921.57
MW - 3	01/06/03	3974.60	52.87	54.47	1.60	3921.49
MW - 3	01/08/03	3974.60	52.77	54.69	1.92	3921.54
MW - 3	01/10/03	3974.60	53.04	53.46	0.42	3921.50
MW - 3	01/13/03	3974.60	53.04	53.41	0.37	3921.50
MW - 3	02/05/03	3974.60	53.04	53.41	0.37	3921.50
MW - 3	02/26/03	3974.60	52.81	54.24	1.43	3921.58
MW - 3	03/04/03	3974.60	52.84	54.25	1.41	3921.55
MW - 3	03/12/03	3974.60	52.65	55.24	2.59	3921.56
MW - 3	03/18/03	3974.60	52.72	55.30	2.58	3921.49
MW - 3	03/25/03	3974.60	52.64	55.30	2.66	3921.56
MW - 3	03/31/03	3974.60	52.95	53.74	0.79	3921.53
MW - 3	04/09/03	3974.60	52.41	52.98	0.57	3922.10

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 3	04/14/03	3974.60	52.68	52.91	0.23	3921.89
MW - 3	05/07/03	3974.60	52.56	55.23	2.67	3921.64
MW - 3	05/08/03	3974.60	52.64	55.30	2.66	3921.56
MW - 3	05/13/03	3974.60	52.66	55.36	2.70	3921.54
MW - 3	05/21/03	3974.60	52.65	55.40	2.75	3921.54
MW - 3	05/28/03	3974.60	53.03	53.87	0.84	3921.44
MW - 3	06/03/03	3974.60	52.72	55.12	2.40	3921.52
MW - 3	06/09/03	3974.60	52.65	55.50	2.85	3921.52
MW - 3	07/01/03	3974.60	52.68	55.81	3.13	3921.45
MW - 3	07/08/03	3974.60	52.68	55.84	3.16	3921.45
MW - 3	07/29/03	3974.60	52.53	55.71	3.18	3921.59
MW - 3	08/04/03	3974.60	52.70	55.91	3.21	3921.42
MW - 3	08/18/03	3974.60	52.81	56.01	3.20	3921.31
MW - 3	08/25/03	3974.60	53.83	56.06	2.23	3920.44
MW - 3	10/01/03	3974.60	52.60	54.81	2.21	3921.67
MW - 3	10/06/03	3974.60	62.62	55.73	-6.89	3913.01
MW - 3	10/08/03	3974.60	52.90	56.09	3.19	3921.22
MW - 3	10/15/03	3974.60	52.89	56.04	3.15	3921.24
MW - 3	11/12/03	3974.60	53.21	56.72	3.51	3920.86
MW - 3	11/19/03	3974.60	52.99	56.08	3.09	3921.15
MW - 3	12/01/03	3974.60	53.05	56.08	3.03	3921.10
MW - 3	12/10/03	3974.60	52.72	55.74	3.02	3921.43
MW - 3	02/05/04	3974.60	53.04	56.11	3.07	3921.10
MW - 3	02/17/04	3974.60	52.80	55.64	2.84	3921.37
MW - 3	02/25/04	3974.60	53.03	56.08	3.05	3921.11
MW - 3	03/09/04	3974.60	52.83	55.86	3.03	3921.32
MW - 3	03/16/04	3974.60	52.79	55.81	3.02	3921.36
MW - 3	03/22/04	3974.60	52.85	54.16	1.31	3921.55
MW - 3	04/07/04	3974.60	52.87	53.18	0.31	3921.68
MW - 3	04/12/04	3974.60	52.97	55.02	2.05	3921.32
MW - 3	04/19/04	3974.60	52.80	53.06	0.26	3921.76
MW - 3	05/05/04	3974.60	52.87	55.57	2.70	3921.33
MW - 3	05/11/04	3974.60	53.02	55.68	2.66	3921.18
MW - 3	06/07/04	3974.60	52.62	55.29	2.67	3921.58
MW - 3	06/15/04	3974.60	52.65	55.27	2.62	3921.56
MW - 3	06/20/04	3974.60	52.65	55.27	2.62	3921.56
MW - 3	06/21/04	3974.60	52.61	55.32	2.71	3921.58
MW - 3	06/28/04	3974.60	52.62	55.34	2.72	3921.57
MW - 3	07/08/04	3974.60	52.60	55.31	2.71	3921.59
MW - 3	07/12/04	3974.60	52.57	55.33	2.76	3921.62
MW - 3	08/06/04	3974.60	52.69	55.36	2.67	3921.51
MW - 3	08/12/04	3974.60	52.68	55.37	2.69	3921.52
MW - 3	08/17/04	3974.60	52.63	55.30	2.67	3921.57

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 3	08/26/04	3974.60	52.63	55.79	3.16	3921.50
MW - 3	09/01/04	3974.60	52.74	55.15	2.41	3921.50
MW - 3	09/03/04	3974.60	52.83	55.22	2.39	3921.41
MW - 3	09/08/04	3974.60	52.78	55.42	2.64	3921.42
MW - 3	09/14/04	3974.60	52.76	55.05	2.29	3921.50
MW - 3	09/22/04	3974.60	52.86	55.05	2.19	3921.41
MW - 3	10/01/04	3974.60	52.73	55.30	2.57	3921.48
MW - 3	10/08/04	3974.60	52.78	55.16	2.38	3921.46
MW - 3	10/15/04	3974.60	52.65	54.80	2.15	3921.63
MW - 3	10/22/04	3974.60	52.66	55.20	2.54	3921.56
MW - 3	11/12/04	3974.60	53.11	53.44	0.33	3921.44
MW - 3	11/26/04	3974.60	53.10	53.60	0.50	3921.43
MW - 3	12/02/04	3974.60	53.25	53.50	0.25	3921.31
MW - 3	12/06/04	3974.60	53.09	53.59	0.50	3921.44
MW - 3	12/13/04	3974.60	53.12	53.60	0.48	3921.41
MW - 3	12/15/04	3974.60	53.12	53.60	0.48	3921.41
MW - 3	12/27/04	3974.60	52.87	54.20	1.33	3921.53
MW - 3	01/10/05	3974.60	52.72	54.54	1.82	3921.61
MW - 3	01/18/05	3974.60	52.70	54.70	2.00	3921.60
MW - 3	01/18/05	3974.60	52.81	53.85	1.04	3921.63
MW - 3	01/25/05	3974.60	52.65	54.58	1.93	3921.66
MW - 3	01/27/05	3974.60	52.70	54.40	1.70	3921.65
MW - 3	02/01/05	3974.60	52.66	54.47	1.81	3921.67
MW - 3	02/07/05	3974.60	52.60	54.49	1.89	3921.72
MW - 3	02/11/05	3974.60	52.63	54.38	1.75	3921.71
MW - 3	02/15/05	3974.60	52.64	54.36	1.72	3921.70
MW - 3	02/22/05	3974.60	52.50	54.89	2.39	3921.74
MW - 3	02/24/05	3974.60	52.51	54.85	2.34	3921.74
MW - 3	03/03/05	3974.60	52.49	54.90	2.41	3921.75
MW - 3	03/09/05	3974.60	52.49	54.92	2.43	3921.75
MW - 3	03/22/05	3974.60	52.52	54.84	2.32	3921.73
MW - 3	03/24/05	3974.60	52.52	54.84	2.32	3921.73
MW - 3	03/31/05	3974.60	DAMAGED		-	-
MW - 3	06/22/05	3974.60	52.45	54.60	2.15	3921.83
MW - 3	07/21/05	3974.60	52.38	54.60	2.22	3921.89
MW - 3	08/03/05	3974.60	52.40	54.52	2.12	3921.88
MW - 3	08/12/05	3974.60	52.39	53.43	1.04	3922.05
MW - 3	08/15/05	3974.60	52.44	54.27	1.83	3921.89
MW - 3	08/22/05	3974.60	52.43	54.34	1.91	3921.88
MW - 3	08/30/05	3974.60	52.39	54.38	1.99	3921.91
MW - 3	09/07/05	3974.60	52.40	54.39	1.99	3921.90
MW - 3	09/14/05	3974.60	52.43	54.30	1.87	3921.89
MW - 3	09/20/05	3974.60	52.40	54.20	1.80	3921.93

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 3	09/21/05	3974.60	52.43	54.33	1.90	3921.89
MW - 3	09/28/05	3974.60	52.39	54.36	1.97	3921.91
MW - 3	10/06/05	3974.60	52.30	54.68	2.38	3921.94
MW - 3	10/13/05	3974.60	52.30	54.66	2.36	3921.95
MW - 3	10/20/05	3974.60	52.31	54.60	2.29	3921.95
MW - 3	10/26/05	3974.60	52.32	54.60	2.28	3921.94
MW - 3	11/03/05	3974.60	52.28	54.59	2.31	3921.97
MW - 3	11/10/05	3974.60	52.27	54.62	2.35	3921.98
MW - 3	11/16/05	3974.60	52.31	54.58	2.27	3921.95
MW - 3	11/23/05	3974.60	52.36	54.50	2.14	3921.92
MW - 3	11/28/05	3974.60	52.25	54.60	2.35	3922.00
MW - 3	12/05/05	3974.60	52.30	54.49	2.19	3921.97
MW - 3	12/12/05	3974.60	52.29	54.51	2.22	3921.98
MW - 3	12/16/05	3974.60	52.89	53.78	0.89	3921.58
MW - 3	12/19/05	3974.60	52.36	54.53	2.17	3921.91
MW - 3	12/29/05	3974.60	52.28	54.60	2.32	3921.97
MW - 3	01/04/06	3974.60	52.33	54.58	2.25	3921.93
MW - 3	01/10/06	3974.60	52.29	54.58	2.29	3921.97
MW - 3	01/17/06	3974.60	52.28	54.52	2.24	3921.98
MW - 3	01/26/06	3974.60	52.27	54.52	2.25	3921.99
MW - 3	01/31/06	3974.60	52.28	54.50	2.22	3921.99
MW - 3	02/07/06	3974.60	52.27	54.46	2.19	3922.00
MW - 3	02/09/06	3974.60	52.36	54.15	1.79	3921.97
MW - 3	02/13/06	3974.60	52.25	54.49	2.24	3922.01
MW - 3	02/22/06	3974.60	52.25	54.53	2.28	3922.01
MW - 3	02/28/06	3974.60	52.27	54.50	2.23	3922.00
MW - 3	03/07/06	3974.60	52.28	54.46	2.18	3921.99
MW - 3	03/15/06	3974.60	52.25	54.44	2.19	3922.02
MW - 3	03/20/06	3974.60	52.24	54.37	2.13	3922.04
MW - 3	03/22/06	3974.60	52.71	52.78	0.07	3921.88
MW - 3	03/29/06	3974.60	52.28	54.11	1.83	3922.05
MW - 3	04/11/06	3974.60	52.23	54.29	2.06	3922.06
MW - 3	04/18/06	3974.60	52.23	54.32	2.09	3922.06
MW - 3	04/25/06	3974.60	52.32	54.12	1.80	3922.01
MW - 3	05/02/06	3974.60	52.23	54.43	2.20	3922.04
MW - 3	05/09/06	3974.60	52.22	54.30	2.08	3922.07
MW - 3	05/16/06	3974.60	52.22	54.29	2.07	3922.07
MW - 3	05/23/06	3974.60	52.23	54.30	2.07	3922.06
MW - 3	05/31/06	3974.60	52.23	54.31	2.08	3922.06
MW - 3	06/06/06	3974.60	52.22	54.21	1.99	3922.08
MW - 3	06/13/06	3974.60	52.21	54.24	2.03	3922.09
MW - 3	06/20/06	3974.60	52.21	54.23	2.02	3922.09
MW - 3	06/21/06	3974.60	52.34	53.66	1.32	3922.06

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 3	07/06/06	3974.60	52.22	54.25	2.03	3922.08
MW - 3	07/12/06	3974.60	52.29	53.96	1.67	3922.06
MW - 3	07/20/06	3974.60	52.25	53.99	1.74	3922.09
MW - 3	07/25/06	3974.60	52.29	53.88	1.59	3922.07
MW - 3	08/01/06	3974.60	52.29	53.90	1.61	3922.07
MW - 3	08/16/06	3974.60	52.32	53.78	1.46	3922.06
MW - 3	08/23/06	3974.60	53.33	53.75	0.42	3921.21
MW - 3	08/28/06	3974.60	52.32	53.79	1.47	3922.06
MW - 3	09/12/06	3974.60	52.32	53.77	1.45	3922.06
MW - 3	09/22/06	3974.60	52.34	54.01	1.67	3922.01
MW - 3	10/06/06	3974.60	WELL OBSTRUCTED		-	-
MW - 3	10/10/06	3974.60	WELL OBSTRUCTED		-	-
MW - 3	12/04/06	3974.60	WELL OBSTRUCTED		-	-
MW - 3	12/15/06	3974.60	WELL OBSTRUCTED		-	-
MW - 3	01/05/07	3974.60	WELL OBSTRUCTED		-	-
MW - 3	02/09/07	3974.60	INSUFFICIENT		-	-
MW - 3	03/14/07	3974.60	52.20	53.73	1.53	3922.17
MW - 3	03/26/07	3974.60	52.16	53.99	1.83	3922.17
MW - 3	04/03/07	3974.60	52.14	54.06	1.92	3922.17
MW - 3	04/09/07	3974.60	52.13	54.03	1.90	3922.19
MW - 3	04/26/07	3974.60	52.13	54.06	1.93	3922.18
MW - 3	04/30/07	3974.60	52.16	53.96	1.80	3922.17
MW - 3	05/11/07	3974.60	52.13	54.00	1.87	3922.19
MW - 3	05/16/07	3974.60	52.16	53.90	1.74	3922.18
MW - 3	05/22/07	3974.60	52.14	53.93	1.79	3922.19
MW - 3	05/29/07	3974.60	52.13	53.94	1.81	3922.20
MW - 3	06/01/07	3974.60	52.12	53.96	1.84	3922.20
MW - 3	06/08/07	3974.60	52.13	53.95	1.82	3922.20
MW - 3	06/11/07	3974.60	52.18	53.80	1.62	3922.18
MW - 3	06/20/07	3974.60	52.13	53.90	1.77	3922.20
MW - 3	07/10/07	3974.60	52.12	53.90	1.78	3922.21
MW - 3	07/20/07	3974.60	52.12	53.90	1.78	3922.21
MW - 3	07/25/07	3974.60	52.12	53.84	1.72	3922.22
MW - 3	08/01/07	3974.60	52.11	53.81	1.70	3922.24
MW - 3	08/10/07	3974.60	52.12	53.86	1.74	3922.22
MW - 3	08/15/07	3974.60	52.12	53.77	1.65	3922.23
MW - 3	08/30/07	3974.60	52.12	53.83	1.71	3922.22
MW - 3	08/31/07	3974.60	52.12	53.83	1.71	3922.22
MW - 3	09/10/07	3974.60	52.11	53.81	1.70	3922.24
MW - 3	09/19/07	3974.60	52.11	53.79	1.68	3922.24
MW - 3	10/01/07	3974.60	52.22	53.36	1.14	3922.21
MW - 3	10/19/07	3974.60	52.14	53.59	1.45	3922.24
MW - 3	11/12/07	3974.60	52.15	53.52	1.37	3922.24

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 3	12/13/07	3974.60	52.08	53.72	1.64	3922.27
MW - 3	03/07/08	3974.60	52.06	53.62	1.56	3922.31
MW - 3	05/29/08	3974.60	52.04	53.41	1.37	3922.35
MW - 3	06/02/08	3974.60	52.04	53.35	1.31	3922.36
MW - 3	06/03/08	3974.60	52.04	53.35	1.31	3922.36
MW - 3	08/02/08	3974.60	52.05	53.45	1.40	3922.34
MW - 3	09/03/08	3974.60	52.01	53.42	1.41	3922.38
MW - 3	09/19/08	3974.60	52.13	53.38	1.25	3922.28
MW - 3	09/26/08	3974.60	52.08	53.38	1.30	3922.33
MW - 3	10/10/08	3974.60	52.01	53.34	1.33	3922.39
MW - 3	10/17/08	3974.60	52.04	53.32	1.28	3922.37
MW - 3	10/21/08	3974.60	52.06	53.33	1.27	3922.35
MW - 3	10/30/08	3974.60	52.03	53.30	1.27	3922.38
MW - 3	11/04/08	3974.60	52.03	53.26	1.23	3922.39
MW - 3	11/18/08	3974.60	52.03	53.30	1.27	3922.38
MW - 3	11/25/08	3974.60	52.06	53.33	1.27	3922.35
MW - 3	12/10/08	3974.60	52.04	53.29	1.25	3922.37
MW - 3	12/18/08	3974.60	52.02	53.31	1.29	3922.39
MW - 3	01/06/09	3974.60	52.00	53.29	1.29	3922.41
MW - 3	01/14/09	3974.60	52.03	53.31	1.28	3922.38
MW - 3	01/21/09	3974.60	52.03	53.25	1.22	3922.39
MW - 3	01/22/09	3974.60	52.02	53.02	1.00	3922.43
MW - 3	01/30/09	3974.60	52.04	53.27	1.23	3922.38
MW - 3	02/03/09	3974.60	52.03	53.20	1.17	3922.39
MW - 3	02/12/09	3974.60	52.02	53.20	1.18	3922.40
MW - 3	02/19/09	3974.60	52.02	53.17	1.15	3922.41
MW - 3	03/04/09	3974.60	52.05	53.03	0.98	3922.40
MW - 3	03/06/09	3974.60	52.01	53.05	1.04	3922.43
MW - 3	03/11/09	3974.60	52.04	53.19	1.15	3922.39
MW - 3	03/16/09	3974.60	52.08	53.06	0.98	3922.37
MW - 3	03/19/09	3974.60	52.03	53.19	1.16	3922.40
MW - 3	03/24/09	3974.60	51.99	52.92	0.93	3922.47
MW - 3	04/03/09	3974.60	51.58	52.70	1.12	3922.85
MW - 3	04/15/09	3974.60	52.01	53.10	1.09	3922.43
MW - 3	04/17/09	3974.60	52.07	53.04	0.97	3922.38
MW - 3	04/22/09	3974.60	51.97	53.06	1.09	3922.47
MW - 3	04/29/09	3974.60	52.06	53.14	1.08	3922.38
MW - 3	05/20/09	3974.60	52.00	53.09	1.09	3922.44
MW - 3	05/20/09	3974.60	52.00	53.09	1.09	3922.44
MW - 3	06/09/09	3974.60	51.99	53.14	1.15	3922.44
MW - 3	06/17/09	3974.60	52.00	53.12	1.12	3922.43
MW - 3	06/23/09	3974.60	51.95	53.08	1.13	3922.48
MW - 3	07/01/09	3974.60	52.00	53.16	1.16	3922.43

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 3	07/08/09	3974.60	52.02	53.14	1.12	3922.41
MW - 3	07/15/09	3974.60	52.00	53.08	1.08	3922.44
MW - 3	07/17/09	3974.60	52.04	53.05	1.01	3922.41
MW - 3	07/23/09	3974.60	52.02	53.12	1.10	3922.42
MW - 3	07/24/09	3974.60	52.05	52.87	0.82	3922.43
MW - 3	07/30/09	3974.60	52.08	53.19	1.11	3922.35
MW - 3	08/04/09	3974.60	52.00	53.02	1.02	3922.45
MW - 3	08/12/09	3974.60	52.02	53.08	1.06	3922.42
MW - 3	08/20/09	3974.60	52.00	53.08	1.08	3922.44
MW - 3	08/26/09	3974.60	51.98	52.73	0.75	3922.51
MW - 3	09/02/09	3974.60	51.99	53.11	1.12	3922.44
MW - 3	09/09/09	3974.60	52.02	53.11	1.09	3922.42
MW - 3	09/14/09	3974.60	52.01	53.06	1.05	3922.43
MW - 3	09/21/09	3974.60	52.01	53.10	1.09	3922.43
MW - 3	10/01/09	3974.60	52.02	53.09	1.07	3922.42
MW - 3	10/08/09	3974.60	52.02	53.12	1.10	3922.42
MW - 3	10/08/09	3974.60	52.02	53.12	1.10	3922.42
MW - 3	10/14/09	3974.60	52.02	53.09	1.07	3922.42
MW - 3	10/21/09	3974.60	52.02	53.15	1.13	3922.41
MW - 3	10/28/09	3974.60	52.97	53.09	0.12	3921.61
MW - 3	11/04/09	3974.60	51.99	53.02	1.03	3922.46
MW - 3	11/11/09	3974.60	51.99	53.00	1.01	3922.46
MW - 3	11/18/09	3974.60	52.03	53.10	1.07	3922.41
MW - 3	11/25/09	3974.60	51.99	53.09	1.10	3922.45
MW - 3	12/02/09	3974.60	52.02	53.09	1.07	3922.42
MW - 3	12/10/09	3974.60	52.00	53.03	1.03	3922.45
MW - 3	12/17/09	3974.60	52.06	53.05	0.99	3922.39
MW - 3	12/21/09	3974.60	52.02	52.72	0.70	3922.48
MW - 3	12/30/09	3974.60	52.11	52.99	0.88	3922.36
MW - 3	01/07/10	3974.60	52.06	52.72	0.66	3922.44
MW - 3	01/18/10	3974.60	52.08	52.64	0.56	3922.44
MW - 3	02/02/10	3974.60	52.02	52.93	0.91	3922.44
MW - 3	02/11/10	3974.60	51.97	52.91	0.94	3922.49
MW - 3	02/18/10	3974.60	51.98	51.99	0.01	3922.62
MW - 3	02/25/10	3974.60	52.04	53.00	0.96	3922.42
MW - 3	03/02/10	3974.60	52.05	52.95	0.90	3922.42
MW - 3	03/04/10	3974.60	52.00	52.83	0.83	3922.48
MW - 3	03/10/10	3974.60	51.98	52.93	0.95	3922.48
MW - 3	03/12/10	3974.60	52.07	52.84	0.77	3922.41
MW - 3	03/15/10	3974.60	52.03	52.77	0.74	3922.46
MW - 3	03/18/10	3974.60	52.06	52.77	0.71	3922.43
MW - 3	03/22/10	3974.60	52.10	52.80	0.70	3922.40
MW - 3	03/24/10	3974.60	52.12	52.73	0.61	3922.39

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 3	03/30/10	3974.60	52.08	52.74	0.66	3922.42
MW - 3	04/07/10	3974.60	52.10	52.74	0.64	3922.40
MW - 3	04/12/10	3974.60	52.00	52.72	0.72	3922.49
MW - 3	04/16/10	3974.60	52.39	54.08	1.69	3921.96
MW - 3	04/20/10	3974.60	52.34	53.61	1.27	3922.07
MW - 3	04/27/10	3974.60	52.42	53.74	1.32	3921.98
MW - 3	04/30/10	3974.60	52.32	53.31	0.99	3922.13
MW - 3	05/12/10	3974.60	52.36	53.78	1.42	3922.03
MW - 3	05/14/10	3974.60	52.33	53.33	1.00	3922.12
MW - 3	05/17/10	3974.60	52.52	53.74	1.22	3921.90
MW - 3	05/20/10	3974.60	52.37	53.78	1.41	3922.02
MW - 3	05/25/10	3974.60	52.26	53.13	0.87	3922.21
MW - 3	06/01/10	3974.60	52.25	53.14	0.89	3922.22
MW - 3	06/09/10	3974.60	52.27	53.11	0.84	3922.20
MW - 3	06/16/10	3974.60	52.28	52.96	0.68	3922.22
MW - 3	06/28/10	3974.60	52.32	53.37	1.05	3922.12
MW - 3	07/09/10	3974.60	52.29	52.94	0.65	3922.21
MW - 3	07/23/10	3974.60	51.99	52.67	0.68	3922.51
MW - 3	07/29/10	3974.60	51.99	52.68	0.69	3922.51
MW - 3	08/05/10	3974.60	51.98	52.70	0.72	3922.51
MW - 3	08/12/10	3974.60	51.98	52.73	0.75	3922.51
MW - 3	08/16/10	3974.60	51.98	52.73	0.75	3922.51
MW - 3	08/18/10	3974.60	51.98	52.75	0.77	3922.50
MW - 3	08/26/10	3974.60	52.11	53.04	0.93	3922.35
MW - 3	09/02/10	3974.60	52.19	53.40	1.21	3922.23
MW - 3	09/09/10	3974.60	51.96	52.71	0.75	3922.53
MW - 3	09/30/10	3974.60	52.04	52.58	0.54	3922.48
MW - 3	10/07/10	3974.60	52.04	52.65	0.61	3922.47
MW - 3	10/14/10	3974.60	52.30	53.90	1.60	3922.06
MW - 3	10/21/10	3974.60	52.28	53.89	1.61	3922.08
MW - 3	11/04/10	3974.60	52.18	53.24	1.06	3922.26
MW - 3	11/10/10	3974.60	52.29	53.87	1.58	3922.07
MW - 3	12/01/10	3974.60	51.96	52.81	0.85	3922.51
MW - 3	12/08/10	3974.60	52.09	53.16	1.07	3922.35
MW - 3	01/26/11	3974.60	52.00	52.75	0.75	3922.49
MW - 3	02/28/11	3974.60	52.27	53.87	1.60	3922.09
MW - 3	03/04/11	3974.60	52.08	52.88	0.80	3922.40
MW - 3	03/09/11	3974.60	52.07	53.57	1.50	3922.31
MW - 3	04/28/11	3974.60	52.11	53.12	1.01	3922.34
MW - 3	05/04/11	3974.60	52.09	52.12	0.03	3922.51
MW - 3	05/11/11	3974.60	52.14	53.11	0.97	3922.31
MW - 3	05/12/11	3974.60	52.10	53.06	0.96	3922.36
MW - 3	05/18/11	3974.60	52.13	53.18	1.05	3922.31

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 3	05/23/11	3974.60	52.07	53.02	0.95	3922.39
MW - 3	06/08/11	3974.60	52.11	53.19	1.08	3922.33
MW - 3	06/16/11	3974.60	52.09	53.05	0.96	3922.37
MW - 3	06/22/11	3974.60	52.11	53.10	0.99	3922.34
MW - 3	06/30/11	3974.60	52.05	53.52	1.47	3922.33
MW - 3	07/06/11	3974.60	51.98	53.15	1.17	3922.44
MW - 3	07/13/11	3974.60	52.08	53.25	1.17	3922.34
MW - 3	07/15/11	3974.60	52.10	53.50	1.40	3922.29
MW - 3	07/19/11	3974.60	52.15	53.08	0.93	3922.31
MW - 3	07/21/11	3974.60	52.02	53.04	1.02	3922.43
MW - 3	07/26/11	3974.60	52.15	53.05	0.90	3922.32
MW - 3	07/28/11	3974.60	52.12	53.06	0.94	3922.34
MW - 3	08/02/11	3974.60	52.25	53.76	1.51	3922.12
MW - 3	08/09/11	3974.60	52.20	53.68	1.48	3922.18
MW - 3	08/12/11	3974.60	52.13	53.38	1.25	3922.28
MW - 3	08/15/11	3974.60	52.13	53.38	1.25	3922.28
MW - 3	08/16/11	3974.60	52.12	53.80	1.68	3922.23
MW - 3	08/19/11	3974.60	52.13	53.71	1.58	3922.23
MW - 3	08/23/11	3974.60	52.16	53.30	1.14	3922.27
MW - 3	08/26/11	3974.60	52.21	53.25	1.04	3922.23
MW - 3	08/30/11	3974.60	52.02	52.69	0.67	3922.48
MW - 3	09/01/11	3974.60	52.05	52.42	0.37	3922.49
MW - 3	09/08/11	3974.60	52.14	53.89	1.75	3922.20
MW - 3	09/13/11	3974.60	52.10	53.49	1.39	3922.29
MW - 3	09/15/11	3974.60	52.22	52.28	0.06	3922.37
MW - 3	09/22/11	3974.60	52.03	52.75	0.72	3922.46
MW - 3	10/06/11	3974.60	52.04	52.92	0.88	3922.43
MW - 3	10/11/11	3974.60	52.17	53.19	1.02	3922.28
MW - 3	10/13/11	3974.60	52.19	53.91	1.72	3922.15
MW - 3	10/26/11	3974.60	51.13	53.36	2.23	3923.14
MW - 3	11/22/11	3974.60	52.17	53.24	1.07	3922.27
MW - 3	12/02/11	3974.60	52.01	52.94	0.93	3922.45
MW - 3	12/29/11	3974.60	51.99	52.86	0.87	3922.48
MW - 3	01/26/12	3974.60	52.04	53.28	1.24	3922.37
MW - 3	01/31/12	3974.60	52.08	53.40	1.32	3922.32
MW - 3	02/15/12	3974.60	52.01	52.83	0.82	3922.47
MW - 3	02/28/12	3974.60	52.04	53.24	1.20	3922.38
MW - 3	03/20/12	3974.60	52.07	53.42	1.35	3922.33
MW - 3	03/27/12	3974.60	52.57	53.37	0.80	3921.91
MW - 3	04/10/12	3974.60	52.13	53.36	1.23	3922.29
MW - 3	04/19/12	3974.60	52.09	53.43	1.34	3922.31
MW - 3	04/26/12	3974.60	52.00	52.75	0.75	3922.49
MW - 3	05/08/12	3974.60	52.01	52.76	0.75	3922.48

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 3	05/15/12	3974.60	51.98	53.01	1.03	3922.47
MW - 3	05/17/12	3974.60	51.96	53.02	1.06	3922.48
MW - 3	06/05/12	3974.60	52.03	53.40	1.37	3922.36
MW - 3	06/21/12	3974.60	52.02	53.51	1.49	3922.36
MW - 3	06/28/12	3974.60	52.02	53.57	1.55	3922.35
MW - 3	07/17/12	3974.60	52.00	53.23	1.23	3922.42
MW - 3	08/01/12	3974.60	52.08	53.13	1.05	3922.36
MW - 3	10/02/12	3974.60	52.08	53.48	1.40	3922.31
MW - 3	10/09/12	3974.60	52.04	53.89	1.85	3922.28
MW - 3	10/16/12	3974.60	52.10	53.32	1.22	3922.32
MW - 3	10/25/12	3974.60	52.09	53.50	1.41	3922.30
MW - 3	10/30/12	3974.60	52.08	53.51	1.43	3922.31
MW - 3	11/29/12	3974.60	52.05	54.10	2.05	3922.24
MW - 3	12/14/12	3974.60	52.10	53.63	1.53	3922.27
MW - 3	02/11/13	3974.60	52.12	53.29	1.17	3922.30
MW - 3	03/18/13	3974.60	52.29	52.48	0.19	3922.28
MW - 3	04/11/13	3974.60	52.58	52.65	0.07	3922.01
MW - 3	05/06/13	3974.60	52.17	53.08	0.91	3922.29
MW - 3	05/29/13	3974.60	52.55	52.69	0.14	3922.03
MW - 3	06/26/13	3974.60	52.63	52.68	0.05	3921.96
MW - 3	07/31/13	3974.60	52.46	52.49	0.03	3922.14
MW - 3	08/06/13	3974.60	52.46	52.48	0.02	3922.14
MW - 3	09/30/13	3974.60	52.50	52.60	0.10	3922.09
MW - 3	11/18/13	3974.60	52.32	53.19	0.87	3922.15
MW - 3	02/04/14	3974.60	52.36	53.10	0.74	3922.13
MW - 3	04/28/14	3974.60	52.34	53.06	0.72	3922.15
MW - 3	05/28/14	3974.60	52.53	52.85	0.32	3922.02
MW - 3	07/30/14	3974.60	53.79	53.80	0.01	3920.81
MW - 3	08/23/14	3974.60	53.27	53.80	0.53	3921.25
MW - 3	09/10/14	3974.60	52.51	53.42	0.91	3921.95
MW - 3	09/23/14	3974.60	52.38	53.97	1.59	3921.98
MW - 3	10/31/14	3974.60	52.49	52.91	0.42	3922.05
MW - 3	11/18/14	3974.60	52.45	53.30	0.85	3922.02
MW - 3	01/05/15	3974.60	52.71	53.09	0.38	3921.83
MW - 3	01/09/15	3974.60	52.34	53.57	1.23	3922.08
MW - 3	01/14/15	3974.60	52.33	53.66	1.33	3922.07
MW - 3	01/21/15	3974.60	52.72	53.07	0.35	3921.83
MW - 3	02/19/15	3974.60	52.74	52.82	0.08	3921.85
MW - 3	03/09/15	3974.60	52.74	53.09	0.35	3921.81
MW - 3	03/11/15	3974.60	52.81	53.19	0.38	3921.73
MW - 3	03/31/15	3974.60	52.74	53.09	0.35	3921.81
MW - 3	04/09/15	3974.60	52.44	52.92	0.48	3922.09
MW - 3	04/15/15	3974.60	52.33	52.37	0.04	3922.26

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 3	04/22/15	3974.60	52.33	53.50	1.17	3922.09
MW - 3	05/12/15	3974.60	52.30	53.62	1.32	3922.10
MW - 3	05/26/15	3974.60	52.71	53.04	0.33	3921.84
MW - 3	06/01/15	3974.60	52.34	53.41	1.07	3922.10
MW - 3	06/04/15	3974.60	52.29	53.67	1.38	3922.10
MW - 3	07/27/15	3974.60	52.71	52.73	0.02	3921.89
MW - 3	08/18/15	3974.60	52.45	52.85	0.40	3922.09
MW - 3	10/08/15	3974.60	52.74	53.21	0.47	3921.79
MW - 3	10/21/15	3974.60	52.49	53.15	0.66	3922.01
MW - 3	11/23/15	3974.60	53.31	54.94	1.63	3921.05
MW - 3	01/12/16	3974.60	52.51	53.35	0.84	3921.96
MW - 3	02/11/16	3974.60	52.47	53.04	0.57	3922.04
MW - 3	02/24/16	3974.60	52.49	53.07	0.58	3922.02
MW - 3	06/13/16	3974.60	52.47	53.13	0.66	3922.03
MW - 3	08/02/16	3974.60	52.52	53.56	1.04	3921.92
MW - 3	11/28/16	3974.60	52.45	53.40	0.95	3922.01
MW - 3	02/21/17	3974.60	52.48	53.31	0.83	3922.00
MW - 3	05/24/17	3974.60	52.50	53.09	0.59	3922.01
MW - 3	07/12/17	3974.60	52.50	53.09	0.59	3922.01
MW - 3	08/11/17	3974.60	52.54	53.11	0.57	3921.97
MW - 3	10/18/17	3974.60	52.67	53.54	0.87	3921.80
MW - 3	11/28/17	3974.60	52.55	53.56	1.01	3921.90
MW - 3	12/19/17	3974.60	52.53	53.66	1.13	3921.90
MW - 3	01/16/18	3974.60	52.45	54.08	1.63	3921.91
MW - 3	02/26/18	3974.60	52.60	53.20	0.60	3921.91
MW - 3	04/03/18	3974.60	52.59	53.24	0.65	3921.91
MW - 3	04/17/18	3974.60	52.52	53.49	0.97	3921.93
MW - 3	05/07/18	3974.60	52.76	52.94	0.18	3921.81
MW - 3	06/26/18	3974.60	52.60	53.61	1.01	3921.85
MW - 3	07/12/18	3974.60	52.48	54.28	1.80	3921.85
MW - 3	08/01/18	3974.60	52.60	54.50	1.90	3921.72
MW - 3	08/09/18	3974.60	52.45	54.32	1.87	3921.87
MW - 3	08/23/18	3974.60	52.47	54.49	2.02	3921.83
MW - 3	08/30/18	3974.60	52.69	53.49	0.80	3921.79
MW - 3	08/31/18	3974.60	52.49	54.38	1.89	3921.83
MW - 3	09/11/18	3974.60	52.53	54.13	1.60	3921.83
MW - 3	09/13/18	3974.60	52.55	53.71	1.16	3921.88
MW - 3	09/19/18	3974.60	52.54	54.19	1.65	3921.81
MW - 3	09/26/18	3974.60	52.31	53.37	1.06	3922.13
MW - 3	10/04/18	3974.60	52.50	53.68	1.18	3921.92
MW - 3	11/14/18	3974.60	52.65	52.88	0.23	3921.92
MW - 3	12/18/18	3974.60	52.64	53.81	1.17	3921.78
MW - 3	02/18/19	3974.60	52.64	53.59	0.95	3921.82

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 3	05/14/19	3974.60	52.54	53.94	1.40	3921.85
MW - 3	08/19/19	3974.60	52.85	53.77	0.92	3921.61
MW - 3	11/11/19	3974.60	52.90	53.81	0.91	3921.56
MW - 4	03/02/00	3974.53	52.58	54.30	1.72	3921.69
MW - 4	04/25/00	3974.53	52.59	54.38	1.79	3921.67
MW - 4	09/06/00	3974.53	52.44	55.11	2.67	3921.69
MW - 4	11/28/00	3974.53	52.48	55.25	2.77	3921.63
MW - 4	02/21/01	3974.53	52.38	55.15	2.77	3921.73
MW - 4	05/31/01	3974.53	52.43	55.22	2.79	3921.68
MW - 4	08/23/01	3974.53	52.38	55.24	2.86	3921.72
MW - 4	11/21/01	3974.53	52.37	55.15	2.78	3921.74
MW - 4	02/13/02	3974.53	52.42	55.21	2.79	3921.69
MW - 4	06/12/02	3974.53	52.31	55.44	3.13	3921.75
MW - 4	08/26/02	3974.53	52.33	55.50	3.17	3921.72
MW - 4	11/08/02	3974.53	52.94	53.18	0.24	3921.55
MW - 4	11/21/02	3974.53	52.61	54.63	2.02	3921.62
MW - 4	12/27/02	3974.53	52.53	54.86	2.33	3921.65
MW - 4	01/06/03	3974.53	52.74	53.93	1.19	3921.61
MW - 4	01/08/03	3974.53	52.77	53.81	1.04	3921.60
MW - 4	01/10/03	3974.53	52.86	53.31	0.45	3921.60
MW - 4	01/13/03	3974.53	52.87	53.26	0.39	3921.60
MW - 4	02/05/03	3974.53	52.91	52.99	0.08	3921.61
MW - 4	02/26/03	3974.53	52.72	53.86	1.14	3921.64
MW - 4	03/04/03	3974.53	52.70	53.86	1.16	3921.66
MW - 4	03/12/03	3974.53	52.78	53.69	0.91	3921.61
MW - 4	03/18/03	3974.53	52.91	53.30	0.39	3921.56
MW - 4	03/25/03	3974.53	52.85	53.32	0.47	3921.61
MW - 4	03/31/03	3974.53	52.82	53.41	0.59	3921.62
MW - 4	04/09/03	3974.53	52.81	53.33	0.52	3921.64
MW - 4	04/14/03	3974.53	52.79	53.48	0.69	3921.64
MW - 4	05/07/03	3974.53	52.50	54.57	2.07	3921.72
MW - 4	05/08/03	3974.53	52.58	54.67	2.09	3921.64
MW - 4	05/13/03	3974.53	52.57	54.66	2.09	3921.65
MW - 4	05/21/03	3974.53	52.58	54.71	2.13	3921.63
MW - 4	05/27/03	3974.53	52.73	53.62	0.89	3921.67
MW - 4	05/28/03	3974.53	52.82	53.65	0.83	3921.59
MW - 4	06/03/03	3974.53	52.68	54.35	1.67	3921.60
MW - 4	06/10/03	3974.53	52.82	53.60	0.78	3921.59
MW - 4	07/01/03	3974.53	52.91	53.66	0.75	3921.51
MW - 4	07/08/03	3974.53	52.77	54.30	1.53	3921.53
MW - 4	07/29/03	3974.53	52.57	54.38	1.81	3921.69
MW - 4	08/04/03	3974.53	52.85	54.17	1.32	3921.48

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	08/18/03	3974.53	52.84	53.39	0.55	3921.61
MW - 4	08/25/03	3974.53	52.85	54.86	2.01	3921.38
MW - 4	10/06/03	3974.53	52.91	53.17	0.26	3921.58
MW - 4	10/08/03	3974.53	53.12	53.98	0.86	3921.28
MW - 4	10/15/03	3974.53	53.14	53.88	0.74	3921.28
MW - 4	11/12/03	3974.53	53.14	54.94	1.80	3921.12
MW - 4	11/19/03	3974.53	53.10	54.58	1.48	3921.21
MW - 4	12/01/03	3974.53	53.29	53.70	0.41	3921.18
MW - 4	12/10/03	3974.53	52.96	53.50	0.54	3921.49
MW - 4	02/05/04	3974.53	53.32	53.78	0.46	3921.14
MW - 4	02/17/04	3974.53	53.87	54.28	0.41	3920.60
MW - 4	02/25/04	3974.53	53.28	53.80	0.52	3921.17
MW - 4	03/09/04	3974.53	52.84	54.59	1.75	3921.43
MW - 4	03/16/04	3974.53	52.85	54.56	1.71	3921.42
MW - 4	03/22/04	3974.53	52.84	53.14	0.30	3921.65
MW - 4	04/07/04	3974.53	52.90	53.37	0.47	3921.56
MW - 4	04/12/04	3974.53	52.83	54.74	1.91	3921.41
MW - 4	04/19/04	3974.53	52.87	52.99	0.12	3921.64
MW - 4	05/05/04	3974.53	52.82	54.83	2.01	3921.41
MW - 4	05/11/04	3974.53	53.00	54.74	1.74	3921.27
MW - 4	06/07/04	3974.53	52.58	54.57	1.99	3921.65
MW - 4	06/15/04	3974.53	52.60	54.49	1.89	3921.65
MW - 4	06/20/04	3974.53	52.60	54.49	1.89	3921.65
MW - 4	06/21/04	3974.53	52.56	54.55	1.99	3921.67
MW - 4	06/28/04	3974.53	52.57	54.51	1.94	3921.67
MW - 4	07/08/04	3974.53	52.55	54.53	1.98	3921.68
MW - 4	07/12/04	3974.53	52.54	54.52	1.98	3921.69
MW - 4	08/06/04	3974.53	52.58	54.51	1.93	3921.66
MW - 4	08/12/04	3974.53	52.60	54.59	1.99	3921.63
MW - 4	08/17/04	3974.53	52.64	54.72	2.08	3921.58
MW - 4	08/26/04	3974.53	52.60	54.79	2.19	3921.60
MW - 4	09/01/04	3974.53	52.67	54.40	1.73	3921.60
MW - 4	09/03/04	3974.53	52.67	54.45	1.78	3921.59
MW - 4	09/08/04	3974.53	52.66	54.63	1.97	3921.57
MW - 4	09/14/04	3974.53	52.69	54.46	1.77	3921.57
MW - 4	09/22/04	3974.53	52.81	54.39	1.58	3921.48
MW - 4	10/01/04	3974.53	52.67	54.62	1.95	3921.57
MW - 4	10/08/04	3974.53	52.69	54.44	1.75	3921.58
MW - 4	10/15/04	3974.53	52.60	54.30	1.70	3921.68
MW - 4	10/22/04	3974.53	52.62	54.56	1.94	3921.62
MW - 4	11/12/04	3974.53	52.68	53.69	1.01	3921.70
MW - 4	11/26/04	3974.53	52.65	54.55	1.90	3921.60
MW - 4	12/02/04	3974.53	52.70	54.50	1.80	3921.56

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	12/06/04	3974.53	52.77	54.21	1.44	3921.54
MW - 4	12/13/04	3974.53	52.72	54.40	1.68	3921.56
MW - 4	12/15/04	3974.53	52.72	54.40	1.68	3921.56
MW - 4	12/27/04	3974.53	52.65	54.47	1.82	3921.61
MW - 4	01/10/05	3974.53	52.14	54.40	2.26	3922.05
MW - 4	01/18/05	3974.53	52.59	54.15	1.56	3921.71
MW - 4	01/18/05	3974.53	52.68	53.51	0.83	3921.73
MW - 4	01/25/05	3974.53	52.54	54.10	1.56	3921.76
MW - 4	01/27/05	3974.53	52.55	53.90	1.35	3921.78
MW - 4	02/01/05	3974.53	52.56	53.93	1.37	3921.76
MW - 4	02/07/05	3974.53	52.50	54.01	1.51	3921.80
MW - 4	02/11/05	3974.53	52.50	53.98	1.48	3921.81
MW - 4	02/15/05	3974.53	52.53	53.96	1.43	3921.79
MW - 4	02/22/05	3974.53	52.47	54.10	1.63	3921.82
MW - 4	02/24/05	3974.53	52.50	54.15	1.65	3921.78
MW - 4	03/03/05	3974.53	52.46	54.13	1.67	3921.82
MW - 4	03/09/05	3974.53	52.46	54.92	2.46	3921.70
MW - 4	03/22/05	3974.53	52.45	54.05	1.60	3921.84
MW - 4	03/24/05	3974.53	52.45	54.05	1.60	3921.84
MW - 4	03/31/05	3974.53	52.47	54.03	1.56	3921.83
MW - 4	06/22/05	3974.53	52.36	54.10	1.74	3921.91
MW - 4	07/21/05	3974.53	52.89	53.64	0.75	3921.53
MW - 4	08/03/05	3974.53	52.33	52.80	0.47	3922.13
MW - 4	08/12/05	3974.53	52.32	53.40	1.08	3922.05
MW - 4	08/15/05	3974.53	52.35	53.60	1.25	3921.99
MW - 4	08/22/05	3974.53	52.34	53.66	1.32	3921.99
MW - 4	08/30/05	3974.53	52.32	53.70	1.38	3922.00
MW - 4	09/07/05	3974.53	52.32	53.92	1.60	3921.97
MW - 4	09/14/05	3974.53	52.30	53.68	1.38	3922.02
MW - 4	09/20/05	3974.53	52.33	53.59	1.26	3922.01
MW - 4	09/21/05	3974.53	52.33	53.69	1.36	3922.00
MW - 4	09/28/05	3974.53	52.30	53.70	1.40	3922.02
MW - 4	10/06/05	3974.53	52.27	53.85	1.58	3922.02
MW - 4	10/13/05	3974.53	52.28	53.81	1.53	3922.02
MW - 4	10/20/05	3974.53	52.30	53.75	1.45	3922.01
MW - 4	10/26/05	3974.53	52.28	53.75	1.47	3922.03
MW - 4	11/03/05	3974.53	52.25	53.75	1.50	3922.06
MW - 4	11/10/05	3974.53	52.24	53.75	1.51	3922.06
MW - 4	11/16/05	3974.53	52.27	53.72	1.45	3922.04
MW - 4	11/23/05	3974.53	52.30	53.68	1.38	3922.02
MW - 4	11/28/05	3974.53	52.23	53.75	1.52	3922.07
MW - 4	12/05/05	3974.53	52.28	53.65	1.37	3922.04
MW - 4	12/12/05	3974.53	52.27	53.68	1.41	3922.05

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	12/16/05	3974.53	52.40	53.04	0.64	3922.03
MW - 4	12/19/05	3974.53	52.30	53.60	1.30	3922.04
MW - 4	12/29/05	3974.53	52.25	53.71	1.46	3922.06
MW - 4	01/04/06	3974.53	52.38	53.70	1.32	3921.95
MW - 4	01/10/06	3974.53	52.25	53.70	1.45	3922.06
MW - 4	01/17/06	3974.53	52.26	53.65	1.39	3922.06
MW - 4	01/26/06	3974.53	52.23	53.63	1.40	3922.09
MW - 4	01/31/06	3974.53	52.25	53.60	1.35	3922.08
MW - 4	02/07/06	3974.53	52.25	53.56	1.31	3922.08
MW - 4	02/09/06	3974.53	52.27	53.65	1.38	3922.05
MW - 4	02/13/06	3974.53	52.29	53.55	1.26	3922.05
MW - 4	02/22/06	3974.53	52.25	53.71	1.46	3922.06
MW - 4	02/28/06	3974.53	52.29	53.68	1.39	3922.03
MW - 4	03/07/06	3974.53	52.30	53.63	1.33	3922.03
MW - 4	03/15/06	3974.53	52.23	53.55	1.32	3922.10
MW - 4	03/20/06	3974.53	52.22	53.46	1.24	3922.12
MW - 4	03/22/06	3974.53	52.52	52.54	0.02	3922.01
MW - 4	03/29/06	3974.53	52.25	53.32	1.07	3922.12
MW - 4	04/11/06	3974.53	52.22	53.39	1.17	3922.13
MW - 4	04/18/06	3974.53	52.22	53.40	1.18	3922.13
MW - 4	04/25/06	3974.53	52.29	53.14	0.85	3922.11
MW - 4	05/02/06	3974.53	52.22	53.34	1.12	3922.14
MW - 4	05/09/06	3974.53	52.21	53.30	1.09	3922.16
MW - 4	05/16/06	3974.53	52.23	52.31	0.08	3922.29
MW - 4	05/23/06	3974.53	52.23	53.29	1.06	3922.14
MW - 4	05/31/06	3974.53	52.20	53.36	1.16	3922.16
MW - 4	06/06/06	3974.53	52.22	53.26	1.04	3922.15
MW - 4	06/13/06	3974.53	52.23	53.29	1.06	3922.14
MW - 4	06/20/06	3974.53	52.20	53.28	1.08	3922.17
MW - 4	06/21/06	3974.53	52.30	52.90	0.60	3922.14
MW - 4	07/06/06	3974.53	52.21	53.30	1.09	3922.16
MW - 4	07/12/06	3974.53	52.23	53.17	0.94	3922.16
MW - 4	07/20/06	3974.53	52.23	53.12	0.89	3922.17
MW - 4	07/25/06	3974.53	52.25	53.11	0.86	3922.15
MW - 4	08/01/06	3974.53	52.24	53.15	0.91	3922.15
MW - 4	08/16/06	3974.53	52.33	52.81	0.48	3922.13
MW - 4	08/23/06	3974.53	52.27	53.00	0.73	3922.15
MW - 4	08/28/06	3974.53	52.27	53.00	0.73	3922.15
MW - 4	09/12/06	3974.53	52.25	53.06	0.81	3922.16
MW - 4	09/22/06	3974.53	52.25	53.15	0.90	3922.15
MW - 4	09/27/06	3974.53	52.27	53.04	0.77	3922.14
MW - 4	10/06/06	3974.53	52.21	53.24	1.03	3922.17
MW - 4	10/10/06	3974.53	52.24	53.16	0.92	3922.15

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	10/16/06	3974.53	52.23	53.30	1.07	3922.14
MW - 4	10/26/06	3974.53	52.21	53.20	0.99	3922.17
MW - 4	11/03/06	3974.53	52.22	53.18	0.96	3922.17
MW - 4	11/09/06	3974.53	52.20	53.15	0.95	3922.19
MW - 4	11/16/06	3974.53	52.22	53.18	0.96	3922.17
MW - 4	11/22/06	3974.53	52.22	53.11	0.89	3922.18
MW - 4	12/04/06	3974.53	52.21	53.12	0.91	3922.18
MW - 4	12/08/06	3974.53	52.21	53.17	0.96	3922.18
MW - 4	12/15/06	3974.53	52.19	53.12	0.93	3922.20
MW - 4	01/05/07	3974.53	52.18	53.18	1.00	3922.20
MW - 4	01/12/07	3974.53	52.20	53.13	0.93	3922.19
MW - 4	01/18/07	3974.53	52.20	53.14	0.94	3922.19
MW - 4	01/24/07	3974.53	52.20	53.10	0.90	3922.20
MW - 4	01/29/07	3974.53	52.18	53.06	0.88	3922.22
MW - 4	02/09/07	3974.53	52.16	53.04	0.88	3922.24
MW - 4	02/16/07	3974.53	52.20	53.07	0.87	3922.20
MW - 4	02/23/07	3974.53	52.15	53.03	0.88	3922.25
MW - 4	03/02/07	3974.53	52.20	53.10	0.90	3922.20
MW - 4	03/14/07	3974.53	52.19	52.80	0.61	3922.25
MW - 4	03/26/07	3974.53	52.17	52.94	0.77	3922.24
MW - 4	04/03/07	3974.53	52.14	52.98	0.84	3922.26
MW - 4	04/09/07	3974.53	52.16	52.95	0.79	3922.25
MW - 4	04/26/07	3974.53	52.16	52.96	0.80	3922.25
MW - 4	04/30/07	3974.53	52.12	52.94	0.82	3922.29
MW - 4	05/11/07	3974.53	52.15	52.94	0.79	3922.26
MW - 4	05/16/07	3974.53	52.17	52.88	0.71	3922.25
MW - 4	05/22/07	3974.53	52.15	52.87	0.72	3922.27
MW - 4	05/29/07	3974.53	52.14	52.90	0.76	3922.28
MW - 4	06/01/07	3974.53	52.15	52.90	0.75	3922.27
MW - 4	06/08/07	3974.53	52.15	52.90	0.75	3922.27
MW - 4	06/11/07	3974.53	52.18	52.81	0.63	3922.26
MW - 4	06/20/07	3974.53	52.15	52.90	0.75	3922.27
MW - 4	07/10/07	3974.53	52.13	52.85	0.72	3922.29
MW - 4	07/20/07	3974.53	52.14	52.83	0.69	3922.29
MW - 4	07/25/07	3974.53	52.14	52.78	0.64	3922.29
MW - 4	08/01/07	3974.53	52.12	52.81	0.69	3922.31
MW - 4	08/10/07	3974.53	52.14	52.81	0.67	3922.29
MW - 4	08/15/07	3974.53	52.13	52.76	0.63	3922.31
MW - 4	08/30/07	3974.53	52.13	52.80	0.67	3922.30
MW - 4	08/31/07	3974.53	52.13	52.80	0.67	3922.30
MW - 4	09/10/07	3974.53	52.13	52.77	0.64	3922.30
MW - 4	09/19/07	3974.53	52.12	52.76	0.64	3922.31
MW - 4	09/27/07	3974.53	52.12	52.72	0.60	3922.32

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	10/01/07	3974.53	52.12	52.67	0.55	3922.33
MW - 4	10/19/07	3974.53	52.10	52.75	0.65	3922.33
MW - 4	10/26/07	3974.53	52.12	52.68	0.56	3922.33
MW - 4	11/12/07	3974.53	52.14	52.46	0.32	3922.34
MW - 4	11/16/07	3974.53	52.16	52.47	0.31	3922.32
MW - 4	11/29/07	3974.53	59.18	59.88	0.70	3915.25
MW - 4	12/13/07	3974.53	52.10	52.63	0.53	3922.35
MW - 4	01/10/08	3974.53	52.05	52.60	0.55	3922.40
MW - 4	01/17/08	3974.53	52.09	52.60	0.51	3922.36
MW - 4	01/22/08	3974.53	52.08	52.58	0.50	3922.38
MW - 4	2/6/08 #1	3974.53	52.09	52.55	0.46	3922.37
MW - 4	02/06/08 #2	3974.53	52.15	52.25	0.10	3922.37
MW - 4	2/12/08 #1	3974.53	52.09	52.56	0.47	3922.37
MW - 4	2/12/08 #2	3974.53	52.16	52.24	0.08	3922.36
MW - 4	2/20/08 #1	3974.53	52.07	52.25	0.18	3922.43
MW - 4	2/20/08 #2	3974.53	52.14	52.25	0.11	3922.37
MW - 4	2/27/08 #1	3974.53	52.08	52.51	0.43	3922.39
MW - 4	2/27/08 #2	3974.53	52.12	52.25	0.13	3922.39
MW - 4	03/07/08	3974.53	52.05	52.48	0.43	3922.42
MW - 4	3/12/2008 #1	3974.53	52.05	52.48	0.43	3922.42
MW - 4	3/12/08 #2	3974.53	52.11	52.21	0.10	3922.41
MW - 4	3/20/2008 #1	3974.53	52.06	52.47	0.41	3922.41
MW - 4	3/20/08 #2	3974.53	52.11	52.13	0.02	3922.42
MW - 4	3/23/08 #1	3974.53	52.06	52.47	0.41	3922.41
MW - 4	3/23/08 #2	3974.53	52.11	52.22	0.11	3922.40
MW - 4	4/2/08 #1	3974.53	52.07	52.45	0.38	3922.40
MW - 4	4/2/08 #2	3974.53	52.09	52.26	0.17	3922.41
MW - 4	4/9/08 #1	3974.53	52.05	52.45	0.40	3922.42
MW - 4	4/9/08 #2	3974.53	52.09	52.26	0.17	3922.41
MW - 4	04/16/08	3974.53	52.06	52.42	0.36	3922.42
MW - 4	04/23/08	3974.53	52.05	52.45	0.40	3922.42
MW - 4	04/30/08	3974.53	52.05	52.41	0.36	3922.43
MW - 4	05/29/08	3974.53	52.05	52.38	0.33	3922.43
MW - 4	06/02/08	3974.53	52.03	52.35	0.32	3922.45
MW - 4	06/03/08	3974.53	52.03	52.35	0.32	3922.45
MW - 4	06/11/08	3974.53	52.03	52.38	0.35	3922.45
MW - 4	06/18/08	3974.53	52.04	52.38	0.34	3922.44
MW - 4	06/23/08	3974.53	52.03	52.36	0.33	3922.45
MW - 4	07/01/08	3974.53	52.05	52.38	0.33	3922.43
MW - 4	07/09/08	3974.53	52.05	52.39	0.34	3922.43
MW - 4	07/15/08	3974.53	52.03	52.37	0.34	3922.45
MW - 4	07/22/08	3974.53	52.03	52.35	0.32	3922.45
MW - 4	08/02/08	3974.53	52.02	52.38	0.36	3922.46

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	08/13/08	3974.53	52.02	52.55	0.53	3922.43
MW - 4	09/03/08	3974.53	52.02	52.38	0.36	3922.46
MW - 4	09/11/08	3974.53	52.03	52.38	0.35	3922.45
MW - 4	09/19/08	3974.53	52.01	52.33	0.32	3922.47
MW - 4	09/26/08	3974.53	52.02	52.33	0.31	3922.46
MW - 4	10/10/08	3974.53	52.02	52.33	0.31	3922.46
MW - 4	10/17/08	3974.53	52.02	52.29	0.27	3922.47
MW - 4	10/21/08	3974.53	52.04	52.30	0.26	3922.45
MW - 4	10/30/08	3974.53	52.02	52.30	0.28	3922.47
MW - 4	11/04/08	3974.53	52.02	52.32	0.30	3922.47
MW - 4	11/18/08	3974.53	52.04	52.30	0.26	3922.45
MW - 4	11/25/08	3974.53	52.05	52.29	0.24	3922.44
MW - 4	12/10/08	3974.53	52.03	52.32	0.29	3922.46
MW - 4	12/18/08	3974.53	52.03	52.30	0.27	3922.46
MW - 4	01/06/09	3974.53	52.03	52.35	0.32	3922.45
MW - 4	01/14/09	3974.53	52.09	52.29	0.20	3922.41
MW - 4	01/21/09	3974.53	52.08	52.25	0.17	3922.42
MW - 4	01/22/09	3974.53	52.03	53.33	1.30	3922.31
MW - 4	01/30/09	3974.53	52.01	52.25	0.24	3922.48
MW - 4	02/03/09	3974.53	52.00	52.25	0.25	3922.49
MW - 4	02/12/09	3974.53	51.99	52.30	0.31	3922.49
MW - 4	02/19/09	3974.53	52.00	52.29	0.29	3922.49
MW - 4	03/04/09	3974.53	52.07	52.33	0.26	3922.42
MW - 4	03/06/09	3974.53	52.01	52.28	0.27	3922.48
MW - 4	03/11/09	3974.53	52.02	52.28	0.26	3922.47
MW - 4	03/16/09	3974.53	52.11	52.35	0.24	3922.38
MW - 4	03/19/09	3974.53	52.01	52.26	0.25	3922.48
MW - 4	03/24/09	3974.53	51.98	52.05	0.07	3922.54
MW - 4	04/03/09	3974.53	51.99	52.20	0.21	3922.51
MW - 4	04/15/09	3974.53	52.02	52.12	0.10	3922.50
MW - 4	04/17/09	3974.53	52.03	52.11	0.08	3922.49
MW - 4	04/21/09	3974.53	51.96	52.19	0.23	3922.54
MW - 4	04/29/09	3974.53	52.01	52.12	0.11	3922.50
MW - 4	05/20/09	3974.53	51.99	52.11	0.12	3922.52
MW - 4	05/20/09	3974.53	51.99	52.11	0.12	3922.52
MW - 4	06/09/09	3974.53	51.98	52.11	0.13	3922.53
MW - 4	06/17/09	3974.53	51.98	52.12	0.14	3922.53
MW - 4	06/23/09	3974.53	51.95	52.17	0.22	3922.55
MW - 4	07/01/09	3974.53	51.98	52.11	0.13	3922.53
MW - 4	07/08/09	3974.53	sheen	52.12	0.00	3922.41
MW - 4	07/15/09	3974.53	sheen	52.02	0.00	3922.51
MW - 4	07/17/09	3974.53	sheen	52.05	0.00	3922.48
MW - 4	07/23/09	3974.53	52.00	52.11	0.11	3922.51

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	07/24/09	3974.53	52.00	52.10	0.10	3922.52
MW - 4	07/30/09	3974.53	52.00	52.14	0.14	3922.51
MW - 4	08/04/09	3974.53	51.98	52.10	0.12	3922.53
MW - 4	08/12/09	3974.53	51.98	52.12	0.14	3922.53
MW - 4	08/20/09	3974.53	51.99	52.10	0.11	3922.52
MW - 4	08/26/09	3974.53	sheen	52.13	0.00	3922.40
MW - 4	09/02/09	3974.53	sheen	52.01	0.00	3922.52
MW - 4	09/09/09	3974.53	sheen	52.02	0.00	3922.51
MW - 4	09/14/09	3974.53	sheen	52.02	0.00	3922.51
MW - 4	09/21/09	3974.53	sheen	52.03	0.00	3922.50
MW - 4	10/01/09	3974.53	sheen	52.04	0.00	3922.49
MW - 4	10/08/09	3974.53	sheen	52.04	0.00	3922.49
MW - 4	10/14/09	3974.53	sheen	52.03	0.00	3922.50
MW - 4	10/21/09	3974.53	sheen	52.05	0.00	3922.48
MW - 4	10/28/09	3974.53	sheen	52.02	0.00	3922.51
MW - 4	11/04/09	3974.53	sheen	52.01	0.00	3922.52
MW - 4	11/11/09	3974.53	sheen	52.00	0.00	3922.53
MW - 4	11/18/09	3974.53	sheen	52.00	0.00	3922.53
MW - 4	11/25/09	3974.53	sheen	52.01	0.00	3922.52
MW - 4	12/02/09	3974.53	sheen	52.02	0.00	3922.51
MW - 4	12/10/09	3974.53	sheen	52.02	0.00	3922.51
MW - 4	12/17/09	3974.53	sheen	52.06	0.00	3922.47
MW - 4	12/21/09	3974.53	sheen	51.99	0.00	3922.54
MW - 4	12/30/09	3974.53	sheen	52.09	0.00	3922.44
MW - 4	01/07/10	3974.53	sheen	52.00	0.00	3922.53
MW - 4	01/18/10	3974.53	sheen	52.02	0.00	3922.51
MW - 4	02/02/10	3974.53	sheen	52.02	0.00	3922.51
MW - 4	02/11/10	3974.53	sheen	52.01	0.00	3922.52
MW - 4	02/18/10	3974.53	sheen	51.99	0.00	3922.54
MW - 4	02/25/10	3974.53	sheen	52.02	0.00	3922.51
MW - 4	03/02/10	3974.53	sheen	52.09	0.00	3922.44
MW - 4	03/04/10	3974.53	sheen	51.92	0.00	3922.61
MW - 4	03/10/10	3974.53	sheen	51.99	0.00	3922.54
MW - 4	03/12/10	3974.53	sheen	52.05	0.00	3922.48
MW - 4	03/15/10	3974.53	sheen	51.99	0.00	3922.54
MW - 4	03/18/10	3974.53	sheen	52.00	0.00	3922.53
MW - 4	03/22/10	3974.53	-	52.05	0.00	3922.48
MW - 4	03/24/10	3974.53	-	52.08	0.00	3922.45
MW - 4	03/30/10	3974.53	sheen	52.04	0.00	3922.49
MW - 4	04/07/10	3974.53	sheen	52.07	0.00	3922.46
MW - 4	04/12/10	3974.53	sheen	51.98	0.00	3922.55
MW - 4	04/16/10	3974.53	sheen	52.29	0.00	3922.24
MW - 4	04/20/10	3974.53	-	52.18	0.00	3922.35

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	04/27/10	3974.53	sheen	52.24	0.00	3922.29
MW - 4	04/30/10	3974.53	-	52.17	0.00	3922.36
MW - 4	05/12/10	3974.53	sheen	52.23	0.00	3922.30
MW - 4	05/14/10	3974.53	-	52.18	0.00	3922.35
MW - 4	05/17/10	3974.53	-	52.37	0.00	3922.16
MW - 4	05/20/10	3974.53	sheen	52.25	0.00	3922.28
MW - 4	05/25/10	3974.53	sheen	52.10	0.00	3922.43
MW - 4	06/01/10	3974.53	sheen	52.09	0.00	3922.44
MW - 4	06/09/10	3974.53	sheen	52.07	0.00	3922.46
MW - 4	06/16/10	3974.53	sheen	52.05	0.00	3922.48
MW - 4	06/28/10	3974.53	52.15	52.16	0.01	3922.38
MW - 4	07/09/10	3974.53	sheen	52.07	0.00	3922.46
MW - 4	07/14/10	3974.53	sheen	51.96	0.00	3922.57
MW - 4	07/23/10	3974.53	sheen	51.95	0.00	3922.58
MW - 4	07/29/10	3974.53	sheen	51.94	0.00	3922.59
MW - 4	08/05/10	3974.53	sheen	51.95	0.00	3922.58
MW - 4	08/12/10	3974.53	sheen	51.97	0.00	3922.56
MW - 4	08/16/10	3974.53	sheen	51.97	0.00	3922.56
MW - 4	08/18/10	3974.53	sheen	51.95	0.00	3922.58
MW - 4	08/25/10	3974.53	sheen	52.03	0.00	3922.50
MW - 4	09/09/10	3974.53	sheen	51.95	0.00	3922.58
MW - 4	09/30/10	3974.53	sheen	51.95	0.00	3922.58
MW - 4	10/07/10	3974.53	sheen	52.00	0.00	3922.53
MW - 4	10/14/10	3974.53	sheen	52.19	0.00	3922.34
MW - 4	10/21/10	3974.53	sheen	52.21	0.00	3922.32
MW - 4	11/04/10	3974.53	sheen	52.02	0.00	3922.51
MW - 4	11/10/10	3974.53	sheen	52.27	0.00	3922.26
MW - 4	12/01/10	3974.53	sheen	51.99	0.00	3922.54
MW - 4	12/08/10	3974.53	sheen	52.13	0.00	3922.40
MW - 4	01/26/11	3974.53	-	51.99	0.00	3922.54
MW - 4	02/28/11	3974.53	-	52.24	0.00	3922.29
MW - 4	03/04/11	3974.53	-	52.00	0.00	3922.53
MW - 4	03/09/11	3974.53	52.09	52.11	0.02	3922.44
MW - 4	04/28/11	3974.53	-	52.03	0.00	3922.50
MW - 4	05/04/11	3974.53	-	52.02	0.00	3922.51
MW - 4	05/11/11	3974.53	-	52.10	0.00	3922.43
MW - 4	05/12/11	3974.53	-	51.97	0.00	3922.56
MW - 4	05/18/11	3974.53	-	52.02	0.00	3922.51
MW - 4	05/23/11	3974.53	-	52.07	0.00	3922.46
MW - 4	06/08/11	3974.53	-	52.07	0.00	3922.46
MW - 4	06/16/11	3974.53	-	52.05	0.00	3922.48
MW - 4	06/22/11	3974.53	-	52.03	0.00	3922.50
MW - 4	06/30/11	3974.53	-	52.02	0.00	3922.51

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	07/06/11	3974.53	-	51.97	0.00	3922.56
MW - 4	07/13/11	3974.53	-	52.14	0.00	3922.39
MW - 4	07/15/11	3974.53	-	52.02	0.00	3922.51
MW - 4	07/19/11	3974.53	-	52.01	0.00	3922.52
MW - 4	07/21/11	3974.53	-	51.96	0.00	3922.57
MW - 4	07/26/11	3974.53	-	51.98	0.00	3922.55
MW - 4	07/28/11	3974.53	-	51.95	0.00	3922.58
MW - 4	08/02/11	3974.53	-	52.12	0.00	3922.41
MW - 4	08/09/11	3974.53	-	51.93	0.00	3922.60
MW - 4	08/12/11	3974.53	-	51.99	0.00	3922.54
MW - 4	08/15/11	3974.53	-	51.99	0.00	3922.54
MW - 4	08/16/11	3974.53	-	52.10	0.00	3922.43
MW - 4	08/19/11	3974.53	-	52.12	0.00	3922.41
MW - 4	08/23/11	3974.53	-	52.09	0.00	3922.44
MW - 4	08/26/11	3974.53	-	52.12	0.00	3922.41
MW - 4	08/30/11	3974.53	-	52.06	0.00	3922.47
MW - 4	09/01/11	3974.53	-	52.09	0.00	3922.44
MW - 4	09/08/11	3974.53	-	52.14	0.00	3922.39
MW - 4	09/13/11	3974.53	-	52.09	0.00	3922.44
MW - 4	09/15/11	3974.53	-	52.14	0.00	3922.39
MW - 4	09/22/11	3974.53	-	51.98	0.00	3922.55
MW - 4	10/06/11	3974.53	-	51.98	0.00	3922.55
MW - 4	10/11/11	3974.53	-	52.06	0.00	3922.47
MW - 4	10/13/11	3974.53	-	52.16	0.00	3922.37
MW - 4	10/26/11	3974.53	-	52.09	0.00	3922.44
MW - 4	11/22/11	3974.53	-	52.12	0.00	3922.41
MW - 4	12/02/11	3974.53	-	52.03	0.00	3922.50
MW - 4	12/29/11	3974.53	-	51.98	0.00	3922.55
MW - 4	01/26/12	3974.53	-	52.06	0.00	3922.47
MW - 4	01/31/12	3974.53	-	52.72	0.00	3921.81
MW - 4	02/15/12	3974.53	-	51.97	0.00	3922.56
MW - 4	02/28/12	3974.53	-	52.02	0.00	3922.51
MW - 4	03/20/12	3974.53	52.03	52.11	0.08	3922.49
MW - 4	03/27/12	3974.53	52.03	52.05	0.02	3922.50
MW - 4	04/10/12	3974.53	52.04	52.13	0.09	3922.48
MW - 4	04/19/12	3974.53	-	52.06	0.00	3922.47
MW - 4	04/26/12	3974.53	-	51.98	0.00	3922.55
MW - 4	05/08/12	3974.53	-	51.99	0.00	3922.54
MW - 4	05/15/12	3974.53	-	51.99	0.00	3922.54
MW - 4	05/17/12	3974.53	-	51.97	0.00	3922.56
MW - 4	06/05/12	3974.53	-	52.07	0.00	3922.46
MW - 4	06/21/12	3974.53	-	52.18	0.00	3922.35
MW - 4	06/28/12	3974.53	-	52.24	0.00	3922.29

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	07/17/12	3974.53	-	53.08	0.00	3921.45
MW - 4	08/01/12	3974.53	-	52.08	0.00	3922.45
MW - 4	10/02/12	3974.53	52.14	52.19	0.05	3922.38
MW - 4	10/09/12	3974.53	-	52.16	0.00	3922.37
MW - 4	10/16/12	3974.53	52.12	52.13	0.01	3922.41
MW - 4	10/25/12	3974.53	-	52.16	0.00	3922.37
MW - 4	10/30/12	3974.53	-	52.14	0.00	3922.39
MW - 4	11/29/12	3974.53	-	52.22	0.00	3922.31
MW - 4	12/14/12	3974.53	52.18	52.19	0.01	3922.35
MW - 4	02/11/13	3974.53	-	52.15	0.00	3922.38
MW - 4	04/11/13	3974.53	-	52.35	0.00	3922.18
MW - 4	04/15/13	3974.53	-	52.32	0.00	3922.21
MW - 4	04/22/13	3974.53	52.13	52.15	0.02	3922.40
MW - 4	05/06/13	3974.53	52.15	52.18	0.03	3922.38
MW - 4	05/09/13	3974.53	-	52.15	0.00	3922.38
MW - 4	05/20/13	3974.53	-	52.17	0.00	3922.36
MW - 4	05/24/13	3974.53	-	52.31	0.00	3922.22
MW - 4	05/29/13	3974.53	-	52.35	0.00	3922.18
MW - 4	05/31/13	3974.53	-	52.24	0.00	3922.29
MW - 4	06/07/13	3974.53	52.39	52.40	0.01	3922.14
MW - 4	06/12/13	3974.53	-	52.36	0.00	3922.17
MW - 4	06/14/13	3974.53	-	52.33	0.00	3922.20
MW - 4	06/19/13	3974.53	-	52.45	0.00	3922.08
MW - 4	06/21/13	3974.53	-	52.39	0.00	3922.14
MW - 4	06/25/13	3974.53	-	52.16	0.00	3922.37
MW - 4	06/26/13	3974.53	-	52.34	0.00	3922.19
MW - 4	07/03/13	3974.53	52.38	52.39	0.01	3922.15
MW - 4	07/09/13	3974.53	52.39	52.43	0.04	3922.13
MW - 4	07/11/13	3974.53	-	52.38	0.00	3922.15
MW - 4	07/24/13	3974.53	-	52.35	0.00	3922.18
MW - 4	07/26/13	3974.53	-	52.34	0.00	3922.19
MW - 4	07/31/13	3974.53	-	52.25	0.00	3922.28
MW - 4	08/02/13	3974.53	-	52.33	0.00	3922.20
MW - 4	08/06/13	3974.53	-	52.26	0.00	3922.27
MW - 4	08/14/13	3974.53	-	52.28	0.00	3922.25
MW - 4	08/21/13	3974.53	-	52.37	0.00	3922.16
MW - 4	08/26/13	3974.53	-	52.36	0.00	3922.17
MW - 4	09/06/13	3974.53	-	52.35	0.00	3922.18
MW - 4	08/30/13	3974.53	-	52.30	0.00	3922.23
MW - 4	09/13/13	3974.53	-	52.30	0.00	3922.23
MW - 4	09/27/13	3974.53	-	52.36	0.00	3922.17
MW - 4	09/30/13	3974.53	-	52.35	0.00	3922.18
MW - 4	10/02/13	3974.53	-	52.44	0.00	3922.09

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	10/03/13	3974.53	-	52.33	0.00	3922.20
MW - 4	10/11/13	3974.53	-	52.26	0.00	3922.27
MW - 4	10/17/13	3974.53	-	52.28	0.00	3922.25
MW - 4	10/22/13	3974.53	-	52.28	0.00	3922.25
MW - 4	10/24/13	3974.53	-	52.41	0.00	3922.12
MW - 4	10/30/13	3974.53	-	52.36	0.00	3922.17
MW - 4	11/01/13	3974.53	-	52.27	0.00	3922.26
MW - 4	11/04/13	3974.53	-	52.30	0.00	3922.23
MW - 4	11/08/13	3974.53	-	52.40	0.00	3922.13
MW - 4	11/13/13	3974.53	-	52.28	0.00	3922.25
MW - 4	11/15/13	3974.53	-	52.28	0.00	3922.25
MW - 4	11/19/13	3974.53	-	52.33	0.00	3922.20
MW - 4	12/08/13	3974.53	52.28	52.31	0.03	3922.25
MW - 4	12/12/13	3974.53	-	52.30	0.00	3922.23
MW - 4	12/16/13	3974.53	52.31	52.32	0.01	3922.22
MW - 4	12/18/13	3974.53	-	52.35	0.00	3922.18
MW - 4	12/23/13	3974.53	-	52.35	0.00	3922.18
MW - 4	12/30/13	3974.53	-	52.33	0.00	3922.20
MW - 4	01/01/14	3974.53	-	52.31	0.00	3922.22
MW - 4	01/06/14	3974.53	-	52.30	0.00	3922.23
MW - 4	01/15/14	3974.53	-	52.42	0.00	3922.11
MW - 4	01/17/14	3974.53	-	52.31	0.00	3922.22
MW - 4	01/20/14	3974.53	-	52.45	0.00	3922.08
MW - 4	01/22/14	3974.53	-	52.47	0.00	3922.06
MW - 4	01/29/14	3974.53	-	52.34	0.00	3922.19
MW - 4	02/04/14	3974.53	-	52.32	0.00	3922.21
MW - 4	02/13/14	3974.53	-	52.36	0.00	3922.17
MW - 4	02/21/14	3974.53	-	52.47	0.00	3922.06
MW - 4	02/26/14	3974.53	52.59	53.03	0.44	3921.87
MW - 4	03/12/14	3974.53	-	52.42	0.00	3922.11
MW - 4	03/14/14	3974.53	-	52.43	0.00	3922.10
MW - 4	03/17/14	3974.53	-	52.41	0.00	3922.12
MW - 4	03/24/14	3974.53	-	52.35	0.00	3922.18
MW - 4	03/26/14	3974.53	-	52.39	0.00	3922.14
MW - 4	04/09/14	3974.53	-	51.28	0.00	3923.25
MW - 4	04/18/14	3974.53	52.28	52.30	0.02	3922.25
MW - 4	04/21/14	3974.53	-	52.28	0.00	3922.25
MW - 4	04/28/14	3974.53	52.29	52.30	0.01	3922.24
MW - 4	05/09/14	3974.53	52.32	52.47	0.15	3922.19
MW - 4	05/12/14	3974.53	52.36	52.42	0.06	3922.16
MW - 4	05/19/14	3974.53	52.31	52.35	0.04	3922.21
MW - 4	05/28/14	3974.53	52.37	52.40	0.03	3922.16
MW - 4	06/04/14	3974.53	52.33	52.40	0.07	3922.19

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	06/13/14	3974.53	52.42	52.49	0.07	3922.10
MW - 4	06/16/14	3974.53	52.31	52.34	0.03	3922.22
MW - 4	07/02/14	3974.53	52.33	52.41	0.08	3922.19
MW - 4	07/07/14	3974.53	-	52.36	0.00	3922.17
MW - 4	07/18/14	3974.53	-	52.58	0.00	3921.95
MW - 4	07/30/14	3974.53	52.38	52.40	0.02	3922.15
MW - 4	08/11/14	3974.53	52.40	52.43	0.03	3922.13
MW - 4	08/22/14	3974.53	52.40	52.47	0.07	3922.12
MW - 4	08/23/14	3974.53	52.40	52.47	0.07	3922.12
MW - 4	09/10/14	3974.53	52.45	52.56	0.11	3922.06
MW - 4	09/23/14	3974.53	52.46	52.58	0.12	3922.05
MW - 4	09/25/14	3974.53	52.65	52.68	0.03	3921.88
MW - 4	10/03/14	3974.53	52.46	52.51	0.05	3922.06
MW - 4	10/15/14	3974.53	52.49	52.54	0.05	3922.03
MW - 4	10/17/14	3974.53	52.58	52.64	0.06	3921.94
MW - 4	10/24/14	3974.53	52.56	52.59	0.03	3921.97
MW - 4	10/27/14	3974.53	52.54	52.58	0.04	3921.98
MW - 4	10/31/14	3974.53	52.40	52.42	0.02	3922.13
MW - 4	11/03/14	3974.53	52.53	52.59	0.06	3921.99
MW - 4	11/10/14	3974.53	52.40	52.46	0.06	3922.12
MW - 4	11/14/14	3974.53	52.38	52.44	0.06	3922.14
MW - 4	11/17/14	3974.53	-	52.40	0.00	3922.13
MW - 4	11/18/14	3974.53	52.40	52.44	0.04	3922.12
MW - 4	11/21/14	3974.53	52.39	52.46	0.07	3922.13
MW - 4	12/03/14	3974.53	52.38	52.49	0.11	3922.13
MW - 4	12/05/14	3974.53	52.40	52.44	0.04	3922.12
MW - 4	12/12/14	3974.53	52.41	52.51	0.10	3922.11
MW - 4	12/15/14	3974.53	52.41	52.51	0.10	3922.11
MW - 4	12/19/14	3974.53	51.97	52.08	0.11	3922.54
MW - 4	12/22/14	3974.53	51.95	52.04	0.09	3922.57
MW - 4	01/05/15	3974.53	51.91	52.06	0.15	3922.60
MW - 4	01/09/15	3974.53	52.35	52.52	0.17	3922.15
MW - 4	01/14/15	3974.53	52.35	52.54	0.19	3922.15
MW - 4	01/21/15	3974.53	51.92	52.08	0.16	3922.59
MW - 4	02/18/15	3974.53	52.40	52.73	0.33	3922.08
MW - 4	02/19/15	3974.53	52.35	52.49	0.14	3922.16
MW - 4	03/09/15	3974.53	51.92	52.09	0.17	3922.58
MW - 4	03/11/15	3974.53	52.33	52.57	0.24	3922.16
MW - 4	03/18/15	3974.53	52.31	52.57	0.26	3922.18
MW - 4	03/31/15	3974.53	51.94	52.06	0.12	3922.57
MW - 4	04/09/15	3974.53	52.28	52.59	0.31	3922.20
MW - 4	04/15/15	3974.53	52.27	52.60	0.33	3922.21
MW - 4	04/22/15	3974.53	52.28	52.65	0.37	3922.19

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	05/12/15	3974.53	52.31	52.59	0.28	3922.18
MW - 4	05/26/15	3974.53	51.93	52.07	0.14	3922.58
MW - 4	06/01/15	3974.53	52.30	52.58	0.28	3922.19
MW - 4	06/04/15	3974.53	52.32	52.59	0.27	3922.17
MW - 4	06/22/15	3974.53	52.42	52.80	0.38	3922.05
MW - 4	06/26/15	3974.53	52.42	52.77	0.35	3922.06
MW - 4	07/22/15	3974.53	52.27	52.53	0.26	3922.22
MW - 4	07/27/15	3974.53	52.43	52.73	0.30	3922.06
MW - 4	08/18/15	3974.53	52.32	52.56	0.24	3922.17
MW - 4	09/09/15	3974.53	52.49	52.87	0.38	3921.98
MW - 4	09/30/15	3974.53	52.56	53.00	0.44	3921.90
MW - 4	10/08/15	3974.53	52.48	52.64	0.16	3922.03
MW - 4	10/16/15	3974.53	52.54	52.76	0.22	3921.96
MW - 4	10/21/15	3974.53	52.40	52.55	0.15	3922.11
MW - 4	11/18/15	3974.53	52.54	52.65	0.11	3921.97
MW - 4	11/23/15	3974.53	52.40	52.58	0.18	3922.10
MW - 4	12/04/15	3974.60	52.36	52.55	0.19	3922.21
MW - 4	12/09/15	3974.53	52.55	52.85	0.30	3921.94
MW - 4	01/12/16	3974.53	52.41	52.63	0.22	3922.09
MW - 4	01/22/16	3974.53	52.39	52.60	0.21	3922.11
MW - 4	01/25/16	3974.53	52.45	52.50	0.05	3922.07
MW - 4	02/12/16	3974.53	52.47	52.75	0.28	3922.02
MW - 4	02/17/16	3974.53	52.43	52.61	0.18	3922.07
MW - 4	02/24/16	3974.53	52.37	52.54	0.17	3922.13
MW - 4	03/09/16	3974.53	52.47	52.74	0.27	3922.02
MW - 4	03/30/16	3974.53	52.46	52.66	0.20	3922.04
MW - 4	04/13/16	3974.53	52.40	52.65	0.25	3922.09
MW - 4	04/27/16	3974.53	52.48	52.50	0.02	3922.05
MW - 4	05/11/16	3974.53	52.47	52.48	0.01	3922.06
MW - 4	06/03/16	3974.53	52.49	52.60	0.11	3922.02
MW - 4	06/13/16	3974.53	52.42	52.45	0.03	3922.11
MW - 4	07/01/16	3974.53	52.50	52.59	0.09	3922.02
MW - 4	07/08/16	3974.53	52.52	52.59	0.07	3922.00
MW - 4	07/12/16	3974.53	52.10	52.50	0.40	3922.37
MW - 4	07/18/16	3974.53	52.49	52.54	0.05	3922.03
MW - 4	08/02/16	3974.53	52.50	52.55	0.05	3922.02
MW - 4	08/12/16	3974.53	-	52.59	0.00	3921.94
MW - 4	08/17/16	3974.53	-	52.53	0.00	3922.00
MW - 4	09/21/16	3974.53	-	52.53	0.00	3922.00
MW - 4	10/21/16	3974.53	-	52.49	0.00	3922.04
MW - 4	10/24/16	3974.53	-	52.67	0.00	3921.86
MW - 4	10/26/16	3974.53	-	52.60	0.00	3921.93
MW - 4	10/31/16	3974.53	-	52.62	0.00	3921.91

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	11/21/16	3974.53	-	52.49	0.00	3922.04
MW - 4	11/28/16	3974.53	-	52.47	0.00	3922.06
MW - 4	12/07/16	3974.53	-	52.55	0.00	3921.98
MW - 4	12/21/16	3974.53	-	52.46	0.00	3922.07
MW - 4	01/04/17	3974.53	-	52.45	0.00	3922.08
MW - 4	01/12/17	3974.53	-	52.46	0.00	3922.07
MW - 4	01/26/17	3974.53	-	52.57	0.00	3921.96
MW - 4	02/07/17	3974.53	-	52.50	0.00	3922.03
MW - 4	02/21/17	3974.53	-	52.45	0.00	3922.08
MW - 4	02/23/17	3974.53	-	52.44	0.00	3922.09
MW - 4	03/08/17	3974.53	-	52.55	0.00	3921.98
MW - 4	04/07/17	3974.53	52.43	52.45	0.02	3922.10
MW - 4	04/18/17	3974.53	52.44	52.46	0.02	3922.09
MW - 4	05/10/17	3974.53	52.48	52.69	0.21	3922.02
MW - 4	05/24/17	3974.53	52.39	52.59	0.20	3922.11
MW - 4	06/02/17	3974.53	52.39	52.63	0.24	3922.10
MW - 4	07/12/17	3974.53	52.45	52.88	0.43	3922.02
MW - 4	07/19/17	3974.53	52.44	52.83	0.39	3922.03
MW - 4	07/27/17	3974.53	52.42	52.81	0.39	3922.05
MW - 4	08/11/17	3974.53	52.47	52.83	0.36	3922.01
MW - 4	08/24/17	3974.53	52.44	52.91	0.47	3922.02
MW - 4	09/05/17	3974.53	52.45	52.96	0.51	3922.00
MW - 4	10/18/17	3974.53	52.52	53.08	0.56	3921.93
MW - 4	10/25/17	3974.53	52.51	53.98	1.47	3921.80
MW - 4	11/01/17	3974.53	52.51	53.97	1.46	3921.80
MW - 4	11/08/17	3974.53	-	52.48	0.00	3922.05
MW - 4	11/28/17	3974.53	52.49	52.93	0.44	3921.97
MW - 4	12/19/17	3974.53	52.48	52.93	0.45	3921.98
MW - 4	01/16/18	3974.53	52.51	52.89	0.38	3921.96
MW - 4	01/30/18	3974.53	52.49	52.81	0.32	3921.99
MW - 4	02/06/18	3974.53	52.56	52.78	0.22	3921.94
MW - 4	02/13/18	3974.53	52.57	52.81	0.24	3921.92
MW - 4	02/26/18	3974.53	52.50	52.69	0.19	3922.00
MW - 4	04/03/18	3974.53	52.47	52.76	0.29	3922.02
MW - 4	04/17/18	3974.53	52.47	52.86	0.39	3922.00
MW - 4	05/07/18	3974.53	52.51	52.93	0.42	3921.96
MW - 4	06/21/18	3974.53	52.51	53.11	0.60	3921.93
MW - 4	06/26/18	3974.53	52.48	53.07	0.59	3921.96
MW - 4	07/12/18	3974.53	52.52	52.94	0.42	3921.95
MW - 4	07/17/18	3974.53	52.53	52.96	0.43	3921.94
MW - 4	08/01/18	3974.53	52.56	52.88	0.32	3921.92
MW - 4	08/09/18	3974.53	52.57	52.82	0.25	3921.92
MW - 4	08/23/18	3974.53	52.59	52.88	0.29	3921.90

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	08/30/18	3974.53	52.62	52.78	0.16	3921.89
MW - 4	08/31/18	3974.53	52.61	52.83	0.22	3921.89
MW - 4	09/11/18	3974.53	52.61	52.74	0.13	3921.90
MW - 4	09/19/18	3974.53	52.63	52.76	0.13	3921.88
MW - 4	11/01/18	3974.53	52.66	52.73	0.07	3921.86
MW - 4	11/05/18	3974.53	52.63	52.68	0.05	3921.89
MW - 4	10/16/18	3974.53	52.63	52.80	0.17	-
MW - 4	11/14/18	3974.53	52.64	52.68	0.04	3921.88
MW - 4	12/04/18	3974.53	52.64	52.84	0.20	3921.86
MW - 4	12/06/18	3974.53	52.63	52.80	0.17	3921.87
MW - 4	12/18/18	3974.53	52.66	52.75	0.09	3921.86
MW - 4	12/20/18	3974.53	52.65	52.83	0.18	3921.85
MW - 4	12/26/18	3974.53	-	52.66	0.00	3921.87
MW - 4	01/08/19	3974.53	-	52.67	0.00	3921.86
MW - 4	01/10/19	3974.53	-	52.65	0.00	3921.88
MW - 4	01/15/19	3974.53	-	52.69	0.00	3921.84
MW - 4	01/24/19	3974.53	-	52.93	0.00	3921.60
MW - 4	02/11/19	3974.53	-	52.71	0.00	3921.82
MW - 4	02/18/19	3974.53	-	52.72	0.00	3921.81
MW - 4	04/16/19	3974.53	-	52.98	0.00	3921.55
MW - 4	04/23/19	3974.53	-	52.75	0.00	3921.78
MW - 4	04/30/19	3974.53	52.65	52.68	0.03	3921.88
MW - 4	05/07/19	3974.53	-	52.64	0.00	3921.89
MW - 4	05/09/19	3974.53	-	52.70	0.00	3921.83
MW - 4	05/14/19	3974.53	-	52.61	0.00	3921.92
MW - 4	06/04/19	3974.53	-	53.01	0.00	3921.52
MW - 4	06/11/19	3974.53	-	53.05	0.00	3921.48
MW - 4	06/13/19	3974.53	-	53.43	0.00	3921.10
MW - 4	06/17/19	3974.53	-	53.36	0.00	3921.17
MW - 4	07/01/19	3974.53	-	52.74	0.00	3921.79
MW - 4	07/02/19	3974.53	-	52.68	0.00	3921.85
MW - 4	08/19/19	3974.53	-	52.87	0.00	3921.66
MW - 4	08/29/19	3974.53	-	52.80	0.00	3921.73
MW - 4	09/03/19	3974.53	-	52.86	0.00	3921.67
MW - 4	09/10/19	3974.53	-	53.02	0.00	3921.51
MW - 4	10/01/19	3974.53	-	52.86	0.00	3921.67
MW - 4	10/22/19	3974.53	-	53.13	0.00	3921.40
MW - 4	11/11/19	3974.53	-	53.12	0.00	3921.41
MW - 4	11/15/19	3974.53	52.80	52.96	0.16	3921.71
MW - 5	03/02/00	3974.28	52.09	55.50	3.41	3921.68
MW - 5	04/25/00	3974.28	52.04	55.59	3.55	3921.71
MW - 5	09/06/00	3974.28	52.11	55.48	3.37	3921.66

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	11/28/00	3974.28	52.21	55.46	3.25	3921.58
MW - 5	02/21/01	3974.28	52.07	55.40	3.33	3921.71
MW - 5	05/31/01	3974.28	52.11	55.48	3.37	3921.66
MW - 5	08/23/01	3974.28	52.08	55.45	3.37	3921.69
MW - 5	11/21/01	3974.28	52.20	55.43	3.23	3921.60
MW - 5	02/13/02	3974.28	52.14	55.43	3.29	3921.65
MW - 5	06/12/02	3974.28	52.04	55.65	3.61	3921.70
MW - 5	08/26/02	3974.28	52.04	55.68	3.64	3921.69
MW - 5	11/08/02	3974.28	52.71	52.97	0.26	3921.53
MW - 5	11/21/02	3974.28	52.73	53.01	0.28	3921.51
MW - 5	12/27/02	3974.28	52.24	55.09	2.85	3921.61
MW - 5	01/06/03	3974.28	52.30	54.80	2.50	3921.61
MW - 5	01/08/03	3974.28	52.41	54.24	1.83	3921.60
MW - 5	01/10/03	3974.28	52.71	52.96	0.25	3921.53
MW - 5	01/13/03	3974.28	52.69	52.93	0.24	3921.55
MW - 5	02/05/03	3974.28	52.68	52.94	0.26	3921.56
MW - 5	02/26/03	3974.28	52.20	56.05	3.85	3921.50
MW - 5	03/04/03	3974.28	52.19	56.07	3.88	3921.51
MW - 5	03/12/03	3974.28	52.22	55.12	2.90	3921.63
MW - 5	03/18/03	3974.28	52.74	52.96	0.22	3921.51
MW - 5	03/25/03	3974.28	52.68	53.04	0.36	3921.55
MW - 5	03/31/03	3974.28	52.64	53.12	0.48	3921.57
MW - 5	04/09/03	3974.28	52.68	52.91	0.23	3921.57
MW - 5	04/14/03	3974.28	52.71	52.79	0.08	3921.56
MW - 5	05/07/03	3974.28	52.17	54.47	2.30	3921.77
MW - 5	05/08/03	3974.28	52.25	55.04	2.79	3921.61
MW - 5	05/13/03	3974.28	52.32	55.04	2.72	3921.55
MW - 5	05/21/03	3974.27	52.25	55.14	2.89	3921.59
MW - 5	05/27/03	3974.27	52.22	54.96	2.74	3921.64
MW - 5	05/28/03	3974.27	52.27	55.11	2.84	3921.57
MW - 5	06/03/03	3974.27	52.77	52.84	0.07	3921.49
MW - 5	06/10/03	3974.27	52.72	52.90	0.18	3921.52
MW - 5	07/01/03	3974.27	52.79	52.93	0.14	3921.46
MW - 5	07/08/03	3974.27	52.37	54.92	2.55	3921.52
MW - 5	07/29/03	3974.27	52.25	54.83	2.58	3921.63
MW - 5	08/04/03	3974.27	52.61	54.25	1.64	3921.41
MW - 5	08/18/03	3974.27	52.47	53.81	1.34	3921.60
MW - 5	08/25/03	3974.27	52.51	55.32	2.81	3921.34
MW - 5	10/01/03	3974.27	52.72	53.19	0.47	3921.48
MW - 5	10/06/03	3974.27	52.70	52.97	0.27	3921.53
MW - 5	10/08/03	3974.27	52.72	54.74	2.02	3921.25
MW - 5	10/15/03	3974.27	52.73	54.42	1.69	3921.29
MW - 5	11/12/03	3974.27	52.75	55.30	2.55	3921.14

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	11/19/03	3974.27	52.71	55.27	2.56	3921.18
MW - 5	12/01/03	3974.27	53.19	53.32	0.13	3921.06
MW - 5	12/10/03	3974.27	52.41	54.94	2.53	3921.48
MW - 5	02/05/04	3974.27	53.17	53.26	0.09	3921.09
MW - 5	02/17/04	3974.27	52.44	53.69	1.25	3921.64
MW - 5	02/25/04	3974.27	53.17	53.29	0.12	3921.08
MW - 5	03/09/04	3974.27	52.53	55.09	2.56	3921.36
MW - 5	03/16/04	3974.27	52.41	55.20	2.79	3921.44
MW - 5	03/22/04	3974.27	53.00	53.68	0.68	3921.17
MW - 5	04/07/04	3974.27	52.94	53.11	0.17	3921.30
MW - 5	04/12/04	3974.27	52.55	55.00	2.45	3921.35
MW - 5	04/19/04	3974.27	52.90	53.00	0.10	3921.36
MW - 5	05/05/04	3974.27	52.52	55.11	2.59	3921.36
MW - 5	05/11/04	3974.27	52.64	55.29	2.65	3921.23
MW - 5	06/07/04	3974.27	52.25	54.97	2.72	3921.61
MW - 5	06/15/04	3974.27	52.27	54.93	2.66	3921.60
MW - 5	06/20/04	3974.27	52.27	54.93	2.66	3921.60
MW - 5	06/21/04	3974.27	52.23	54.95	2.72	3921.63
MW - 5	06/28/04	3974.27	52.25	54.97	2.72	3921.61
MW - 5	07/08/04	3974.27	52.24	54.96	2.72	3921.62
MW - 5	07/12/04	3974.27	52.23	54.97	2.74	3921.63
MW - 5	08/12/04	3974.27	52.22	54.22	2.00	3921.75
MW - 5	08/17/04	3974.27	52.25	55.25	3.00	3921.57
MW - 5	08/26/04	3974.27	52.25	55.23	2.98	3921.57
MW - 5	09/01/04	3974.27	52.27	55.20	2.93	3921.56
MW - 5	09/03/04	3974.27	52.30	55.16	2.86	3921.54
MW - 5	09/08/04	3974.27	52.27	55.24	2.97	3921.55
MW - 5	09/14/04	3974.27	52.27	55.20	2.93	3921.56
MW - 5	09/22/04	3974.27	52.33	55.10	2.77	3921.52
MW - 5	10/01/04	3974.27	52.27	55.22	2.95	3921.56
MW - 5	10/08/04	3974.27	52.28	55.20	2.92	3921.55
MW - 5	10/15/04	3974.27	52.23	54.91	2.68	3921.64
MW - 5	10/22/04	3974.27	52.21	55.16	2.95	3921.62
MW - 5	11/12/04	3974.27	52.41	53.24	0.83	3921.74
MW - 5	11/26/04	3974.27	52.34	54.80	2.46	3921.56
MW - 5	12/02/04	3974.27	52.39	54.80	2.41	3921.52
MW - 5	12/06/04	3974.27	52.55	53.97	1.42	3921.51
MW - 5	12/13/04	3974.27	52.87	53.35	0.48	3921.33
MW - 5	12/15/04	3974.27	52.87	53.35	0.48	3921.33
MW - 5	12/27/04	3974.27	52.69	53.20	0.51	3921.50
MW - 5	01/10/05	3974.27	52.20	54.68	2.48	3921.70
MW - 5	01/18/05	3974.27	52.26	54.65	2.39	3921.65
MW - 5	01/18/05	3974.27	sheen	52.40	0.00	3921.87

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	01/25/05	3974.27	52.17	54.70	2.53	3921.72
MW - 5	01/27/05	3974.27	52.18	54.57	2.39	3921.73
MW - 5	02/01/05	3974.27	52.14	54.71	2.57	3921.74
MW - 5	02/07/05	3974.27	52.10	54.67	2.57	3921.78
MW - 5	02/11/05	3974.27	52.11	54.65	2.54	3921.78
MW - 5	02/15/05	3974.27	52.09	54.63	2.54	3921.80
MW - 5	02/22/05	3974.27	52.10	54.60	2.50	3921.80
MW - 5	02/24/05	3974.27	52.08	54.58	2.50	3921.82
MW - 5	03/03/05	3974.27	52.02	54.89	2.87	3921.82
MW - 5	03/09/05	3974.27	52.03	54.89	2.86	3921.81
MW - 5	03/22/05	3974.27	52.05	54.25	2.20	3921.89
MW - 5	03/24/05	3974.27	52.05	54.25	2.20	3921.89
MW - 5	03/31/05	3974.27	52.08	54.21	2.13	3921.87
MW - 5	06/22/05	3974.27	52.02	54.80	2.78	3921.83
MW - 5	07/21/05	3974.27	51.94	54.57	2.63	3921.94
MW - 5	08/03/05	3974.27	51.97	54.44	2.47	3921.93
MW - 5	08/30/05	3974.27	51.96	54.45	2.49	3921.94
MW - 5	09/20/05	3974.27	51.94	54.39	2.45	3921.96
MW - 5	09/28/05	3974.27	51.92	54.39	2.47	3921.98
MW - 5	10/06/05	3974.27	51.86	54.64	2.78	3921.99
MW - 5	10/13/05	3974.27	51.89	54.63	2.74	3921.97
MW - 5	10/20/05	3974.27	51.89	54.60	2.71	3921.97
MW - 5	10/26/05	3974.27	51.88	54.89	3.01	3921.94
MW - 5	11/16/05	3974.27	51.86	54.58	2.72	3922.00
MW - 5	11/23/05	3974.27	51.93	54.55	2.62	3921.95
MW - 5	12/12/05	3974.27	51.83	54.54	2.71	3922.03
MW - 5	12/16/05	3974.27	51.99	53.20	1.21	3922.10
MW - 5	12/19/05	3974.27	51.89	54.80	2.91	3921.94
MW - 5	12/29/05	3974.27	51.94	54.57	2.63	3921.94
MW - 5	01/04/06	3974.27	51.99	54.50	2.51	3921.90
MW - 5	01/10/06	3974.27	51.90	54.52	2.62	3921.98
MW - 5	01/17/06	3974.27	51.85	54.50	2.65	3922.02
MW - 5	01/26/06	3974.27	51.83	54.47	2.64	3922.04
MW - 5	01/31/06	3974.27	51.86	54.51	2.65	3922.01
MW - 5	02/07/06	3974.27	51.83	54.45	2.62	3922.05
MW - 5	02/09/06	3974.27	51.86	54.40	2.54	3922.03
MW - 5	02/13/06	3974.27	51.89	54.49	2.60	3921.99
MW - 5	02/22/06	3974.27	51.81	54.45	2.64	3922.06
MW - 5	02/28/06	3974.27	51.83	54.44	2.61	3922.05
MW - 5	03/07/06	3974.27	51.89	54.40	2.51	3922.00
MW - 5	03/15/06	3974.27	51.81	54.40	2.59	3922.07
MW - 5	03/20/06	3974.27	51.77	54.34	2.57	3922.11
MW - 5	03/22/06	3974.27	52.12	53.31	1.19	3921.97

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	03/29/06	3974.27	51.79	54.30	2.51	3922.10
MW - 5	04/11/06	3974.27	51.76	54.30	2.54	3922.13
MW - 5	04/18/06	3974.27	51.76	54.31	2.55	3922.13
MW - 5	04/25/06	3974.27	51.84	54.25	2.41	3922.07
MW - 5	05/02/06	3974.27	51.76	54.33	2.57	3922.12
MW - 5	05/09/06	3974.27	51.76	54.33	2.57	3922.12
MW - 5	05/16/06	3974.27	51.78	54.30	2.52	3922.11
MW - 5	05/23/06	3974.27	51.76	54.28	2.52	3922.13
MW - 5	05/31/06	3974.27	51.76	54.30	2.54	3922.13
MW - 5	06/06/06	3974.27	51.76	54.34	2.58	3922.12
MW - 5	06/13/06	3974.27	51.77	54.26	2.49	3922.13
MW - 5	06/20/06	3974.27	51.76	54.27	2.51	3922.13
MW - 5	06/21/06	3974.27	51.82	53.96	2.14	3922.13
MW - 5	07/06/06	3974.27	51.75	54.21	2.46	3922.15
MW - 5	07/12/06	3974.27	51.81	53.91	2.10	3922.15
MW - 5	07/20/06	3974.27	51.82	52.16	0.34	3922.40
MW - 5	07/25/06	3974.27	51.87	53.84	1.97	3922.10
MW - 5	08/01/06	3974.27	51.81	54.02	2.21	3922.13
MW - 5	08/16/06	3974.27	52.13	52.70	0.57	3922.05
MW - 5	08/23/06	3974.27	51.89	53.53	1.64	3922.13
MW - 5	08/28/06	3974.27	51.86	53.75	1.89	3922.13
MW - 5	09/12/06	3974.27	51.84	53.80	1.96	3922.14
MW - 5	09/22/06	3974.27	51.84	53.80	1.96	3922.14
MW - 5	09/27/06	3974.27	51.81	53.90	2.09	3922.15
MW - 5	10/06/06	3974.27	51.82	53.84	2.02	3922.15
MW - 5	10/10/06	3974.27	51.90	53.86	1.96	3922.08
MW - 5	10/16/06	3974.27	51.87	53.84	1.97	3922.10
MW - 5	10/26/06	3974.27	51.85	53.85	2.00	3922.12
MW - 5	11/03/06	3974.27	51.83	53.82	1.99	3922.14
MW - 5	11/09/06	3974.27	51.83	53.74	1.91	3922.15
MW - 5	11/16/06	3974.27	51.89	53.78	1.89	3922.10
MW - 5	11/22/06	3974.27	51.81	53.87	2.06	3922.15
MW - 5	12/04/06	3974.27	51.84	53.75	1.91	3922.14
MW - 5	12/08/06	3974.27	51.85	53.78	1.93	3922.13
MW - 5	12/15/06	3974.27	51.74	54.05	2.31	3922.18
MW - 5	01/05/07	3974.27	51.77	54.04	2.27	3922.16
MW - 5	01/12/07	3974.27	51.75	54.04	2.29	3922.18
MW - 5	01/18/07	3974.27	51.74	54.03	2.29	3922.19
MW - 5	01/24/07	3974.27	51.76	54.06	2.30	3922.17
MW - 5	01/29/07	3974.27	51.71	53.97	2.26	3922.22
MW - 5	02/09/07	3974.27	51.73	53.98	2.25	3922.20
MW - 5	02/16/07	3974.27	51.73	53.98	2.25	3922.20
MW - 5	02/23/07	3974.27	51.71	53.96	2.25	3922.22

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	03/02/07	3974.27	51.79	54.05	2.26	3922.14
MW - 5	03/14/07	3974.27	51.78	53.77	1.99	3922.19
MW - 5	03/26/07	3974.27	51.72	53.93	2.21	3922.22
MW - 5	04/03/07	3974.27	51.72	53.93	2.21	3922.22
MW - 5	04/09/07	3974.27	51.71	53.91	2.20	3922.23
MW - 5	04/26/07	3974.27	51.71	53.88	2.17	3922.23
MW - 5	04/30/07	3974.27	51.72	53.84	2.12	3922.23
MW - 5	05/11/07	3974.27	51.73	53.84	2.11	3922.22
MW - 5	05/16/07	3974.27	51.71	53.83	2.12	3922.24
MW - 5	05/22/07	3974.27	51.70	53.82	2.12	3922.25
MW - 5	05/29/07	3974.27	51.69	53.82	2.13	3922.26
MW - 5	06/01/07	3974.27	51.71	53.86	2.15	3922.24
MW - 5	06/08/07	3974.27	51.70	53.82	2.12	3922.25
MW - 5	06/11/07	3974.27	51.71	53.80	2.09	3922.25
MW - 5	06/20/07	3974.27	51.70	53.80	2.10	3922.26
MW - 5	07/10/07	3974.27	51.69	53.78	2.09	3922.27
MW - 5	07/20/07	3974.27	51.69	53.76	2.07	3922.27
MW - 5	07/25/07	3974.27	51.68	53.75	2.07	3922.28
MW - 5	08/01/07	3974.27	51.68	53.71	2.03	3922.29
MW - 5	08/10/07	3974.27	51.69	53.74	2.05	3922.27
MW - 5	08/15/07	3974.27	51.68	53.71	2.03	3922.29
MW - 5	08/30/07	3974.27	51.69	53.71	2.02	3922.28
MW - 5	08/31/07	3974.27	51.69	53.71	2.02	3922.28
MW - 5	09/10/07	3974.27	51.69	53.70	2.01	3922.28
MW - 5	09/19/07	3974.27	51.67	53.68	2.01	3922.30
MW - 5	10/01/07	3974.27	52.03	52.32	0.29	3922.20
MW - 5	10/19/07	3974.27	51.89	53.04	1.15	3922.21
MW - 5	11/12/07	3974.27	51.84	52.93	1.09	3922.27
MW - 5	12/13/07	3974.27	51.93	52.74	0.81	3922.22
MW - 5	03/07/08	3974.27	51.77	52.82	1.05	3922.34
MW - 5	3/12/08 #1	3974.27	51.77	52.82	1.05	3922.34
MW - 5	3/12/08 #2	3974.27	51.82	52.50	0.68	3922.35
MW - 5	3/20/2008 #1	3974.27	51.78	52.83	1.05	3922.33
MW - 5	3/20/08 #2	3974.27	51.81	52.57	0.76	3922.35
MW - 5	3/23/08 #1	3974.27	51.84	52.88	1.04	3922.27
MW - 5	3/23/08 #2	3974.27	51.82	52.39	0.57	3922.36
MW - 5	4/2/08 #1	3974.27	51.79	52.99	1.20	3922.30
MW - 5	4/2/08 #2	3974.27	51.76	52.62	0.86	3922.38
MW - 5	4/9/08 #1	3974.27	51.71	53.11	1.40	3922.35
MW - 5	4/9/08 #2	3974.27	51.79	52.65	0.86	3922.35
MW - 5	04/16/08	3974.27	51.73	52.82	1.09	3922.38
MW - 5	04/30/08	3974.27	51.78	52.97	1.19	3922.31
MW - 5	05/29/08	3974.27	51.63	53.27	1.64	3922.39

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	06/02/08	3974.27	51.63	53.22	1.59	3922.40
MW - 5	06/03/08	3974.27	51.63	53.22	1.59	3922.40
MW - 5	06/11/08	3974.27	51.62	53.25	1.63	3922.41
MW - 5	06/18/08	3974.27	51.62	53.26	1.64	3922.40
MW - 5	06/23/08	3974.27	51.63	53.23	1.60	3922.40
MW - 5	07/01/08	3974.27	51.61	53.22	1.61	3922.42
MW - 5	07/09/08	3974.27	51.65	53.26	1.61	3922.38
MW - 5	07/15/08	3974.27	51.60	53.22	1.62	3922.43
MW - 5	07/22/08	3974.27	51.63	53.21	1.58	3922.40
MW - 5	08/02/08	3974.27	51.62	53.22	1.60	3922.41
MW - 5	08/13/08	3974.27	51.62	53.21	1.59	3922.41
MW - 5	09/03/08	3974.27	51.61	53.21	1.60	3922.42
MW - 5	09/11/08	3974.27	51.61	53.20	1.59	3922.42
MW - 5	09/19/08	3974.27	51.60	53.16	1.56	3922.44
MW - 5	09/26/08	3974.27	51.60	53.16	1.56	3922.44
MW - 5	10/10/08	3974.27	51.61	53.18	1.57	3922.42
MW - 5	10/17/08	3974.27	51.61	53.13	1.52	3922.43
MW - 5	10/21/08	3974.27	51.89	53.26	1.37	3922.17
MW - 5	10/30/08	3974.27	51.60	53.11	1.51	3922.44
MW - 5	11/04/08	3974.27	51.61	53.13	1.52	3922.43
MW - 5	11/18/08	3974.27	51.61	53.10	1.49	3922.44
MW - 5	11/25/08	3974.27	51.61	53.12	1.51	3922.43
MW - 5	12/10/08	3974.27	51.59	53.13	1.54	3922.45
MW - 5	12/18/08	3974.27	51.60	53.11	1.51	3922.44
MW - 5	01/07/09	3974.27	51.62	53.16	1.54	3922.42
MW - 5	01/14/09	3974.27	51.61	53.15	1.54	3922.43
MW - 5	01/21/09	3974.27	51.98	52.05	0.07	3922.28
MW - 5	01/22/09	3974.27	51.59	53.09	1.50	3922.46
MW - 5	01/30/09	3974.27	51.60	53.05	1.45	3922.45
MW - 5	02/03/09	3974.27	51.60	53.02	1.42	3922.46
MW - 5	02/12/09	3974.27	51.58	52.02	0.44	3922.62
MW - 5	02/19/09	3974.27	52.59	52.96	0.37	3921.62
MW - 5	03/04/09	3974.27	52.65	53.02	0.37	3921.56
MW - 5	03/06/09	3974.27	51.60	53.04	1.44	3922.45
MW - 5	03/11/09	3974.27	51.60	53.02	1.42	3922.46
MW - 5	03/16/09	3974.27	52.68	53.06	0.38	3921.53
MW - 5	03/19/09	3974.27	51.60	53.01	1.41	3922.46
MW - 5	03/24/09	3974.27	51.55	52.89	1.34	3922.52
MW - 5	04/03/09	3974.27	51.58	52.70	1.12	3922.52
MW - 5	04/15/09	3974.27	51.59	52.91	1.32	3922.48
MW - 5	04/17/09	3974.27	51.61	52.83	1.22	3922.48
MW - 5	04/22/09	3974.27	51.60	52.68	1.08	3922.51
MW - 5	04/29/09	3974.27	51.61	52.96	1.35	3922.46

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	05/20/09	3974.27	51.58	52.91	1.33	3922.49
MW - 5	05/20/09	3974.27	51.58	52.91	1.33	3922.49
MW - 5	06/09/09	3974.27	51.58	52.95	1.37	3922.48
MW - 5	06/17/09	3974.27	51.59	52.97	1.38	3922.47
MW - 5	06/23/09	3974.27	51.61	52.66	1.05	3922.50
MW - 5	07/01/09	3974.27	51.58	52.96	1.38	3922.48
MW - 5	07/08/09	3974.27	51.58	52.98	1.40	3922.48
MW - 5	07/15/09	3974.27	51.58	52.92	1.34	3922.49
MW - 5	07/17/09	3974.27	51.61	52.89	1.28	3922.47
MW - 5	07/23/09	3974.27	51.59	52.95	1.36	3922.48
MW - 5	07/24/09	3974.27	51.61	52.82	1.21	3922.48
MW - 5	07/30/09	3974.27	51.59	52.95	1.36	3922.48
MW - 5	08/04/09	3974.27	51.58	52.93	1.35	3922.49
MW - 5	08/12/09	3974.27	51.58	52.94	1.36	3922.49
MW - 5	08/20/09	3974.27	51.58	52.93	1.35	3922.49
MW - 5	08/26/09	3974.27	51.55	51.92	0.37	3922.66
MW - 5	09/02/09	3974.27	51.56	52.92	1.36	3922.51
MW - 5	09/09/09	3974.27	51.72	52.92	1.20	3922.37
MW - 5	09/14/09	3974.27	51.74	53.92	2.18	3922.20
MW - 5	09/21/09	3974.27	51.92	52.98	1.06	3922.19
MW - 5	10/01/09	3974.27	51.60	52.95	1.35	3922.47
MW - 5	10/08/09	3974.27	51.60	52.94	1.34	3922.47
MW - 5	10/14/09	3974.27	51.92	52.96	1.04	3922.19
MW - 5	10/21/09	3974.27	51.57	52.89	1.32	3922.50
MW - 5	10/28/09	3974.27	51.83	52.90	1.07	3922.28
MW - 5	11/04/09	3974.27	51.56	52.86	1.30	3922.52
MW - 5	11/11/09	3974.27	51.56	52.85	1.29	3922.52
MW - 5	11/18/09	3974.27	51.55	52.86	1.31	3922.52
MW - 5	11/25/09	3974.27	51.58	52.87	1.29	3922.50
MW - 5	12/02/09	3974.27	51.57	52.88	1.31	3922.50
MW - 5	12/10/09	3974.27	51.58	52.87	1.29	3922.50
MW - 5	12/17/09	3974.27	51.62	52.89	1.27	3922.46
MW - 5	12/21/09	3974.27	52.06	52.83	0.77	3922.09
MW - 5	12/30/09	3974.27	51.66	52.84	1.18	3922.43
MW - 5	01/07/10	3974.27	51.65	52.66	1.01	3922.47
MW - 5	01/18/10	3974.27	51.57	52.66	1.09	3922.54
MW - 5	02/02/10	3974.27	51.58	52.74	1.16	3922.52
MW - 5	02/11/10	3974.27	51.56	52.73	1.17	3922.53
MW - 5	02/18/10	3974.27	51.55	52.74	1.19	3922.54
MW - 5	02/25/10	3974.27	51.60	52.80	1.20	3922.49
MW - 5	03/02/10	3974.27	51.64	52.82	1.18	3922.45
MW - 5	03/04/10	3974.27	51.57	52.09	0.52	3922.62
MW - 5	03/10/10	3974.27	51.59	52.78	1.19	3922.50

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	03/12/10	3974.27	51.61	52.86	1.25	3922.47
MW - 5	03/15/10	3974.27	51.60	52.73	1.13	3922.50
MW - 5	03/18/10	3974.27	51.59	52.73	1.14	3922.51
MW - 5	03/22/10	3974.27	51.62	52.78	1.16	3922.48
MW - 5	03/24/10	3974.27	51.63	52.76	1.13	3922.47
MW - 5	03/30/10	3974.27	51.61	52.79	1.18	3922.48
MW - 5	04/07/10	3974.27	51.64	52.79	1.15	3922.46
MW - 5	04/12/10	3974.27	51.53	52.70	1.17	3922.56
MW - 5	04/16/10	3974.27	51.96	53.95	1.99	3922.01
MW - 5	04/20/10	3974.27	51.85	53.52	1.67	3922.17
MW - 5	04/27/10	3974.27	51.98	53.60	1.62	3922.05
MW - 5	04/30/10	3974.27	51.91	53.39	1.48	3922.14
MW - 5	05/12/10	3974.27	51.91	53.50	1.59	3922.12
MW - 5	05/14/10	3974.27	51.93	53.38	1.45	3922.12
MW - 5	05/17/10	3974.27	52.08	53.39	1.31	3921.99
MW - 5	05/20/10	3974.27	51.90	53.51	1.61	3922.13
MW - 5	05/25/10	3974.27	51.86	53.12	1.26	3922.22
MW - 5	06/01/10	3974.27	51.88	53.11	1.23	3922.21
MW - 5	06/09/10	3974.27	51.88	53.12	1.24	3922.20
MW - 5	06/16/10	3974.27	51.85	52.92	1.07	3922.26
MW - 5	06/28/10	3974.27	51.63	53.78	2.15	3922.32
MW - 5	07/09/10	3974.27	51.87	52.91	1.04	3922.24
MW - 5	07/14/10	3974.27	51.58	52.40	0.82	3922.57
MW - 5	07/23/10	3974.27	51.60	52.49	0.89	3922.54
MW - 5	07/29/10	3974.27	51.59	52.40	0.81	3922.56
MW - 5	08/05/10	3974.27	51.61	52.40	0.79	3922.54
MW - 5	08/12/10	3974.27	51.62	52.42	0.80	3922.53
MW - 5	08/16/10	3974.27	51.62	52.42	0.80	3922.53
MW - 5	08/18/10	3974.27	51.59	52.45	0.86	3922.55
MW - 5	08/25/10	3974.27	51.81	52.84	1.03	3922.31
MW - 5	09/02/10	3974.27	51.81	52.88	1.07	3922.30
MW - 5	09/09/10	3974.27	51.62	52.41	0.79	3922.53
MW - 5	09/30/10	3974.27	51.61	52.36	0.75	3922.55
MW - 5	10/07/10	3974.27	51.64	52.35	0.71	3922.52
MW - 5	10/14/10	3974.27	51.88	53.49	1.61	3922.15
MW - 5	10/21/10	3974.27	51.88	53.46	1.58	3922.15
MW - 5	11/04/10	3974.27	51.86	52.77	0.91	3922.27
MW - 5	11/10/10	3974.27	51.88	53.43	1.55	3922.16
MW - 5	12/01/10	3974.27	51.70	52.44	0.74	3922.46
MW - 5	12/08/10	3974.27	51.85	52.77	0.92	3922.28
MW - 5	01/26/11	3974.27	51.59	52.51	0.92	3922.54
MW - 5	02/28/11	3974.27	51.86	53.46	1.60	3922.17
MW - 5	03/04/11	3974.27	51.66	52.44	0.78	3922.49

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	03/09/11	3974.27	51.75	53.12	1.37	3922.31
MW - 5	04/28/11	3974.27	51.74	52.91	1.17	3922.35
MW - 5	05/04/11	3974.27	51.70	52.90	1.20	3922.39
MW - 5	05/11/11	3974.27	51.69	52.82	1.13	3922.41
MW - 5	05/12/11	3974.27	51.62	52.61	0.99	3922.50
MW - 5	05/18/11	3974.27	51.64	52.75	1.11	3922.46
MW - 5	05/23/11	3974.27	51.76	52.88	1.12	3922.34
MW - 5	06/08/11	3974.27	51.72	53.19	1.47	3922.33
MW - 5	06/16/11	3974.27	51.73	53.02	1.29	3922.35
MW - 5	06/22/11	3974.27	51.68	52.88	1.20	3922.41
MW - 5	06/30/11	3974.27	51.64	53.20	1.56	3922.40
MW - 5	07/06/11	3974.27	51.57	52.79	1.22	3922.52
MW - 5	07/13/11	3974.27	51.68	53.12	1.44	3922.37
MW - 5	07/15/11	3974.27	51.75	53.20	1.45	3922.30
MW - 5	07/19/11	3974.27	51.60	52.53	0.93	3922.53
MW - 5	07/21/11	3974.27	51.61	52.80	1.19	3922.48
MW - 5	07/26/11	3974.27	51.76	52.68	0.92	3922.37
MW - 5	07/28/11	3974.27	51.73	52.97	1.24	3922.35
MW - 5	08/02/11	3974.27	51.88	53.58	1.70	3922.14
MW - 5	08/09/11	3974.27	51.82	53.30	1.48	3922.23
MW - 5	08/12/11	3974.27	51.84	52.96	1.12	3922.26
MW - 5	08/15/11	3974.27	51.84	52.96	1.12	3922.26
MW - 5	08/16/11	3974.27	51.66	52.63	0.97	3922.46
MW - 5	08/19/11	3974.27	51.73	52.55	0.82	3922.42
MW - 5	08/23/11	3974.27	51.74	52.75	1.01	3922.38
MW - 5	08/26/11	3974.27	51.78	53.05	1.27	3922.30
MW - 5	08/30/11	3974.27	51.60	52.50	0.90	3922.54
MW - 5	09/01/11	3974.27	51.65	52.16	0.51	3922.54
MW - 5	09/08/11	3974.27	51.80	53.37	1.57	3922.23
MW - 5	09/13/11	3974.27	51.72	53.04	1.32	3922.35
MW - 5	09/15/11	3974.27	51.81	53.17	1.36	3922.26
MW - 5	09/22/11	3974.27	51.61	52.40	0.79	3922.54
MW - 5	10/06/11	3974.27	51.72	52.82	1.10	3922.39
MW - 5	10/11/11	3974.27	51.81	52.96	1.15	3922.29
MW - 5	10/13/11	3974.27	51.87	53.61	1.74	3922.14
MW - 5	10/26/11	3974.27	51.81	53.23	1.42	3922.25
MW - 5	11/22/11	3974.27	51.76	52.83	1.07	3922.35
MW - 5	12/02/11	3974.27	51.59	52.56	0.97	3922.53
MW - 5	12/29/11	3974.27	51.59	52.59	1.00	3922.53
MW - 5	01/26/12	3974.27	51.65	52.82	1.17	3922.44
MW - 5	01/31/12	3974.27	51.68	52.87	1.19	3922.41
MW - 5	02/15/12	3974.27	51.59	52.57	0.98	3922.53
MW - 5	02/28/12	3974.27	51.63	52.70	1.07	3922.48

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	03/20/12	3974.27	51.72	53.18	1.46	3922.33
MW - 5	03/27/12	3974.27	51.67	53.00	1.33	3922.40
MW - 5	04/10/12	3974.27	51.74	53.11	1.37	3922.32
MW - 5	04/19/12	3974.27	51.67	52.96	1.29	3922.41
MW - 5	04/26/12	3974.27	51.69	52.40	0.71	3922.47
MW - 5	05/08/12	3974.27	51.69	52.40	0.71	3922.47
MW - 5	05/15/12	3974.27	51.58	52.71	1.13	3922.52
MW - 5	05/17/12	3974.27	51.56	52.70	1.14	3922.54
MW - 5	06/05/12	3974.27	51.68	53.12	1.44	3922.37
MW - 5	06/21/12	3974.27	51.68	53.24	1.56	3922.36
MW - 5	06/28/12	3974.27	51.67	53.29	1.62	3922.36
MW - 5	07/17/12	3974.27	51.90	52.61	0.71	3922.26
MW - 5	08/01/12	3974.27	51.68	52.81	1.13	3922.42
MW - 5	10/02/12	3974.27	51.69	53.16	1.47	3922.36
MW - 5	10/09/12	3974.27	51.67	53.20	1.53	3922.37
MW - 5	10/16/12	3974.27	51.67	53.09	1.42	3922.39
MW - 5	10/25/12	3974.27	51.67	53.21	1.54	3922.37
MW - 5	10/30/12	3974.27	51.68	53.20	1.52	3922.36
MW - 5	11/29/12	3974.27	51.69	53.54	1.85	3922.30
MW - 5	12/14/12	3974.27	51.70	53.26	1.56	3922.34
MW - 5	02/11/13	3974.27	51.67	53.02	1.35	3922.40
MW - 5	04/11/13	3974.27	51.82	53.84	2.02	3922.15
MW - 5	04/15/13	3974.27	51.85	53.78	1.93	3922.13
MW - 5	04/22/13	3974.27	51.65	53.14	1.49	3922.40
MW - 5	05/06/13	3974.27	51.68	53.16	1.48	3922.37
MW - 5	05/09/13	3974.27	51.67	53.18	1.51	3922.37
MW - 5	05/20/13	3974.27	51.67	53.23	1.56	3922.37
MW - 5	05/24/13	3974.27	51.74	53.86	2.12	3922.21
MW - 5	05/29/13	3974.27	51.66	53.25	1.59	3922.37
MW - 5	05/31/13	3974.27	51.74	53.40	1.66	3922.28
MW - 5	06/07/13	3974.27	51.98	53.99	2.01	3921.99
MW - 5	06/12/13	3974.27	51.93	53.88	1.95	3922.05
MW - 5	06/14/13	3974.27	51.42	53.62	2.20	3922.52
MW - 5	06/19/13	3974.27	51.96	53.88	1.92	3922.02
MW - 5	06/21/13	3974.27	52.01	53.76	1.75	3922.00
MW - 5	06/25/13	3974.27	51.73	52.71	0.98	3922.39
MW - 5	06/26/13	3974.27	51.85	53.57	1.72	3922.16
MW - 5	07/03/13	3974.27	52.03	53.89	1.86	3921.96
MW - 5	07/09/13	3974.27	52.00	54.19	2.19	3921.94
MW - 5	07/11/13	3974.27	51.98	54.00	2.02	3921.99
MW - 5	07/24/13	3974.27	51.95	52.87	0.92	3922.18
MW - 5	07/26/13	3974.27	51.89	53.65	1.76	3922.12
MW - 5	07/31/13	3974.27	51.73	53.38	1.65	3922.29

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	08/02/13	3974.27	51.93	53.71	1.78	3922.07
MW - 5	08/06/13	3974.27	51.76	53.33	1.57	3922.27
MW - 5	08/14/13	3974.27	51.78	53.42	1.64	3922.24
MW - 5	08/21/13	3974.27	51.92	53.75	1.83	3922.08
MW - 5	08/26/13	3974.27	51.89	53.56	1.67	3922.13
MW - 5	09/06/13	3974.27	51.91	53.75	1.84	3922.08
MW - 5	08/30/13	3974.27	51.77	53.32	1.55	3922.27
MW - 5	09/13/13	3974.27	51.83	53.27	1.44	3922.22
MW - 5	09/27/13	3974.27	51.86	53.67	1.81	3922.14
MW - 5	09/30/13	3974.27	51.80	53.52	1.72	3922.21
MW - 5	10/02/13	3974.27	51.94	53.85	1.91	3922.04
MW - 5	10/03/13	3974.27	51.89	53.15	1.26	3922.19
MW - 5	10/11/13	3974.27	51.77	53.33	1.56	3922.27
MW - 5	10/17/13	3974.27	51.77	53.39	1.62	3922.26
MW - 5	10/22/13	3974.27	51.76	53.41	1.65	3922.26
MW - 5	10/24/13	3974.27	51.88	53.71	1.83	3922.12
MW - 5	11/01/13	3974.27	51.80	53.25	1.45	3922.25
MW - 5	11/04/13	3974.27	51.80	53.36	1.56	3922.24
MW - 5	11/08/13	3974.27	51.95	54.00	2.05	3922.01
MW - 5	11/13/13	3974.27	51.77	53.35	1.58	3922.26
MW - 5	11/15/13	3974.27	51.76	53.36	1.60	3922.27
MW - 5	11/18/13	3974.27	51.79	53.45	1.66	3922.23
MW - 5	12/12/13	3974.27	51.80	53.55	1.75	3922.21
MW - 5	12/16/13	3974.27	51.80	53.53	1.73	3922.21
MW - 5	12/18/13	3974.27	51.81	53.54	1.73	3922.20
MW - 5	12/23/13	3974.27	51.84	53.58	1.74	3922.17
MW - 5	12/30/13	3974.27	51.81	53.45	1.64	3922.21
MW - 5	01/01/14	3974.27	51.65	53.76	2.11	3922.30
MW - 5	01/06/14	3974.27	51.73	53.43	1.70	3922.29
MW - 5	01/15/14	3974.27	51.88	53.55	1.67	3922.14
MW - 5	01/17/14	3974.27	51.80	53.32	1.52	3922.24
MW - 5	01/20/14	3974.27	52.01	54.13	2.12	3921.94
MW - 5	01/22/14	3974.27	52.23	54.19	1.96	3921.75
MW - 5	01/29/14	3974.27	51.80	53.50	1.70	3922.22
MW - 5	02/04/14	3974.27	51.76	53.54	1.78	3922.24
MW - 5	02/13/14	3974.27	51.78	53.58	1.80	3922.22
MW - 5	02/21/14	3974.27	52.00	54.28	2.28	3921.93
MW - 5	02/26/14	3974.27	52.04	54.30	2.26	3921.89
MW - 5	03/12/14	3974.27	51.86	53.71	1.85	3922.13
MW - 5	03/14/14	3974.27	51.84	53.64	1.80	3922.16
MW - 5	03/17/14	3974.27	51.86	53.66	1.80	3922.14
MW - 5	03/24/14	3974.27	52.26	54.10	1.84	3921.73
MW - 5	03/26/14	3974.27	52.44	54.02	1.58	3921.59

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	04/09/14	3974.27	51.78	53.42	1.64	3922.24
MW - 5	04/18/14	3974.27	51.79	53.42	1.63	3922.24
MW - 5	04/21/14	3974.27	51.78	53.47	1.69	3922.24
MW - 5	04/28/14	3974.27	51.77	53.53	1.76	3922.24
MW - 5	05/09/14	3974.27	51.88	53.76	1.88	3922.11
MW - 5	05/12/14	3974.27	51.91	53.90	1.99	3922.06
MW - 5	05/19/14	3974.27	51.81	53.73	1.92	3922.17
MW - 5	05/28/14	3974.27	51.85	53.76	1.91	3922.13
MW - 5	06/04/14	3974.27	51.89	53.86	1.97	3922.08
MW - 5	06/13/14	3974.27	51.88	53.86	1.98	3922.09
MW - 5	06/16/14	3974.27	51.83	53.37	1.54	3922.21
MW - 5	07/02/14	3974.27	51.80	53.66	1.86	3922.19
MW - 5	07/07/14	3974.27	51.81	53.70	1.89	3922.18
MW - 5	07/18/14	3974.27	51.98	54.15	2.17	3921.96
MW - 5	07/30/14	3974.27	51.86	53.54	1.68	3922.16
MW - 5	08/11/14	3974.27	51.87	53.67	1.80	3922.13
MW - 5	08/22/14	3974.27	51.89	53.65	1.76	3922.12
MW - 5	08/23/14	3974.27	51.89	53.65	1.76	3922.12
MW - 5	09/10/14	3974.27	51.90	53.96	2.06	3922.06
MW - 5	09/23/14	3974.27	51.92	53.96	2.04	3922.04
MW - 5	09/25/14	3974.27	52.18	54.45	2.27	3921.75
MW - 5	10/03/14	3974.27	51.98	53.96	1.98	3921.99
MW - 5	10/15/14	3974.27	51.49	53.79	2.30	3922.44
MW - 5	10/17/14	3974.27	52.02	54.34	2.32	3921.90
MW - 5	10/24/14	3974.27	52.08	54.12	2.04	3921.88
MW - 5	10/27/14	3974.27	52.06	54.10	2.04	3921.90
MW - 5	10/31/14	3974.27	51.72	53.80	2.08	3922.24
MW - 5	11/03/14	3974.27	51.69	55.75	4.06	3921.97
MW - 5	11/10/14	3974.27	51.87	54.20	2.33	3922.05
MW - 5	11/14/14	3974.27	51.85	53.59	1.74	3922.16
MW - 5	11/17/14	3974.27	51.91	53.47	1.56	3922.13
MW - 5	11/18/14	3974.27	51.91	53.47	1.56	3922.13
MW - 5	11/21/14	3974.27	51.93	53.51	1.58	3922.10
MW - 5	12/03/14	3974.27	51.88	53.69	1.81	3922.12
MW - 5	12/05/14	3974.27	51.90	53.54	1.64	3922.12
MW - 5	12/12/14	3974.27	51.92	53.50	1.58	3922.11
MW - 5	12/15/14	3974.27	51.92	53.50	1.58	3922.11
MW - 5	12/19/14	3974.27	51.94	53.52	1.58	3922.09
MW - 5	12/22/14	3974.27	51.90	53.47	1.57	3922.13
MW - 5	01/05/15	3974.27	51.88	53.42	1.54	3922.16
MW - 5	01/09/15	3974.27	51.86	53.63	1.77	3922.14
MW - 5	01/14/15	3974.27	51.86	53.65	1.79	3922.14
MW - 5	1/21/2015	3974.27	51.86	53.40	1.54	3922.18

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	02/18/15	3974.27	51.95	53.69	1.74	3922.06
MW - 5	02/19/15	3974.27	51.92	53.30	1.38	3922.14
MW - 5	03/09/15	3974.27	51.87	53.38	1.51	3922.17
MW - 5	03/11/15	3974.27	51.85	53.58	1.73	3922.16
MW - 5	03/18/15	3974.27	51.85	53.52	1.67	3922.17
MW - 5	03/31/15	3974.27	51.88	53.42	1.54	3922.16
MW - 5	04/09/15	3974.27	51.84	53.46	1.62	3922.19
MW - 5	04/15/15	3974.27	51.83	53.51	1.68	3922.19
MW - 5	04/22/15	3974.27	51.83	53.55	1.72	3922.18
MW - 5	05/12/15	3974.27	51.84	53.58	1.74	3922.17
MW - 5	05/26/15	3974.27	51.84	53.37	1.53	3922.20
MW - 5	06/01/15	3974.27	51.85	53.58	1.73	3922.16
MW - 5	06/04/15	3974.27	51.84	53.67	1.83	3922.16
MW - 5	06/22/15	3974.27	51.95	54.00	2.05	3922.01
MW - 5	06/26/15	3974.27	52.10	53.93	1.83	3921.90
MW - 5	07/22/15	3974.27	52.02	53.53	1.51	3922.02
MW - 5	07/27/15	3974.27	52.08	53.83	1.75	3921.93
MW - 5	08/18/15	3974.27	51.85	53.31	1.46	3922.20
MW - 5	09/09/15	3974.27	52.00	54.15	2.15	3921.95
MW - 5	09/30/15	3974.27	52.14	54.50	2.36	3921.78
MW - 5	10/08/15	3974.27	51.98	53.90	1.92	3922.00
MW - 5	10/16/15	3974.27	52.08	54.27	2.19	3921.86
MW - 5	10/21/15	3974.27	52.50	53.84	1.34	3921.57
MW - 5	11/18/15	3974.27	52.03	53.95	1.92	3921.95
MW - 5	11/23/15	3974.27	51.94	53.52	1.58	3922.09
MW - 5	12/04/15	3974.27	51.85	53.69	1.84	3922.14
MW - 5	12/09/15	3974.27	52.14	54.19	2.05	3921.82
MW - 5	01/12/16	3974.27	51.90	53.83	1.93	3922.08
MW - 5	01/22/16	3974.27	51.93	53.65	1.72	3922.08
MW - 5	01/25/16	3974.27	52.00	53.80	1.80	3922.00
MW - 5	02/12/16	3974.27	52.03	54.13	2.10	3921.93
MW - 5	02/17/16	3974.27	52.00	53.86	1.86	3921.99
MW - 5	02/24/16	3974.27	51.90	53.58	1.68	3922.12
MW - 5	03/09/16	3974.27	52.01	54.11	2.10	3921.95
MW - 5	03/30/16	3974.27	52.03	54.07	2.04	3921.93
MW - 5	04/13/16	3974.27	52.00	54.09	2.09	3921.96
MW - 5	04/27/16	3974.27	52.01	54.00	1.99	3921.96
MW - 5	05/11/16	3974.27	51.99	53.96	1.97	3921.98
MW - 5	06/03/16	3974.27	52.02	54.13	2.11	3921.93
MW - 5	06/13/16	3974.27	51.91	53.61	1.70	3922.11
MW - 5	07/01/16	3974.27	52.05	53.93	1.88	3921.94
MW - 5	07/08/16	3974.27	51.98	53.87	1.89	3922.01
MW - 5	07/12/16	3974.27	51.95	53.06	1.11	3922.15

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	07/18/16	3974.27	51.99	53.83	1.84	3922.00
MW - 5	08/02/16	3974.27	52.00	53.48	1.48	3922.05
MW - 5	08/12/16	3974.27	52.12	54.18	2.06	3921.84
MW - 5	08/17/16	3974.27	51.97	53.94	1.97	3922.00
MW - 5	09/21/16	3974.27	51.95	53.82	1.87	3922.04
MW - 5	10/21/16	3974.27	51.92	53.73	1.81	3922.08
MW - 5	10/24/16	3974.27	52.08	54.12	2.04	3921.88
MW - 5	10/26/16	3974.27	52.39	52.52	0.13	3921.86
MW - 5	10/31/16	3974.27	52.06	54.09	2.03	3921.91
MW - 5	11/21/16	3974.27	52.45	52.66	0.21	3921.79
MW - 5	11/28/16	3974.27	51.90	53.87	1.97	3922.07
MW - 5	12/07/16	3974.27	52.09	54.46	2.37	3921.82
MW - 5	12/14/16	3974.27	52.09	54.19	2.10	3921.87
MW - 5	12/21/16	3974.27	51.92	53.76	1.84	3922.07
MW - 5	01/04/17	3974.27	51.90	53.86	1.96	3922.08
MW - 5	01/12/17	3974.27	51.90	53.88	1.98	3922.07
MW - 5	01/26/17	3974.27	52.03	53.45	1.42	3922.03
MW - 5	02/07/17	3974.27	51.95	54.00	2.05	3922.01
MW - 5	02/21/17	3974.27	51.90	53.84	1.94	3922.08
MW - 5	02/23/17	3974.27	51.89	53.79	1.90	3922.10
MW - 5	03/08/17	3974.27	52.02	53.95	1.93	3921.96
MW - 5	04/07/17	3974.27	51.88	53.81	1.93	3922.10
MW - 5	04/18/17	3974.27	51.88	53.84	1.96	3922.10
MW - 5	05/10/17	3974.27	51.98	54.20	2.22	3921.96
MW - 5	05/24/17	3974.27	51.62	54.72	3.10	3922.19
MW - 5	06/02/17	3974.27	51.82	53.80	1.98	3922.15
MW - 5	07/12/17	3974.27	52.04	54.15	2.11	3921.91
MW - 5	07/19/17	3974.27	52.05	53.94	1.89	3921.94
MW - 5	07/27/17	3974.27	51.93	53.85	1.92	3922.05
MW - 5	08/11/17	3974.27	52.01	54.10	2.09	3921.95
MW - 5	08/24/17	3974.27	51.95	53.98	2.03	3922.02
MW - 5	09/05/17	3974.27	51.97	54.04	2.07	3921.99
MW - 5	10/18/17	3974.27	52.01	54.21	2.20	3921.93
MW - 5	10/25/17	3974.27	52.01	53.94	1.93	3921.97
MW - 5	10/25/17	3974.27	51.97	54.05	2.08	3921.99
MW - 5	11/01/17	3974.27	51.99	53.96	1.97	3921.98
MW - 5	11/08/17	3974.27	51.97	54.05	2.08	3921.99
MW - 5	11/28/17	3974.27	51.99	54.08	2.09	3921.97
MW - 5	12/19/17	3974.27	51.97	54.09	2.12	3921.98
MW - 5	01/16/18	3974.27	51.97	54.15	2.18	3921.97
MW - 5	01/30/18	3974.27	51.96	54.05	2.09	3922.00
MW - 5	02/06/18	3974.27	51.98	54.11	2.13	3921.97
MW - 5	02/13/18	3974.27	52.01	54.12	2.11	3921.94

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	02/26/18	3974.27	51.99	53.96	1.97	3921.98
MW - 5	04/03/18	3974.27	51.98	53.91	1.93	3922.00
MW - 5	04/17/18	3974.27	51.95	53.97	2.02	3922.02
MW - 5	05/07/18	3974.27	52.08	54.14	2.06	3921.88
MW - 5	06/21/18	3974.27	51.99	54.20	2.21	3921.95
MW - 5	06/26/18	3974.27	52.00	54.19	2.19	3921.94
MW - 5	07/12/18	3974.27	52.01	54.32	2.31	3921.91
MW - 5	07/17/18	3974.27	52.00	54.22	2.22	3921.94
MW - 5	08/01/18	3974.27	52.02	54.16	2.14	3921.93
MW - 5	08/09/18	3974.27	52.02	54.27	2.25	3921.91
MW - 5	08/23/18	3974.27	52.02	54.31	2.29	3921.91
MW - 5	08/30/18	3974.27	52.04	53.16	1.12	3922.06
MW - 5	08/31/18	3974.27	52.04	54.29	2.25	3921.89
MW - 5	09/11/18	3974.27	52.11	54.07	1.96	3921.87
MW - 5	09/19/18	3974.27	52.04	53.98	1.94	3921.94
MW - 5	10/16/18	3974.27	52.06	54.28	2.22	3921.88
MW - 5	11/01/18	3974.27	52.08	54.16	2.08	3921.88
MW - 5	11/05/18	3974.27	52.06	54.11	2.05	3921.90
MW - 5	11/14/18	3974.27	52.05	54.14	2.09	3921.91
MW - 5	12/04/18	3974.27	52.07	54.19	2.12	3921.88
MW - 5	12/06/18	3974.27	52.04	54.11	2.07	3921.92
MW - 5	12/18/18	3974.27	52.08	54.29	2.21	3921.86
MW - 5	12/20/18	3974.27	52.07	54.35	2.28	3921.86
MW - 5	12/26/18	3974.27	52.05	54.25	2.20	3921.89
MW - 5	01/08/19	3974.27	52.06	54.31	2.25	3921.87
MW - 5	01/10/19	3974.27	52.08	54.29	2.21	3921.86
MW - 5	01/15/19	3974.27	52.11	54.21	2.10	3921.85
MW - 5	01/24/19	3974.27	52.33	53.98	1.65	3921.69
MW - 5	02/11/19	3974.27	52.27	54.02	1.75	3921.74
MW - 5	02/18/19	3974.27	52.00	54.03	2.03	3921.97
MW - 5	04/16/19	3974.27	52.19	53.96	1.77	3921.81
MW - 5	04/23/19	3974.27	52.16	55.02	2.86	3921.68
MW - 5	04/30/19	3974.27	52.03	54.41	2.38	3921.88
MW - 5	05/07/19	3974.27	52.10	54.03	1.93	3921.88
MW - 5	05/09/19	3974.27	52.62	53.96	1.34	3921.45
MW - 5	05/14/19	3974.27	51.98	53.95	1.97	3921.99
MW - 5	06/04/19	3974.27	52.23	54.29	2.06	3921.73
MW - 5	06/11/19	3974.27	52.39	54.35	1.96	3921.59
MW - 5	06/13/19	3974.27	52.28	54.27	1.99	3921.69
MW - 5	06/17/19	3974.27	52.05	54.06	2.01	3921.92
MW - 5	07/01/19	3974.27	52.02	54.31	2.29	3921.91
MW - 5	07/02/19	3974.27	52.10	54.19	2.09	3921.86
MW - 5	08/19/19	3974.27	52.11	54.16	2.05	3921.85

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	08/29/19	3974.27	52.16	54.21	2.05	3921.80
MW - 5	09/03/19	3974.27	52.12	53.28	1.16	3921.98
MW - 5	09/10/19	3974.27	52.13	53.27	1.14	3921.97
MW - 5	10/01/19	3974.27	52.13	53.25	1.12	3921.97
MW - 5	10/22/19	3974.27	52.25	53.38	1.13	3921.85
MW - 5	11/11/19	3974.27	52.17	54.21	2.04	3921.79
MW - 5	11/15/19	3974.27	52.10	55.12	3.02	3921.72
MW - 6	03/02/00	3974.72	53.10	53.84	0.74	3921.51
MW - 6	04/25/00	3974.72	53.14	53.91	0.77	3921.46
MW - 6	09/06/00	3974.72	52.81	55.87	3.06	3921.45
MW - 6	11/28/00	3974.72	52.91	55.62	2.71	3921.40
MW - 6	02/21/01	3974.72	52.79	55.42	2.63	3921.54
MW - 6	05/31/01	3974.72	52.95	54.83	1.88	3921.49
MW - 6	08/23/01	3974.72	52.69	55.95	3.26	3921.54
MW - 6	11/21/01	3974.72	53.42	55.42	2.00	3921.00
MW - 6	02/13/02	3974.72	52.74	56.04	3.30	3921.49
MW - 6	06/12/02	3974.72	52.63	56.16	3.53	3921.56
MW - 6	08/26/02	3974.72	52.67	56.24	3.57	3921.51
MW - 6	11/08/02	3974.72	53.03	55.06	2.03	3921.39
MW - 6	11/21/02	3974.72	53.10	54.57	1.47	3921.40
MW - 6	12/27/02	3974.72	52.95	54.97	2.02	3921.47
MW - 6	01/06/03	3974.72	52.90	55.38	2.48	3921.45
MW - 6	01/08/03	3974.72	52.88	55.42	2.54	3921.46
MW - 6	01/10/03	3974.72	52.86	55.86	3.00	3921.41
MW - 6	01/13/03	3974.72	52.85	55.55	2.70	3921.47
MW - 6	02/05/03	3974.72	52.80	55.81	3.01	3921.47
MW - 6	02/26/03	3974.72	52.71	56.09	3.38	3921.50
MW - 6	03/04/03	3974.72	52.72	56.09	3.37	3921.49
MW - 6	03/12/03	3974.72	52.73	56.18	3.45	3921.47
MW - 6	03/18/03	3974.72	52.71	56.25	3.54	3921.48
MW - 6	03/25/03	3974.72	52.71	56.18	3.47	3921.49
MW - 6	03/31/03	3974.72	52.69	56.21	3.52	3921.50
MW - 6	04/09/03	3974.72	52.73	53.02	0.29	3921.95
MW - 6	04/14/03	3974.72	52.61	53.00	0.39	3922.05
MW - 6	05/07/03	3974.72	52.92	56.21	3.29	3921.31
MW - 6	05/08/03	3974.72	52.75	56.04	3.29	3921.48
MW - 6	05/13/03	3974.72	52.80	59.21	6.41	3920.96
MW - 6	05/21/03	3974.72	52.73	56.11	3.38	3921.48
MW - 6	05/27/03	3974.72	53.12	56.50	3.38	3921.09
MW - 6	05/28/03	3974.72	53.20	56.65	3.45	3921.00
MW - 6	06/03/03	3974.72	53.19	56.68	3.49	3921.01
MW - 6	06/10/03	3974.72	52.73	56.25	3.52	3921.46

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	07/01/03	3974.72	52.77	56.31	3.54	3921.42
MW - 6	07/08/03	3974.72	52.77	56.40	3.63	3921.41
MW - 6	07/30/03	3974.72	52.62	56.23	3.61	3921.56
MW - 6	08/04/03	3974.72	52.40	56.45	4.05	3921.71
MW - 6	08/18/03	3974.72	52.97	54.18	1.21	3921.57
MW - 6	08/25/03	3974.72	53.40	57.02	3.62	3920.78
MW - 6	10/01/03	3974.72	52.77	54.90	2.13	3921.63
MW - 6	10/06/03	3974.72	52.72	56.26	3.54	3921.47
MW - 6	10/08/03	3974.72	53.05	56.62	3.57	3921.13
MW - 6	10/15/03	3974.72	53.47	57.10	3.63	3920.71
MW - 6	11/12/03	3974.72	53.11	55.91	2.80	3921.19
MW - 6	11/19/03	3974.72	53.12	56.70	3.58	3921.06
MW - 6	12/01/03	3974.72	53.08	56.70	3.62	3921.10
MW - 6	12/10/03	3974.72	52.82	56.33	3.51	3921.37
MW - 6	02/05/04	3974.72	53.63	57.18	3.55	3920.56
MW - 6	02/17/04	3974.72	52.89	56.34	3.45	3921.31
MW - 6	02/25/04	3974.72	53.60	57.13	3.53	3920.59
MW - 6	03/09/04	3974.72	52.91	56.40	3.49	3921.29
MW - 6	03/16/04	3974.72	53.14	54.19	1.05	3921.42
MW - 6	03/22/04	3974.72	53.04	55.22	2.18	3921.35
MW - 6	04/07/04	3974.72	53.14	53.69	0.55	3921.50
MW - 6	04/12/04	3974.72	53.50	56.43	2.93	3920.78
MW - 6	04/19/04	3974.72	53.10	53.49	0.39	3921.56
MW - 6	05/05/04	3974.72	53.04	56.06	3.02	3921.23
MW - 6	05/11/04	3974.72	52.19	56.21	4.02	3921.93
MW - 6	06/07/04	3974.72	52.77	55.87	3.10	3921.49
MW - 6	06/15/04	3974.72	52.78	55.90	3.12	3921.47
MW - 6	06/20/04	3974.72	52.78	55.90	3.12	3921.47
MW - 6	06/21/04	3974.72	52.77	55.77	3.00	3921.50
MW - 6	06/28/04	3974.72	52.77	55.91	3.14	3921.48
MW - 6	07/08/04	3974.72	52.75	55.87	3.12	3921.50
MW - 6	07/12/04	3974.72	52.76	55.90	3.14	3921.49
MW - 6	08/06/04	3974.72	52.83	55.80	2.97	3921.44
MW - 6	08/12/04	3974.72	52.85	55.82	2.97	3921.42
MW - 6	08/17/04	3974.72	52.77	55.94	3.17	3921.47
MW - 6	09/01/04	3974.72	53.21	54.22	1.01	3921.36
MW - 6	09/03/04	3974.72	53.31	54.02	0.71	3921.30
MW - 6	09/08/04	3974.72	52.16	53.52	1.36	3922.36
MW - 6	09/14/04	3974.72	53.20	54.26	1.06	3921.36
MW - 6	09/22/04	3974.72	53.22	54.14	0.92	3921.36
MW - 6	10/01/04	3974.72	53.10	54.89	1.79	3921.35
MW - 6	10/08/04	3974.72	53.25	54.05	0.80	3921.35
MW - 6	10/15/04	3974.72	53.11	53.88	0.77	3921.49

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	10/22/04	3974.72	53.05	54.55	1.50	3921.45
MW - 6	11/12/04	3974.72	53.22	54.16	0.94	3921.36
MW - 6	11/26/04	3974.72	53.11	54.55	1.44	3921.39
MW - 6	12/02/04	3974.72	53.79	55.20	1.41	3920.72
MW - 6	12/06/04	3974.72	53.87	54.96	1.09	3920.69
MW - 6	12/13/04	3974.72	53.51	54.51	1.00	3921.06
MW - 6	12/15/04	3974.72	53.51	54.51	1.00	3921.06
MW - 6	12/27/04	3974.72	53.85	55.60	1.75	3920.61
MW - 6	01/10/05	3974.72	53.02	54.20	1.18	3921.52
MW - 6	01/18/05	3974.72	52.96	54.49	1.53	3921.53
MW - 6	01/18/05	3974.72	53.14	53.52	0.38	3921.52
MW - 6	01/25/05	3974.72	53.08	53.78	0.70	3921.54
MW - 6	01/27/05	3974.72	53.21	53.42	0.21	3921.48
MW - 6	02/01/05	3974.72	53.19	53.51	0.32	3921.48
MW - 6	02/07/05	3974.72	53.14	53.54	0.40	3921.52
MW - 6	02/11/05	3974.72	53.15	53.55	0.40	3921.51
MW - 6	02/15/05	3974.72	53.10	53.52	0.42	3921.56
MW - 6	02/22/05	3974.72	53.09	53.58	0.49	3921.56
MW - 6	02/24/05	3974.72	53.08	53.65	0.57	3921.55
MW - 6	03/03/05	3974.72	53.02	53.61	0.59	3921.61
MW - 6	03/09/05	3974.72	53.02	53.64	0.62	3921.61
MW - 6	03/22/05	3974.72	53.57	54.20	0.63	3921.06
MW - 6	03/24/05	3974.72	53.57	54.20	0.63	3921.06
MW - 6	03/31/05	3974.72	53.60	54.20	0.60	3921.03
MW - 6	06/22/05	3974.72	52.91	53.92	1.01	3921.66
MW - 6	07/21/05	3974.72	52.80	53.80	1.00	3921.77
MW - 6	08/03/05	3974.72	52.82	53.70	0.88	3921.77
MW - 6	08/12/05	3974.72	52.87	53.62	0.75	3921.74
MW - 6	08/15/05	3974.72	52.91	53.30	0.39	3921.75
MW - 6	08/22/05	3974.72	52.70	53.69	0.99	3921.87
MW - 6	09/07/05	3974.72	52.67	54.31	1.64	3921.80
MW - 6	09/14/05	3974.72	52.78	53.31	0.53	3921.86
MW - 6	09/20/05	3974.72	52.75	53.91	1.16	3921.80
MW - 6	09/21/05	3974.72	52.76	53.54	0.78	3921.84
MW - 6	09/28/05	3974.72	52.70	54.00	1.30	3921.83
MW - 6	10/06/05	3974.72	52.80	53.66	0.86	3921.79
MW - 6	10/13/05	3974.72	52.80	53.51	0.71	3921.81
MW - 6	10/20/05	3974.72	52.84	53.81	0.97	3921.73
MW - 6	10/26/05	3974.72	52.83	53.42	0.59	3921.80
MW - 6	11/03/05	3974.72	52.73	53.70	0.97	3921.84
MW - 6	11/10/05	3974.72	52.68	53.99	1.31	3921.84
MW - 6	11/16/05	3974.72	52.79	53.50	0.71	3921.82
MW - 6	11/23/05	3974.72	52.80	53.45	0.65	3921.82

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	11/28/05	3974.72	52.69	53.76	1.07	3921.87
MW - 6	12/05/05	3974.72	52.80	53.53	0.73	3921.81
MW - 6	12/12/05	3974.72	52.76	53.56	0.80	3921.84
MW - 6	12/16/05	3974.72	52.97	53.56	0.59	3921.66
MW - 6	12/19/05	3974.72	52.81	53.48	0.67	3921.81
MW - 6	12/29/05	3974.72	52.79	53.53	0.74	3921.82
MW - 6	01/04/06	3974.72	52.81	53.50	0.69	3921.81
MW - 6	01/10/06	3974.72	52.72	53.50	0.78	3921.88
MW - 6	01/17/06	3974.72	52.69	53.81	1.12	3921.86
MW - 6	01/26/06	3974.72	52.68	53.83	1.15	3921.87
MW - 6	01/31/06	3974.72	52.70	53.73	1.03	3921.87
MW - 6	02/07/06	3974.72	52.73	53.60	0.87	3921.86
MW - 6	02/09/06	3974.72	52.87	53.13	0.26	3921.81
MW - 6	02/13/06	3974.72	52.73	53.51	0.78	3921.87
MW - 6	02/22/06	3974.72	52.76	53.29	0.53	3921.88
MW - 6	02/28/06	3974.72	52.75	53.28	0.53	3921.89
MW - 6	03/07/06	3974.72	52.79	53.25	0.46	3921.86
MW - 6	03/15/06	3974.72	52.72	53.37	0.65	3921.90
MW - 6	03/20/06	3974.72	52.71	53.30	0.59	3921.92
MW - 6	03/22/06	3974.72	52.94	52.95	0.01	3921.78
MW - 6	03/29/06	3974.72	52.78	52.99	0.21	3921.91
MW - 6	04/11/06	3974.72	52.72	53.17	0.45	3921.93
MW - 6	04/18/06	3974.72	52.72	53.15	0.43	3921.94
MW - 6	04/25/06	3974.72	52.79	52.93	0.14	3921.91
MW - 6	05/02/06	3974.72	52.74	53.10	0.36	3921.93
MW - 6	05/09/06	3974.72	52.72	53.03	0.31	3921.95
MW - 6	05/16/06	3974.72	52.72	53.20	0.48	3921.93
MW - 6	05/23/06	3974.72	52.74	53.15	0.41	3921.92
MW - 6	05/31/06	3974.72	52.71	53.13	0.42	3921.95
MW - 6	06/06/06	3974.72	52.71	53.10	0.39	3921.95
MW - 6	06/13/06	3974.72	52.70	53.11	0.41	3921.96
MW - 6	06/20/06	3974.72	52.71	53.13	0.42	3921.95
MW - 6	06/21/06	3974.72	52.75	53.07	0.32	3921.92
MW - 6	07/06/06	3974.72	52.68	53.31	0.63	3921.95
MW - 6	07/12/06	3974.72	52.66	53.46	0.80	3921.94
MW - 6	07/20/06	3974.72	52.65	53.27	0.62	3921.98
MW - 6	07/25/06	3974.72	52.65	53.40	0.75	3921.96
MW - 6	08/01/06	3974.72	52.68	53.34	0.66	3921.94
MW - 6	08/16/06	3974.72	52.65	53.54	0.89	3921.94
MW - 6	08/23/06	3974.72	52.67	53.42	0.75	3921.94
MW - 6	08/28/06	3974.72	52.73	53.23	0.50	3921.92
MW - 6	09/12/06	3974.72	52.25	53.52	1.27	3922.28
MW - 6	09/22/06	3974.72	53.15	54.00	0.85	3921.44

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	09/27/06	3974.72	52.67	53.18	0.51	3921.97
MW - 6	10/06/06	3974.72	52.61	53.54	0.93	3921.97
MW - 6	10/10/06	3974.72	52.70	53.20	0.50	3921.95
MW - 6	10/16/06	3974.72	52.69	53.21	0.52	3921.95
MW - 6	10/26/06	3974.72	52.65	53.40	0.75	3921.96
MW - 6	11/03/06	3974.72	52.64	53.30	0.66	3921.98
MW - 6	11/09/06	3974.72	52.65	53.25	0.60	3921.98
MW - 6	11/16/06	3974.72	52.68	53.21	0.53	3921.96
MW - 6	11/22/06	3974.72	52.67	53.17	0.50	3921.98
MW - 6	12/04/06	3974.72	52.63	53.39	0.76	3921.98
MW - 6	12/08/06	3974.72	52.59	53.49	0.90	3922.00
MW - 6	12/15/06	3974.72	52.64	53.23	0.59	3921.99
MW - 6	01/05/07	3974.72	52.53	53.63	1.10	3922.03
MW - 6	01/12/07	3974.72	52.63	53.23	0.60	3922.00
MW - 6	01/18/07	3974.72	52.66	53.19	0.53	3921.98
MW - 6	01/24/07	3974.72	52.65	53.17	0.52	3921.99
MW - 6	01/29/07	3974.72	52.65	53.14	0.49	3922.00
MW - 6	02/09/07	3974.72	52.61	53.28	0.67	3922.01
MW - 6	02/16/07	3974.72	52.62	53.24	0.62	3922.01
MW - 6	02/23/07	3974.72	52.60	53.13	0.53	3922.04
MW - 6	03/02/07	3974.72	52.57	53.40	0.83	3922.03
MW - 6	03/14/07	3974.72	52.60	53.16	0.56	3922.04
MW - 6	03/26/07	3974.72	52.57	53.33	0.76	3922.04
MW - 6	04/03/07	3974.72	52.55	53.42	0.87	3922.04
MW - 6	04/09/07	3974.72	52.60	53.21	0.61	3922.03
MW - 6	04/26/07	3974.72	52.51	53.52	1.01	3922.06
MW - 6	04/30/07	3974.72	52.61	54.03	1.42	3921.90
MW - 6	05/11/07	3974.72	52.55	53.26	0.71	3922.06
MW - 6	05/16/07	3974.72	52.62	53.00	0.38	3922.04
MW - 6	05/22/07	3974.72	52.60	53.09	0.49	3922.05
MW - 6	05/29/07	3974.72	52.57	53.14	0.57	3922.06
MW - 6	06/01/07	3974.72	52.56	53.26	0.70	3922.06
MW - 6	06/08/07	3974.72	52.56	53.11	0.55	3922.08
MW - 6	06/11/07	3974.72	52.57	52.95	0.38	3922.09
MW - 6	06/20/07	3974.72	52.55	53.20	0.65	3922.07
MW - 6	07/10/07	3974.72	52.51	53.31	0.80	3922.09
MW - 6	07/11/07	3974.72	52.14	53.50	1.36	3922.38
MW - 6	07/25/07	3974.72	52.52	53.25	0.73	3922.09
MW - 6	08/01/07	3974.72	52.54	53.14	0.60	3922.09
MW - 6	08/10/07	3974.72	52.54	53.14	0.60	3922.09
MW - 6	08/15/07	3974.72	52.56	53.00	0.44	3922.09
MW - 6	08/30/07	3974.72	52.49	53.32	0.83	3922.11
MW - 6	08/31/07	3974.72	52.49	53.22	0.73	3922.12

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	09/10/07	3974.72	52.45	53.60	1.15	3922.10
MW - 6	09/19/07	3974.72	52.43	53.60	1.17	3922.11
MW - 6	10/01/07	3974.72	52.53	53.29	0.76	3922.08
MW - 6	10/19/07	3974.72	52.45	53.60	1.15	3922.10
MW - 6	11/12/07	3974.72	52.41	53.50	1.09	3922.15
MW - 6	03/07/08	3974.72	52.36	53.65	1.29	3922.17
MW - 6	3/12/08 #1	3974.72	52.36	53.65	1.29	3922.17
MW - 6	3/12/08#2	3974.72	52.50	52.67	0.17	3922.19
MW - 6	3/20/2008 #1	3974.72	52.45	53.09	0.64	3922.17
MW - 6	3/20/08#2	3974.72	52.42	53.12	0.70	3922.20
MW - 6	3/23/08 #1	3974.72	52.43	53.02	0.59	3922.20
MW - 6	3/23/08 #2	3974.72	52.51	52.61	0.10	3922.20
MW - 6	4/2/08 #1	3974.72	52.50	52.98	0.48	3922.15
MW - 6	4/2/08 #2	3974.72	52.49	52.72	0.23	3922.20
MW - 6	4/9/08 #1	3974.72	52.41	52.95	0.54	3922.23
MW - 6	4/9/08 #2	3974.72	52.48	52.65	0.17	3922.21
MW - 6	04/16/08	3974.72	52.42	52.97	0.55	3922.22
MW - 6	04/23/08	3974.72	52.44	52.91	0.47	3922.21
MW - 6	04/30/08	3974.72	52.42	52.93	0.51	3922.22
MW - 6	05/29/08	3974.72	52.39	52.96	0.57	3922.24
MW - 6	06/02/08	3974.72	52.42	52.82	0.40	3922.24
MW - 6	06/03/08	3974.72	52.42	52.82	0.40	3922.24
MW - 6	06/11/08	3974.72	52.40	52.99	0.59	3922.23
MW - 6	06/18/08	3974.72	52.43	52.89	0.46	3922.22
MW - 6	06/23/08	3974.72	52.42	52.79	0.37	3922.24
MW - 6	07/01/08	3974.72	52.41	52.97	0.56	3922.23
MW - 6	07/09/08	3974.72	52.42	52.95	0.53	3922.22
MW - 6	07/15/08	3974.72	52.42	52.85	0.43	3922.24
MW - 6	07/22/08	3974.72	52.38	53.00	0.62	3922.25
MW - 6	08/02/08	3974.72	52.36	53.10	0.74	3922.25
MW - 6	08/13/08	3974.72	52.36	53.18	0.82	3922.24
MW - 6	09/03/08	3974.72	52.29	53.47	1.18	3922.25
MW - 6	09/11/08	3974.72	52.41	52.91	0.50	3922.24
MW - 6	09/19/08	3974.72	52.40	52.89	0.49	3922.25
MW - 6	09/26/08	3974.72	52.38	52.92	0.54	3922.26
MW - 6	10/10/08	3974.72	52.39	52.91	0.52	3922.25
MW - 6	10/17/08	3974.72	52.41	52.81	0.40	3922.25
MW - 6	10/21/08	3974.72	52.42	52.74	0.32	3922.25
MW - 6	10/30/08	3974.72	52.38	52.90	0.52	3922.26
MW - 6	11/04/08	3974.72	52.42	52.78	0.36	3922.25
MW - 6	11/18/08	3974.72	52.37	53.05	0.68	3922.25
MW - 6	11/25/08	3974.72	52.40	52.87	0.47	3922.25
MW - 6	11/25/08	3974.72	-	52.80	0.00	3921.92

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	12/10/08	3974.72	52.33	53.09	0.76	3922.28
MW - 6	12/18/08	3974.72	52.31	53.19	0.88	3922.28
MW - 6	01/06/09	3974.72	52.32	53.17	0.85	3922.27
MW - 6	01/14/09	3974.72	52.41	52.97	0.56	3922.23
MW - 6	01/21/09	3974.72	52.41	52.79	0.38	3922.25
MW - 6	01/22/09	3974.72	52.38	52.73	0.35	3922.29
MW - 6	01/30/09	3974.72	52.38	52.82	0.44	3922.27
MW - 6	02/03/09	3974.72	52.40	52.71	0.31	3922.27
MW - 6	02/12/09	3974.72	52.39	52.90	0.51	3922.25
MW - 6	02/19/09	3974.72	52.39	52.94	0.55	3922.25
MW - 6	03/04/09	3974.72	52.42	52.96	0.54	3922.22
MW - 6	03/06/09	3974.72	52.31	53.03	0.72	3922.30
MW - 6	03/11/09	3974.72	52.37	52.82	0.45	3922.28
MW - 6	03/16/09	3974.72	52.45	53.00	0.55	3922.19
MW - 6	03/19/09	3974.72	52.37	52.79	0.42	3922.29
MW - 6	03/24/09	3974.72	52.29	52.81	0.52	3922.35
MW - 6	04/03/09	3974.72	52.31	53.01	0.70	3922.31
MW - 6	04/15/09	3974.72	52.28	53.12	0.84	3922.31
MW - 6	04/17/09	3974.72	52.39	52.63	0.24	3922.29
MW - 6	04/22/09	3974.72	52.31	53.00	0.69	3922.31
MW - 6	04/29/09	3974.72	52.34	52.82	0.48	3922.31
MW - 6	05/20/09	3974.72	52.32	52.95	0.63	3922.31
MW - 6	05/20/09	3974.72	52.32	52.95	0.63	3922.31
MW - 6	06/09/09	3974.72	52.29	52.95	0.66	3922.33
MW - 6	06/17/09	3974.72	52.35	52.80	0.45	3922.30
MW - 6	06/23/09	3974.72	52.32	53.00	0.68	3922.30
MW - 6	07/01/09	3974.72	52.33	52.82	0.49	3922.32
MW - 6	07/08/09	3974.72	52.38	52.67	0.29	3922.30
MW - 6	07/15/09	3974.72	52.35	52.68	0.33	3922.32
MW - 6	07/17/09	3974.72	52.39	52.65	0.26	3922.29
MW - 6	07/23/09	3974.72	52.38	52.65	0.27	3922.30
MW - 6	07/24/09	3974.72	52.40	52.50	0.10	3922.31
MW - 6	07/30/09	3974.72	52.36	52.61	0.25	3922.32
MW - 6	08/04/09	3974.72	52.38	52.62	0.24	3922.30
MW - 6	08/12/09	3974.72	52.35	52.73	0.38	3922.31
MW - 6	08/20/09	3974.72	52.30	52.83	0.53	3922.34
MW - 6	08/26/09	3974.72	52.31	52.96	0.65	3922.31
MW - 6	09/02/09	3974.72	52.35	52.72	0.37	3922.31
MW - 6	09/09/09	3974.72	52.36	52.64	0.28	3922.32
MW - 6	09/14/09	3974.72	52.37	52.63	0.26	3922.31
MW - 6	09/21/09	3974.72	52.36	52.69	0.33	3922.31
MW - 6	10/01/09	3974.72	52.38	52.75	0.37	3922.28
MW - 6	10/08/09	3974.72	52.38	52.75	0.37	3922.28

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	10/14/09	3974.72	52.38	52.67	0.29	3922.30
MW - 6	10/21/09	3974.72	52.31	52.88	0.57	3922.32
MW - 6	10/28/09	3974.72	52.34	52.67	0.33	3922.33
MW - 6	11/04/09	3974.72	52.36	52.62	0.26	3922.32
MW - 6	11/11/09	3974.72	52.32	52.60	0.28	3922.36
MW - 6	11/18/09	3974.72	52.35	52.65	0.30	3922.33
MW - 6	11/25/09	3974.72	52.36	52.68	0.32	3922.31
MW - 6	12/02/09	3974.72	52.36	52.65	0.29	3922.32
MW - 6	12/10/09	3974.72	52.35	52.66	0.31	3922.32
MW - 6	12/17/09	3974.72	52.41	52.68	0.27	3922.27
MW - 6	12/21/09	3974.72	52.36	52.54	0.18	3922.33
MW - 6	12/30/09	3974.72	52.40	52.79	0.39	3922.26
MW - 6	01/07/10	3974.72	52.35	52.55	0.20	3922.34
MW - 6	01/18/10	3974.72	52.40	52.52	0.12	3922.30
MW - 6	02/02/10	3974.72	52.29	52.86	0.57	3922.34
MW - 6	02/11/10	3974.72	52.30	52.61	0.31	3922.37
MW - 6	02/18/10	3974.72	52.30	52.68	0.38	3922.36
MW - 6	02/25/10	3974.72	52.41	52.61	0.20	3922.28
MW - 6	03/02/10	3974.72	52.43	52.58	0.15	3922.27
MW - 6	03/04/10	3974.72	52.46	52.56	0.10	3922.25
MW - 6	03/10/10	3974.72	52.37	52.53	0.16	3922.33
MW - 6	03/12/10	3974.72	52.43	52.56	0.13	3922.27
MW - 6	03/15/10	3974.72	52.36	52.50	0.14	3922.34
MW - 6	03/18/10	3974.72	52.35	52.46	0.11	3922.35
MW - 6	03/22/10	3974.72	52.41	52.54	0.13	3922.29
MW - 6	03/24/10	3974.72	sheen	52.54	0.00	3922.18
MW - 6	03/30/10	3974.72	sheen	52.55	0.00	3922.17
MW - 6	04/07/10	3974.72	sheen	52.53	0.00	3922.19
MW - 6	04/12/10	3974.72	sheen	52.41	0.00	3922.31
MW - 6	04/16/10	3974.72	sheen	52.89	0.00	3921.83
MW - 6	04/20/10	3974.72	sheen	53.00	0.00	3921.72
MW - 6	04/27/10	3974.72	sheen	52.84	0.00	3921.88
MW - 6	04/30/10	3974.72	sheen	52.82	0.00	3921.90
MW - 6	05/12/10	3974.72	sheen	52.74	0.00	3921.98
MW - 6	05/14/10	3974.72	sheen	52.84	0.00	3921.88
MW - 6	05/17/10	3974.72	sheen	52.96	0.00	3921.76
MW - 6	05/20/10	3974.72	sheen	52.73	0.00	3921.99
MW - 6	05/25/10	3974.72	sheen	52.57	0.00	3922.15
MW - 6	06/01/10	3974.72	sheen	52.28	0.00	3922.44
MW - 6	06/09/10	3974.72	sheen	52.60	0.00	3922.12
MW - 6	06/16/10	3974.72	sheen	52.56	0.00	3922.16
MW - 6	06/28/10	3974.72	sheen	52.63	0.00	3922.09
MW - 6	07/09/10	3974.72	sheen	52.54	0.00	3922.18

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	07/14/10	3974.72	sheen	52.36	0.00	3922.36
MW - 6	07/23/10	3974.72	sheen	52.42	0.00	3922.30
MW - 6	07/29/10	3974.72	sheen	52.43	0.00	3922.29
MW - 6	08/05/10	3974.72	sheen	52.40	0.00	3922.32
MW - 6	08/12/10	3974.72	sheen	52.46	0.00	3922.26
MW - 6	08/16/10	3974.72	sheen	52.46	0.00	3922.26
MW - 6	08/18/10	3974.72	sheen	52.35	0.00	3922.37
MW - 6	08/25/10	3974.72	sheen	52.42	0.00	3922.30
MW - 6	09/02/10	3974.72	sheen	52.29	0.00	3922.43
MW - 6	09/08/10	3974.72	sheen	52.46	0.00	3922.26
MW - 6	09/30/10	3974.72	sheen	52.37	0.00	3922.35
MW - 6	10/07/10	3974.72	sheen	52.45	0.00	3922.27
MW - 6	10/14/10	3974.72	sheen	52.75	0.00	3921.97
MW - 6	10/21/10	3974.72	sheen	52.73	0.00	3921.99
MW - 6	11/04/10	3974.72	sheen	52.35	0.00	3922.37
MW - 6	11/10/10	3974.72	sheen	52.73	0.00	3921.99
MW - 6	12/01/10	3974.72	sheen	52.41	0.00	3922.31
MW - 6	12/08/10	3974.72	sheen	52.44	0.00	3922.28
MW - 6	01/26/11	3974.72	sheen	52.45	0.00	3922.27
MW - 6	02/28/11	3974.72	-	52.72	0.00	3922.00
MW - 6	03/04/11	3974.72	52.41	52.45	0.04	3922.30
MW - 6	03/09/11	3974.72	52.52	52.58	0.06	3922.19
MW - 6	04/28/11	3974.72	52.38	52.47	0.09	3922.33
MW - 6	05/04/11	3974.72	52.35	52.40	0.05	3922.36
MW - 6	05/11/11	3974.72	52.46	52.49	0.03	3922.26
MW - 6	05/12/11	3974.72	-	52.44	0.00	3922.28
MW - 6	05/18/11	3974.72	-	52.35	0.00	3922.37
MW - 6	05/23/11	3974.72	52.29	52.49	0.20	3922.40
MW - 6	06/08/11	3974.72	-	52.51	0.00	3922.21
MW - 6	06/16/11	3974.72	52.30	52.41	0.11	3922.40
MW - 6	06/22/11	3974.72	52.32	52.41	0.09	3922.39
MW - 6	06/30/11	3974.72	52.40	52.64	0.24	3922.28
MW - 6	07/06/11	3974.72	-	52.37	0.00	3922.35
MW - 6	07/13/11	3974.72	-	52.40	0.00	3922.32
MW - 6	07/15/11	3974.72	-	52.46	0.00	3922.26
MW - 6	07/19/11	3974.72	-	52.46	0.00	3922.26
MW - 6	07/21/11	3974.72	-	52.38	0.00	3922.34
MW - 6	07/26/11	3974.72	-	52.43	0.00	3922.29
MW - 6	07/28/11	3974.72	-	52.42	0.00	3922.30
MW - 6	08/02/11	3974.72	-	52.64	0.00	3922.08
MW - 6	08/09/11	3974.72	-	52.48	0.00	3922.24
MW - 6	08/12/11	3974.72	-	52.60	0.00	3922.12
MW - 6	08/15/11	3974.72	-	52.60	0.00	3922.12

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	08/16/11	3974.72	-	52.42	0.00	3922.30
MW - 6	08/19/11	3974.72	-	52.50	0.00	3922.22
MW - 6	08/23/11	3974.72	-	52.55	0.00	3922.17
MW - 6	08/26/11	3974.72	-	52.57	0.00	3922.15
MW - 6	08/30/11	3974.72	-	52.38	0.00	3922.34
MW - 6	09/01/11	3974.72	-	52.42	0.00	3922.30
MW - 6	09/08/11	3974.72	-	52.64	0.00	3922.08
MW - 6	09/13/11	3974.72	-	52.54	0.00	3922.18
MW - 6	09/15/11	3974.72	-	52.60	0.00	3922.12
MW - 6	09/22/11	3974.72	-	52.46	0.00	3922.26
MW - 6	10/06/11	3974.72	-	52.46	0.00	3922.26
MW - 6	10/11/11	3974.72	-	52.45	0.00	3922.27
MW - 6	10/13/11	3974.72	52.60	52.64	0.04	3922.11
MW - 6	10/26/11	3974.72	52.41	52.64	0.23	3922.28
MW - 6	11/22/11	3974.72	-	52.57	0.00	3922.15
MW - 6	12/02/11	3974.72	-	52.41	0.00	3922.31
MW - 6	12/29/11	3974.72	-	52.35	0.00	3922.37
MW - 6	01/26/12	3974.72	-	52.57	0.00	3922.15
MW - 6	01/31/12	3974.72	-	52.44	0.00	3922.28
MW - 6	02/15/12	3974.72	-	52.38	0.00	3922.34
MW - 6	02/28/12	3974.72	-	52.37	0.00	3922.35
MW - 6	03/20/12	3974.72	52.43	52.59	0.16	3922.27
MW - 6	03/27/12	3974.72	52.44	52.61	0.17	3922.25
MW - 6	04/10/12	3974.72	52.45	52.70	0.25	3922.23
MW - 6	04/19/12	3974.72	52.44	52.67	0.23	3922.25
MW - 6	04/26/12	3974.72	52.32	52.46	0.14	3922.38
MW - 6	05/08/12	3974.72	52.33	52.47	0.14	3922.37
MW - 6	05/15/12	3974.72	52.31	52.63	0.32	3922.36
MW - 6	05/17/12	3974.72	52.30	52.62	0.32	3922.37
MW - 6	06/05/12	3974.72	52.33	52.78	0.45	3922.32
MW - 6	06/21/12	3974.72	52.33	52.89	0.56	3922.31
MW - 6	06/28/12	3974.72	52.32	52.94	0.62	3922.31
MW - 6	07/17/12	3974.72	52.31	52.97	0.66	3922.31
MW - 6	08/01/12	3974.72	52.42	52.73	0.31	3922.25
MW - 6	10/02/12	3974.72	52.41	53.29	0.88	3922.18
MW - 6	10/09/12	3974.72	52.58	52.88	0.30	3922.10
MW - 6	10/16/12	3974.72	52.47	52.83	0.36	3922.20
MW - 6	10/25/12	3974.72	52.46	52.90	0.44	3922.19
MW - 6	10/30/12	3974.72	52.46	52.95	0.49	3922.19
MW - 6	11/29/12	3974.72	52.54	53.10	0.56	3922.10
MW - 6	12/14/12	3974.72	52.48	53.09	0.61	3922.15
MW - 6	02/11/13	3974.72	52.41	53.08	0.67	3922.21
MW - 6	03/18/13	3974.72	52.52	52.74	0.22	3922.17

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	04/11/13	3974.72	52.89	52.90	0.01	3921.83
MW - 6	05/06/13	3974.72	52.53	52.60	0.07	3922.18
MW - 6	05/29/13	3974.72	52.89	52.91	0.02	3921.83
MW - 6	06/26/13	3974.72	-	52.90	0.00	3921.82
MW - 6	07/31/13	3974.72	-	52.76	0.00	3921.96
MW - 6	08/06/13	3974.72	52.72	52.73	0.01	3922.00
MW - 6	09/30/13	3974.72	52.78	52.79	0.01	3921.94
MW - 6	11/18/13	3974.72	52.66	52.71	0.05	3922.05
MW - 6	02/04/14	3974.72	52.62	52.72	0.10	3922.09
MW - 6	04/28/14	3974.72	52.66	52.74	0.08	3922.05
MW - 6	05/28/14	3974.72	52.83	52.85	0.02	3921.89
MW - 6	07/30/14	3974.72	52.84	52.96	0.12	3921.86
MW - 6	08/23/14	3974.72	52.97	53.04	0.07	3921.74
MW - 6	09/10/14	3974.72	52.85	53.00	0.15	3921.85
MW - 6	09/23/14	3974.72	52.90	52.98	0.08	3921.81
MW - 6	10/31/14	3974.72	52.79	52.87	0.08	3921.92
MW - 6	11/18/14	3974.72	52.81	52.85	0.04	3921.90
MW - 6	01/05/15	3974.72	52.78	53.04	0.26	3921.90
MW - 6	01/09/15	3974.72	52.74	52.80	0.06	3921.97
MW - 6	01/14/15	3974.72	52.75	52.81	0.06	3921.96
MW - 6	01/21/15	3974.72	52.77	53.06	0.29	3921.91
MW - 6	02/19/15	3974.72	-	52.85	0.00	3921.87
MW - 6	03/09/15	3974.72	52.78	53.06	0.28	3921.90
MW - 6	03/11/15	3974.72	52.75	52.83	0.08	3921.96
MW - 6	03/31/15	3974.72	52.79	53.10	0.31	3921.88
MW - 6	04/09/15	3974.72	-	52.75	0.00	3921.97
MW - 6	04/15/15	3974.72	-	52.75	0.00	3921.97
MW - 6	04/22/15	3974.72	-	52.76	0.00	3921.96
MW - 6	05/12/15	3974.72	52.72	52.76	0.04	3921.99
MW - 6	05/26/15	3974.72	52.78	52.97	0.19	3921.91
MW - 6	06/01/15	3974.72	52.74	52.78	0.04	3921.97
MW - 6	06/04/15	3974.72	52.75	52.84	0.09	3921.96
MW - 6	07/27/15	3974.72	-	53.26	0.00	3921.46
MW - 6	08/18/15	3974.72	-	52.75	0.00	3921.97
MW - 6	10/08/15	3974.72	-	53.34	0.00	3921.38
MW - 6	10/21/15	3974.72	-	52.83	0.00	3921.89
MW - 6	11/23/15	3974.72	-	52.80	0.00	3921.92
MW - 6	01/12/16	3974.72	-	52.85	0.00	3921.87
MW - 6	02/11/16	3974.72	-	52.81	0.00	3921.91
MW - 6	02/24/16	3974.72	-	52.80	0.00	3921.92
MW - 6	06/13/16	3974.72	-	52.82	0.00	3921.90
MW - 6	08/02/16	3974.72	52.89	52.90	0.01	3921.83
MW - 6	11/28/16	3974.72	-	52.87	0.00	3921.85

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	02/21/17	3974.72	-	52.93	0.00	3921.79
MW - 6	05/24/17	3974.72	52.82	52.91	0.09	3921.89
MW - 6	07/12/17	3974.72	-	52.91	0.00	3921.81
MW - 6	08/11/17	3974.72	52.80	52.84	0.04	3921.91
MW - 6	10/18/17	3974.72	52.94	53.09	0.15	3921.76
MW - 6	11/28/17	3974.72	52.93	53.11	0.18	3921.76
MW - 6	12/19/17	3974.72	52.96	53.07	0.11	3921.74
MW - 6	01/16/18	3974.72	52.94	53.08	0.14	3921.76
MW - 6	02/26/18	3974.72	52.91	53.06	0.15	3921.79
MW - 6	04/03/18	3974.72	52.91	52.98	0.07	3921.80
MW - 6	04/17/18	3974.72	52.91	52.98	0.07	3921.80
MW - 6	05/07/18	3974.72	52.95	53.10	0.15	3921.75
MW - 6	06/26/18	3974.72	52.98	53.14	0.16	3921.72
MW - 6	07/12/18	3974.72	52.97	53.20	0.23	3921.72
MW - 6	08/01/18	3974.72	53.01	53.24	0.23	3921.68
MW - 6	08/09/18	3974.72	52.93	53.21	0.28	3921.75
MW - 6	08/23/18	3974.72	52.99	53.29	0.30	3921.69
MW - 6	08/30/18	3974.72	53.01	53.31	0.30	3921.67
MW - 6	08/31/18	3974.72	52.98	53.30	0.32	3921.69
MW - 6	09/11/18	3974.72	53.02	53.11	0.09	3921.69
MW - 6	09/13/18	3974.72	53.01	53.07	0.06	3921.70
MW - 6	09/19/18	3974.72	53.03	53.10	0.07	3921.68
MW - 6	09/26/18	3974.72	53.01	53.06	0.05	3921.70
MW - 6	10/04/18	3974.72	53.02	53.06	0.04	3921.69
MW - 6	11/14/18	3974.72	53.04	53.06	0.02	3921.68
MW - 6	12/18/18	3974.72	53.02	53.06	0.04	3921.69
MW - 6	02/18/19	3974.72	53.02	53.04	0.02	3921.70
MW - 6	05/14/19	3974.72	53.02	53.04	0.02	3921.70
MW - 6	08/19/19	3974.72	53.24	53.27	0.03	3921.48
MW - 7	03/02/00	3974.60	-	53.17	0.00	3921.43
MW - 7	04/25/00	3974.60	-	53.23	0.00	3921.37
MW - 7	09/06/00	3974.60	-	53.28	0.00	3921.32
MW - 7	11/28/00	3974.60	-	53.28	0.00	3921.32
MW - 7	02/21/01	3974.60	-	53.18	0.00	3921.42
MW - 7	05/31/01	3974.60	-	53.15	0.00	3921.45
MW - 7	08/23/01	3974.60	-	53.14	0.00	3921.46
MW - 7	11/21/01	3974.60	-	53.19	0.00	3921.41
MW - 7	02/13/02	3974.60	-	53.22	0.00	3921.38
MW - 7	06/12/02	3974.60	-	53.18	0.00	3921.42
MW - 7	08/26/02	3974.60	-	53.19	0.00	3921.41
MW - 7	11/21/02	3974.60	-	53.23	0.00	3921.37
MW - 7	02/05/03	3974.60	-	53.20	0.00	3921.40

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 7	05/07/03	3974.60	-	53.18	0.00	3921.42
MW - 7	08/18/03	3974.60	-	53.21	0.00	3921.39
MW - 7	12/01/03	3974.60	-	53.24	0.00	3921.36
MW - 7	02/05/04	3974.60	-	53.27	0.00	3921.33
MW - 7	05/05/04	3974.60	-	53.22	0.00	3921.38
MW - 7	09/01/04	3974.60	-	53.30	0.00	3921.30
MW - 7	12/15/04	3974.60	-	53.25	0.00	3921.35
MW - 7	03/22/05	3974.60	-	53.03	0.00	3921.57
MW - 7	06/22/05	3974.60	-	52.95	0.00	3921.65
MW - 7	09/21/05	3974.60	-	52.87	0.00	3921.73
MW - 7	12/16/05	3974.60	-	52.80	0.00	3921.80
MW - 7	03/20/06	3974.60	-	52.73	0.00	3921.87
MW - 7	06/21/06	3974.60	-	52.69	0.00	3921.91
MW - 7	09/27/06	3974.60	-	52.67	0.00	3921.93
MW - 7	12/04/06	3974.60	-	52.68	0.00	3921.92
MW - 7	03/14/07	3974.60	-	52.64	0.00	3921.96
MW - 7	05/29/07	3974.60	-	52.61	0.00	3921.99
MW - 7	08/30/07	3974.60	-	52.58	0.00	3922.02
MW - 7	11/12/07	3974.60	-	52.54	0.00	3922.06
MW - 7	03/07/08	3974.60	-	52.49	0.00	3922.11
MW - 7	06/02/08	3974.60	-	52.43	0.00	3922.17
MW - 7	09/03/08	3974.60	-	52.44	0.00	3922.16
MW - 7	12/08/08	3974.60	-	52.41	0.00	3922.19
MW - 7	02/19/09	3974.60	-	52.41	0.00	3922.19
MW - 7	05/20/09	3974.60	-	52.35	0.00	3922.25
MW - 7	08/12/09	3974.60	-	52.34	0.00	3922.26
MW - 7	11/25/09	3974.60	-	52.34	0.00	3922.26
MW - 7	01/07/10	3974.60	-	52.33	0.00	3922.27
MW - 7	02/11/10	3974.60	-	52.31	0.00	3922.29
MW - 7	05/17/10	3974.60	-	52.39	0.00	3922.21
MW - 7	08/16/10	3974.60	-	52.40	0.00	3922.20
MW - 7	11/10/10	3974.60	-	52.39	0.00	3922.21
MW - 7	02/28/11	3974.60	-	53.42	0.00	3921.18
MW - 7	05/12/11	3974.60	-	52.31	0.00	3922.29
MW - 7	08/15/11	3974.60	-	52.42	0.00	3922.18
MW - 7	11/22/11	3974.60	-	52.37	0.00	3922.23
MW - 7	02/28/12	3974.60	-	52.35	0.00	3922.25
MW - 7	05/17/12	3974.60	-	52.28	0.00	3922.32
MW - 7	08/01/12	3974.60	-	52.39	0.00	3922.21
MW - 7	10/25/12	3974.60	-	52.47	0.00	3922.13
MW - 7	11/29/12	3974.60	-	52.56	0.00	3922.04
MW - 7	02/11/13	3974.60	-	52.44	0.00	3922.16
MW - 7	04/11/13	3974.60	-	52.76	0.00	3921.84

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 7	05/06/13	3974.60	-	52.46	0.00	3922.14
MW - 7	05/29/13	3974.60	-	52.71	0.00	3921.89
MW - 7	06/26/13	3974.60	-	52.68	0.00	3921.92
MW - 7	07/31/13	3974.60	-	52.62	0.00	3921.98
MW - 7	08/06/13	3974.60	-	52.62	0.00	3921.98
MW - 7	09/30/13	3974.60	-	52.65	0.00	3921.95
MW - 7	11/19/13	3974.60	-	52.65	0.00	3921.95
MW - 7	12/08/13	3974.60	-	52.60	0.00	3922.00
MW - 7	02/04/14	3974.60	-	52.61	0.00	3921.99
MW - 7	04/28/14	3974.60	-	52.61	0.00	3921.99
MW - 7	05/28/14	3974.60	-	52.74	0.00	3921.86
MW - 7	07/30/14	3974.60	-	52.70	0.00	3921.90
MW - 7	08/23/14	3974.60	-	52.76	0.00	3921.84
MW - 7	10/31/14	3974.60	-	52.75	0.00	3921.85
MW - 7	11/18/14	3974.60	-	52.71	0.00	3921.89
MW - 7	01/09/15	3974.60	-	52.68	0.00	3921.92
MW - 7	02/19/15	3974.60	-	52.71	0.00	3921.89
MW - 7	03/09/15	3974.60	-	52.78	0.00	3921.82
MW - 7	04/09/15	3974.60	-	52.64	0.00	3921.96
MW - 7	05/12/15	3974.60	-	52.64	0.00	3921.96
MW - 7	07/27/15	3974.60	-	52.78	0.00	3921.82
MW - 7	08/18/15	3974.60	-	52.66	0.00	3921.94
MW - 7	10/08/15	3974.60	-	52.88	0.00	3921.72
MW - 7	11/23/15	3974.60	-	52.70	0.00	3921.90
MW - 7	01/12/16	3974.60	-	52.74	0.00	3921.86
MW - 7	02/24/16	3974.60	-	52.74	0.00	3921.86
MW - 7	06/13/16	3974.60	-	52.72	0.00	3921.88
MW - 7	08/02/16	3974.60	-	52.86	0.00	3921.74
MW - 7	11/28/16	3974.60	-	52.80	0.00	3921.80
MW - 7	02/21/17	3974.60	-	52.77	0.00	3921.83
MW - 7	05/24/17	3974.60	-	52.73	0.00	3921.87
MW - 7	07/12/17	3974.60	-	52.85	0.00	3921.75
MW - 7	08/11/17	3974.60	-	52.80	0.00	3921.80
MW - 7	10/18/17	3974.60	-	52.92	0.00	3921.68
MW - 7	11/28/17	3974.60	-	52.89	0.00	3921.71
MW - 7	01/16/18	3974.60	-	52.89	0.00	3921.71
MW - 7	02/26/18	3974.60	-	52.84	0.00	3921.76
MW - 7	04/03/18	3974.60	-	52.47	0.00	3922.13
MW - 7	04/17/18	3974.60	-	52.86	0.00	3921.74
MW - 7	05/07/18	3974.60	-	52.91	0.00	3921.69
MW - 7	06/26/18	3974.60	-	52.92	0.00	3921.68
MW - 7	08/09/18	3974.60	-	52.93	0.00	3921.67
MW - 7	09/11/18	3974.60	-	52.94	0.00	3921.66

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 7	11/14/18	3974.60	-	53.03	0.00	3921.57
MW - 7	12/18/18	3974.60	-	52.97	0.00	3921.63
MW - 7	02/18/19	3974.60	-	52.99	0.00	3921.61
MW - 7	05/14/19	3974.60	-	52.95	0.00	3921.65
MW - 7	08/19/19	3974.60	-	53.16	0.00	3921.44
MW - 7	11/11/19	3974.60	-	53.12	0.00	3921.48
MW - 8	03/02/00	3974.48	-	52.89	0.00	3921.59
MW - 8	04/25/00	3974.48	-	52.96	0.00	3921.52
MW - 8	09/06/00	3974.48	-	53.00	0.00	3921.48
MW - 8	11/28/00	3974.48	-	53.00	0.00	3921.48
MW - 8	02/21/01	3974.48	-	52.90	0.00	3921.58
MW - 8	05/31/01	3974.48	-	52.85	0.00	3921.63
MW - 8	08/23/01	3974.48	-	52.87	0.00	3921.61
MW - 8	11/21/01	3974.48	-	52.92	0.00	3921.56
MW - 8	02/13/02	3974.48	-	52.96	0.00	3921.52
MW - 8	06/12/02	3974.48	-	52.93	0.00	3921.55
MW - 8	08/26/02	3974.48	-	52.92	0.00	3921.56
MW - 8	11/21/02	3974.48	-	52.98	0.00	3921.50
MW - 8	02/05/03	3974.48	-	52.90	0.00	3921.58
MW - 8	05/07/03	3974.48	-	52.89	0.00	3921.59
MW - 8	08/18/03	3974.48	-	52.96	0.00	3921.52
MW - 8	12/01/03	3974.48	-	53.00	0.00	3921.48
MW - 8	02/05/04	3974.48	-	52.99	0.00	3921.49
MW - 8	05/05/04	3974.48	-	52.98	0.00	3921.50
MW - 8	09/01/04	3974.48	-	53.05	0.00	3921.43
MW - 8	12/15/04	3974.48	-	53.00	0.00	3921.48
MW - 8	03/22/05	3974.48	-	52.80	0.00	3921.68
MW - 8	06/22/05	3974.48	-	52.68	0.00	3921.80
MW - 8	09/14/05	PLUGGED & ABANDONED				
MW - 9	03/02/00	3975.06	53.07	54.26	1.19	3921.81
MW - 9	04/25/00	3975.06	53.11	54.34	1.23	3921.77
MW - 9	09/06/00	3975.06	53.04	55.02	1.98	3921.72
MW - 9	11/28/00	3975.06	53.13	54.90	1.77	3921.66
MW - 9	02/02/01	3975.06	53.14	54.19	1.05	3921.76
MW - 9	05/31/01	3975.06	53.08	54.81	1.73	3921.72
MW - 9	08/23/01	3975.06	52.88	55.30	2.42	3921.82
MW - 9	11/21/01	3975.06	53.15	54.20	1.05	3921.75
MW - 9	02/13/02	3975.06	52.86	55.73	2.87	3921.77
MW - 9	06/12/02	3975.06	52.82	55.67	2.85	3921.81
MW - 9	08/26/02	3975.06	52.83	55.70	2.87	3921.80
MW - 9	11/08/02	3975.06	52.90	55.81	2.91	3921.72

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 9	11/21/02	3975.06	52.90	55.77	2.87	3921.73
MW - 9	12/27/02	3975.06	53.13	54.68	1.55	3921.70
MW - 9	01/06/03	3975.06	53.07	54.97	1.90	3921.71
MW - 9	01/08/03	3975.06	53.04	55.02	1.98	3921.72
MW - 9	01/10/03	3975.06	53.03	55.09	2.06	3921.72
MW - 9	01/13/03	3975.06	53.03	55.09	2.06	3921.72
MW - 9	02/05/03	3975.06	52.96	55.30	2.34	3921.75
MW - 9	02/26/03	3975.06	52.96	55.52	2.56	3921.72
MW - 9	03/04/03	3975.06	52.96	55.56	2.60	3921.71
MW - 9	03/12/03	3975.06	52.94	55.46	2.52	3921.74
MW - 9	03/18/03	3975.06	53.02	57.71	4.69	3921.34
MW - 9	03/25/03	3975.06	53.37	53.40	0.03	3921.69
MW - 9	03/31/03	3975.06	53.36	53.39	0.03	3921.70
MW - 9	04/09/03	3975.06	53.31	53.72	0.41	3921.69
MW - 9	04/14/03	3975.06	53.28	53.40	0.12	3921.76
MW - 9	05/07/03	3975.06	53.07	54.49	1.42	3921.78
MW - 9	05/08/03	3975.06	53.04	54.59	1.55	3921.79
MW - 9	05/13/03	3975.06	53.18	54.84	1.66	3921.63
MW - 9	05/21/03	3975.06	53.08	54.97	1.89	3921.70
MW - 9	05/27/03	3975.06	53.07	55.10	2.03	3921.69
MW - 9	05/28/03	3975.06	53.11	55.35	2.24	3921.61
MW - 9	06/03/03	3975.06	53.34	54.20	0.86	3921.59
MW - 9	06/10/03	3975.06	53.40	53.46	0.06	3921.65
MW - 9	07/01/03	3975.06	53.48	53.97	0.49	3921.51
MW - 9	07/08/03	3975.06	53.38	53.94	0.56	3921.60
MW - 9	07/29/03	3975.06	53.12	54.49	1.37	3921.73
MW - 9	08/04/03	3975.06	53.32	54.96	1.64	3921.49
MW - 9	08/18/03	3975.06	53.31	54.09	0.78	3921.63
MW - 9	08/25/03	3975.06	53.29	55.42	2.13	3921.45
MW - 9	10/01/03	3975.06	53.18	53.41	0.23	3921.85
MW - 9	10/06/03	3975.06	53.30	53.86	0.56	3921.68
MW - 9	10/08/03	3975.06	53.60	54.33	0.73	3921.35
MW - 9	10/15/03	3975.06	53.64	54.02	0.38	3921.36
MW - 9	11/12/03	3975.06	53.61	54.98	1.37	3921.24
MW - 9	11/19/03	3975.06	53.51	55.20	1.69	3921.30
MW - 9	12/01/03	3975.06	53.54	55.31	1.77	3921.25
MW - 9	12/10/03	3975.06	53.21	54.93	1.72	3921.59
MW - 9	02/05/04	3975.06	53.60	55.27	1.67	3921.21
MW - 9	02/17/04	3975.06	53.33	54.62	1.29	3921.54
MW - 9	02/25/04	3975.06	53.62	55.29	1.67	3921.19
MW - 9	03/09/04	3975.06	53.41	55.55	2.14	3921.33
MW - 9	03/16/04	3975.06	53.28	55.11	1.83	3921.51
MW - 9	03/22/04	3975.06	53.41	53.89	0.48	3921.58

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 9	04/07/04	3975.06	53.73	53.81	0.08	3921.32
MW - 9	04/12/04	3975.06	53.55	53.96	0.41	3921.45
MW - 9	04/19/04	3975.06	53.69	53.86	0.17	3921.34
MW - 9	05/05/04	3975.06	53.50	54.22	0.72	3921.45
MW - 9	05/11/04	3975.06	53.60	54.98	1.38	3921.25
MW - 9	06/07/04	3975.06	53.10	54.64	1.54	3921.73
MW - 9	06/15/04	3975.06	53.11	54.69	1.58	3921.71
MW - 9	06/20/04	3975.06	53.11	54.69	1.58	3921.71
MW - 9	06/21/04	3975.06	53.08	54.57	1.49	3921.76
MW - 9	06/28/04	3975.06	53.08	54.86	1.78	3921.71
MW - 9	07/08/04	3975.06	53.09	54.79	1.70	3921.72
MW - 9	07/12/04	3975.06	53.10	54.81	1.71	3921.70
MW - 9	08/12/04	3975.06	53.26	54.66	1.40	3921.59
MW - 9	08/17/04	3975.06	53.27	54.85	1.58	3921.55
MW - 9	08/26/04	3975.06	53.38	54.30	0.92	3921.54
MW - 9	09/01/04	3975.06	53.44	54.08	0.64	3921.52
MW - 9	09/03/04	3975.06	53.44	53.99	0.55	3921.54
MW - 9	09/08/04	3975.06	53.38	54.40	1.02	3921.53
MW - 9	09/14/04	3975.06	53.44	54.13	0.69	3921.52
MW - 9	09/22/04	3975.06	53.51	54.20	0.69	3921.45
MW - 9	10/01/04	3975.06	53.36	54.50	1.14	3921.53
MW - 9	10/08/04	3975.06	53.53	54.11	0.58	3921.44
MW - 9	10/15/04	3975.06	53.35	54.36	1.01	3921.56
MW - 9	10/22/04	3975.06	53.50	54.19	0.69	3921.46
MW - 9	11/12/04	3975.06	53.62	54.40	0.78	3921.32
MW - 9	11/26/04	3975.06	53.45	54.50	1.05	3921.45
MW - 9	12/02/04	3975.06	53.43	54.39	0.96	3921.49
MW - 9	12/06/04	3975.06	53.42	54.10	0.68	3921.54
MW - 9	12/13/04	3975.06	53.43	54.00	0.57	3921.54
MW - 9	12/15/04	3975.06	53.43	54.00	0.57	3921.54
MW - 9	12/27/04	3975.06	53.40	54.30	0.90	3921.53
MW - 9	01/10/05	3975.06	53.34	53.81	0.47	3921.65
MW - 9	01/18/05	3975.06	53.30	53.90	0.60	3921.67
MW - 9	01/25/05	3975.06	53.25	54.05	0.80	3921.69
MW - 9	01/27/05	3975.06	53.33	53.51	0.18	3921.70
MW - 9	02/01/05	3975.06	53.22	53.66	0.44	3921.77
MW - 9	02/07/05	3975.06	53.19	53.60	0.41	3921.81
MW - 9	02/11/05	3975.06	53.20	53.59	0.39	3921.80
MW - 9	02/15/05	3975.06	53.05	53.55	0.50	3921.94
MW - 9	02/22/05	3975.06	53.20	53.59	0.39	3921.80
MW - 9	02/24/05	3975.06	53.05	53.70	0.65	3921.91
MW - 9	03/03/05	3975.06	53.13	53.78	0.65	3921.83
MW - 9	03/09/05	3975.06	53.13	53.78	0.65	3921.83

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 9	03/22/05	3975.06	52.90	53.85	0.95	3922.02
MW - 9	03/24/05	3975.06	52.90	53.85	0.95	3922.02
MW - 9	03/31/05	3975.06	52.92	53.76	0.84	3922.01
MW - 9	06/22/05	3975.06	53.82	54.18	0.36	3921.19
MW - 9	07/21/05	3975.06	52.94	53.55	0.61	3922.03
MW - 9	08/03/05	3975.06	52.87	53.86	0.99	3922.04
MW - 9	08/12/05	3975.06	52.92	53.63	0.71	3922.03
MW - 9	08/15/05	3975.06	52.92	53.48	0.56	3922.06
MW - 9	08/22/05	3975.06	52.87	53.64	0.77	3922.07
MW - 9	08/30/05	3975.06	52.80	53.97	1.17	3922.08
MW - 9	09/07/05	3975.06	52.83	53.74	0.91	3922.09
MW - 9	09/14/05	3975.06	52.85	53.40	0.55	3922.13
MW - 9	09/20/05	3975.06	52.80	53.90	1.10	3922.10
MW - 9	09/21/05	3975.06	52.86	53.62	0.76	3922.09
MW - 9	09/28/05	3975.06	52.78	54.02	1.24	3922.09
MW - 9	10/06/05	3975.06	52.83	53.70	0.87	3922.10
MW - 9	10/13/05	3975.06	52.86	53.64	0.78	3922.08
MW - 9	10/20/05	3975.06	52.81	53.50	0.69	3922.15
MW - 9	10/26/05	3975.06	52.87	53.60	0.73	3922.08
MW - 9	11/03/05	3975.06	52.77	53.88	1.11	3922.12
MW - 9	11/10/05	3975.06	52.76	53.83	1.07	3922.14
MW - 9	11/16/05	3975.06	52.84	53.59	0.75	3922.11
MW - 9	11/23/05	3975.06	52.90	53.51	0.61	3922.07
MW - 9	11/28/05	3975.06	52.75	53.80	1.05	3922.15
MW - 9	12/05/05	3975.06	52.85	53.48	0.63	3922.12
MW - 9	12/12/05	3975.06	52.84	53.50	0.66	3922.12
MW - 9	12/16/05	3975.06	53.00	53.41	0.41	3922.00
MW - 9	12/19/05	3975.06	52.89	53.51	0.62	3922.08
MW - 9	12/29/05	3975.06	52.73	53.55	0.82	3922.21
MW - 9	01/04/06	3975.06	52.76	53.51	0.75	3922.19
MW - 9	01/10/06	3975.06	52.68	53.51	0.83	3922.26
MW - 9	01/17/06	3975.06	52.77	53.85	1.08	3922.13
MW - 9	01/26/06	3975.06	52.75	53.80	1.05	3922.15
MW - 9	01/31/06	3975.06	52.79	53.75	0.96	3922.13
MW - 9	02/07/06	3975.06	52.79	53.70	0.91	3922.13
MW - 9	02/09/06	3975.06	52.90	53.10	0.20	3922.13
MW - 9	02/13/06	3975.06	52.76	53.58	0.82	3922.18
MW - 9	02/22/06	3975.06	52.79	53.60	0.81	3922.15
MW - 9	02/28/06	3975.06	52.77	53.60	0.83	3922.17
MW - 9	03/07/06	3975.06	52.76	53.58	0.82	3922.18
MW - 9	03/15/06	3975.06	52.75	53.60	0.85	3922.18
MW - 9	03/20/06	3975.06	52.75	53.52	0.77	3922.19
MW - 9	03/22/06	3975.06	52.96	52.98	0.02	3922.10

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 9	03/29/06	3975.06	52.80	53.21	0.41	3922.20
MW - 9	04/11/06	3975.06	52.74	53.42	0.68	3922.22
MW - 9	04/18/06	3975.06	52.75	53.41	0.66	3922.21
MW - 9	04/25/06	3975.06	52.83	53.07	0.24	3922.19
MW - 9	05/02/06	3975.06	52.74	53.34	0.60	3922.23
MW - 9	05/09/06	3975.06	52.73	53.34	0.61	3922.24
MW - 9	05/16/06	3975.06	52.74	53.43	0.69	3922.22
MW - 9	05/23/06	3975.06	52.71	53.48	0.77	3922.23
MW - 9	05/31/06	3975.06	52.71	53.54	0.83	3922.23
MW - 9	06/06/06	3975.06	52.73	53.88	1.15	3922.16
MW - 9	06/13/06	3975.06	52.72	53.38	0.66	3922.24
MW - 9	06/20/06	3975.06	52.72	53.38	0.66	3922.24
MW - 9	06/21/06	3975.06	52.79	53.07	0.28	3922.23
MW - 9	07/06/06	3975.06	52.69	53.52	0.83	3922.25
MW - 9	07/12/06	3975.06	52.66	53.66	1.00	3922.25
MW - 9	07/20/06	3975.06	52.63	53.61	0.98	3922.28
MW - 9	07/25/06	3975.06	52.75	53.70	0.95	3922.17
MW - 9	08/01/06	3975.06	52.70	53.49	0.79	3922.24
MW - 9	08/16/06	3975.06	52.68	53.69	1.01	3922.23
MW - 9	08/23/06	3975.06	52.70	53.47	0.77	3922.24
MW - 9	08/28/06	3975.06	52.72	53.36	0.64	3922.24
MW - 9	09/12/06	3975.06	52.67	53.65	0.98	3922.24
MW - 9	09/22/06	3975.06	52.65	53.60	0.95	3922.27
MW - 9	09/27/06	3975.06	52.70	53.38	0.68	3922.26
MW - 9	10/06/06	3975.06	52.64	53.64	1.00	3922.27
MW - 9	10/10/06	3975.06	52.71	53.30	0.59	3922.26
MW - 9	10/16/06	3975.06	52.74	53.39	0.65	3922.22
MW - 9	10/26/06	3975.06	52.68	53.49	0.81	3922.26
MW - 9	11/03/06	3975.06	52.69	53.39	0.70	3922.27
MW - 9	11/09/06	3975.06	52.70	53.35	0.65	3922.26
MW - 9	11/16/06	3975.06	52.70	53.35	0.65	3922.26
MW - 9	11/22/06	3975.06	52.71	53.29	0.58	3922.26
MW - 9	12/04/06	3975.06	52.66	53.45	0.79	3922.28
MW - 9	12/08/06	3975.06	52.65	53.55	0.90	3922.28
MW - 9	12/15/06	3975.06	52.67	53.32	0.65	3922.29
MW - 9	01/05/07	3975.06	52.61	53.62	1.01	3922.30
MW - 9	01/12/07	3975.06	52.66	53.37	0.71	3922.29
MW - 9	01/18/07	3975.06	52.68	53.30	0.62	3922.29
MW - 9	01/24/07	3975.06	52.69	53.28	0.59	3922.28
MW - 9	01/29/07	3975.06	52.67	53.20	0.53	3922.31
MW - 9	02/09/07	3975.06	52.63	53.36	0.73	3922.32
MW - 9	02/16/07	3975.06	52.65	53.34	0.69	3922.31
MW - 9	02/23/07	3975.06	52.63	53.29	0.66	3922.33

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 9	03/02/07	3975.06	52.62	53.45	0.83	3922.32
MW - 9	03/14/07	3975.06	52.66	53.09	0.43	3922.34
MW - 9	03/26/07	3975.06	52.63	53.26	0.63	3922.34
MW - 9	04/03/07	3975.06	52.60	53.38	0.78	3922.34
MW - 9	04/09/07	3975.06	52.61	53.27	0.66	3922.35
MW - 9	04/26/07	3975.06	52.58	53.44	0.86	3922.35
MW - 9	04/30/07	3975.06	52.22	53.26	1.04	3922.68
MW - 9	05/11/07	3975.06	52.59	53.65	1.06	3922.31
MW - 9	05/16/07	3975.06	52.64	53.11	0.47	3922.35
MW - 9	05/22/07	3975.06	52.64	53.14	0.50	3922.35
MW - 9	05/29/07	3975.06	52.61	53.16	0.55	3922.37
MW - 9	06/01/07	3975.06	52.59	53.23	0.64	3922.37
MW - 9	06/08/07	3975.06	52.61	53.20	0.59	3922.36
MW - 9	06/11/07	3975.06	52.65	53.01	0.36	3922.36
MW - 9	06/20/07	3975.06	52.60	53.23	0.63	3922.37
MW - 9	07/10/07	3975.06	52.56	53.35	0.79	3922.38
MW - 9	07/20/07	3975.06	52.56	53.33	0.77	3922.38
MW - 9	07/25/07	3975.06	52.69	53.16	0.47	3922.30
MW - 9	08/01/07	3975.06	52.58	53.14	0.56	3922.40
MW - 9	08/10/07	3975.06	52.29	53.16	0.87	3922.64
MW - 9	08/15/07	3975.06	52.60	53.05	0.45	3922.39
MW - 9	08/30/07	3975.06	52.56	53.26	0.70	3922.40
MW - 9	08/31/07	3975.06	52.56	53.26	0.70	3922.40
MW - 9	09/10/07	3975.06	52.53	53.34	0.81	3922.41
MW - 9	09/19/07	3975.06	52.53	53.30	0.77	3922.41
MW - 9	09/27/07	3975.06	52.55	53.15	0.60	3922.42
MW - 9	10/01/07	3975.06	52.58	52.99	0.41	3922.42
MW - 9	10/19/07	3975.06	52.50	53.35	0.85	3922.43
MW - 9	10/26/07	3975.06	52.53	53.15	0.62	3922.44
MW - 9	11/12/07	3975.06	52.73	53.16	0.43	3922.27
MW - 9	11/16/07	3975.06	52.62	52.83	0.21	3922.41
MW - 9	11/29/07	3975.06	52.66	53.01	0.35	3922.35
MW - 9	12/13/07	3975.06	52.51	53.20	0.69	3922.45
MW - 9	01/10/08	3975.06	52.49	53.18	0.69	3922.47
MW - 9	01/17/08	3975.06	52.50	53.13	0.63	3922.47
MW - 9	01/22/08	3975.06	52.49	53.12	0.63	3922.48
MW - 9	2/6/2008 #1	3975.06	52.53	52.97	0.44	3922.46
MW - 9	02/06/08 #2	3975.06	52.50	52.66	0.16	3922.54
MW - 9	2/12/08 #1	3975.06	52.54	52.90	0.36	3922.47
MW - 9	2/12/08 #2	3975.06	52.60	52.63	0.03	3922.46
MW - 9	2/20/08 #1	3975.06	52.52	52.93	0.41	3922.48
MW - 9	2/20/08 #2	3975.06	52.58	52.68	0.10	3922.47
MW - 9	2/27/08 #1	3975.06	52.52	52.91	0.39	3922.48

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 9	2/27/08 #2	3975.06	52.57	52.66	0.09	3922.48
MW - 9	03/07/08	3975.06	52.52	53.00	0.48	3922.47
MW - 9	3/12/08 #1	3975.06	52.52	53.00	0.48	3922.47
MW - 9	3/12/08 #2	3975.06	52.56	52.66	0.10	3922.49
MW - 9	3/20/08 #1	3975.06	52.50	52.92	0.42	3922.50
MW - 9	3/20/08#2	3975.06	52.54	52.70	0.16	3922.50
MW - 9	3/23/08 #1	3975.06	52.49	52.89	0.40	3922.51
MW - 9	3/23/08 #2	3975.06	52.55	52.63	0.08	3922.50
MW - 9	4/2/08 #1	3975.06	52.51	52.86	0.35	3922.50
MW - 9	4/2/08 #2	3975.06	52.54	52.68	0.14	3922.50
MW - 9	4/9/08 #1	3975.06	52.48	52.87	0.39	3922.52
MW - 9	4/9/08 #2	3975.06	52.53	52.72	0.19	3922.50
MW - 9	04/16/08	3975.06	52.48	52.89	0.41	3922.52
MW - 9	04/23/08	3975.06	52.49	52.86	0.37	3922.51
MW - 9	04/30/08	3975.06	52.47	52.90	0.43	3922.53
MW - 9	05/29/08	3975.06	52.48	52.85	0.37	3922.52
MW - 9	06/02/08	3975.06	52.48	52.77	0.29	3922.54
MW - 9	06/03/08	3975.06	52.48	52.77	0.29	3922.54
MW - 9	06/11/08	3975.06	52.47	52.87	0.40	3922.53
MW - 9	06/18/08	3975.06	52.47	52.89	0.42	3922.53
MW - 9	06/23/08	3975.06	52.49	52.78	0.29	3922.53
MW - 9	07/01/08	3975.06	52.48	52.86	0.38	3922.52
MW - 9	07/09/08	3975.06	52.59	52.86	0.27	3922.43
MW - 9	07/15/08	3975.06	52.48	52.80	0.32	3922.53
MW - 9	07/22/08	3975.06	52.47	52.85	0.38	3922.53
MW - 9	08/02/08	3975.06	52.46	52.90	0.44	3922.53
MW - 9	08/13/08	3975.06	52.45	52.88	0.43	3922.55
MW - 9	09/03/08	3975.06	52.42	52.98	0.56	3922.56
MW - 9	09/11/08	3975.06	52.46	52.85	0.39	3922.54
MW - 9	09/19/08	3975.06	52.44	52.82	0.38	3922.56
MW - 9	09/26/08	3975.06	52.46	52.81	0.35	3922.55
MW - 9	10/10/08	3975.06	52.44	52.81	0.37	3922.56
MW - 9	10/17/08	3975.06	52.47	52.78	0.31	3922.54
MW - 9	10/21/08	3975.06	52.46	52.70	0.24	3922.56
MW - 9	10/30/08	3975.06	52.45	52.78	0.33	3922.56
MW - 9	11/04/08	3975.06	52.46	52.75	0.29	3922.56
MW - 9	11/18/08	3975.06	52.46	52.84	0.38	3922.54
MW - 9	11/25/08	3975.06	52.46	52.76	0.30	3922.56
MW - 9	12/10/08	3975.06	52.42	52.84	0.42	3922.58
MW - 9	12/18/08	3975.06	52.43	52.80	0.37	3922.57
MW - 9	01/06/09	3975.06	52.43	52.89	0.46	3922.56
MW - 9	01/14/09	3975.06	52.45	52.89	0.44	3922.54
MW - 9	01/21/09	3975.06	47.11	47.60	0.49	3927.88

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 9	01/22/09	3975.06	52.42	52.75	0.33	3922.59
MW - 9	01/30/09	3975.06	52.43	52.76	0.33	3922.58
MW - 9	02/03/09	3975.06	52.44	52.69	0.25	3922.58
MW - 9	02/12/09	3975.06	52.43	52.79	0.36	3922.58
MW - 9	02/19/09	3975.06	52.44	52.82	0.38	3922.56
MW - 9	03/04/09	3975.06	52.49	52.89	0.40	3922.51
MW - 9	03/06/09	3975.06	52.40	52.84	0.44	3922.59
MW - 9	03/11/09	3975.06	52.44	52.78	0.34	3922.57
MW - 9	03/16/09	3975.06	52.53	52.92	0.39	3922.47
MW - 9	03/19/09	3975.06	52.43	52.74	0.31	3922.58
MW - 9	03/24/09	3975.06	52.39	52.74	0.35	3922.62
MW - 9	04/03/09	3975.06	52.73	52.82	0.09	3922.32
MW - 9	04/15/09	3975.06	52.40	52.75	0.35	3922.61
MW - 9	04/17/09	3975.06	52.43	52.61	0.18	3922.60
MW - 9	04/22/09	3975.06	52.38	52.81	0.43	3922.62
MW - 9	04/29/09	3975.06	52.39	52.74	0.35	3922.62
MW - 9	05/20/09	3975.06	52.39	52.76	0.37	3922.61
MW - 9	05/20/09	3975.06	52.39	52.76	0.37	3922.61
MW - 9	06/09/09	3975.06	52.38	52.78	0.40	3922.62
MW - 9	06/17/09	3975.06	52.40	52.22	-0.18	3922.69
MW - 9	06/23/09	3975.06	52.36	52.83	0.47	3922.63
MW - 9	07/01/09	3975.06	52.39	52.25	-0.14	3922.69
MW - 9	07/08/09	3975.06	52.40	52.68	0.28	3922.62
MW - 9	07/15/09	3975.06	52.38	52.66	0.28	3922.64
MW - 9	07/17/09	3975.06	52.41	52.63	0.22	3922.62
MW - 9	07/23/09	3975.06	52.41	52.66	0.25	3922.61
MW - 9	07/24/09	3975.06	52.46	52.56	0.10	3922.59
MW - 9	07/30/09	3975.06	52.41	52.65	0.24	3922.61
MW - 9	08/04/09	3975.06	52.04	52.62	0.58	3922.93
MW - 9	08/12/09	3975.06	52.40	52.69	0.29	3922.62
MW - 9	08/20/09	3975.06	52.38	52.74	0.36	3922.63
MW - 9	08/26/09	3975.06	52.31	52.83	0.52	3922.67
MW - 9	09/02/09	3975.06	52.40	52.69	0.29	3922.62
MW - 9	09/09/09	3975.06	52.39	52.72	0.33	3922.62
MW - 9	09/14/09	3975.06	52.40	52.65	0.25	3922.62
MW - 9	09/21/09	3975.06	52.39	52.69	0.30	3922.63
MW - 9	10/01/09	3975.06	52.41	52.72	0.31	3922.60
MW - 9	10/08/09	3975.06	52.43	52.76	0.33	3922.58
MW - 9	10/14/09	3975.06	52.39	52.68	0.29	3922.63
MW - 9	10/21/09	3975.06	52.37	52.73	0.36	3922.64
MW - 9	10/28/09	3975.06	52.38	52.67	0.29	3922.64
MW - 9	11/04/09	3975.06	52.39	52.64	0.25	3922.63
MW - 9	11/11/09	3975.06	52.38	52.63	0.25	3922.64

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 9	11/18/09	3975.06	52.38	52.65	0.27	3922.64
MW - 9	11/25/09	3975.06	52.39	52.64	0.25	3922.63
MW - 9	12/02/09	3975.06	52.39	52.68	0.29	3922.63
MW - 9	12/10/09	3975.06	52.39	52.65	0.26	3922.63
MW - 9	12/17/09	3975.06	52.45	52.63	0.18	3922.58
MW - 9	12/21/09	3975.06	52.41	52.65	0.24	3922.61
MW - 9	12/30/09	3975.06	52.45	52.73	0.28	3922.57
MW - 9	01/07/10	3975.06	52.39	52.61	0.22	3922.64
MW - 9	01/18/10	3975.06	52.36	52.69	0.33	3922.65
MW - 9	02/02/10	3975.06	52.36	52.70	0.34	3922.65
MW - 9	02/11/10	3975.06	52.35	52.62	0.27	3922.67
MW - 9	02/18/10	3975.06	52.34	52.66	0.32	3922.67
MW - 9	02/25/10	3975.06	52.44	52.70	0.26	3922.58
MW - 9	03/02/10	3975.06	52.45	52.68	0.23	3922.58
MW - 9	03/04/10	3975.06	52.34	52.58	0.24	3922.68
MW - 9	03/10/10	3975.06	52.36	52.60	0.24	3922.66
MW - 9	03/12/10	3975.06	52.48	52.64	0.16	3922.56
MW - 9	03/15/10	3975.06	52.38	52.58	0.20	3922.65
MW - 9	03/18/10	3975.06	52.37	52.56	0.19	3922.66
MW - 9	03/22/10	3975.06	52.43	52.64	0.21	3922.60
MW - 9	03/24/10	3975.06	52.47	52.60	0.13	3922.57
MW - 9	03/30/10	3975.06	52.44	52.64	0.20	3922.59
MW - 9	04/07/10	3975.06	52.45	52.71	0.26	3922.57
MW - 9	04/12/10	3975.06	52.34	52.52	0.18	3922.69
MW - 9	04/16/10	3975.06	52.51	52.69	0.18	3922.52
MW - 9	04/20/10	3975.06	52.41	52.53	0.12	3922.63
MW - 9	04/27/10	3975.06	52.41	52.50	0.09	3922.64
MW - 9	04/30/10	3975.06	52.39	52.49	0.10	3922.66
MW - 9	05/12/10	3975.06	52.27	52.33	0.06	3922.78
MW - 9	05/14/10	3975.06	52.41	52.51	0.10	3922.64
MW - 9	05/17/10	3975.06	52.38	52.42	0.04	3922.67
MW - 9	05/20/10	3975.06	52.29	52.32	0.03	3922.77
MW - 9	05/25/10	3975.06	52.27	52.34	0.07	3922.78
MW - 9	06/01/10	3975.06	52.28	52.33	0.05	3922.77
MW - 9	06/09/10	3975.06	52.30	52.34	0.04	3922.75
MW - 9	06/16/10	3975.06	52.40	52.50	0.10	3922.65
MW - 9	06/28/10	3975.06	52.39	52.49	0.10	3922.66
MW - 9	07/09/10	3975.06	52.42	52.50	0.08	3922.63
MW - 9	07/14/10	3975.06	52.34	52.50	0.16	3922.70
MW - 9	07/23/10	3975.06	52.35	52.51	0.16	3922.69
MW - 9	07/29/10	3975.06	52.35	52.52	0.17	3922.68
MW - 9	08/05/10	3975.06	52.35	52.60	0.25	3922.67
MW - 9	08/12/10	3975.06	52.35	52.54	0.19	3922.68

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 9	08/16/10	3975.06	52.35	52.54	0.19	3922.68
MW - 9	08/18/10	3975.06	52.35	52.54	0.19	3922.68
MW - 9	08/25/10	3975.06	52.41	52.63	0.22	3922.62
MW - 9	09/02/10	3975.06	52.35	52.51	0.16	3922.69
MW - 9	09/08/10	3975.06	52.37	52.52	0.15	3922.67
MW - 9	09/30/10	3975.06	52.35	52.53	0.18	3922.68
MW - 9	10/07/10	3975.06	52.36	52.52	0.16	3922.68
MW - 9	10/14/10	3975.06	52.37	52.54	0.17	3922.66
MW - 9	10/21/10	3975.06	52.39	52.52	0.13	3922.65
MW - 9	11/04/10	3975.06	52.35	52.53	0.18	3922.68
MW - 9	11/10/10	3975.06	52.41	52.49	0.08	3922.64
MW - 9	12/01/10	3975.06	52.31	52.56	0.25	3922.71
MW - 9	12/08/10	3975.06	52.39	52.54	0.15	3922.65
MW - 9	01/26/11	3975.06	52.31	52.64	0.33	3922.70
MW - 9	02/28/11	3975.06	52.40	52.53	0.13	3922.64
MW - 9	03/04/11	3975.06	52.28	52.54	0.26	3922.74
MW - 9	03/09/11	3975.06	52.32	52.54	0.22	3922.71
MW - 9	04/28/11	3975.06	52.27	52.51	0.24	3922.75
MW - 9	05/04/11	3975.06	52.21	52.51	0.30	3922.81
MW - 9	05/11/11	3975.06	52.34	52.54	0.20	3922.69
MW - 9	05/12/11	3975.06	52.25	52.48	0.23	3922.78
MW - 9	05/18/11	3975.06	52.23	52.41	0.18	3922.80
MW - 9	05/23/11	3975.06	52.20	52.48	0.28	3922.82
MW - 9	06/08/11	3975.06	52.41	52.73	0.32	3922.60
MW - 9	06/16/11	3975.06	52.32	52.62	0.30	3922.70
MW - 9	06/22/11	3975.06	52.21	52.54	0.33	3922.80
MW - 9	06/30/11	3975.06	52.39	52.65	0.26	3922.63
MW - 9	07/06/11	3975.06	52.34	52.52	0.18	3922.69
MW - 9	07/13/11	3975.06	52.36	52.59	0.23	3922.67
MW - 9	07/15/11	3975.06	52.35	52.58	0.23	3922.68
MW - 9	07/19/11	3975.06	52.34	52.54	0.20	3922.69
MW - 9	07/21/11	3975.06	52.33	52.43	0.10	3922.72
MW - 9	07/26/11	3975.06	52.35	52.49	0.14	3922.69
MW - 9	07/28/11	3975.06	52.30	52.46	0.16	3922.74
MW - 9	08/02/11	3975.06	52.34	52.65	0.31	3922.67
MW - 9	08/09/11	3975.06	52.30	52.47	0.17	3922.73
MW - 9	08/12/11	3975.06	52.36	52.52	0.16	3922.68
MW - 9	08/15/11	3975.06	52.33	52.52	0.19	3922.70
MW - 9	08/16/11	3975.06	52.37	52.54	0.17	3922.66
MW - 9	08/19/11	3975.06	52.37	52.48	0.11	3922.67
MW - 9	08/23/11	3975.06	52.33	52.45	0.12	3922.71
MW - 9	08/26/11	3975.06	52.35	52.56	0.21	3922.68
MW - 9	08/30/11	3975.06	52.21	52.47	0.26	3922.81

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 9	09/01/11	3975.06	52.40	52.47	0.07	3922.65
MW - 9	09/08/11	3975.06	-	52.45	0.00	3922.61
MW - 9	09/13/11	3975.06	-	52.36	0.00	3922.70
MW - 9	09/15/11	3975.06	-	52.53	0.00	3922.53
MW - 9	09/22/11	3975.06	-	52.37	0.00	3922.69
MW - 9	10/06/11	3975.06	-	52.46	0.00	3922.60
MW - 9	10/11/11	3975.06	-	52.46	0.00	3922.60
MW - 9	10/13/11	3975.06	-	52.48	0.00	3922.58
MW - 9	10/26/11	3975.06	-	52.51	0.00	3922.55
MW - 9	11/22/11	3975.06	52.51	52.55	0.04	3922.54
MW - 9	12/02/11	3975.06	-	52.49	0.00	3922.57
MW - 9	12/29/11	3975.06	-	52.45	0.00	3922.61
MW - 9	01/26/12	3975.06	52.42	52.45	0.03	3922.64
MW - 9	01/31/12	3975.06	-	52.35	0.00	3922.71
MW - 9	02/15/12	3975.06	52.40	52.42	0.02	3922.66
MW - 9	02/28/12	3975.06	52.38	52.39	0.01	3922.68
MW - 9	03/20/12	3975.06	52.35	52.47	0.12	3922.69
MW - 9	03/27/12	3975.06	52.35	52.51	0.16	3922.69
MW - 9	04/10/12	3975.06	52.38	52.57	0.19	3922.65
MW - 9	04/19/12	3975.06	52.34	52.52	0.18	3922.69
MW - 9	04/26/12	3975.06	52.37	52.51	0.14	3922.67
MW - 9	05/08/12	3975.06	52.37	52.51	0.14	3922.67
MW - 9	05/15/12	3975.06	52.38	52.61	0.23	3922.65
MW - 9	05/17/12	3975.06	52.37	52.60	0.23	3922.66
MW - 9	06/05/12	3975.06	52.36	52.61	0.25	3922.66
MW - 9	06/21/12	3975.06	52.36	52.72	0.36	3922.65
MW - 9	06/28/12	3975.06	52.34	52.78	0.44	3922.65
MW - 9	07/17/12	3975.06	52.43	52.76	0.33	3922.58
MW - 9	08/01/12	3975.06	52.49	52.72	0.23	3922.54
MW - 9	10/02/12	3975.06	52.52	52.96	0.44	3922.47
MW - 9	10/09/12	3975.06	52.38	52.60	0.22	3922.65
MW - 9	10/16/12	3975.06	52.52	52.83	0.31	3922.49
MW - 9	10/25/12	3975.06	52.51	52.93	0.42	3922.49
MW - 9	10/30/12	3975.06	52.51	52.92	0.41	3922.49
MW - 9	11/29/12	3975.06	52.44	52.95	0.51	3922.54
MW - 9	12/14/12	3975.06	52.48	52.92	0.44	3922.51
MW - 9	02/11/13	3975.06	52.46	52.98	0.52	3922.52
MW - 9	04/11/13	3975.06	52.52	52.85	0.33	3922.49
MW - 9	04/15/13	3975.06	52.39	52.66	0.27	3922.63
MW - 9	04/22/13	3975.06	52.51	52.79	0.28	3922.51
MW - 9	05/06/13	3975.06	52.53	52.90	0.37	3922.47
MW - 9	05/09/13	3975.06	52.53	52.93	0.40	3922.47
MW - 9	05/20/13	3975.06	52.53	52.99	0.46	3922.46

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 9	05/24/13	3975.06	52.61	53.07	0.46	3922.38
MW - 9	05/29/13	3975.06	52.47	52.54	0.07	3922.58
MW - 9	05/31/13	3975.06	52.49	52.75	0.26	3922.53
MW - 9	06/07/13	3975.06	52.45	52.73	0.28	3922.57
MW - 9	06/12/13	3975.06	52.43	52.69	0.26	3922.59
MW - 9	06/14/13	3975.06	52.44	52.70	0.26	3922.58
MW - 9	06/19/13	3975.06	52.43	52.58	0.15	3922.61
MW - 9	06/21/13	3975.06	52.47	52.61	0.14	3922.57
MW - 9	06/25/13	3975.06	52.43	52.63	0.20	3922.60
MW - 9	06/26/13	3975.06	52.57	52.75	0.18	3922.46
MW - 9	07/03/13	3975.06	52.62	52.92	0.30	3922.40
MW - 9	07/09/13	3975.06	52.69	53.05	0.36	3922.32
MW - 9	07/11/13	3975.06	52.52	52.84	0.32	3922.49
MW - 9	07/24/13	3975.06	52.47	52.83	0.36	3922.54
MW - 9	07/26/13	3975.06	52.45	52.78	0.33	3922.56
MW - 9	07/31/13	3975.06	52.45	52.81	0.36	3922.56
MW - 9	08/02/13	3975.06	52.48	52.85	0.37	3922.52
MW - 9	08/06/13	3975.06	52.49	52.87	0.38	3922.51
MW - 9	08/14/13	3975.06	52.45	52.86	0.41	3922.55
MW - 9	08/21/13	3975.06	52.50	52.94	0.44	3922.49
MW - 9	08/26/13	3975.06	52.53	52.95	0.42	3922.47
MW - 9	09/06/13	3975.06	52.60	53.03	0.43	3922.40
MW - 9	08/30/13	3975.06	52.50	52.87	0.37	3922.50
MW - 9	09/13/13	3975.06	52.62	52.91	0.29	3922.40
MW - 9	09/27/13	3975.06	52.58	53.00	0.42	3922.42
MW - 9	09/30/13	3975.06	52.55	52.95	0.40	3922.45
MW - 9	10/02/13	3975.06	52.53	52.93	0.40	3922.47
MW - 9	10/03/13	3975.06	52.52	52.92	0.40	3922.48
MW - 9	10/11/13	3975.06	52.62	52.98	0.36	3922.39
MW - 9	10/17/13	3975.06	52.64	52.97	0.33	3922.37
MW - 9	10/22/13	3975.06	52.65	52.95	0.30	3922.37
MW - 9	10/24/13	3975.06	52.70	52.91	0.21	3922.33
MW - 9	10/30/13	3975.06	52.66	52.94	0.28	3922.36
MW - 9	11/01/13	3975.06	52.64	52.87	0.23	3922.39
MW - 9	11/04/13	3975.06	52.66	52.98	0.32	3922.35
MW - 9	11/08/13	3975.06	52.65	53.00	0.35	3922.36
MW - 9	11/13/13	3975.06	52.63	53.01	0.38	3922.37
MW - 9	11/15/13	3975.06	52.63	53.03	0.40	3922.37
MW - 9	11/18/13	3975.06	52.65	53.15	0.50	3922.34
MW - 9	12/12/13	3975.06	52.65	53.23	0.58	3922.32
MW - 9	12/16/13	3975.06	52.64	53.25	0.61	3922.33
MW - 9	12/18/13	3975.06	52.66	53.21	0.55	3922.32
MW - 9	12/23/13	3975.06	52.60	53.05	0.45	3922.39

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 9	12/30/13	3975.06	52.60	52.95	0.35	3922.41
MW - 9	01/09/15	3974.60	-	52.68	0.00	3921.92
MW - 9	01/06/14	3975.06	52.62	53.02	0.40	3922.38
MW - 9	01/15/14	3975.06	52.63	53.09	0.46	3922.36
MW - 9	01/17/14	3975.06	52.62	53.05	0.43	3922.38
MW - 9	01/20/14	3975.06	52.63	52.96	0.33	3922.38
MW - 9	01/22/14	3975.06	52.77	52.90	0.13	3922.27
MW - 9	01/29/14	3975.06	52.66	53.17	0.51	3922.32
MW - 9	02/04/14	3975.06	52.64	53.11	0.47	3922.35
MW - 9	02/13/14	3975.06	52.65	53.20	0.55	3922.33
MW - 9	02/21/14	3975.06	52.59	53.05	0.46	3922.40
MW - 9	02/26/14	3975.06	52.61	55.16	2.55	3922.07
MW - 9	03/12/14	3975.06	52.58	53.10	0.52	3922.40
MW - 9	03/14/14	3975.06	52.56	53.05	0.49	3922.43
MW - 9	03/17/14	3975.06	52.56	53.08	0.52	3922.42
MW - 9	03/24/14	3975.06	52.56	52.94	0.38	3922.44
MW - 9	03/26/14	3975.06	52.60	52.91	0.31	3922.41
MW - 9	04/09/14	3975.06	52.63	53.02	0.39	3922.37
MW - 9	04/18/14	3975.06	52.65	53.00	0.35	3922.36
MW - 9	04/21/14	3975.06	52.65	52.99	0.34	3922.36
MW - 9	04/28/14	3975.06	52.65	53.03	0.38	3922.35
MW - 9	05/09/14	3975.06	52.67	53.15	0.48	3922.32
MW - 9	05/12/14	3975.06	52.64	52.95	0.31	3922.37
MW - 9	05/19/14	3975.06	52.62	52.98	0.36	3922.39
MW - 9	05/28/14	3975.06	52.69	52.90	0.21	3922.34
MW - 9	06/04/14	3975.06	52.66	52.81	0.15	3922.38
MW - 9	06/13/14	3975.06	52.63	52.85	0.22	3922.40
MW - 9	06/16/14	3975.06	52.69	52.90	0.21	3922.34
MW - 9	07/02/14	3975.06	52.70	53.11	0.41	3922.30
MW - 9	07/07/14	3975.06	52.73	53.04	0.31	3922.28
MW - 9	07/18/14	3975.06	52.73	53.10	0.37	3922.27
MW - 9	07/30/14	3975.06	52.69	53.13	0.44	3922.30
MW - 9	08/11/14	3975.06	52.70	53.20	0.50	3922.29
MW - 9	08/22/14	3975.06	52.74	53.33	0.59	3922.23
MW - 9	08/23/14	3975.06	52.74	53.33	0.59	3922.23
MW - 9	09/10/14	3975.06	52.79	53.45	0.66	3922.17
MW - 9	09/23/14	3975.06	52.83	53.29	0.46	3922.16
MW - 9	09/25/14	3975.06	52.98	53.35	0.37	3922.02
MW - 9	10/03/14	3975.06	52.76	53.28	0.52	3922.22
MW - 9	10/15/14	3975.06	52.79	53.44	0.65	3922.17
MW - 9	10/17/14	3975.06	52.79	53.40	0.61	3922.18
MW - 9	10/24/14	3975.06	52.77	53.02	0.25	3922.25
MW - 9	10/27/14	3975.06	52.74	53.00	0.26	3922.28

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 9	10/31/14	3975.06	52.76	53.14	0.38	3922.24
MW - 9	11/03/14	3975.06	52.58	53.21	0.63	3922.39
MW - 9	11/10/14	3975.06	52.75	53.11	0.36	3922.26
MW - 9	11/14/14	3975.06	52.77	53.04	0.27	3922.25
MW - 9	11/17/14	3975.06	52.90	53.03	0.13	3922.14
MW - 9	11/18/14	3975.06	52.90	53.03	0.13	3922.14
MW - 9	11/21/14	3975.06	52.82	53.03	0.21	3922.21
MW - 9	12/03/14	3975.06	52.78	53.17	0.39	3922.22
MW - 9	12/05/14	3975.06	52.81	53.03	0.22	3922.22
MW - 9	12/12/14	3975.06	52.83	53.05	0.22	3922.20
MW - 9	12/15/14	3975.06	52.83	53.05	0.22	3922.20
MW - 9	12/19/14	3975.06	52.80	53.03	0.23	3922.23
MW - 9	12/22/14	3975.06	52.78	53.01	0.23	3922.25
MW - 9	01/05/15	3975.06	52.74	52.97	0.23	3922.29
MW - 9	01/09/15	3975.06	52.73	53.23	0.50	3922.26
MW - 9	01/14/15	3975.06	52.72	53.28	0.56	3922.26
MW - 9	01/21/15	3975.06	52.71	52.96	0.25	3922.31
MW - 9	02/18/15	3975.06	52.72	53.00	0.28	3922.30
MW - 9	02/19/15	3975.06	52.73	53.06	0.33	3922.28
MW - 9	03/09/15	3975.06	52.73	52.98	0.25	3922.29
MW - 9	03/11/15	3975.06	52.70	53.26	0.56	3922.28
MW - 9	03/18/15	3975.06	52.76	53.08	0.32	3922.25
MW - 9	03/31/15	3975.06	52.74	52.97	0.23	3922.29
MW - 9	04/09/15	3975.06	52.63	53.28	0.65	3922.33
MW - 9	04/15/15	3975.06	52.66	53.31	0.65	3922.30
MW - 9	04/22/15	3975.06	52.66	53.34	0.68	3922.30
MW - 9	05/12/15	3975.06	52.70	53.23	0.53	3922.28
MW - 9	05/26/15	3975.06	52.74	52.94	0.20	3922.29
MW - 9	06/01/15	3975.06	52.69	53.24	0.55	3922.29
MW - 9	06/04/15	3975.06	52.71	53.26	0.55	3922.27
MW - 9	06/22/15	3975.06	52.64	53.26	0.62	3922.33
MW - 9	06/26/15	3975.06	52.73	53.36	0.63	3922.24
MW - 9	07/22/15	3975.06	52.57	53.09	0.52	3922.41
MW - 9	07/27/15	3975.06	52.71	53.08	0.37	3922.29
MW - 9	08/18/15	3975.06	52.01	53.05	1.04	3922.89
MW - 9	09/09/15	3975.06	52.73	53.29	0.56	3922.25
MW - 9	10/08/15	3975.06	52.73	53.08	0.35	3922.28
MW - 9	09/30/15	3975.06	52.81	53.35	0.54	3922.17
MW - 9	10/16/15	3975.06	52.85	53.29	0.44	3922.14
MW - 9	10/21/15	3975.06	52.75	53.40	0.65	3922.21
MW - 9	11/18/15	3975.06	52.75	53.15	0.40	3922.25
MW - 9	11/23/15	3975.06	52.78	52.99	0.21	3922.25
MW - 9	12/04/15	3975.06	52.75	53.18	0.43	3922.25

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 9	12/09/15	3975.06	52.85	53.26	0.41	3922.15
MW - 9	01/12/16	3975.06	52.81	53.35	0.54	3922.17
MW - 9	01/22/16	3975.06	52.74	53.25	0.51	3922.24
MW - 9	01/25/16	3975.06	52.84	53.07	0.23	3922.19
MW - 9	02/12/16	3975.06	52.85	53.08	0.23	3922.18
MW - 9	02/17/16	3975.06	52.78	53.19	0.41	3922.22
MW - 9	02/24/16	3975.06	52.78	53.00	0.22	3922.25
MW - 9	03/09/16	3975.06	52.70	53.01	0.31	3922.31
MW - 9	03/30/16	3975.06	52.24	53.08	0.84	3922.69
MW - 9	04/13/16	3975.06	52.70	52.81	0.11	3922.34
MW - 9	04/27/16	3975.06	52.82	53.02	0.20	3922.21
MW - 9	05/11/16	3975.06	52.92	53.00	0.08	3922.13
MW - 9	06/03/16	3975.06	52.90	53.13	0.23	3922.13
MW - 9	07/01/16	3975.06	52.82	53.08	0.26	3922.20
MW - 9	07/08/16	3975.06	52.84	53.15	0.31	3922.17
MW - 9	07/12/16	3975.06	52.19	52.57	0.38	3922.81
MW - 9	07/18/16	3975.06	52.83	53.10	0.27	3922.19
MW - 9	08/02/16	3975.06	52.85	53.05	0.20	3922.18
MW - 9	08/12/16	3975.06	52.85	53.28	0.43	3922.15
MW - 9	08/17/16	3975.06	52.81	53.26	0.45	3922.18
MW - 9	09/21/16	3975.06	52.82	53.39	0.57	3922.15
MW - 9	10/21/16	3975.06	52.73	52.74	0.01	3922.33
MW - 9	10/24/16	3975.06	52.88	52.89	0.01	3922.18
MW - 9	10/26/16	3975.06	52.85	53.13	0.28	3922.17
MW - 9	10/31/16	3975.06	52.85	52.86	0.01	3922.21
MW - 9	11/21/16	3975.06	52.92	53.28	0.36	3922.09
MW - 9	11/28/16	3975.06	52.80	53.35	0.55	3922.18
MW - 9	12/07/16	3975.06	52.83	53.46	0.63	3922.14
MW - 9	12/14/16	3975.06	52.90	53.40	0.50	3922.09
MW - 9	12/21/16	3975.06	52.82	53.20	0.38	3922.18
MW - 9	01/04/17	3975.06	52.80	53.32	0.52	3922.18
MW - 9	01/12/17	3975.06	52.81	53.34	0.53	3922.17
MW - 9	01/26/17	3975.06	52.83	53.45	0.62	3922.14
MW - 9	02/07/17	3975.06	52.77	53.46	0.69	3922.19
MW - 9	02/21/17	3975.06	52.76	53.48	0.72	3922.19
MW - 9	02/23/17	3975.06	52.75	53.46	0.71	3922.20
MW - 9	03/08/17	3975.06	52.76	53.38	0.62	3922.21
MW - 9	04/07/17	3975.06	52.72	53.51	0.79	3922.22
MW - 9	04/18/17	3975.06	52.73	53.55	0.82	3922.21
MW - 9	05/10/17	3975.06	52.76	53.63	0.87	3922.17
MW - 9	05/24/17	3975.06	52.73	53.58	0.85	3922.20
MW - 9	06/02/17	3975.06	52.71	53.58	0.87	3922.22
MW - 9	07/12/17	3975.06	52.72	53.59	0.87	3922.21

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 9	07/19/17	3975.06	52.73	53.59	0.86	3922.20
MW - 9	07/27/17	3975.06	52.73	53.61	0.88	3922.20
MW - 9	08/11/17	3975.06	52.72	53.57	0.85	3922.21
MW - 9	08/24/17	3975.06	52.79	53.73	0.94	3922.13
MW - 9	09/05/17	3975.06	52.82	53.78	0.96	3922.10
MW - 9	10/18/17	3975.06	52.82	53.71	0.89	3922.11
MW - 9	10/25/17	3975.06	52.86	53.49	0.63	3922.11
MW - 9	11/01/17	3975.06	52.85	53.31	0.46	3922.14
MW - 9	11/08/17	3975.06	52.88	53.44	0.56	3922.10
MW - 9	11/28/17	3975.06	52.88	53.54	0.66	3922.08
MW - 9	12/19/17	3975.06	52.85	53.63	0.78	3922.09
MW - 9	01/16/18	3975.06	52.87	53.62	0.75	3922.08
MW - 9	01/30/18	3975.06	52.86	53.52	0.66	3922.10
MW - 9	02/06/18	3975.06	52.90	53.49	0.59	3922.07
MW - 9	02/13/18	3975.06	52.92	53.49	0.57	3922.05
MW - 9	02/26/18	3975.06	52.88	53.32	0.44	3922.11
MW - 9	04/03/18	3975.06	52.83	53.51	0.68	3922.13
MW - 9	04/17/18	3975.06	52.83	53.69	0.86	3922.10
MW - 9	05/07/18	3975.06	52.77	53.58	0.81	3922.17
MW - 9	06/21/18	3975.06	51.83	53.85	2.02	3922.93
MW - 9	06/26/18	3975.06	52.85	53.82	0.97	3922.06
MW - 9	07/12/18	3975.06	52.98	53.41	0.43	3922.02
MW - 9	07/17/18	3975.06	52.94	53.44	0.50	3922.05
MW - 9	08/01/18	3975.06	53.96	54.47	0.51	3921.02
MW - 9	08/09/18	3975.06	52.97	53.45	0.48	3922.02
MW - 9	08/23/18	3975.06	52.99	53.29	0.30	3922.03
MW - 9	08/30/18	3975.06	52.99	53.50	0.51	3921.99
MW - 9	08/31/18	3975.06	52.97	53.57	0.60	3922.00
MW - 9	09/11/18	3975.06	53.02	53.31	0.29	3922.00
MW - 9	09/19/18	3975.06	53.02	53.41	0.39	3921.98
MW - 9	10/16/18	3975.06	53.01	53.54	0.53	3921.97
MW - 9	11/01/18	3975.06	53.03	53.50	0.47	3921.96
MW - 9	11/05/18	3975.06	53.01	53.49	0.48	3921.98
MW - 9	11/14/18	3975.06	52.98	53.41	0.43	3922.02
MW - 9	12/04/18	3975.06	52.98	53.75	0.77	3921.96
MW - 9	12/06/18	3975.06	53.02	53.71	0.69	3921.94
MW - 9	12/18/18	3975.06	-	53.14	0.00	3921.92
MW - 9	12/20/18	3975.06	53.13	53.25	0.12	3921.91
MW - 9	12/26/18	3975.06	-	53.17	0.00	3921.89
MW - 9	01/08/19	3975.06	-	53.09	0.00	3921.97
MW - 9	01/10/19	3975.06	-	53.11	0.00	3921.95
MW - 9	01/15/19	3975.06	-	53.13	0.00	3921.93
MW - 9	01/24/19	3975.06	-	53.32	0.00	3921.74

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 9	02/11/19	3975.06	-	53.16	0.00	3921.90
MW - 9	02/18/19	3975.06	-	53.21	0.00	3921.85
MW - 9	04/16/19	3975.06	-	53.09	0.00	3921.97
MW - 9	04/23/19	3975.06	-	53.22	0.00	3921.84
MW - 9	04/30/19	3975.06	-	53.09	0.00	3921.97
MW - 9	05/07/19	3975.06	-	53.08	0.00	3921.98
MW - 9	05/09/19	3975.06	-	53.14	0.00	3921.92
MW - 9	05/14/19	3975.06	-	53.10	0.00	3921.96
MW - 9	06/04/19	3975.06	-	53.04	0.00	3922.02
MW - 9	06/11/19	3975.06	-	53.40	0.00	3921.66
MW - 9	06/13/19	3975.06	-	53.01	0.00	3922.05
MW - 9	06/17/19	3975.06	-	53.07	0.00	3921.99
MW - 9	07/01/19	3975.06	-	53.41	0.00	3921.65
MW - 9	07/02/19	3975.06	-	53.09	0.00	3921.97
MW - 9	08/19/19	3975.06	-	53.32	0.00	3921.74
MW - 9	08/29/19	3975.06	-	53.04	0.00	3922.02
MW - 9	09/03/19	3975.06	-	53.07	0.00	3921.99
MW - 9	09/10/19	3975.06	-	52.84	0.00	3922.22
MW - 9	10/01/19	3975.06	-	53.04	0.00	3922.02
MW - 9	10/22/19	3975.06	-	53.01	0.00	3922.05
MW - 9	11/11/19	3975.06	-	53.69	0.00	3921.37
MW - 9	11/15/19	3975.06	53.28	53.43	0.15	3921.76
MW - 10	03/02/00	3975.02	53.44	53.99	0.55	3921.50
MW - 10	04/25/00	3975.02	-	53.18	0.00	3921.84
MW - 10	09/06/00	3975.02	-	53.22	0.00	3921.80
MW - 10	11/28/00	3975.02	-	53.23	0.00	3921.79
MW - 10	02/21/01	3975.02	-	53.15	0.00	3921.87
MW - 10	05/31/01	3975.02	-	53.08	0.00	3921.94
MW - 10	08/23/01	3975.02	-	53.10	0.00	3921.92
MW - 10	11/21/01	3975.02	-	53.13	0.00	3921.89
MW - 10	02/13/02	3975.02	-	53.16	0.00	3921.86
MW - 10	06/12/02	3975.02	-	53.14	0.00	3921.88
MW - 10	08/26/02	3975.02	-	53.14	0.00	3921.88
MW - 10	11/21/02	3975.02	-	53.20	0.00	3921.82
MW - 10	02/05/03	3975.02	-	53.90	0.00	3921.12
MW - 10	05/07/03	3975.02	-	53.14	0.00	3921.88
MW - 10	08/18/03	3975.02	-	53.19	0.00	3921.83
MW - 10	12/01/03	3975.02	-	53.23	0.00	3921.79
MW - 10	02/05/04	3975.02	-	53.23	0.00	3921.79
MW - 10	05/05/04	3975.02	-	53.20	0.00	3921.82
MW - 10	09/01/04	3975.02	-	53.25	0.00	3921.77
MW - 10	12/15/04	3975.02	-	53.20	0.00	3921.82

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 10	03/22/05	3975.02	-	53.00	0.00	3922.02
MW - 10	06/22/05	3975.02	-	52.91	0.00	3922.11
MW - 10	09/21/05	3975.02	-	52.84	0.00	3922.18
MW - 10	12/16/05	3975.02	-	52.76	0.00	3922.26
MW - 10	03/20/06	3975.02	-	52.71	0.00	3922.31
MW - 10	06/21/06	3975.02	-	52.71	0.00	3922.31
MW - 10	09/27/06	3975.02	-	52.64	0.00	3922.38
MW - 10	12/04/06	3975.02	-	52.64	0.00	3922.38
MW - 10	03/14/07	3975.02	-	52.57	0.00	3922.45
MW - 10	05/29/07	3975.02	-	52.54	0.00	3922.48
MW - 10	08/30/07	3975.02	-	52.53	0.00	3922.49
MW - 10	11/12/07	3975.02	-	52.43	0.00	3922.59
MW - 10	03/07/08	3975.02	-	52.41	0.00	3922.61
MW - 10	06/02/08	3975.02	-	52.34	0.00	3922.68
MW - 10	09/03/08	3975.02	-	52.38	0.00	3922.64
MW - 10	12/08/08	3975.02	-	52.33	0.00	3922.69
MW - 10	02/19/09	3975.02	-	52.31	0.00	3922.71
MW - 10	05/20/09	3975.02	-	52.28	0.00	3922.74
MW - 10	08/12/09	3975.02	-	52.27	0.00	3922.75
MW - 10	11/25/09	3975.02	-	52.29	0.00	3922.73
MW - 10	01/07/10	3975.02	-	52.25	0.00	3922.77
MW - 10	02/11/10	3975.02	-	52.24	0.00	3922.78
MW - 10	05/17/10	3975.02	-	52.41	0.00	3922.61
MW - 10	08/16/10	3975.02	-	52.41	0.00	3922.61
MW - 10	11/10/10	3975.02	-	52.42	0.00	3922.60
MW - 10	02/28/11	3975.02	-	52.42	0.00	3922.60
MW - 10	05/12/11	3975.02	-	52.11	0.00	3922.91
MW - 10	08/15/11	3975.02	-	52.13	0.00	3922.89
MW - 10	11/22/11	3975.02	-	52.20	0.00	3922.82
MW - 10	02/28/12	3975.02	-	52.22	0.00	3922.80
MW - 10	05/17/12	3975.02	-	52.25	0.00	3922.77
MW - 10	08/01/12	3975.02	-	52.36	0.00	3922.66
MW - 10	10/25/12	3975.02	-	52.41	0.00	3922.61
MW - 10	11/29/12	3975.02	-	52.33	0.00	3922.69
MW - 10	02/11/13	3975.02	-	52.36	0.00	3922.66
MW - 10	04/11/13	3975.02	-	52.34	0.00	3922.68
MW - 10	05/06/13	3975.02	-	52.44	0.00	3922.58
MW - 10	05/29/13	3975.02	-	52.41	0.00	3922.61
MW - 10	06/26/13	3975.02	-	52.36	0.00	3922.66
MW - 10	07/31/13	3975.02	-	52.29	0.00	3922.73
MW - 10	08/06/13	3975.02	-	52.33	0.00	3922.69
MW - 10	09/30/13	3975.02	-	52.40	0.00	3922.62
MW - 10	11/18/13	3975.02	-	52.56	0.00	3922.46

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 10	02/04/14	3975.02	-	52.58	0.00	3922.44
MW - 10	04/28/14	3975.02	-	52.55	0.00	3922.47
MW - 10	05/28/14	3975.02	-	52.50	0.00	3922.52
MW - 10	07/30/14	3975.02	-	52.59	0.00	3922.43
MW - 10	08/23/14	3975.02	-	52.67	0.00	3922.35
MW - 10	10/31/14	3975.02	-	52.64	0.00	3922.38
MW - 10	11/18/14	3975.02	-	52.66	0.00	3922.36
MW - 10	01/09/15	3975.02	-	52.64	0.00	3922.38
MW - 10	02/19/15	3975.02	-	52.61	0.00	3922.41
MW - 10	03/31/15	3975.02	-	52.55	0.00	3922.47
MW - 10	04/09/15	3975.02	-	52.58	0.00	3922.44
MW - 10	05/12/15	3975.02	-	52.59	0.00	3922.43
MW - 10	07/27/15	3975.02	-	52.58	0.00	3922.44
MW - 10	08/18/15	3975.02	-	52.51	0.00	3922.51
MW - 10	10/08/15	3975.02	-	52.57	0.00	3922.45
MW - 10	11/23/15	3975.02	-	52.62	0.00	3922.40
MW - 10	01/12/16	3975.02	-	52.68	0.00	3922.34
MW - 10	02/24/16	3975.02	-	52.66	0.00	3922.36
MW - 10	06/13/16	3975.02	-	52.66	0.00	3922.36
MW - 10	08/02/16	3975.02	-	52.77	0.00	3922.25
MW - 10	11/28/16	3975.02	-	52.75	0.00	3922.27
MW - 10	02/21/17	3975.02	-	52.72	0.00	3922.30
MW - 10	05/24/17	3975.02	-	52.70	0.00	3922.32
MW - 10	07/12/17	3975.02	-	52.67	0.00	3922.35
MW - 10	08/11/17	3975.02	-	52.65	0.00	3922.37
MW - 10	10/18/17	3975.02	-	52.79	0.00	3922.23
MW - 10	11/28/17	3975.02	-	52.83	0.00	3922.19
MW - 10	01/16/18	3975.02	-	52.82	0.00	3922.20
MW - 10	02/26/18	3975.02	-	52.79	0.00	3922.23
MW - 10	04/03/18	3975.02	-	52.77	0.00	3922.25
MW - 10	04/17/18	3975.02	-	52.78	0.00	3922.24
MW - 10	05/07/18	3975.02	-	52.71	0.00	3922.31
MW - 10	06/26/18	3975.02	-	52.84	0.00	3922.18
MW - 10	08/09/18	3975.02	-	52.91	0.00	3922.11
MW - 10	09/11/18	3975.02	-	52.92	0.00	3922.10
MW - 10	11/14/18	3975.02	-	52.92	0.00	3922.10
MW - 10	11/27/18	3975.02	-	52.92	0.00	3922.10
MW - 10	12/18/18	3975.02	-	52.92	0.00	3922.10
MW - 10	02/18/19	3975.02	-	52.94	0.00	3922.08
MW - 10	05/14/19	3975.02	-	52.92	0.00	3922.10
MW - 10	08/19/19	3975.02	-	53.10	0.00	3921.92
MW - 10	11/11/19	3975.02	-	53.11	0.00	3921.91

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 11	03/02/00	3975.30	-	53.84	0.00	3921.46
MW - 11	04/25/00	3975.30	-	53.91	0.00	3921.39
MW - 11	09/06/00	3975.30	-	53.95	0.00	3921.35
MW - 11	11/28/00	3975.30	-	53.96	0.00	3921.34
MW - 11	02/21/01	3975.30	-	53.79	0.00	3921.51
MW - 11	05/31/01	3975.30	-	53.77	0.00	3921.53
MW - 11	08/23/01	3975.30	-	53.83	0.00	3921.47
MW - 11	11/21/01	3975.30	-	53.87	0.00	3921.43
MW - 11	02/13/02	3975.30	-	52.85	0.00	3922.45
MW - 11	06/12/02	3975.30	-	53.87	0.00	3921.43
MW - 11	08/26/02	3975.30	-	53.89	0.00	3921.41
MW - 11	11/21/02	3975.30	-	53.93	0.00	3921.37
MW - 11	02/05/03	3975.30	-	53.90	0.00	3921.40
MW - 11	05/07/03	3975.30	-	53.86	0.00	3921.44
MW - 11	08/18/03	3975.30	-	53.93	0.00	3921.37
MW - 11	12/01/03	3975.30	-	53.96	0.00	3921.34
MW - 11	02/05/04	3975.30	-	53.97	0.00	3921.33
MW - 11	05/05/04	3975.30	-	53.93	0.00	3921.37
MW - 11	09/01/04	3975.30	-	54.00	0.00	3921.30
MW - 11	12/15/04	3975.30	-	53.95	0.00	3921.35
MW - 11	03/22/05	3975.30	-	53.75	0.00	3921.55
MW - 11	06/22/05	3975.30	-	53.64	0.00	3921.66
MW - 11	09/21/05	3975.30	-	53.56	0.00	3921.74
MW - 11	12/16/05	3975.30	-	53.60	0.00	3921.70
MW - 11	03/20/06	3975.30	-	53.45	0.00	3921.85
MW - 11	06/21/06	3975.30	-	53.43	0.00	3921.87
MW - 11	09/27/06	3975.30	-	53.42	0.00	3921.88
MW - 11	12/04/06	3975.30	-	53.37	0.00	3921.93
MW - 11	03/14/07	3975.30	-	53.33	0.00	3921.97
MW - 11	05/29/07	3975.30	-	53.29	0.00	3922.01
MW - 11	08/30/07	3975.30	-	53.27	0.00	3922.03
MW - 11	11/12/07	3975.30	-	53.23	0.00	3922.07
MW - 11	03/07/08	3975.30	-	53.17	0.00	3922.13
MW - 11	06/02/08	3975.30	-	53.12	0.00	3922.18
MW - 11	09/03/08	3975.30	-	53.12	0.00	3922.18
MW - 11	12/08/08	3975.30	-	53.10	0.00	3922.20
MW - 11	02/19/09	3975.30	-	53.08	0.00	3922.22
MW - 11	05/20/09	3975.30	-	53.04	0.00	3922.26
MW - 11	08/12/09	3975.30	-	53.03	0.00	3922.27
MW - 11	11/25/09	3975.30	-	53.03	0.00	3922.27
MW - 11	01/07/10	3975.30	-	53.02	0.00	3922.28
MW - 11	02/11/10	3975.30	-	52.99	0.00	3922.31
MW - 11	05/17/10	3975.30	-	53.16	0.00	3922.14

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 11	08/16/10	3975.30	-	53.15	0.00	3922.15
MW - 11	11/10/10	3975.30	-	53.17	0.00	3922.13
MW - 11	02/28/11	3975.30	-	53.15	0.00	3922.15
MW - 11	05/12/11	3975.30	-	52.96	0.00	3922.34
MW - 11	08/15/11	3975.30	-	53.10	0.00	3922.20
MW - 11	11/22/11	3975.30	-	53.05	0.00	3922.25
MW - 11	02/28/12	3975.30	-	53.01	0.00	3922.29
MW - 11	05/17/12	3975.30	-	53.00	0.00	3922.30
MW - 11	08/01/12	3975.30	-	53.12	0.00	3922.18
MW - 11	10/25/12	3975.30	-	53.15	0.00	3922.15
MW - 11	11/29/12	3975.30	-	53.23	0.00	3922.07
MW - 11	02/11/13	3975.30	-	53.16	0.00	3922.14
MW - 11	04/11/13	3975.30	-	53.39	0.00	3921.91
MW - 11	05/06/13	3975.30	-	53.19	0.00	3922.11
MW - 11	05/29/13	3975.30	-	53.34	0.00	3921.96
MW - 11	06/26/13	3975.30	-	53.36	0.00	3921.94
MW - 11	07/31/13	3975.30	-	53.29	0.00	3922.01
MW - 11	08/06/13	3975.30	-	53.26	0.00	3922.04
MW - 11	09/30/13	3975.30	-	53.35	0.00	3921.95
MW - 11	11/18/13	3975.30	-	53.32	0.00	3921.98
MW - 11	02/04/14	3975.30	-	53.30	0.00	3922.00
MW - 11	04/28/14	3975.30	-	53.31	0.00	3921.99
MW - 11	05/28/14	3975.30	-	53.40	0.00	3921.90
MW - 11	07/30/14	3975.30	-	53.40	0.00	3921.90
MW - 11	08/23/14	3975.30	-	53.43	0.00	3921.87
MW - 11	10/31/14	3975.30	-	53.45	0.00	3921.85
MW - 11	11/18/14	3975.30	-	53.43	0.00	3921.87
MW - 11	01/09/15	3975.30	-	53.39	0.00	3921.91
MW - 11	02/19/15	3975.30	-	53.40	0.00	3921.90
MW - 11	03/31/15	3975.30	-	53.40	0.00	3921.90
MW - 11	04/09/15	3975.30	-	53.33	0.00	3921.97
MW - 11	05/12/15	3975.30	-	53.55	0.00	3921.75
MW - 11	07/27/15	3975.30	-	53.42	0.00	3921.88
MW - 11	08/18/15	3975.30	-	53.36	0.00	3921.94
MW - 11	10/08/15	3975.30	-	53.48	0.00	3921.82
MW - 11	11/23/15	3975.30	-	53.42	0.00	3921.88
MW - 11	01/12/16	3975.30	-	53.43	0.00	3921.87
MW - 11	02/24/16	3975.30	-	53.45	0.00	3921.85
MW - 11	06/13/16	3975.30	-	53.43	0.00	3921.87
MW - 11	08/02/16	3975.30	-	53.56	0.00	3921.74
MW - 11	11/28/16	3975.30	-	53.49	0.00	3921.81
MW - 11	02/21/17	3975.30	-	53.48	0.00	3921.82
MW - 11	05/24/17	3975.30	-	53.45	0.00	3921.85

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 11	07/12/17	3975.30	-	53.47	0.00	3921.83
MW - 11	08/11/17	3975.30	-	53.47	0.00	3921.83
MW - 11	10/18/17	3975.30	-	53.60	0.00	3921.70
MW - 11	11/28/17	3975.30	-	53.58	0.00	3921.72
MW - 11	01/16/18	3975.30	-	53.58	0.00	3921.72
MW - 11	02/26/18	3975.30	-	53.54	0.00	3921.76
MW - 11	04/03/18	3975.30	-	53.54	0.00	3921.76
MW - 11	04/17/18	3975.30	-	53.53	0.00	3921.77
MW - 11	05/07/18	3975.30	-	53.61	0.00	3921.69
MW - 11	06/26/18	3975.30	-	53.60	0.00	3921.70
MW - 11	08/09/18	3975.30	-	53.63	0.00	3921.67
MW - 11	09/11/18	3975.30	-	53.66	0.00	3921.64
MW - 11	11/14/18	3975.30	-	53.69	0.00	3921.61
MW - 11	12/18/18	3975.30	-	53.66	0.00	3921.64
MW - 11	02/18/19	3975.30	-	53.69	0.00	3921.61
MW - 11	05/14/19	3975.30	-	53.66	0.00	3921.64
MW - 11	08/19/19	3975.30	-	53.84	0.00	3921.46
MW - 11	11/11/19	3975.30	-	53.84	0.00	3921.46
MW - 12	03/02/00	3974.55	-	52.80	0.00	3921.75
MW - 12	04/25/00	3974.55	-	52.86	0.00	3921.69
MW - 12	09/06/00	3974.55	-	52.90	0.00	3921.65
MW - 12	11/28/00	3974.55	-	52.92	0.00	3921.63
MW - 12	02/21/01	3974.55	-	52.75	0.00	3921.80
MW - 12	05/31/01	3974.55	-	52.75	0.00	3921.80
MW - 12	08/31/01	3974.55	-	52.78	0.00	3921.77
MW - 12	11/21/01	3974.55	-	52.82	0.00	3921.73
MW - 12	02/13/02	3974.55	-	52.85	0.00	3921.70
MW - 12	06/12/02	3974.55	-	52.83	0.00	3921.72
MW - 12	08/26/02	3974.55	-	52.83	0.00	3921.72
MW - 12	11/21/02	3974.55	-	52.89	0.00	3921.66
MW - 12	02/05/03	3974.55	-	52.88	0.00	3921.67
MW - 12	05/07/03	3974.55	-	52.82	0.00	3921.73
MW - 12	08/18/03	3974.55	-	52.89	0.00	3921.66
MW - 12	12/01/03	3974.55	-	52.93	0.00	3921.62
MW - 12	02/05/04	3974.55	-	52.92	0.00	3921.63
MW - 12	05/05/04	3974.55	-	52.90	0.00	3921.65
MW - 12	09/01/04	3974.55	-	52.94	0.00	3921.61
MW - 12	12/15/04	3974.55	-	52.90	0.00	3921.65
MW - 12	03/22/05	3974.55	-	52.69	0.00	3921.86
MW - 12	06/22/05	3974.55	-	52.58	0.00	3921.97
MW - 12	09/21/05	3974.55	-	52.51	0.00	3922.04
MW - 12	12/16/05	3974.55	-	52.46	0.00	3922.09

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 12	03/20/06	3974.55	-	52.39	0.00	3922.16
MW - 12	06/21/06	3974.55	-	52.36	0.00	3922.19
MW - 12	09/27/06	3974.55	-	52.44	0.00	3922.11
MW - 12	12/04/06	3974.55	-	52.33	0.00	3922.22
MW - 12	03/14/07	3974.55	-	52.28	0.00	3922.27
MW - 12	05/29/07	3974.55	-	52.26	0.00	3922.29
MW - 12	08/30/07	3974.55	-	52.23	0.00	3922.32
MW - 12	11/12/07	3974.55	-	52.20	0.00	3922.35
MW - 12	03/07/08	3974.55	-	52.12	0.00	3922.43
MW - 12	06/02/08	3974.55	-	52.05	0.00	3922.50
MW - 12	09/03/08	3974.55	-	52.07	0.00	3922.48
MW - 12	12/08/08	3974.55	-	52.05	0.00	3922.50
MW - 12	02/19/09	3974.55	-	52.02	0.00	3922.53
MW - 12	05/20/09	3974.55	-	51.99	0.00	3922.56
MW - 12	08/12/09	3974.55	-	51.97	0.00	3922.58
MW - 12	11/25/09	3974.55	-	51.98	0.00	3922.57
MW - 12	01/07/10	3974.55	-	51.95	0.00	3922.60
MW - 12	02/11/10	3974.55	-	51.95	0.00	3922.60
MW - 12	05/17/10	3974.55	-	52.13	0.00	3922.42
MW - 12	08/16/10	3974.55	-	52.13	0.00	3922.42
MW - 12	11/10/10	3974.55	-	52.13	0.00	3922.42
MW - 12	02/28/11	3974.55	-	52.12	0.00	3922.43
MW - 12	05/12/11	3974.55	-	51.92	0.00	3922.63
MW - 12	08/15/11	3974.55	-	52.08	0.00	3922.47
MW - 12	11/22/11	3974.55	-	51.97	0.00	3922.58
MW - 12	02/28/12	3974.55	-	51.97	0.00	3922.58
MW - 12	05/17/12	3974.55	-	51.95	0.00	3922.60
MW - 12	08/01/12	3974.55	-	52.06	0.00	3922.49
MW - 12	10/25/12	3974.55	-	52.12	0.00	3922.43
MW - 12	11/29/12	3974.55	-	52.19	0.00	3922.36
MW - 12	02/11/13	3974.55	-	52.08	0.00	3922.47
MW - 12	04/11/13	3974.55	-	52.30	0.00	3922.25
MW - 12	05/06/13	3974.55	-	52.13	0.00	3922.42
MW - 12	05/29/13	3974.55	-	52.26	0.00	3922.29
MW - 12	06/26/13	3974.55	-	52.31	0.00	3922.24
MW - 12	07/31/13	3974.55	-	52.21	0.00	3922.34
MW - 12	08/06/13	3974.55	-	52.21	0.00	3922.34
MW - 12	09/30/13	3974.55	-	52.25	0.00	3922.30
MW - 12	11/18/13	3974.55	-	52.27	0.00	3922.28
MW - 12	12/08/13	3974.55	-	52.28	0.00	3922.27
MW - 12	02/04/14	3974.55	-	52.26	0.00	3922.29
MW - 12	04/28/14	3974.55	-	52.26	0.00	3922.29
MW - 12	05/28/14	3974.55	-	52.32	0.00	3922.23

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 12	07/30/14	3974.55	-	52.35	0.00	3922.20
MW - 12	08/23/14	3974.55	-	52.38	0.00	3922.17
MW - 12	10/31/14	3974.55	-	52.39	0.00	3922.16
MW - 12	11/18/14	3974.55	-	52.38	0.00	3922.17
MW - 12	01/09/15	3974.55	-	52.34	0.00	3922.21
MW - 12	02/19/15	3974.55	-	52.34	0.00	3922.21
MW - 12	03/31/15	3974.55	-	52.35	0.00	3922.20
MW - 12	04/09/15	3974.55	-	52.28	0.00	3922.27
MW - 12	05/12/15	3974.55	-	52.29	0.00	3922.26
MW - 12	07/27/15	3974.55	-	52.36	0.00	3922.19
MW - 12	08/18/15	3974.55	-	52.33	0.00	3922.22
MW - 12	10/08/15	3974.55	-	52.42	0.00	3922.13
MW - 12	11/23/15	3974.55	-	52.35	0.00	3922.20
MW - 12	01/12/16	3974.55	-	52.38	0.00	3922.17
MW - 12	02/24/16	3974.55	-	52.38	0.00	3922.17
MW - 12	06/13/16	3974.55	-	52.37	0.00	3922.18
MW - 12	08/02/16	3974.55	-	52.52	0.00	3922.03
MW - 12	11/28/16	3974.55	-	52.45	0.00	3922.10
MW - 12	02/21/17	3974.55	-	52.42	0.00	3922.13
MW - 12	05/24/17	3974.55	-	52.39	0.00	3922.16
MW - 12	07/12/17	3974.55	-	52.49	0.00	3922.06
MW - 12	08/11/17	3974.55	-	52.51	0.00	3922.04
MW - 12	10/18/17	3974.55	-	52.55	0.00	3922.00
MW - 12	11/28/17	3974.55	-	52.52	0.00	3922.03
MW - 12	01/16/18	3974.55	-	52.52	0.00	3922.03
MW - 12	02/26/18	3974.55	-	52.49	0.00	3922.06
MW - 12	04/03/18	3974.55	-	52.84	0.00	3921.71
MW - 12	04/17/18	3974.55	-	52.49	0.00	3922.06
MW - 12	05/07/18	3974.55	-	52.55	0.00	3922.00
MW - 12	06/26/18	3974.55	-	52.54	0.00	3922.01
MW - 12	08/09/18	3974.55	-	52.59	0.00	3921.96
MW - 12	09/11/18	3974.55	-	52.61	0.00	3921.94
MW - 12	11/14/18	3974.55	-	52.64	0.00	3921.91
MW - 12	12/18/18	3974.55	-	52.62	0.00	3921.93
MW - 12	02/18/19	3974.55	-	52.64	0.00	3921.91
MW - 12	05/14/19	3974.55	-	52.59	0.00	3921.96
MW - 12	08/19/19	3974.55	-	52.79	0.00	3921.76
MW - 12	11/11/19	3974.55	-	52.79	0.00	3921.76
MW - 13	03/02/00	3975.00	-	53.77	0.00	3921.23
MW - 13	04/25/00	3975.00	-	53.85	0.00	3921.15
MW - 13	09/06/00	3975.00	-	53.90	0.00	3921.10
MW - 13	11/28/00	3975.00	-	53.91	0.00	3921.09

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 13	02/21/01	3975.00	-	53.80	0.00	3921.20
MW - 13	05/31/01	3975.00	-	53.72	0.00	3921.28
MW - 13	08/23/01	3975.00	-	53.76	0.00	3921.24
MW - 13	11/21/01	3975.00	-	53.83	0.00	3921.17
MW - 13	02/13/02	3975.00	-	53.86	0.00	3921.14
MW - 13	06/12/02	3975.00	-	53.81	0.00	3921.19
MW - 13	08/26/02	3975.00	-	53.82	0.00	3921.18
MW - 13	11/21/02	3975.00	-	53.89	0.00	3921.11
MW - 13	02/05/03	3975.00	-	53.85	0.00	3921.15
MW - 13	05/07/03	3975.00	-	53.78	0.00	3921.22
MW - 13	08/18/03	3975.00	-	53.88	0.00	3921.12
MW - 13	12/01/03	3975.00	-	53.91	0.00	3921.09
MW - 13	02/05/04	3975.00	-	53.90	0.00	3921.10
MW - 13	05/05/04	3975.00	-	53.90	0.00	3921.10
MW - 13	09/01/04	3975.00	-	53.93	0.00	3921.07
MW - 13	12/15/04	3975.00	-	53.88	0.00	3921.12
MW - 13	03/22/05	3975.00	-	53.64	0.00	3921.36
MW - 13	06/22/05	3975.00	-	53.58	0.00	3921.42
MW - 13	09/21/05	3975.00	-	53.51	0.00	3921.49
MW - 13	12/16/05	3975.00	-	53.44	0.00	3921.56
MW - 13	03/20/06	3975.00	-	53.43	0.00	3921.57
MW - 13	06/21/06	3975.00	-	53.38	0.00	3921.62
MW - 13	09/27/06	3975.00	-	53.33	0.00	3921.67
MW - 13	12/04/06	3975.00	-	53.33	0.00	3921.67
MW - 13	02/09/07	3975.00	-	52.32	0.00	3922.68
MW - 13	02/23/07	3975.00	-	53.27	0.00	3921.73
MW - 13	03/14/07	3975.00	-	53.28	0.00	3921.72
MW - 13	05/29/07	3975.00	-	53.26	0.00	3921.74
MW - 13	08/30/07	3975.00	-	53.22	0.00	3921.78
MW - 13	11/12/07	3975.00	-	53.19	0.00	3921.81
MW - 13	03/07/08	3975.00	-	53.13	0.00	3921.87
MW - 13	06/02/08	3975.00	-	53.07	0.00	3921.93
MW - 13	09/03/08	3975.00	-	53.07	0.00	3921.93
MW - 13	12/08/08	3975.00	-	53.05	0.00	3921.95
MW - 13	02/19/09	3975.00	-	53.02	0.00	3921.98
MW - 13	05/20/09	3975.00	-	52.99	0.00	3922.01
MW - 13	08/12/09	3975.00	-	52.99	0.00	3922.01
MW - 13	11/04/09	3975.00	-	52.94	0.00	3922.06
MW - 13	11/11/09	3975.00	-	52.94	0.00	3922.06
MW - 13	11/18/09	3975.00	-	52.95	0.00	3922.05
MW - 13	11/25/09	3975.00	-	52.97	0.00	3922.03
MW - 13	12/02/09	3975.00	-	52.95	0.00	3922.05
MW - 13	01/07/10	3975.00	-	52.94	0.00	3922.06

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 13	02/02/10	3975.00	-	52.90	0.00	3922.10
MW - 13	02/11/10	3975.00	-	52.92	0.00	3922.08
MW - 13	05/17/10	3975.00	-	53.06	0.00	3921.94
MW - 13	08/16/10	3975.00	-	53.06	0.00	3921.94
MW - 13	11/10/10	3975.00	-	53.09	0.00	3921.91
MW - 13	02/28/11	3975.00	-	53.07	0.00	3921.93
MW - 13	03/04/11	3975.00	-	52.92	0.00	3922.08
MW - 13	04/28/11	3975.00	-	52.92	0.00	3922.08
MW - 13	05/04/11	3975.00	-	52.91	0.00	3922.09
MW - 13	05/11/11	3975.00	-	52.91	0.00	3922.09
MW - 13	05/12/11	3975.00	-	52.92	0.00	3922.08
MW - 13	05/18/11	3975.00	-	52.92	0.00	3922.08
MW - 13	05/23/11	3975.00	-	52.93	0.00	3922.07
MW - 13	06/08/11	3975.00	-	52.93	0.00	3922.07
MW - 13	06/16/11	3975.00	-	52.93	0.00	3922.07
MW - 13	06/22/11	3975.00	-	52.94	0.00	3922.06
MW - 13	06/30/11	3975.00	-	52.94	0.00	3922.06
MW - 13	07/06/11	3975.00	-	52.94	0.00	3922.06
MW - 13	07/13/11	3975.00	-	52.95	0.00	3922.05
MW - 13	07/15/11	3975.00	-	52.95	0.00	3922.05
MW - 13	07/19/11	3975.00	-	52.95	0.00	3922.05
MW - 13	07/21/11	3975.00	-	52.94	0.00	3922.06
MW - 13	07/25/11	3975.00	-	52.95	0.00	3922.05
MW - 13	07/28/11	3975.00	-	52.96	0.00	3922.04
MW - 13	08/02/11	3975.00	-	52.96	0.00	3922.04
MW - 13	08/09/11	3975.00	-	52.95	0.00	3922.05
MW - 13	08/12/11	3975.00	-	52.96	0.00	3922.04
MW - 13	08/15/11	3975.00	-	53.00	0.00	3922.00
MW - 13	08/16/11	3975.00	-	52.97	0.00	3922.03
MW - 13	08/19/11	3975.00	-	52.97	0.00	3922.03
MW - 13	08/23/11	3975.00	-	52.98	0.00	3922.02
MW - 13	09/01/11	3975.00	-	52.97	0.00	3922.03
MW - 13	09/15/11	3975.00	-	52.98	0.00	3922.02
MW - 13	09/22/11	3975.00	-	52.96	0.00	3922.04
MW - 13	10/11/11	3975.00	-	52.99	0.00	3922.01
MW - 13	10/13/11	3975.00	-	53.03	0.00	3921.97
MW - 13	11/22/11	3975.00	-	52.96	0.00	3922.04
MW - 13	12/29/11	3975.00	-	52.96	0.00	3922.04
MW - 13	01/26/12	3975.00	-	52.97	0.00	3922.03
MW - 13	01/31/12	3975.00	-	52.99	0.00	3922.01
MW - 13	02/15/12	3975.00	-	52.95	0.00	3922.05
MW - 13	02/28/12	3975.00	-	52.95	0.00	3922.05
MW - 13	03/20/12	3975.00	-	53.03	0.00	3921.97

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 13	03/27/12	3975.00	-	54.96	0.00	3920.04
MW - 13	04/10/12	3975.00	-	52.98	0.00	3922.02
MW - 13	04/19/12	3975.00	-	52.98	0.00	3922.02
MW - 13	04/26/12	3975.00	-	52.96	0.00	3922.04
MW - 13	05/08/12	3975.00	-	52.97	0.00	3922.03
MW - 13	05/15/12	3975.00	-	52.94	0.00	3922.06
MW - 13	05/17/12	3975.00	-	52.93	0.00	3922.07
MW - 13	06/05/12	3975.00	-	53.00	0.00	3922.00
MW - 13	06/21/12	3975.00	-	52.64	0.00	3922.36
MW - 13	06/28/12	3975.00	-	52.70	0.00	3922.30
MW - 13	07/17/12	3975.00	-	53.01	0.00	3921.99
MW - 13	08/01/12	3975.00	-	53.04	0.00	3921.96
MW - 13	10/02/12	3975.00	-	53.31	0.00	3921.69
MW - 13	10/09/12	3975.00	-	53.19	0.00	3921.81
MW - 13	10/16/12	3975.00	-	53.13	0.00	3921.87
MW - 13	10/25/12	3975.00	-	53.14	0.00	3921.86
MW - 13	10/30/12	3975.00	-	53.11	0.00	3921.89
MW - 13	11/29/12	3975.00	-	53.14	0.00	3921.86
MW - 13	12/14/12	3975.00	-	53.16	0.00	3921.84
MW - 13	02/11/13	3975.00	-	53.09	0.00	3921.91
MW - 13	04/11/13	3975.00	-	53.29	0.00	3921.71
MW - 13	04/15/13	3975.00	-	53.20	0.00	3921.80
MW - 13	04/22/13	3975.00	-	53.14	0.00	3921.86
MW - 13	05/06/13	3975.00	-	53.14	0.00	3921.86
MW - 13	05/09/13	3975.00	-	53.14	0.00	3921.86
MW - 13	05/20/13	3975.00	-	53.14	0.00	3921.86
MW - 13	05/24/13	3975.00	-	53.25	0.00	3921.75
MW - 13	05/29/13	3975.00	-	53.26	0.00	3921.74
MW - 13	05/31/13	3975.00	-	53.23	0.00	3921.77
MW - 13	06/07/13	3975.00	-	53.31	0.00	3921.69
MW - 13	06/12/13	3975.00	-	53.30	0.00	3921.70
MW - 13	06/14/13	3975.00	-	53.25	0.00	3921.75
MW - 13	06/19/13	3975.00	-	53.24	0.00	3921.76
MW - 13	06/21/13	3975.00	-	53.28	0.00	3921.72
MW - 13	06/25/13	3975.00	-	53.21	0.00	3921.79
MW - 13	06/26/13	3975.00	-	53.26	0.00	3921.74
MW - 13	07/03/13	3975.00	-	53.26	0.00	3921.74
MW - 13	07/09/13	3975.00	-	53.25	0.00	3921.75
MW - 13	07/11/13	3975.00	-	53.31	0.00	3921.69
MW - 13	07/24/13	3975.00	-	53.22	0.00	3921.78
MW - 13	07/26/13	3975.00	-	53.29	0.00	3921.71
MW - 13	07/31/13	3975.00	-	53.25	0.00	3921.75
MW - 13	08/02/13	3975.00	-	53.29	0.00	3921.71

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 13	08/06/13	3975.00	-	53.22	0.00	3921.78
MW - 13	08/14/13	3975.00	-	53.28	0.00	3921.72
MW - 13	08/21/13	3975.00	-	53.32	0.00	3921.68
MW - 13	08/26/13	3975.00	-	53.29	0.00	3921.71
MW - 13	09/06/13	3975.00	-	53.30	0.00	3921.70
MW - 13	08/30/13	3975.00	-	53.28	0.00	3921.72
MW - 13	09/13/13	3975.00	-	53.23	0.00	3921.77
MW - 13	09/27/13	3975.00	-	53.34	0.00	3921.66
MW - 13	09/30/13	3975.00	-	53.35	0.00	3921.65
MW - 13	10/02/13	3975.00	-	53.30	0.00	3921.70
MW - 13	10/03/13	3975.00	-	53.28	0.00	3921.72
MW - 13	10/11/13	3975.00	-	53.21	0.00	3921.79
MW - 13	10/17/13	3975.00	-	53.22	0.00	3921.78
MW - 13	10/22/13	3975.00	-	53.22	0.00	3921.78
MW - 13	10/24/13	3975.00	-	53.37	0.00	3921.63
MW - 13	10/30/13	3975.00	-	53.34	0.00	3921.66
MW - 13	11/01/13	3975.00	-	53.25	0.00	3921.75
MW - 13	11/04/13	3975.00	-	53.29	0.00	3921.71
MW - 13	11/08/13	3975.00	-	53.32	0.00	3921.68
MW - 13	11/13/13	3975.00	-	53.25	0.00	3921.75
MW - 13	11/15/13	3975.00	-	53.25	0.00	3921.75
MW - 13	11/19/13	3975.00	-	53.25	0.00	3921.75
MW - 13	12/12/13	3975.00	-	53.31	0.00	3921.69
MW - 13	12/16/13	3975.00	-	53.30	0.00	3921.70
MW - 13	12/18/13	3975.00	-	53.30	0.00	3921.70
MW - 13	12/23/13	3975.00	-	53.36	0.00	3921.64
MW - 13	12/30/13	3975.00	-	53.33	0.00	3921.67
MW - 13	01/01/14	3975.00	-	53.27	0.00	3921.73
MW - 13	01/06/14	3975.00	-	53.26	0.00	3921.74
MW - 13	01/15/14	3975.00	-	53.38	0.00	3921.62
MW - 13	01/17/14	3975.00	-	53.26	0.00	3921.74
MW - 13	01/20/14	3975.00	-	53.21	0.00	3921.79
MW - 13	01/22/14	3975.00	-	52.87	0.00	3922.13
MW - 13	01/29/14	3975.00	-	53.31	0.00	3921.69
MW - 13	02/04/14	3975.00	-	53.28	0.00	3921.72
MW - 13	02/13/14	3975.00	-	53.30	0.00	3921.70
MW - 13	02/21/14	3975.00	-	53.37	0.00	3921.63
MW - 13	02/26/14	3975.00	-	53.40	0.00	3921.60
MW - 13	03/12/14	3975.00	-	53.40	0.00	3921.60
MW - 13	03/14/14	3975.00	-	53.37	0.00	3921.63
MW - 13	03/17/14	3975.00	-	53.37	0.00	3921.63
MW - 13	03/24/14	3975.00	-	53.33	0.00	3921.67
MW - 13	03/26/14	3975.00	-	53.34	0.00	3921.66

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 13	04/09/14	3975.00	-	53.24	0.00	3921.76
MW - 13	04/28/14	3975.00	-	53.24	0.00	3921.76
MW - 13	05/28/14	3975.00	-	53.34	0.00	3921.66
MW - 13	07/30/14	3975.00	-	53.36	0.00	3921.64
MW - 13	08/23/14	3975.00	-	53.40	0.00	3921.60
MW - 13	10/31/14	3975.00	-	53.40	0.00	3921.60
MW - 13	11/18/14	3975.00	-	53.38	0.00	3921.62
MW - 13	01/09/15	3975.00	-	53.35	0.00	3921.65
MW - 13	02/19/15	3975.00	-	53.34	0.00	3921.66
MW - 13	03/31/15	3975.00	-	53.35	0.00	3921.65
MW - 13	04/09/15	3975.00	-	53.29	0.00	3921.71
MW - 13	05/12/15	3975.00	-	53.30	0.00	3921.70
MW - 13	07/27/15	3975.00	-	53.37	0.00	3921.63
MW - 13	08/18/15	3975.00	-	53.35	0.00	3921.65
MW - 13	10/08/15	3975.00	-	53.43	0.00	3921.57
MW - 13	11/23/15	3975.00	-	53.34	0.00	3921.66
MW - 13	01/12/16	3975.00	-	53.38	0.00	3921.62
MW - 13	02/24/16	3975.00	-	53.35	0.00	3921.65
MW - 13	06/13/16	3975.00	-	53.35	0.00	3921.65
MW - 13	08/02/16	3975.00	-	53.49	0.00	3921.51
MW - 13	11/28/16	3975.00	-	53.42	0.00	3921.58
MW - 13	02/21/17	3975.00	-	53.43	0.00	3921.57
MW - 13	05/24/17	3975.00	-	53.41	0.00	3921.59
MW - 13	07/12/17	3975.00	-	53.50	0.00	3921.50
MW - 13	08/11/17	3975.00	-	53.47	0.00	3921.53
MW - 13	10/18/17	3975.00	-	53.54	0.00	3921.46
MW - 13	11/28/17	3975.00	-	53.52	0.00	3921.48
MW - 13	01/16/18	3975.00	-	53.52	0.00	3921.48
MW - 13	02/26/18	3975.00	-	53.49	0.00	3921.51
MW - 13	04/03/18	3975.00	-	53.48	0.00	3921.52
MW - 13	04/17/18	3975.00	-	53.48	0.00	3921.52
MW - 13	05/07/18	3975.00	-	53.66	0.00	3921.34
MW - 13	06/26/18	3975.00	-	53.55	0.00	3921.45
MW - 13	08/09/18	3975.00	-	53.57	0.00	3921.43
MW - 13	09/11/18	3975.00	-	53.61	0.00	3921.39
MW - 13	09/11/18	3975.00	-	53.65	0.00	3921.35
MW - 13	11/14/18	3974.55	-	53.65	0.00	3920.90
MW - 13	12/18/18	3975.00	-	53.60	0.00	3921.40
MW - 13	02/18/19	3975.00	-	53.64	0.00	3921.36
MW - 13	05/14/19	3975.00	-	53.60	0.00	3921.40
MW - 13	08/19/19	3975.00	-	53.79	0.00	3921.21
MW - 13	11/11/19	3975.00	-	53.84	0.00	3921.16

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 14	03/02/00	3976.15	-	54.49	0.00	3921.66
MW - 14	04/25/00	3976.15	-	54.55	0.00	3921.60
MW - 14	09/06/00	3976.15	-	54.61	0.00	3921.54
MW - 14	11/28/00	3976.15	-	54.61	0.00	3921.54
MW - 14	02/21/01	3976.15	-	54.44	0.00	3921.71
MW - 14	05/31/01	3976.15	-	54.45	0.00	3921.70
MW - 14	08/23/01	3976.15	-	54.47	0.00	3921.68
MW - 14	11/21/01	3976.15	-	54.50	0.00	3921.65
MW - 14	02/13/02	3976.15	-	54.55	0.00	3921.60
MW - 14	06/12/02	3976.15	-	54.52	0.00	3921.63
MW - 14	08/26/02	3976.15	-	54.53	0.00	3921.62
MW - 14	11/21/02	3976.15	-	54.57	0.00	3921.58
MW - 14	02/05/03	3976.15	-	54.52	0.00	3921.63
MW - 14	05/07/03	3976.15	-	54.51	0.00	3921.64
MW - 14	08/18/03	3976.15	-	54.57	0.00	3921.58
MW - 14	12/01/03	3976.15	-	54.61	0.00	3921.54
MW - 14	02/05/04	3976.15	-	54.60	0.00	3921.55
MW - 14	05/05/04	3976.15	-	54.58	0.00	3921.57
MW - 14	09/01/04	3976.15	-	54.65	0.00	3921.50
MW - 14	12/15/04	3976.15	-	54.60	0.00	3921.55
MW - 14	03/22/05	3976.15	-	54.40	0.00	3921.75
MW - 14	06/22/05	3976.15	-	54.29	0.00	3921.86
MW - 14	09/21/05	3976.15	-	54.21	0.00	3921.94
MW - 14	12/16/05	3976.15	-	54.14	0.00	3922.01
MW - 14	03/20/06	3976.15	-	54.11	0.00	3922.04
MW - 14	06/21/06	3976.15	-	54.06	0.00	3922.09
MW - 14	09/27/06	3976.15	-	54.04	0.00	3922.11
MW - 14	12/04/06	3976.15	-	54.02	0.00	3922.13
MW - 14	02/09/07	3976.15	-	54.01	0.00	3922.14
MW - 14	02/23/07	3976.15	-	53.96	0.00	3922.19
MW - 14	03/14/07	3976.15	-	53.99	0.00	3922.16
MW - 14	05/29/07	3976.15	-	53.94	0.00	3922.21
MW - 14	08/30/07	3976.15	-	53.92	0.00	3922.23
MW - 14	11/12/07	3976.15	-	53.87	0.00	3922.28
MW - 14	03/07/08	3976.15	-	53.81	0.00	3922.34
MW - 14	06/02/08	3976.15	-	53.75	0.00	3922.40
MW - 14	09/03/08	3976.15	-	53.75	0.00	3922.40
MW - 14	12/08/08	3976.15	-	53.70	0.00	3922.45
MW - 14	02/19/09	3976.15	-	53.71	0.00	3922.44
MW - 14	05/20/09	3976.15	-	53.69	0.00	3922.46
MW - 14	08/12/09	3976.15	-	53.69	0.00	3922.46
MW - 14	11/04/09	3976.15	-	53.66	0.00	3922.49
MW - 14	11/11/09	3976.15	-	53.66	0.00	3922.49

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 14	11/18/09	3976.15	-	53.65	0.00	3922.50
MW - 14	11/25/09	3976.15	-	53.65	0.00	3922.50
MW - 14	12/02/09	3976.15	-	52.02	0.00	3924.13
MW - 14	01/07/10	3976.15	-	53.64	0.00	3922.51
MW - 14	02/02/10	3976.15	-	53.63	0.00	3922.52
MW - 14	02/11/10	3976.15	-	53.63	0.00	3922.52
MW - 14	05/17/10	3976.15	-	53.72	0.00	3922.43
MW - 14	08/16/10	3976.15	-	53.71	0.00	3922.44
MW - 14	11/10/10	3976.15	-	53.70	0.00	3922.45
MW - 14	02/28/11	3976.15	-	53.71	0.00	3922.44
MW - 14	03/04/11	3976.15	-	53.56	0.00	3922.59
MW - 14	04/28/11	3976.15	-	53.63	0.00	3922.52
MW - 14	05/04/11	3976.15	-	52.38	0.00	3923.77
MW - 14	05/11/11	3976.15	-	53.59	0.00	3922.56
MW - 14	05/12/11	3976.15	-	53.58	0.00	3922.57
MW - 14	05/18/11	3976.15	-	53.57	0.00	3922.58
MW - 14	05/23/11	3976.15	-	53.62	0.00	3922.53
MW - 14	06/08/11	3976.15	-	53.45	0.00	3922.70
MW - 14	06/16/11	3976.15	-	53.53	0.00	3922.62
MW - 14	06/22/11	3976.15	-	53.52	0.00	3922.63
MW - 14	06/30/11	3976.15	-	53.71	0.00	3922.44
MW - 14	07/06/11	3976.15	-	53.60	0.00	3922.55
MW - 14	07/13/11	3976.15	-	53.66	0.00	3922.49
MW - 14	07/15/11	3976.15	-	53.67	0.00	3922.48
MW - 14	07/19/11	3976.15	-	53.62	0.00	3922.53
MW - 14	07/21/11	3976.15	-	53.58	0.00	3922.57
MW - 14	07/25/11	3976.15	-	53.57	0.00	3922.58
MW - 14	07/28/11	3976.15	-	53.62	0.00	3922.53
MW - 14	08/02/11	3976.15	-	53.70	0.00	3922.45
MW - 14	08/09/11	3976.15	-	53.66	0.00	3922.49
MW - 14	08/12/11	3976.15	-	53.67	0.00	3922.48
MW - 14	08/15/11	3976.15	-	53.67	0.00	3922.48
MW - 14	08/16/11	3976.15	-	53.66	0.00	3922.49
MW - 14	08/19/11	3976.15	-	53.69	0.00	3922.46
MW - 14	08/23/11	3976.15	-	53.71	0.00	3922.44
MW - 14	08/26/11	3976.15	-	53.72	0.00	3922.43
MW - 14	08/30/11	3976.15	-	53.63	0.00	3922.52
MW - 14	09/01/11	3976.15	-	53.68	0.00	3922.47
MW - 14	09/15/11	3976.15	-	53.68	0.00	3922.47
MW - 14	09/22/11	3976.15	-	53.61	0.00	3922.54
MW - 14	10/11/11	3976.15	-	53.72	0.00	3922.43
MW - 14	10/13/11	3976.15	-	53.76	0.00	3922.39
MW - 14	10/26/11	3976.15	-	53.70	0.00	3922.45

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 14	11/22/11	3976.15	-	53.66	0.00	3922.49
MW - 14	12/29/11	3976.15	-	53.63	0.00	3922.52
MW - 14	01/26/12	3976.15	-	53.64	0.00	3922.51
MW - 14	02/28/12	3976.15	-	53.62	0.00	3922.53
MW - 14	03/20/12	3976.15	-	53.68	0.00	3922.47
MW - 14	03/27/12	3976.15	-	53.65	0.00	3922.50
MW - 14	05/17/12	3976.15	-	53.64	0.00	3922.51
MW - 14	08/01/12	3976.15	-	53.75	0.00	3922.40
MW - 14	10/25/12	3976.15	-	53.80	0.00	3922.35
MW - 14	11/29/12	3976.15	-	53.81	0.00	3922.34
MW - 14	02/11/13	3976.15	-	53.73	0.00	3922.42
MW - 14	04/11/13	3976.15	-	53.96	0.00	3922.19
MW - 14	05/06/13	3976.15	-	53.82	0.00	3922.33
MW - 14	05/29/13	3976.15	-	53.93	0.00	3922.22
MW - 14	06/26/13	3976.15	-	53.86	0.00	3922.29
MW - 14	07/31/13	3976.15	-	53.79	0.00	3922.36
MW - 14	08/06/13	3976.15	-	53.82	0.00	3922.33
MW - 14	09/30/13	3976.15	-	53.90	0.00	3922.25
MW - 14	11/19/13	3976.15	-	53.96	0.00	3922.19
MW - 14	02/04/14	3976.15	-	53.95	0.00	3922.20
MW - 14	04/28/14	3976.15	-	53.94	0.00	3922.21
MW - 14	05/28/14	3976.15	-	53.96	0.00	3922.19
MW - 14	07/30/14	3976.15	-	54.00	0.00	3922.15
MW - 14	08/23/14	3976.15	-	54.06	0.00	3922.09
MW - 14	10/31/14	3976.15	-	54.04	0.00	3922.11
MW - 14	11/18/14	3976.15	-	54.05	0.00	3922.10
MW - 14	11/18/14	3976.15	-	52.46	0.00	3923.69
MW - 14	01/09/15	3976.15	-	54.02	0.00	3922.13
MW - 14	02/19/15	3976.15	-	54.02	0.00	3922.13
MW - 14	03/31/15	3976.15	-	54.02	0.00	3922.13
MW - 14	04/09/15	3976.15	-	53.96	0.00	3922.19
MW - 14	05/12/15	3976.15	-	53.98	0.00	3922.17
MW - 14	07/27/15	3976.15	-	54.04	0.00	3922.11
MW - 14	08/18/15	3976.15	-	53.92	0.00	3922.23
MW - 14	10/08/15	3976.15	-	54.05	0.00	3922.10
MW - 14	11/23/15	3976.15	-	54.01	0.00	3922.14
MW - 14	01/12/16	3976.15	-	54.07	0.00	3922.08
MW - 14	02/24/16	3976.15	-	54.06	0.00	3922.09
MW - 14	06/13/16	3976.15	-	54.06	0.00	3922.09
MW - 14	08/02/16	3976.15	-	54.18	0.00	3921.97
MW - 14	11/28/16	3976.15	-	54.14	0.00	3922.01
MW - 14	02/21/17	3976.15	-	54.11	0.00	3922.04
MW - 14	05/24/17	3976.15	-	54.08	0.00	3922.07

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 14	07/12/17	3976.15	-	54.14	0.00	3922.01
MW - 14	08/11/17	3976.15	-	54.16	0.00	3921.99
MW - 14	10/18/17	3976.15	-	54.21	0.00	3921.94
MW - 14	11/28/17	3976.15	-	54.21	0.00	3921.94
MW - 14	01/16/18	3976.15	-	54.21	0.00	3921.94
MW - 14	02/26/18	3976.15	-	54.18	0.00	3921.97
MW - 14	04/03/18	3976.15	-	54.16	0.00	3921.99
MW - 14	04/17/18	3976.15	-	54.18	0.00	3921.97
MW - 14	05/07/18	3976.15	-	54.20	0.00	3921.95
MW - 14	06/26/18	3976.15	-	54.25	0.00	3921.90
MW - 14	08/09/18	3976.15	-	54.28	0.00	3921.87
MW - 14	11/14/18	3976.15	-	54.31	0.00	3921.84
MW - 14	11/27/18	3976.15	-	54.34	0.00	3921.81
MW - 14	12/18/18	3976.15	-	54.31	0.00	3921.84
MW - 14	02/18/19	3976.15	-	54.33	0.00	3921.82
MW - 14	05/14/19	3976.15	-	54.29	0.00	3921.86
MW - 14	08/19/19	3976.15	-	54.47	0.00	3921.68
MW - 14	11/11/19	3976.15	-	54.49	0.00	3921.66
MW - 15	03/02/00	3974.69	-	53.31	0.00	3921.38
MW - 15	04/25/00	3974.69	-	53.39	0.00	3921.30
MW - 15	09/06/00	3974.69	-	53.45	0.00	3921.24
MW - 15	11/28/00	3974.69	-	53.45	0.00	3921.24
MW - 15	02/21/01	3974.69	-	53.35	0.00	3921.34
MW - 15	05/31/01	3974.69	-	53.25	0.00	3921.44
MW - 15	08/23/01	3974.69	-	53.32	0.00	3921.37
MW - 15	11/21/01	3974.69	-	53.46	0.00	3921.23
MW - 15	02/13/02	3974.69	-	53.39	0.00	3921.30
MW - 15	06/12/02	3974.69	-	53.36	0.00	3921.33
MW - 15	08/26/02	3974.69	-	53.45	0.00	3921.24
MW - 15	11/21/02	3974.69	-	53.42	0.00	3921.27
MW - 15	02/05/03	3974.69	-	53.40	0.00	3921.29
MW - 15	05/07/03	3974.69	-	53.35	0.00	3921.34
MW - 15	08/18/03	3974.69	-	53.41	0.00	3921.28
MW - 15	12/01/03	3974.69	-	53.45	0.00	3921.24
MW - 15	02/05/04	3974.69	-	53.45	0.00	3921.24
MW - 15	05/05/04	3974.69	-	53.42	0.00	3921.27
MW - 15	09/01/04	3974.69	-	53.47	0.00	3921.22
MW - 15	12/15/04	3974.69	-	53.40	0.00	3921.29
MW - 15	03/22/05	3974.69	-	53.19	0.00	3921.50
MW - 15	06/22/05	3974.69	-	53.14	0.00	3921.55
MW - 15	09/21/05	3974.69	-	53.05	0.00	3921.64
MW - 15	12/16/05	3974.69	-	52.99	0.00	3921.70

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 15	03/20/06	3974.69	-	52.96	0.00	3921.73
MW - 15	06/21/06	3974.69	-	52.91	0.00	3921.78
MW - 15	09/27/06	3974.69	-	52.88	0.00	3921.81
MW - 15	12/04/06	3974.69	-	52.88	0.00	3921.81
MW - 15	02/09/07	3974.69	-	52.87	0.00	3921.82
MW - 15	02/23/07	3974.69	-	52.80	0.00	3921.89
MW - 15	03/14/07	3974.69	-	52.81	0.00	3921.88
MW - 15	05/29/07	3974.69	-	52.79	0.00	3921.90
MW - 15	08/30/07	3974.69	-	52.77	0.00	3921.92
MW - 15	11/12/07	3974.69	-	52.73	0.00	3921.96
MW - 15	03/07/08	3974.69	-	52.66	0.00	3922.03
MW - 15	06/02/08	3974.69	-	52.60	0.00	3922.09
MW - 15	09/03/08	3974.69	-	52.62	0.00	3922.07
MW - 15	12/08/08	3974.69	-	52.62	0.00	3922.07
MW - 15	02/19/09	3974.69	-	52.56	0.00	3922.13
MW - 15	05/20/09	3974.69	-	52.53	0.00	3922.16
MW - 15	08/12/09	3974.69	-	52.53	0.00	3922.16
MW - 15	11/04/09	3974.69	-	52.47	0.00	3922.22
MW - 15	11/11/09	3974.69	-	52.46	0.00	3922.23
MW - 15	11/18/09	3974.69	-	52.50	0.00	3922.19
MW - 15	11/25/09	3974.69	-	52.51	0.00	3922.18
MW - 15	12/02/09	3974.69	-	52.49	0.00	3922.20
MW - 15	01/07/10	3974.69	-	52.50	0.00	3922.19
MW - 15	02/02/10	3974.69	-	52.47	0.00	3922.22
MW - 15	02/11/10	3974.69	-	52.47	0.00	3922.22
MW - 15	05/17/10	3974.69	-	52.59	0.00	3922.10
MW - 15	08/16/10	3974.69	-	52.59	0.00	3922.10
MW - 15	11/10/10	3974.69	-	52.58	0.00	3922.11
MW - 15	02/28/11	3974.69	-	52.59	0.00	3922.10
MW - 15	03/04/11	3974.69	-	52.43	0.00	3922.26
MW - 15	04/28/11	3974.69	-	52.38	0.00	3922.31
MW - 15	05/04/11	3974.69	-	52.37	0.00	3922.32
MW - 15	05/11/11	3974.69	-	52.39	0.00	3922.30
MW - 15	05/12/11	3974.69	-	52.48	0.00	3922.21
MW - 15	05/18/11	3974.69	-	52.51	0.00	3922.18
MW - 15	05/23/11	3974.69	-	52.30	0.00	3922.39
MW - 15	06/08/11	3974.69	-	52.53	0.00	3922.16
MW - 15	06/16/11	3974.69	-	52.46	0.00	3922.23
MW - 15	06/22/11	3974.69	-	52.44	0.00	3922.25
MW - 15	06/30/11	3974.69	-	52.49	0.00	3922.20
MW - 15	07/06/11	3974.69	-	52.48	0.00	3922.21
MW - 15	07/13/11	3974.69	-	52.49	0.00	3922.20
MW - 15	07/15/11	3974.69	-	52.54	0.00	3922.15

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 15	07/19/11	3974.69	-	52.50	0.00	3922.19
MW - 15	07/21/11	3974.69	-	52.52	0.00	3922.17
MW - 15	07/26/11	3974.69	-	52.50	0.00	3922.19
MW - 15	07/28/11	3974.69	-	52.58	0.00	3922.11
MW - 15	08/02/11	3974.69	-	52.63	0.00	3922.06
MW - 15	08/09/11	3974.69	-	52.65	0.00	3922.04
MW - 15	08/12/11	3974.69	-	52.70	0.00	3921.99
MW - 15	08/15/11	3974.69	-	52.70	0.00	3921.99
MW - 15	08/16/11	3974.69	-	52.69	0.00	3922.00
MW - 15	08/19/11	3974.69	-	52.72	0.00	3921.97
MW - 15	08/23/11	3974.69	-	52.74	0.00	3921.95
MW - 15	08/26/11	3974.69	-	52.76	0.00	3921.93
MW - 15	08/30/11	3974.69	-	52.50	0.00	3922.19
MW - 15	09/01/11	3974.69	-	52.53	0.00	3922.16
MW - 15	09/15/11	3974.69	-	52.58	0.00	3922.11
MW - 15	09/22/11	3974.69	-	52.52	0.00	3922.17
MW - 15	10/11/11	3974.69	-	52.13	0.00	3922.56
MW - 15	10/13/11	3974.69	-	52.64	0.00	3922.05
MW - 15	10/26/11	3974.69	-	52.59	0.00	3922.10
MW - 15	11/22/11	3974.69	-	52.54	0.00	3922.15
MW - 15	12/29/11	3974.69	-	52.46	0.00	3922.23
MW - 15	01/26/12	3974.69	-	52.55	0.00	3922.14
MW - 15	01/31/12	3974.69	-	52.56	0.00	3922.13
MW - 15	02/15/12	3974.69	-	52.50	0.00	3922.19
MW - 15	02/28/12	3974.69	-	52.51	0.00	3922.18
MW - 15	03/20/12	3974.69	-	52.57	0.00	3922.12
MW - 15	03/27/12	3974.69	-	52.54	0.00	3922.15
MW - 15	04/10/12	3974.69	-	52.54	0.00	3922.15
MW - 15	04/19/12	3974.69	-	52.55	0.00	3922.14
MW - 15	04/26/12	3974.69	-	52.49	0.00	3922.20
MW - 15	05/08/12	3974.69	-	52.50	0.00	3922.19
MW - 15	05/15/12	3974.69	-	52.51	0.00	3922.18
MW - 15	05/17/12	3974.69	-	52.49	0.00	3922.20
MW - 15	06/05/12	3974.69	-	52.53	0.00	3922.16
MW - 15	06/21/12	3974.69	-	53.09	0.00	3921.60
MW - 15	06/28/12	3974.69	-	53.16	0.00	3921.53
MW - 15	08/01/12	3974.69	-	52.60	0.00	3922.09
MW - 15	10/02/12	3974.69	-	52.70	0.00	3921.99
MW - 15	10/09/12	3974.69	-	52.75	0.00	3921.94
MW - 15	10/16/12	3974.69	-	52.67	0.00	3922.02
MW - 15	10/25/12	3974.69	-	52.67	0.00	3922.02
MW - 15	10/30/12	3974.69	-	52.68	0.00	3922.01
MW - 15	11/29/12	3974.69	-	52.73	0.00	3921.96

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 15	12/14/12	3974.69	-	52.71	0.00	3921.98
MW - 15	02/11/13	3974.69	-	52.65	0.00	3922.04
MW - 15	04/11/13	3974.69	-	52.91	0.00	3921.78
MW - 15	04/15/13	3974.69	-	52.91	0.00	3921.78
MW - 15	04/22/13	3974.69	-	52.66	0.00	3922.03
MW - 15	05/06/13	3974.69	-	52.66	0.00	3922.03
MW - 15	05/09/13	3974.69	-	52.68	0.00	3922.01
MW - 15	05/20/13	3974.69	-	52.69	0.00	3922.00
MW - 15	05/24/13	3974.69	-	52.83	0.00	3921.86
MW - 15	05/29/13	3974.69	-	52.92	0.00	3921.77
MW - 15	05/31/13	3974.69	-	52.82	0.00	3921.87
MW - 15	06/07/13	3974.69	-	52.93	0.00	3921.76
MW - 15	06/12/13	3974.69	-	52.91	0.00	3921.78
MW - 15	06/14/13	3974.69	-	52.86	0.00	3921.83
MW - 15	06/19/13	3974.69	-	52.88	0.00	3921.81
MW - 15	06/21/13	3974.69	-	52.94	0.00	3921.75
MW - 15	06/25/13	3974.69	-	52.75	0.00	3921.94
MW - 15	06/26/13	3974.69	-	52.88	0.00	3921.81
MW - 15	07/03/13	3974.69	-	52.86	0.00	3921.83
MW - 15	07/09/13	3974.69	-	52.87	0.00	3921.82
MW - 15	07/11/13	3974.69	-	52.92	0.00	3921.77
MW - 15	07/24/13	3974.69	-	52.84	0.00	3921.85
MW - 15	07/26/13	3974.69	-	52.88	0.00	3921.81
MW - 15	07/31/13	3974.69	-	52.83	0.00	3921.86
MW - 15	08/02/13	3974.69	-	52.87	0.00	3921.82
MW - 15	08/06/13	3974.69	-	52.78	0.00	3921.91
MW - 15	08/14/13	3974.69	-	52.89	0.00	3921.80
MW - 15	08/21/13	3974.69	-	52.91	0.00	3921.78
MW - 15	08/26/13	3974.69	-	52.87	0.00	3921.82
MW - 15	09/06/13	3974.69	-	52.87	0.00	3921.82
MW - 15	08/30/13	3974.69	-	52.84	0.00	3921.85
MW - 15	09/13/13	3974.69	-	52.80	0.00	3921.89
MW - 15	09/27/13	3974.69	-	52.93	0.00	3921.76
MW - 15	09/30/13	3974.69	-	52.91	0.00	3921.78
MW - 15	10/02/13	3974.69	-	52.92	0.00	3921.77
MW - 15	10/03/13	3974.69	-	52.88	0.00	3921.81
MW - 15	10/11/13	3974.69	-	52.76	0.00	3921.93
MW - 15	10/17/13	3974.69	-	52.79	0.00	3921.90
MW - 15	10/22/13	3974.69	-	52.78	0.00	3921.91
MW - 15	10/24/13	3974.69	-	52.96	0.00	3921.73
MW - 15	10/30/13	3974.69	-	52.92	0.00	3921.77
MW - 15	11/01/13	3974.69	-	52.85	0.00	3921.84
MW - 15	11/04/13	3974.69	-	52.83	0.00	3921.86

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 15	11/08/13	3974.69	-	52.95	0.00	3921.74
MW - 15	11/13/13	3974.69	-	52.80	0.00	3921.89
MW - 15	11/15/13	3974.69	-	52.81	0.00	3921.88
MW - 15	11/19/13	3974.69	-	52.79	0.00	3921.90
MW - 15	12/08/13	3974.69	-	52.79	0.00	3921.90
MW - 15	12/12/13	3974.69	-	52.85	0.00	3921.84
MW - 15	12/16/13	3974.69	-	52.83	0.00	3921.86
MW - 15	12/18/13	3974.69	-	52.84	0.00	3921.85
MW - 15	12/23/13	3974.69	-	52.94	0.00	3921.75
MW - 15	12/30/13	3974.69	-	52.89	0.00	3921.80
MW - 15	01/01/14	3974.69	-	52.85	0.00	3921.84
MW - 15	01/06/14	3974.69	-	52.83	0.00	3921.86
MW - 15	01/15/14	3974.69	-	52.98	0.00	3921.71
MW - 15	01/17/14	3974.69	-	52.82	0.00	3921.87
MW - 15	01/20/14	3974.69	-	52.80	0.00	3921.89
MW - 15	01/22/14	3974.69	-	53.36	0.00	3921.33
MW - 15	01/29/14	3974.69	-	52.84	0.00	3921.85
MW - 15	02/04/14	3974.69	-	52.81	0.00	3921.88
MW - 15	02/13/14	3974.69	-	52.83	0.00	3921.86
MW - 15	02/21/14	3974.69	-	52.98	0.00	3921.71
MW - 15	02/26/14	3974.69	-	53.00	0.00	3921.69
MW - 15	03/12/14	3974.69	-	52.98	0.00	3921.71
MW - 15	03/14/14	3974.69	-	52.95	0.00	3921.74
MW - 15	03/17/14	3974.69	-	52.94	0.00	3921.75
MW - 15	03/24/14	3974.69	-	52.92	0.00	3921.77
MW - 15	03/26/14	3974.69	-	52.91	0.00	3921.78
MW - 15	04/09/14	3974.69	-	52.79	0.00	3921.90
MW - 15	04/28/14	3974.69	-	52.80	0.00	3921.89
MW - 15	05/28/14	3974.69	-	52.92	0.00	3921.77
MW - 15	06/18/14	3974.69	-	52.83	0.00	3921.86
MW - 15	07/30/14	3974.69	-	52.89	0.00	3921.80
MW - 15	08/23/14	3974.69	-	52.93	0.00	3921.76
MW - 15	10/31/14	3974.69	-	52.94	0.00	3921.75
MW - 15	11/18/14	3974.69	-	52.91	0.00	3921.78
MW - 15	01/09/15	3974.69	-	52.87	0.00	3921.82
MW - 15	02/19/15	3974.69	-	52.90	0.00	3921.79
MW - 15	03/31/15	3974.69	-	52.93	0.00	3921.76
MW - 15	04/09/15	3974.69	-	52.80	0.00	3921.89
MW - 15	05/12/15	3974.69	-	52.84	0.00	3921.85
MW - 15	07/27/15	3974.69	-	52.95	0.00	3921.74
MW - 15	08/18/15	3974.69	-	52.88	0.00	3921.81
MW - 15	10/08/15	3974.69	-	53.03	0.00	3921.66
MW - 15	11/23/15	3974.69	-	52.91	0.00	3921.78

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 15	01/12/16	3974.69	-	52.90	0.00	3921.79
MW - 15	02/24/16	3974.69	-	52.90	0.00	3921.79
MW - 15	06/13/16	3974.69	-	52.93	0.00	3921.76
MW - 15	08/02/16	3974.69	-	53.07	0.00	3921.62
MW - 15	11/28/16	3974.69	-	52.98	0.00	3921.71
MW - 15	02/21/17	3974.69	-	52.95	0.00	3921.74
MW - 15	05/24/17	3974.69	-	52.93	0.00	3921.76
MW - 15	07/12/17	3974.69	-	53.05	0.00	3921.64
MW - 15	08/11/17	3974.69	-	53.01	0.00	3921.68
MW - 15	10/18/17	3974.69	-	53.09	0.00	3921.60
MW - 15	11/28/17	3974.69	-	53.06	0.00	3921.63
MW - 15	01/16/18	3974.69	-	53.05	0.00	3921.64
MW - 15	02/26/18	3974.69	-	53.01	0.00	3921.68
MW - 15	04/03/18	3974.69	-	53.02	0.00	3921.67
MW - 15	04/17/18	3974.69	-	53.01	0.00	3921.68
MW - 15	05/07/18	3974.69	-	53.11	0.00	3921.58
MW - 15	06/26/18	3974.69	-	53.08	0.00	3921.61
MW - 15	08/09/18	3974.69	-	53.14	0.00	3921.55
MW - 15	09/11/18	3974.69	-	53.15	0.00	3921.54
MW - 15	09/11/18	3974.69	-	53.21	0.00	3921.48
MW - 15	11/14/18	3974.69	-	53.21	0.00	3921.48
MW - 15	12/18/18	3974.69	-	53.12	0.00	3921.57
MW - 15	02/18/19	3974.69	-	53.16	0.00	3921.53
MW - 15	05/14/19	3974.69	-	53.11	0.00	3921.58
MW - 15	08/19/19	3974.69	-	53.30	0.00	3921.39
MW - 15	11/11/19	3974.69	-	53.32	0.00	3921.37
MW - 16	12/23/02	3975.12	-	53.44	0.00	3921.68
MW - 16	01/10/03	3975.12	-	53.45	0.00	3921.67
MW - 16	05/07/03	3975.12	-	53.38	0.00	3921.74
MW - 16	08/18/03	3975.12	-	53.44	0.00	3921.68
MW - 16	12/01/03	3975.12	-	53.48	0.00	3921.64
MW - 16	02/05/04	3975.12	-	53.48	0.00	3921.64
MW - 16	05/05/04	3975.12	-	53.41	0.00	3921.71
MW - 16	09/01/04	3975.12	-	53.52	0.00	3921.60
MW - 16	12/15/04	3975.12	-	53.48	0.00	3921.64
MW - 16	03/22/05	3975.12	-	53.26	0.00	3921.86
MW - 16	06/22/05	3975.12	-	53.15	0.00	3921.97
MW - 16	09/21/05	3975.12	-	53.08	0.00	3922.04
MW - 16	12/16/05	3975.12	-	53.02	0.00	3922.10
MW - 16	03/20/06	3975.12	-	52.97	0.00	3922.15
MW - 16	06/21/06	3975.12	-	52.94	0.00	3922.18
MW - 16	09/27/06	3975.12	-	52.90	0.00	3922.22

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 16	12/04/06	3975.12	-	52.88	0.00	3922.24
MW - 16	03/14/07	3975.12	-	52.84	0.00	3922.28
MW - 16	05/29/07	3975.12	-	52.80	0.00	3922.32
MW - 16	08/30/07	3975.12	-	52.78	0.00	3922.34
MW - 16	11/12/07	3975.12	-	52.73	0.00	3922.39
MW - 16	03/07/08	3975.12	-	52.66	0.00	3922.46
MW - 16	06/02/08	3975.12	-	52.62	0.00	3922.50
MW - 16	09/03/08	3975.12	-	52.63	0.00	3922.49
MW - 16	12/08/08	3975.12	-	52.57	0.00	3922.55
MW - 16	02/19/09	3975.12	-	52.58	0.00	3922.54
MW - 16	05/20/09	3975.12	-	52.54	0.00	3922.58
MW - 16	08/12/09	3975.12	-	52.55	0.00	3922.57
MW - 16	11/25/09	3975.12	-	52.51	0.00	3922.61
MW - 16	01/07/10	3975.12	-	52.51	0.00	3922.61
MW - 16	02/11/10	3975.12	-	52.48	0.00	3922.64
MW - 16	05/17/10	3975.12	-	52.60	0.00	3922.52
MW - 16	08/16/10	3975.12	-	52.61	0.00	3922.51
MW - 16	11/10/10	3975.12	-	52.61	0.00	3922.51
MW - 16	02/28/11	3975.12	-	52.60	0.00	3922.52
MW - 16	05/12/11	3975.12	-	52.29	0.00	3922.83
MW - 16	08/15/11	3975.12	-	52.56	0.00	3922.56
MW - 16	11/22/11	3975.12	-	52.40	0.00	3922.72
MW - 16	02/28/12	3975.12	-	52.41	0.00	3922.71
MW - 16	05/17/12	3975.12	-	52.50	0.00	3922.62
MW - 16	08/01/12	3975.12	-	52.61	0.00	3922.51
MW - 16	10/25/12	3975.12	-	52.64	0.00	3922.48
MW - 16	11/29/12	3975.12	-	52.41	0.00	3922.71
MW - 16	02/11/13	3975.12	-	52.59	0.00	3922.53
MW - 16	04/11/13	3975.12	-	52.19	0.00	3922.93
MW - 16	05/06/13	3975.12	-	52.67	0.00	3922.45
MW - 16	05/29/13	3975.12	-	52.42	0.00	3922.70
MW - 16	06/26/13	3975.12	-	52.19	0.00	3922.93
MW - 16	07/31/13	3975.12	-	52.32	0.00	3922.80
MW - 16	08/06/13	3975.12	-	52.42	0.00	3922.70
MW - 16	09/30/13	3975.12	-	52.49	0.00	3922.63
MW - 16	11/19/13	3975.12	-	52.81	0.00	3922.31
MW - 16	02/04/14	3975.12	-	52.81	0.00	3922.31
MW - 16	04/28/14	3975.12	-	52.81	0.00	3922.31
MW - 16	05/28/14	3975.12	-	52.66	0.00	3922.46
MW - 16	07/30/14	3975.12	-	52.80	0.00	3922.32
MW - 16	08/23/14	3975.12	-	52.90	0.00	3922.22
MW - 16	10/31/14	3975.12	-	52.86	0.00	3922.26
MW - 16	11/18/14	3975.12	-	52.90	0.00	3922.22

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 16	01/09/15	3975.12	-	52.88	0.00	3922.24
MW - 16	02/19/15	3975.12	-	52.84	0.00	3922.28
MW - 16	03/31/15	3975.12	-	52.72	0.00	3922.40
MW - 16	04/09/15	3975.12	-	52.80	0.00	3922.32
MW - 16	05/12/15	3975.12	-	52.86	0.00	3922.26
MW - 16	07/27/15	3975.12	-	52.72	0.00	3922.40
MW - 16	08/18/15	3975.12	-	52.60	0.00	3922.52
MW - 16	10/08/15	3975.12	-	52.69	0.00	3922.43
MW - 16	11/23/15	3975.12	-	52.81	0.00	3922.31
MW - 16	01/12/16	3975.12	-	52.92	0.00	3922.20
MW - 16	02/24/16	3975.12	-	52.90	0.00	3922.22
MW - 16	06/13/16	3975.12	-	52.91	0.00	3922.21
MW - 16	08/02/16	3975.12	-	52.96	0.00	3922.16
MW - 16	11/28/16	3975.12	-	53.00	0.00	3922.12
MW - 16	02/21/17	3975.12	-	52.98	0.00	3922.14
MW - 16	05/24/17	3975.12	-	52.95	0.00	3922.17
MW - 16	07/12/17	3975.12	-	52.95	0.00	3922.17
MW - 16	08/11/17	3975.12	-	52.95	0.00	3922.17
MW - 16	10/18/17	3975.12	-	52.91	0.00	3922.21
MW - 16	11/28/17	3975.12	-	53.07	0.00	3922.05
MW - 16	01/16/18	3975.12	-	53.08	0.00	3922.04
MW - 16	02/26/18	3975.12	-	53.02	0.00	3922.10
MW - 16	04/03/18	3975.12	-	53.01	0.00	3922.11
MW - 16	04/17/18	3975.12	-	53.04	0.00	3922.08
MW - 16	05/07/18	3975.12	-	52.72	0.00	3922.40
MW - 16	06/26/18	3975.12	-	53.10	0.00	3922.02
MW - 16	08/09/18	3975.12	-	53.14	0.00	3921.98
MW - 16	11/14/18	3975.12	-	53.16	0.00	3921.96
MW - 16	12/18/18	3975.12	-	53.19	0.00	3921.93
MW - 16	02/18/18	3975.12	-	53.22	0.00	3921.90
MW - 16	02/18/19	3975.12	-	53.22	0.00	3921.90
MW - 16	05/14/19	3975.12	-	53.16	0.00	3921.96
MW - 16	08/19/19	3975.12	-	53.37	0.00	3921.75
MW - 16	11/11/19	3975.12	-	53.36	0.00	3921.76
MW - 17	12/23/02	3975.93	-	54.41	0.00	3921.52
MW - 17	01/10/03	3975.93	-	54.35	0.00	3921.58
MW - 17	05/07/03	3975.93	-	54.35	0.00	3921.58
MW - 17	08/18/03	3975.93	-	54.36	0.00	3921.57
MW - 17	12/01/03	3975.93	-	54.47	0.00	3921.46
MW - 17	02/05/04	3975.93	-	54.44	0.00	3921.49
MW - 17	05/05/04	3975.93	-	54.42	0.00	3921.51
MW - 17	09/01/04	3975.93	-	54.50	0.00	3921.43

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 17	12/15/04	3975.93	-	54.44	0.00	3921.49
MW - 17	03/22/05	3975.93	-	54.23	0.00	3921.70
MW - 17	06/22/05	3975.93	-	54.13	0.00	3921.80
MW - 17	09/21/05	3975.93	-	54.56	0.00	3921.37
MW - 17	12/16/05	3975.93	-	54.00	0.00	3921.93
MW - 17	03/20/06	3975.93	-	53.94	0.00	3921.99
MW - 17	08/09/06	PLUGGED & ABANDONED				
MW - 18	05/20/09	-	-	53.72	0.00	-
MW - 18	08/12/09	-	-	53.72	0.00	-
MW - 18	11/25/09	-	-	53.70	0.00	-
MW - 18	01/07/10	-	-	53.70	0.00	-
MW - 18	02/11/10	-	-	53.67	0.00	-
MW - 18	05/17/10	-	-	53.79	0.00	-
MW - 18	08/16/10	-	-	53.79	0.00	-
MW - 18	11/10/10	-	-	53.80	0.00	-
MW - 18	02/28/11	-	-	53.79	0.00	-
MW - 18	05/12/11	-	-	53.65	0.00	-
MW - 18	08/15/11	-	-	53.70	0.00	-
MW - 18	11/22/11	-	-	53.71	0.00	-
MW - 18	02/28/12	-	-	53.69	0.00	-
MW - 18	05/17/12	-	-	53.68	0.00	-
MW - 18	08/01/12	-	-	53.79	0.00	-
MW - 18	10/25/12	-	-	53.84	0.00	-
MW - 18	11/29/12	-	-	53.87	0.00	-
MW - 18	02/11/13	-	-	53.85	0.00	-
MW - 18	04/11/13	-	-	53.95	0.00	-
MW - 18	05/06/13	-	-	53.85	0.00	-
MW - 18	05/29/13	-	-	53.90	0.00	-
MW - 18	06/26/13	-	-	53.94	0.00	-
MW - 18	07/31/13	-	-	53.94	0.00	-
MW - 18	08/06/13	-	-	53.93	0.00	-
MW - 18	09/30/13	-	-	53.99	0.00	-
MW - 18	11/19/13	-	-	54.01	0.00	-
MW - 18	02/04/14	-	-	54.00	0.00	-
MW - 18	04/28/14	-	-	53.99	0.00	-
MW - 18	05/28/14	-	-	54.04	0.00	-
MW - 18	07/30/14	-	-	54.11	0.00	-
MW - 18	08/23/14	-	-	54.12	0.00	-
MW - 18	10/31/14	-	-	54.16	0.00	-
MW - 18	11/18/14	-	-	54.12	0.00	-
MW - 18	01/09/15	-	-	54.07	0.00	-
MW - 18	02/19/15	-	-	54.06	0.00	-

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 18	03/31/15	-	-	54.06	0.00	-
MW - 18	04/09/15	-	-	54.03	0.00	-
MW - 18	05/12/15	-	-	54.02	0.00	-
MW - 18	07/27/15	-	-	54.10	0.00	-
MW - 18	08/18/15	-	-	54.10	0.00	-
MW - 18	10/08/15	-	-	54.15	0.00	-
MW - 18	11/23/15	-	-	54.10	0.00	-
MW - 18	01/12/16	-	-	54.10	0.00	-
MW - 18	02/24/16	-	-	54.11	0.00	-
MW - 18	06/13/16	-	-	54.12	0.00	-
MW - 18	08/02/16	-	-	54.26	0.00	-
MW - 18	11/28/16	-	-	54.16	0.00	-
MW - 18	02/21/17	-	-	54.15	0.00	-
MW - 18	05/24/17	-	-	54.14	0.00	-
MW - 18	07/12/17	-	-	53.21	0.00	-
MW - 18	08/11/17	-	-	54.21	0.00	-
MW - 18	10/18/17	-	-	54.27	0.00	-
MW - 18	11/28/17	-	-	54.23	0.00	-
MW - 18	01/16/18	-	-	54.24	0.00	-
MW - 18	02/26/18	-	-	54.22	0.00	-
MW - 18	04/03/18	-	-	54.21	0.00	-
MW - 18	04/17/18	-	-	54.21	0.00	-
MW - 18	05/07/18	-	-	54.37	0.00	-
MW - 18	06/26/18	-	-	54.18	0.00	-
MW - 18	08/09/18	-	-	54.32	0.00	-
MW - 18	09/11/18	-	-	54.34	0.00	-
MW - 18	11/14/18	-	-	54.39	0.00	-
MW - 18	12/18/18	-	-	54.34	0.00	-
MW - 18	02/18/19	-	-	54.37	0.00	-
MW - 18	05/14/19	-	-	54.34	0.00	-
MW - 18	08/19/19	-	-	54.53	0.00	-
MW - 18	11/11/19	-	-	54.57	0.00	-
RW - 1	11/08/02	3970.79	48.44	51.55	3.11	3921.88
RW - 1	11/21/02	3970.79	49.01	49.04	0.03	3921.78
RW - 1	12/27/02	3970.79	48.48	51.37	2.89	3921.88
RW - 1	01/06/03	3970.79	49.48	51.13	1.65	3921.06
RW - 1	01/08/03	3970.79	48.46	51.20	2.74	3921.92
RW - 1	01/10/03	3970.79	48.95	48.97	0.02	3921.84
RW - 1	01/13/03	3970.79	48.65	50.36	1.71	3921.88
RW - 1	02/05/03	3970.79	48.51	51.32	2.81	3921.86
RW - 1	02/26/03	3970.79	48.41	51.34	2.93	3921.94
RW - 1	03/04/03	3970.79	48.41	51.34	2.93	3921.94

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 1	03/12/03	3970.79	48.44	51.41	2.97	3921.90
RW - 1	03/18/03	3970.79	48.51	51.51	3.00	3921.83
RW - 1	03/25/03	3970.79	48.85	49.04	0.19	3921.91
RW - 1	03/31/03	3970.79	48.92	49.07	0.15	3921.85
RW - 1	04/09/03	3970.79	48.97	49.00	0.03	3921.82
RW - 1	04/14/03	3970.79	sheen	48.99	0.00	3921.80
RW - 1	05/07/03	3970.79	48.39	51.12	2.73	3921.99
RW - 1	05/08/03	3970.79	48.46	51.21	2.75	3921.92
RW - 1	05/13/03	3970.79	48.49	51.32	2.83	3921.88
RW - 1	05/21/03	3970.79	48.57	51.36	2.79	3921.80
RW - 1	05/27/03	3970.79	48.44	51.27	2.83	3921.93
RW - 1	05/28/03	3970.79	48.54	51.45	2.91	3921.81
RW - 1	06/03/03	3970.79	48.52	51.48	2.96	3921.83
RW - 1	06/09/03	3970.79	48.46	51.40	2.94	3921.89
RW - 1	07/01/03	3970.79	48.51	51.40	2.89	3921.85
RW - 1	07/08/03	3970.79	48.53	49.37	0.84	3922.13
RW - 1	07/29/03	3970.79	48.43	51.24	2.81	3921.94
RW - 1	08/04/03	3970.79	48.71	51.60	2.89	3921.65
RW - 1	08/18/03	3970.79	48.69	49.08	0.39	3922.04
RW - 1	08/25/03	3970.79	48.69	51.65	2.96	3921.66
RW - 1	10/01/03	3970.79	48.60	49.12	0.52	3922.11
RW - 1	10/06/03	3970.79	48.97	49.04	0.07	3921.81
RW - 1	10/08/03	3970.79	49.14	50.18	1.04	3921.49
RW - 1	10/15/03	3970.79	49.15	49.75	0.60	3921.55
RW - 1	11/12/03	3970.79	48.12	51.02	2.90	3922.24
RW - 1	11/19/03	3970.79	58.42	51.34	-7.08	3913.43
RW - 1	12/01/03	3970.79	49.21	50.49	1.28	3921.39
RW - 1	12/10/03	3970.79	48.68	50.92	2.24	3921.77
RW - 1	02/05/04	3970.79	49.18	51.71	2.53	3921.23
RW - 1	02/17/04	3970.79	48.71	51.51	2.80	3921.66
RW - 1	02/25/04	3970.79	49.15	51.67	2.52	3921.26
RW - 1	03/09/04	3970.79	48.60	49.32	0.72	3922.08
RW - 1	03/16/04	3970.79	48.62	50.13	1.51	3921.94
RW - 1	03/22/04	3970.79	48.79	51.92	3.13	3921.53
RW - 1	04/07/04	3970.79	48.70	49.22	0.52	3922.01
RW - 1	04/12/04	3970.79	48.68	51.04	2.36	3921.76
RW - 1	04/19/04	3970.79	48.61	49.10	0.49	3922.11
RW - 1	05/05/04	3970.79	48.70	51.51	2.81	3921.67
RW - 1	05/11/04	3970.79	48.83	51.77	2.94	3921.52
RW - 1	06/07/04	3970.79	48.43	51.31	2.88	3921.93
RW - 1	11/26/04	3970.79	48.50	51.30	2.80	3921.87
RW - 1	12/02/04	3970.79	48.53	51.22	2.69	3921.86
RW - 1	12/06/04	3970.79	48.72	51.03	2.31	3921.72

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 1	12/13/04	3970.79	48.96	51.10	2.14	3921.51
RW - 1	12/15/04	3970.79	48.96	51.10	2.14	3921.51
RW - 1	12/27/04	3970.79	48.46	51.20	2.74	3921.92
RW - 1	01/10/05	3970.79	48.40	51.00	2.60	3922.00
RW - 1	01/18/05	3970.79	48.55	51.05	2.50	3921.87
RW - 1	01/18/05	3970.79	48.75	49.35	0.60	3921.95
RW - 1	01/25/05	3970.79	48.44	50.55	2.11	3922.03
RW - 1	01/27/05	3970.79	48.52	51.10	2.58	3921.88
RW - 1	02/01/05	3970.79	48.50	50.25	1.75	3922.03
RW - 1	02/07/05	3970.79	48.45	50.30	1.85	3922.06
RW - 1	02/11/05	3970.79	48.47	50.27	1.80	3922.05
RW - 1	02/15/05	3970.79	48.35	50.34	1.99	3922.14
RW - 1	02/22/05	3970.79	48.30	50.79	2.49	3922.12
RW - 1	02/24/05	3970.79	48.27	50.79	2.52	3922.14
RW - 1	03/03/05	3970.79	48.52	50.85	2.33	3921.92
RW - 1	03/09/05	3970.79	48.55	50.87	2.32	3921.89
RW - 1	03/22/05	3970.79	48.25	50.95	2.70	3922.14
RW - 1	03/24/05	3970.79	48.25	50.95	2.70	3922.14
RW - 1	03/31/05	3970.79	48.28	50.91	2.63	3922.12
RW - 1	06/22/05	3970.79	48.28	50.18	1.90	3922.23
RW - 1	07/21/05	3970.79	48.15	50.82	2.67	3922.24
RW - 1	08/03/05	3970.79	48.13	50.76	2.63	3922.27
RW - 1	08/12/05	3970.79	48.13	50.78	2.65	3922.26
RW - 1	08/15/05	3970.79	48.22	50.24	2.02	3922.27
RW - 1	08/22/05	3970.79	48.13	50.51	2.38	3922.30
RW - 1	08/30/05	3970.79	48.14	50.62	2.48	3922.28
RW - 1	09/07/05	3970.79	48.14	50.55	2.41	3922.29
RW - 1	09/14/05	3970.79	48.20	50.55	2.35	3922.24
RW - 1	09/20/05	3970.79	48.16	50.40	2.24	3922.29
RW - 1	09/21/05	3970.79	48.22	50.56	2.34	3922.22
RW - 1	09/28/05	3970.79	48.12	50.55	2.43	3922.31
RW - 1	10/06/05	3970.79	48.16	50.51	2.35	3922.28
RW - 1	10/13/05	3970.79	48.15	50.49	2.34	3922.29
RW - 1	10/20/05	3970.79	48.19	50.40	2.21	3922.27
RW - 1	10/26/05	3970.79	48.18	50.35	2.17	3922.28
RW - 1	11/03/05	3970.79	48.10	50.50	2.40	3922.33
RW - 1	11/10/05	3970.79	48.11	50.54	2.43	3922.32
RW - 1	11/16/05	3970.79	48.13	50.40	2.27	3922.32
RW - 1	11/23/05	3970.79	48.17	50.37	2.20	3922.29
RW - 1	11/28/05	3970.79	48.08	50.50	2.42	3922.35
RW - 1	12/05/05	3970.79	48.19	50.30	2.11	3922.28
RW - 1	12/12/05	3970.79	48.15	50.33	2.18	3922.31
RW - 1	12/16/05	3970.79	48.84	49.98	1.14	3921.78

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 1	12/19/05	3970.79	48.21	50.35	2.14	3922.26
RW - 1	12/29/05	3970.79	48.12	50.41	2.29	3922.33
RW - 1	01/04/06	3970.79	48.14	50.40	2.26	3922.31
RW - 1	01/10/06	3970.79	48.10	50.53	2.43	3922.33
RW - 1	01/17/06	3970.79	48.10	50.45	2.35	3922.34
RW - 1	01/26/06	3970.79	48.10	50.45	2.35	3922.34
RW - 1	01/31/06	3970.79	48.10	50.42	2.32	3922.34
RW - 1	02/07/06	3970.79	48.11	50.34	2.23	3922.35
RW - 1	02/09/06	3970.79	48.12	50.43	2.31	3922.32
RW - 1	02/13/06	3970.79	48.12	50.45	2.33	3922.32
RW - 1	02/22/06	3970.79	48.13	50.47	2.34	3922.31
RW - 1	02/28/06	3970.79	48.11	50.46	2.35	3922.33
RW - 1	03/07/06	3970.79	48.13	50.39	2.26	3922.32
RW - 1	03/15/06	3970.79	48.09	50.36	2.27	3922.36
RW - 1	03/20/06	3970.79	48.10	50.27	2.17	3922.36
RW - 1	03/22/06	3970.79	48.14	50.43	2.29	3922.31
RW - 1	03/29/06	3970.79	48.09	50.40	2.31	3922.35
RW - 1	04/11/06	3970.79	47.96	50.37	2.41	3922.47
RW - 1	04/18/06	3970.79	48.02	50.31	2.29	3922.43
RW - 1	04/25/06	3970.79	48.05	50.29	2.24	3922.40
RW - 1	05/02/06	3970.79	48.00	50.31	2.31	3922.44
RW - 1	05/09/06	3970.79	48.03	50.21	2.18	3922.43
RW - 1	05/16/06	3970.79	48.05	50.22	2.17	3922.41
RW - 1	05/23/06	3970.79	48.03	50.20	2.17	3922.43
RW - 1	05/31/06	3970.79	48.06	50.18	2.12	3922.41
RW - 1	06/06/06	3970.79	48.10	50.09	1.99	3922.39
RW - 1	06/13/06	3970.79	48.05	50.05	2.00	3922.44
RW - 1	06/20/06	3970.79	48.10	50.10	2.00	3922.39
RW - 1	06/21/06	3970.79	48.26	49.08	0.82	3922.41
RW - 1	07/06/06	3970.79	48.09	50.18	2.09	3922.39
RW - 1	07/12/06	3970.79	48.06	50.17	2.11	3922.41
RW - 1	07/20/06	3970.79	49.89	50.16	0.27	3920.86
RW - 1	07/25/06	3970.79	48.01	50.21	2.20	3922.45
RW - 1	08/01/06	3970.79	48.01	50.23	2.22	3922.45
RW - 1	08/16/06	3970.79	48.01	50.25	2.24	3922.44
RW - 1	08/23/06	3970.79	48.06	50.11	2.05	3922.42
RW - 1	08/28/06	3970.79	48.03	50.03	2.00	3922.46
RW - 1	09/12/06	3970.79	48.09	49.80	1.71	3922.44
RW - 1	09/22/06	3970.79	48.14	49.90	1.76	3922.39
RW - 1	09/27/06	3970.79	48.20	49.60	1.40	3922.38
RW - 1	10/06/06	3970.79	48.04	50.00	1.96	3922.46
RW - 1	10/10/06	3970.79	48.20	49.34	1.14	3922.42
RW - 1	10/16/06	3970.79	48.13	49.52	1.39	3922.45

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 1	10/26/06	3970.79	48.05	49.83	1.78	3922.47
RW - 1	11/03/06	3970.79	48.18	49.70	1.52	3922.38
RW - 1	11/09/06	3970.79	48.10	49.60	1.50	3922.47
RW - 1	11/16/06	3970.79	48.19	49.16	0.97	3922.45
RW - 1	11/22/06	3970.79	48.20	49.56	1.36	3922.39
RW - 1	12/04/06	3970.79	48.10	49.84	1.74	3922.43
RW - 1	12/08/06	3970.79	48.08	49.99	1.91	3922.42
RW - 1	12/15/06	3970.79	48.09	49.53	1.44	3922.48
RW - 1	01/05/07	3970.79	48.05	50.10	2.05	3922.43
RW - 1	01/12/07	3970.79	48.13	49.70	1.57	3922.42
RW - 1	01/18/07	3970.79	48.11	49.51	1.40	3922.47
RW - 1	01/24/07	3970.79	48.18	49.46	1.28	3922.42
RW - 1	01/29/07	3970.79	48.21	49.33	1.12	3922.41
RW - 1	02/09/07	3970.79	48.03	48.05	0.02	3922.76
RW - 1	02/16/07	3970.79	48.10	49.77	1.67	3922.44
RW - 1	03/02/07	3970.79	48.00	49.82	1.82	3922.52
RW - 1	03/14/07	3970.79	48.11	49.20	1.09	3922.52
RW - 1	03/26/07	3970.79	48.09	49.42	1.33	3922.50
RW - 1	04/03/07	3970.79	47.99	49.80	1.81	3922.53
RW - 1	04/09/07	3970.79	48.01	49.60	1.59	3922.54
RW - 1	04/26/07	3970.79	47.96	49.87	1.91	3922.54
RW - 1	04/30/07	3970.79	48.14	49.05	0.91	3922.51
RW - 1	05/11/07	3970.79	48.01	49.65	1.64	3922.53
RW - 1	05/16/07	3970.79	48.14	49.07	0.93	3922.51
RW - 1	05/22/07	3970.79	48.08	49.03	0.95	3922.57
RW - 1	05/29/07	3970.79	48.06	49.29	1.23	3922.55
RW - 1	06/01/07	3970.79	48.00	49.46	1.46	3922.57
RW - 1	06/08/07	3970.79	48.03	49.37	1.34	3922.56
RW - 1	06/11/07	3970.79	48.17	49.00	0.83	3922.50
RW - 1	06/20/07	3970.79	48.00	49.50	1.50	3922.57
RW - 1	07/10/07	3970.79	48.01	49.56	1.55	3922.55
RW - 1	07/20/07	3970.79	47.99	49.60	1.61	3922.56
RW - 1	07/25/07	3970.79	48.04	49.22	1.18	3922.57
RW - 1	08/01/07	3970.79	48.02	49.24	1.22	3922.59
RW - 1	08/10/07	3970.79	48.02	49.37	1.35	3922.57
RW - 1	08/15/07	3970.79	48.03	49.16	1.13	3922.59
RW - 1	08/30/07	3970.79	47.97	49.61	1.64	3922.57
RW - 1	08/31/07	3970.79	47.97	49.61	1.64	3922.57
RW - 1	09/19/07	3970.79	47.92	49.73	1.81	3922.60
RW - 1	09/27/07	3970.79	47.98	49.39	1.41	3922.60
RW - 1	10/01/07	3970.79	48.02	49.06	1.04	3922.61
RW - 1	10/19/07	3970.79	47.92	49.62	1.70	3922.62
RW - 1	10/26/07	3970.79	47.97	49.39	1.42	3922.61

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 1	11/12/07	3970.79	47.93	49.58	1.65	3922.61
RW - 1	11/16/07	3970.79	47.92	49.31	1.39	3922.66
RW - 1	11/29/07	3970.79	47.92	50.01	2.09	3922.56
RW - 1	12/13/07	3970.79	47.90	49.54	1.64	3922.64
RW - 1	01/10/08	3970.79	47.90	49.50	1.60	3922.65
RW - 1	01/17/08	3970.79	47.92	49.37	1.45	3922.65
RW - 1	01/22/08	3970.79	47.90	49.43	1.53	3922.66
RW - 1	02/06/08	3970.79	47.09	49.05	1.96	3923.41
RW - 1	2/12/08 #1	3970.79	48.01	48.91	0.90	3922.65
RW - 1	2/12/08 #2	3970.79	48.19	48.21	0.02	3922.60
RW - 1	2/27/08 #1	3970.79	48.00	48.98	0.98	3922.64
RW - 1	2/27/08 #2	3970.79	48.15	48.21	0.06	3922.63
RW - 1	03/07/08	3970.79	47.92	49.21	1.29	3922.68
RW - 1	3/12/08 #1	3970.79	47.92	49.21	1.29	3922.68
RW - 1	3/12/08 #2	3970.79	48.04	48.31	0.27	3922.71
RW - 1	3/20/2008#1	3970.79	48.23	48.50	0.27	3922.52
RW - 1	3/20/08#2	3970.79	48.10	48.45	0.35	3922.64
RW - 1	3/23/08 #1	3970.79	47.99	48.99	1.00	3922.65
RW - 1	3/23/08 #2	3970.79	48.17	48.21	0.04	3922.61
RW - 1	4/2/08 #1	3970.79	47.98	48.92	0.94	3922.67
RW - 1	4/2/08 #2	3970.79	48.09	48.42	0.33	3922.65
RW - 1	4/9/08 #1	3970.79	47.95	48.98	1.03	3922.69
RW - 1	4/9/08 #2	3970.79	48.12	48.15	0.03	3922.67
RW - 1	04/16/08	3970.79	47.98	48.87	0.89	3922.68
RW - 1	04/23/08	3970.79	47.98	48.91	0.93	3922.67
RW - 1	04/30/08	3970.79	47.92	49.07	1.15	3922.70
RW - 1	05/29/08	3970.79	47.97	48.85	0.88	3922.69
RW - 1	06/02/08	3970.79	47.99	48.70	0.71	3922.69
RW - 1	06/03/08	3970.79	47.99	48.70	0.71	3922.69
RW - 1	06/11/08	3970.79	47.91	48.99	1.08	3922.72
RW - 1	06/18/08	3970.79	47.96	48.84	0.88	3922.70
RW - 1	06/23/08	3970.79	47.99	48.70	0.71	3922.69
RW - 1	07/01/08	3970.79	47.94	49.02	1.08	3922.69
RW - 1	07/09/08	3970.79	47.95	48.91	0.96	3922.70
RW - 1	07/15/08	3970.79	47.98	48.76	0.78	3922.69
RW - 1	07/22/08	3970.79	47.94	49.00	1.06	3922.69
RW - 1	08/02/08	3970.79	47.92	48.96	1.04	3922.71
RW - 1	08/13/08	3970.79	47.90	49.03	1.13	3922.72
RW - 1	09/03/08	3970.79	47.83	49.22	1.39	3922.75
RW - 1	09/11/08	3970.79	47.94	48.86	0.92	3922.71
RW - 1	09/19/08	3970.79	47.91	48.85	0.94	3922.74
RW - 1	09/26/08	3970.79	47.89	49.00	1.11	3922.73
RW - 1	10/10/08	3970.79	47.91	48.84	0.93	3922.74

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 1	10/17/08	3970.79	47.74	47.93	0.19	3923.02
RW - 1	10/21/08	3970.79	47.95	48.52	0.57	3922.75
RW - 1	10/30/08	3970.79	47.89	48.95	1.06	3922.74
RW - 1	11/04/08	3970.79	48.00	48.61	0.61	3922.70
RW - 1	11/18/08	3970.79	47.91	49.03	1.12	3922.71
RW - 1	11/25/08	3970.79	47.90	49.12	1.22	3922.71
RW - 1	11/25/08	3970.79	48.70	48.72	0.02	3922.09
RW - 1	12/10/08	3970.79	47.87	49.05	1.18	3922.74
RW - 1	12/18/08	3970.79	47.84	49.10	1.26	3922.76
RW - 1	01/06/09	3970.79	47.84	49.07	1.23	3922.77
RW - 1	01/14/09	3970.79	47.09	48.75	1.66	3923.45
RW - 1	01/21/09	3970.79	47.91	48.84	0.93	3922.74
RW - 1	01/22/09	3970.79	48.00	48.21	0.21	3922.76
RW - 1	01/30/09	3970.79	47.91	48.74	0.83	3922.76
RW - 1	02/03/09	3970.79	47.99	48.57	0.58	3922.71
RW - 1	02/12/09	3970.79	47.89	48.91	1.02	3922.75
RW - 1	02/19/09	3970.79	47.85	49.00	1.15	3922.77
RW - 1	03/04/09	3970.79	47.92	48.97	1.05	3922.71
RW - 1	03/06/09	3970.79	47.82	49.00	1.18	3922.79
RW - 1	03/11/09	3970.79	47.94	48.60	0.66	3922.75
RW - 1	03/16/09	3970.79	47.95	49.00	1.05	3922.68
RW - 1	03/19/09	3970.79	47.90	48.72	0.82	3922.77
RW - 1	03/24/09	3970.79	47.89	48.49	0.60	3922.81
RW - 1	04/03/09	3970.79	47.85	48.90	1.05	3922.78
RW - 1	04/15/09	3970.79	47.86	48.80	0.94	3922.79
RW - 1	04/17/09	3970.79	47.98	48.25	0.27	3922.77
RW - 1	04/22/09	3970.79	47.83	48.88	1.05	3922.80
RW - 1	04/29/09	3970.79	47.84	48.79	0.95	3922.81
RW - 1	05/20/09	3970.79	47.82	48.88	1.06	3922.81
RW - 1	06/09/09	3970.79	47.82	48.95	1.13	3922.80
RW - 1	06/17/09	3970.79	47.88	48.81	0.93	3922.77
RW - 1	06/23/09	3970.79	47.83	48.87	1.04	3922.80
RW - 1	07/01/09	3970.79	47.82	48.88	1.06	3922.81
RW - 1	07/08/09	3970.79	47.89	48.61	0.72	3922.79
RW - 1	07/15/09	3970.79	47.86	48.64	0.78	3922.81
RW - 1	07/17/09	3970.79	47.91	48.60	0.69	3922.78
RW - 1	07/23/09	3970.79	47.83	48.88	1.05	3922.80
RW - 1	07/24/09	3970.79	47.96	48.17	0.21	3922.80
RW - 1	07/30/09	3970.79	47.91	48.60	0.69	3922.78
RW - 1	08/04/09	3970.79	47.91	48.48	0.57	3922.79
RW - 1	08/12/09	3970.79	47.88	48.73	0.85	3922.78
RW - 1	08/20/09	3970.79	47.92	48.75	0.83	3922.75
RW - 1	08/26/09	3970.79	47.83	48.80	0.97	3922.81

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 1	09/02/09	3970.79	47.87	48.75	0.88	3922.79
RW - 1	09/09/09	3970.79	47.90	48.61	0.71	3922.78
RW - 1	09/14/09	3970.79	47.92	48.45	0.53	3922.79
RW - 1	09/21/09	3970.79	47.86	48.71	0.85	3922.80
RW - 1	10/01/09	3970.79	47.88	48.84	0.96	3922.77
RW - 1	10/08/09	3970.79	47.90	48.76	0.86	3922.76
RW - 1	10/14/09	3970.79	47.87	48.70	0.83	3922.80
RW - 1	10/21/09	3970.79	47.82	48.59	0.77	3922.85
RW - 1	10/28/09	3970.79	47.85	48.69	0.84	3922.81
RW - 1	11/04/09	3970.79	47.90	48.63	0.73	3922.78
RW - 1	11/11/09	3970.79	47.87	48.60	0.73	3922.81
RW - 1	11/18/09	3970.79	47.88	48.61	0.73	3922.80
RW - 1	11/25/09	3970.79	47.90	48.58	0.68	3922.79
RW - 1	12/02/09	3970.79	47.86	48.80	0.94	3922.79
RW - 1	12/10/09	3970.79	47.87	48.61	0.74	3922.81
RW - 1	12/17/09	3970.79	47.94	48.59	0.65	3922.75
RW - 1	12/21/09	3970.79	47.87	48.52	0.65	3922.82
RW - 1	12/30/09	3970.79	48.02	48.49	0.47	3922.70
RW - 1	01/07/10	3970.79	47.95	48.20	0.25	3922.80
RW - 1	01/18/10	3970.79	47.91	48.28	0.37	3922.82
RW - 1	02/02/10	3970.79	47.88	48.55	0.67	3922.81
RW - 1	02/11/10	3970.79	47.84	48.51	0.67	3922.85
RW - 1	02/18/10	3970.79	47.82	48.60	0.78	3922.85
RW - 1	02/25/10	3970.79	47.99	48.34	0.35	3922.75
RW - 1	03/02/10	3970.79	48.05	48.28	0.23	3922.71
RW - 1	03/04/10	3970.79	47.97	48.10	0.13	3922.80
RW - 1	03/10/10	3970.79	47.93	48.26	0.33	3922.81
RW - 1	03/12/10	3970.79	47.98	48.37	0.39	3922.75
RW - 1	03/15/10	3970.79	48.00	48.10	0.10	3922.78
RW - 1	03/18/10	3970.79	47.88	48.42	0.54	3922.83
RW - 1	03/22/10	3970.79	48.00	48.23	0.23	3922.76
RW - 1	05/17/10	3970.79	50.39	50.48	0.09	3920.39
RW - 1	05/20/10	3970.79	50.08	50.39	0.31	3920.66
RW - 1	03/04/11	3970.79	50.30	50.62	0.32	3920.44
RW - 1	05/12/11	3970.79	48.55	49.30	0.75	3922.13
RW - 1	08/02/11	3970.79	51.80	52.10	0.30	3918.95
RW - 1	08/09/11	3970.79	49.80	50.42	0.62	3920.90
RW - 1	08/12/11	3970.79	-	49.20	0.00	3921.59
RW - 1	08/15/11	3970.79	-	49.20	0.00	3921.59
RW - 1	08/23/11	3970.79	51.60	52.30	0.70	3919.09
RW - 1	08/26/11	3970.79	48.11	48.90	0.79	3922.56
RW - 1	11/22/11	3970.79	49.10	50.04	0.94	3921.55
RW - 1	12/02/11	3970.79	47.82	48.80	0.98	3922.82

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 1	12/29/11	3970.79	47.93	48.66	0.73	3922.75
RW - 1	01/26/12	3970.79	48.75	50.46	1.71	3921.78
RW - 1	02/28/12	3970.79	49.24	51.24	2.00	3921.25
RW - 1	05/17/12	3970.79	47.82	49.02	1.20	3922.79
RW - 1	08/01/12	3970.79	47.94	49.13	1.19	3922.67
RW - 1	10/25/12	3970.79	47.96	49.39	1.43	3922.62
RW - 1	11/29/12	3970.79	47.97	49.62	1.65	3922.57
RW - 1	02/11/13	3970.79	47.86	49.79	1.93	3922.64
RW - 1	04/11/13	3970.79	-	48.41	0.00	3922.38
RW - 1	05/06/13	3970.79	47.98	49.25	1.27	3922.62
RW - 1	05/29/13	3970.79	-	48.33	0.00	3922.46
RW - 1	06/26/13	3970.79	-	49.73	0.00	3921.06
RW - 1	07/31/13	3970.79	48.13	49.15	1.02	3922.51
RW - 1	08/06/13	3970.79	48.30	48.37	0.07	3922.48
RW - 1	09/30/13	3970.79	48.21	48.96	0.75	3922.47
RW - 1	11/18/13	3970.79	48.23	48.76	0.53	3922.48
RW - 1	02/04/14	3970.79	48.29	48.54	0.25	3922.46
RW - 1	05/28/14	3970.79	48.18	49.66	1.48	3922.39
RW - 1	07/30/14	3970.79	48.36	48.44	0.08	3922.42
RW - 1	08/23/14	3970.79	-	49.66	0.00	3921.13
RW - 1	09/10/14	3970.79	48.50	48.80	0.30	3922.25
RW - 1	09/23/14	3970.79	48.59	48.79	0.20	3922.17
RW - 1	10/31/14	3970.79	48.32	48.60	0.28	3922.43
RW - 1	11/18/14	3970.79	48.42	48.60	0.18	3922.34
RW - 1	01/05/15	3970.79	52.80	53.17	0.37	3917.93
RW - 1	01/09/15	3970.79	48.29	48.98	0.69	3922.40
RW - 1	01/14/15	3970.79	48.31	49.15	0.84	3922.35
RW - 1	01/21/15	3970.79	52.84	53.18	0.34	3917.90
RW - 1	02/11/15	3970.79	52.83	53.18	0.35	3917.91
RW - 1	02/19/15	3970.79	49.00	50.10	1.10	3921.63
RW - 1	03/09/15	3970.79	52.86	53.20	0.34	3917.88
RW - 1	03/11/15	3970.79	53.13	53.48	0.35	3917.61
RW - 1	03/31/15	3970.79	52.86	53.20	0.34	3917.88
RW - 1	04/09/15	3970.79	48.34	48.40	0.06	3922.44
RW - 1	04/15/15	3970.79	48.31	48.45	0.14	3922.46
RW - 1	04/22/15	3970.79	48.33	48.64	0.31	3922.41
RW - 1	05/12/15	3970.79	48.29	48.87	0.58	3922.41
RW - 1	05/26/15	3970.79	52.81	53.15	0.34	3917.93
RW - 1	06/01/15	3970.79	48.28	48.81	0.53	3922.43
RW - 1	06/04/15	3970.79	48.28	48.66	0.38	3922.45
RW - 1	07/27/15	3970.79	48.45	49.07	0.62	3922.25
RW - 1	08/18/15	3970.79	48.14	49.39	1.25	3922.46
RW - 1	10/08/15	3970.79	48.48	49.13	0.65	3922.21

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 1	10/21/15	3970.79	48.35	48.39	0.04	3922.43
RW - 1	11/23/15	3970.79	48.38	49.57	1.19	3922.23
RW - 1	01/12/16	3970.79	48.46	50.10	1.64	3922.08
RW - 1	02/11/16	3970.79	48.13	50.00	1.87	3922.38
RW - 1	02/24/16	3970.79	48.12	49.96	1.84	3922.39
RW - 1	06/13/16	3970.79	48.90	50.95	2.05	3921.58
RW - 1	08/02/16	3970.79	48.20	50.17	1.97	3922.29
RW - 1	11/28/16	3970.79	48.27	49.78	1.51	3922.29
RW - 1	02/21/17	3970.79	48.19	50.16	1.97	3922.30
RW - 1	05/24/17	3970.79	48.18	50.29	2.11	3922.29
RW - 1	07/12/17	3970.79	48.89	49.91	1.02	3921.75
RW - 1	08/11/17	3970.79	48.83	49.81	0.98	3921.81
RW - 1	10/18/17	3970.79	49.55	52.18	2.63	3920.85
RW - 1	11/28/17	3970.79	48.29	50.28	1.99	3922.20
RW - 1	12/19/17	3970.79	48.30	49.92	1.62	3922.25
RW - 1	01/16/18	3970.79	48.30	50.21	1.91	3922.20
RW - 1	02/26/18	3970.79	48.40	49.40	1.00	3922.24
RW - 1	04/03/18	3970.79	48.42	49.36	0.94	3922.23
RW - 1	04/17/18	3970.79	48.23	50.00	1.77	3922.29
RW - 1	05/07/18	3970.79	48.41	49.56	1.15	3922.21
RW - 1	06/26/18	3970.79	48.31	50.16	1.85	3922.20
RW - 1	07/12/18	3970.79	48.61	50.52	1.91	3921.89
RW - 1	08/01/18	3970.79	48.29	49.89	1.60	3922.26
RW - 1	08/09/18	3970.79	48.34	49.49	1.15	3922.28
RW - 1	08/23/18	3970.79	48.30	50.23	1.93	3922.20
RW - 1	08/30/18	3970.79	48.41	50.04	1.63	3922.14
RW - 1	08/31/18	3970.79	48.54	49.82	1.28	3922.06
RW - 1	09/11/18	3970.79	48.51	49.33	0.82	3922.16
RW - 1	09/13/18	3970.79	48.52	49.51	0.99	3922.12
RW - 1	09/19/18	3970.79	48.54	49.29	0.75	3922.14
RW - 1	09/26/18	3970.79	48.51	49.53	1.02	3922.13
RW - 1	10/04/18	3970.79	48.47	49.50	1.03	3922.17
RW - 1	11/14/18	3970.79	48.44	48.73	0.29	3922.31
RW - 1	12/18/18	3970.79	48.99	50.92	1.93	3921.51
RW - 1	02/18/19	3970.79	48.59	50.57	1.98	3921.90
RW - 1	05/14/19	3970.79	48.27	49.66	1.39	3922.31
RW - 1	08/19/19	3970.79	49.63	50.51	0.88	3921.03
RW - 1	11/11/19	3970.79	49.65	50.54	0.89	3921.01
RW - 2	05/20/10	-	-	54.42	0.00	-
RW - 2	03/04/11	-	sheen	54.05	0.00	-
RW - 2	05/12/11	-	-	52.69	0.00	-
RW - 2	08/02/11	-	sheen	55.00	0.00	-

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 2	08/09/11	-	sheen	55.50	0.00	-
RW - 2	08/12/11	-	sheen	54.07	0.00	-
RW - 2	08/15/11	-	sheen	54.01	0.00	-
RW - 2	08/23/11	-	sheen	53.92	0.00	-
RW - 2	08/26/11	-	sheen	52.75	0.00	-
RW - 2	12/02/11	-	52.60	52.93	0.33	-
RW - 2	12/29/11	-	52.62	52.96	0.34	-
RW - 2	01/26/12	-	52.89	53.13	0.24	-
RW - 2	02/28/12	-	52.55	53.18	0.63	-
RW - 2	05/17/12	-	52.47	53.31	0.84	-
RW - 2	08/01/12	-	52.59	53.42	0.83	-
RW - 2	10/25/12	-	52.65	53.53	0.88	-
RW - 2	11/29/12	-	52.73	53.56	0.83	-
RW - 2	02/11/13	-	52.76	52.86	0.10	-
RW - 2	04/11/13	-	53.05	53.07	0.02	-
RW - 2	05/06/13	-	52.77	52.89	0.12	-
RW - 2	05/29/13	-	53.00	53.09	0.09	-
RW - 2	06/26/13	-	53.04	53.29	0.25	-
RW - 2	07/31/13	-	52.89	53.09	0.20	-
RW - 2	08/06/13	-	52.89	53.03	0.14	-
RW - 2	09/30/13	-	52.95	53.14	0.19	-
RW - 2	11/18/13	-	52.90	53.18	0.28	-
RW - 2	02/04/14	-	52.86	53.19	0.33	-
RW - 2	04/28/14	-	52.83	53.41	0.58	-
RW - 2	05/28/14	-	52.96	53.35	0.39	-
RW - 2	07/30/14	-	53.10	53.28	0.18	-
RW - 2	08/23/14	-	53.35	53.47	0.12	-
RW - 2	09/10/14	-	53.07	53.40	0.33	-
RW - 2	09/23/14	-	53.00	53.30	0.30	-
RW - 2	10/31/14	-	52.99	53.24	0.25	-
RW - 2	11/18/14	-	52.90	53.27	0.37	-
RW - 2	01/05/15	-	52.73	53.48	0.75	-
RW - 2	01/09/15	-	52.98	53.15	0.17	-
RW - 2	01/14/15	-	53.00	53.17	0.17	-
RW - 2	01/21/15	-	52.76	53.47	0.71	-
RW - 2	02/11/15	-	52.74	53.46	0.72	-
RW - 2	02/19/15	-	53.28	53.32	0.04	-
RW - 2	03/09/15	-	52.73	53.46	0.73	-
RW - 2	03/11/15	-	52.96	53.14	0.18	-
RW - 2	03/31/15	-	52.77	53.49	0.72	-
RW - 2	04/09/15	-	52.93	53.12	0.19	-
RW - 2	04/15/15	-	52.93	53.23	0.30	-
RW - 2	04/22/15	-	52.92	53.22	0.30	-

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 2	05/12/15	-	52.98	53.15	0.17	-
RW - 2	05/26/15	-	52.74	53.45	0.71	-
RW - 2	06/01/15	-	52.96	53.08	0.12	-
RW - 2	06/04/15	-	52.96	53.13	0.17	-
RW - 2	07/27/15	-	53.14	53.19	0.05	-
RW - 2	08/18/15	-	52.95	53.11	0.16	-
RW - 2	10/08/15	-	53.17	53.65	0.48	-
RW - 2	10/21/15	-	53.02	53.45	0.43	-
RW - 2	11/23/15	-	52.45	53.60	1.15	-
RW - 2	01/12/16	-	53.09	53.42	0.33	-
RW - 2	02/11/16	-	52.99	53.52	0.53	-
RW - 2	02/24/16	-	51.90	53.58	1.68	-
RW - 2	06/13/16	-	52.99	53.29	0.30	-
RW - 2	08/02/16	-	53.09	53.56	0.47	-
RW - 2	11/28/16	-	53.03	53.38	0.35	-
RW - 2	02/21/17	-	53.01	53.30	0.29	-
RW - 2	05/24/17	-	53.02	53.37	0.35	-
RW - 2	07/12/17	-	53.02	53.37	0.35	-
RW - 2	10/18/17	-	53.14	53.71	0.57	-
RW - 2	11/28/17	-	53.10	53.64	0.54	-
RW - 2	12/19/17	-	53.10	53.65	0.55	-
RW - 2	01/16/18	-	53.12	53.53	0.41	-
RW - 2	02/26/18	-	53.22	53.54	0.32	-
RW - 2	04/03/18	-	53.24	53.57	0.33	-
RW - 2	04/17/18	-	53.08	53.47	0.39	-
RW - 2	05/07/18	-	53.18	53.54	0.36	-
RW - 2	06/26/18	-	53.11	53.53	0.42	-
RW - 2	07/12/18	-	53.16	53.59	0.43	-
RW - 2	08/01/18	-	53.23	53.70	0.47	-
RW - 2	08/09/18	-	52.17	53.64	1.47	-
RW - 2	08/23/18	-	53.18	53.69	0.51	-
RW - 2	08/30/18	-	53.21	53.78	0.57	-
RW - 2	08/31/18	-	53.21	53.67	0.46	-
RW - 2	08/31/18	-	53.61	54.84	1.23	-
RW - 2	09/11/18	-	53.27	53.39	0.12	-
RW - 2	09/13/18	-	53.29	53.35	0.06	-
RW - 2	09/19/18	-	53.27	53.35	0.08	-
RW - 2	09/26/18	-	53.26	53.36	0.10	-
RW - 2	10/04/18	-	53.28	53.33	0.05	-
RW - 2	11/14/18	-	53.29	53.32	0.03	-
RW - 2	12/18/18	-	53.27	53.37	0.10	-
RW - 2	02/18/19	-	53.27	53.38	0.11	-
RW - 2	05/14/19	-	53.25	53.40	0.15	-

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 2	08/19/19	-	53.34	53.43	0.09	-
RW - 2	11/11/19	-	53.34	53.48	0.14	-
RW - 3	05/20/10	-	54.73	58.80	4.07	-
RW - 3	03/04/11	-	54.66	55.70	1.04	-
RW - 3	05/12/11	-	53.84	54.65	0.81	-
RW - 3	08/02/11	-	54.35	55.32	0.97	-
RW - 3	08/09/11	-	54.24	55.50	1.26	-
RW - 3	08/12/11	-	54.26	55.65	1.39	-
RW - 3	08/15/11	-	54.24	55.50	1.26	-
RW - 3	08/23/11	-	53.92	54.85	0.93	-
RW - 3	08/26/11	-	53.07	53.95	0.88	-
RW - 3	12/02/11	-	53.01	53.97	0.96	-
RW - 3	12/29/11	-	53.11	53.84	0.73	-
RW - 3	01/26/12	-	53.55	54.08	0.53	-
RW - 3	02/28/12	-	53.00	54.14	1.14	-
RW - 3	05/17/12	-	53.10	53.62	0.52	-
RW - 3	08/01/12	-	53.22	53.74	0.52	-
RW - 3	10/25/12	-	53.13	54.32	1.19	-
RW - 3	11/29/12	-	53.26	53.87	0.61	-
RW - 3	02/11/13	-	53.16	54.00	0.84	-
RW - 3	04/11/13	-	53.44	54.19	0.75	-
RW - 3	05/06/13	-	53.18	54.10	0.92	-
RW - 3	05/29/13	-	53.35	54.16	0.81	-
RW - 3	06/26/13	-	53.38	54.26	0.88	-
RW - 3	07/31/13	-	53.20	54.55	1.35	-
RW - 3	08/06/13	-	53.19	54.66	1.47	-
RW - 3	09/30/13	-	53.27	54.71	1.44	-
RW - 3	11/18/13	-	52.22	53.72	1.50	-
RW - 3	02/04/14	-	53.24	54.21	0.97	-
RW - 3	04/28/14	-	53.12	55.14	2.02	-
RW - 3	05/28/14	-	53.19	55.55	2.36	-
RW - 3	07/30/14	-	52.58	53.03	0.45	-
RW - 3	08/23/14	-	52.98	53.71	0.73	-
RW - 3	09/10/14	-	53.62	53.78	0.16	-
RW - 3	09/23/14	-	53.58	53.98	0.40	-
RW - 3	10/31/14	-	53.53	53.67	0.14	-
RW - 3	11/18/14	-	53.55	53.73	0.18	-
RW - 3	01/05/15	-	52.77	53.54	0.77	-
RW - 3	01/09/15	-	53.48	53.86	0.38	-
RW - 3	01/14/15	-	53.48	53.86	0.38	-
RW - 3	01/21/15	-	52.78	53.56	0.78	-
RW - 3	02/11/15	-	52.77	53.54	0.77	-

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 3	02/19/15	-	53.47	53.98	0.51	-
RW - 3	03/09/15	-	52.75	53.55	0.80	-
RW - 3	03/11/15	-	53.42	54.14	0.72	-
RW - 3	03/31/15	-	52.78	53.57	0.79	-
RW - 3	04/09/15	-	53.36	54.20	0.84	-
RW - 3	04/15/15	-	53.34	54.30	0.96	-
RW - 3	04/22/15	-	53.33	54.34	1.01	-
RW - 3	05/12/15	-	53.39	54.10	0.71	-
RW - 3	05/26/15	-	52.84	53.52	0.68	-
RW - 3	06/01/15	-	53.42	54.02	0.60	-
RW - 3	06/04/15	-	53.40	54.04	0.64	-
RW - 3	07/27/15	-	53.48	54.45	0.97	-
RW - 3	08/18/15	-	53.09	54.45	1.36	-
RW - 3	10/08/15	-	53.38	54.99	1.61	-
RW - 3	10/21/15	-	53.28	55.05	1.77	-
RW - 3	11/23/15	-	52.55	52.57	0.02	-
RW - 3	01/12/16	-	53.35	55.10	1.75	-
RW - 3	02/11/16	-	53.48	54.18	0.70	-
RW - 3	02/24/16	-	53.48	54.05	0.57	-
RW - 3	06/13/16	-	53.43	54.46	1.03	-
RW - 3	08/02/16	-	53.49	54.46	0.97	-
RW - 3	11/28/16	-	53.44	54.37	0.93	-
RW - 3	02/21/17	-	53.39	54.63	1.24	-
RW - 3	05/24/17	-	53.34	54.88	1.54	-
RW - 3	07/12/17	-	53.37	54.90	1.53	-
RW - 3	08/11/17	-	53.57	54.85	1.28	-
RW - 3	10/18/17	-	53.52	55.25	1.73	-
RW - 3	11/28/17	-	53.43	55.04	1.61	-
RW - 3	12/19/17	-	53.44	55.07	1.63	-
RW - 3	01/16/18	-	53.46	55.02	1.56	-
RW - 3	02/26/18	-	53.52	54.40	0.88	-
RW - 3	04/03/18	-	53.42	55.16	1.74	-
RW - 3	04/17/18	-	53.43	54.97	1.54	-
RW - 3	05/07/18	-	53.52	54.15	0.63	-
RW - 3	06/26/18	-	53.52	54.83	1.31	-
RW - 3	07/12/18	-	53.51	55.10	1.59	-
RW - 3	08/01/18	-	53.51	55.25	1.74	-
RW - 3	08/09/18	-	53.62	54.59	0.97	-
RW - 3	08/23/18	-	53.64	54.74	1.10	-
RW - 3	08/30/18	-	53.62	54.80	1.18	-
RW - 3	09/11/18	-	53.76	54.11	0.35	-
RW - 3	09/13/18	-	53.75	54.09	0.34	-
RW - 3	09/19/18	-	53.78	54.05	0.27	-

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 3	09/26/18	-	53.77	54.10	0.33	-
RW - 3	10/04/18	-	53.76	54.12	0.36	-
RW - 3	11/14/18	-	53.72	53.88	0.16	-
RW - 3	12/18/18	-	53.66	54.65	0.99	-
RW - 3	02/18/19	-	53.49	55.01	1.52	-
RW - 3	05/14/19	-	53.46	55.46	2.00	-
RW - 3	08/19/19	-	53.67	55.63	1.96	-
RW - 3	11/11/19	-	53.72	55.64	1.92	-
RW - 4	05/20/10	-	55.62	59.23	3.61	-
RW - 4	03/04/11	-	53.13	55.08	1.95	-
RW - 4	05/12/11	-	53.58	55.35	1.77	-
RW - 4	08/02/11	-	55.71	58.75	3.04	-
RW - 4	08/09/11	-	55.02	58.91	3.89	-
RW - 4	08/12/11	-	54.40	58.55	4.15	-
RW - 4	08/15/11	-	55.02	58.91	3.89	-
RW - 4	08/23/11	-	54.42	57.62	3.20	-
RW - 4	08/26/11	-	52.93	55.20	2.27	-
RW - 4	12/02/11	-	52.69	55.52	2.83	-
RW - 4	12/29/11	-	52.83	55.21	2.38	-
RW - 4	01/26/12	-	52.99	55.36	2.37	-
RW - 4	02/28/12	-	52.94	55.00	2.06	-
RW - 4	05/17/12	-	52.85	54.81	1.96	-
RW - 4	08/01/12	-	52.97	54.92	1.95	-
RW - 4	10/25/12	-	53.03	54.91	1.88	-
RW - 4	11/29/12	-	53.07	55.00	1.93	-
RW - 4	02/11/13	-	52.99	54.92	1.93	-
RW - 4	04/11/13	-	53.22	55.13	1.91	-
RW - 4	05/06/13	-	53.07	54.76	1.69	-
RW - 4	05/29/13	-	53.19	55.05	1.86	-
RW - 4	06/26/13	-	52.83	56.36	3.53	-
RW - 4	07/31/13	-	52.47	57.93	5.46	-
RW - 4	08/06/13	-	52.40	58.42	6.02	-
RW - 4	09/30/13	-	52.72	57.32	4.60	-
RW - 4	11/18/13	-	53.15	55.15	2.00	-
RW - 4	02/04/14	-	53.14	55.11	1.97	-
RW - 4	04/28/14	-	53.10	55.57	2.47	-
RW - 4	05/28/14	-	53.08	56.15	3.07	-
RW - 4	07/30/14	-	53.66	54.20	0.54	-
RW - 4	08/23/14	-	-	53.94	0.00	-
RW - 4	09/10/14	-	53.54	54.40	0.86	-
RW - 4	09/23/14	-	53.46	54.80	1.34	-
RW - 4	10/31/14	-	53.50	53.85	0.35	-

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 4	11/18/14	-	53.49	54.19	0.70	-
RW - 4	01/05/15	-	52.71	53.74	1.03	-
RW - 4	01/09/15	-	53.42	54.37	0.95	-
RW - 4	01/14/15	-	53.42	54.45	1.03	-
RW - 4	01/21/15	-	-	53.67	0.00	-
RW - 4	02/11/15	-	52.72	53.70	0.98	-
RW - 4	02/19/15	-	53.55	54.10	0.55	-
RW - 4	03/09/15	-	-	53.67	0.00	-
RW - 4	03/11/15	-	53.45	54.14	0.69	-
RW - 4	03/31/15	-	52.69	53.68	0.99	-
RW - 4	04/09/15	-	53.33	54.62	1.29	-
RW - 4	04/15/15	-	53.30	54.69	1.39	-
RW - 4	04/22/15	-	53.30	54.73	1.43	-
RW - 4	05/12/15	-	53.33	54.68	1.35	-
RW - 4	05/26/15	-	52.79	53.64	0.85	-
RW - 4	06/01/15	-	53.35	54.63	1.28	-
RW - 4	06/04/15	-	53.31	54.68	1.37	-
RW - 4	07/27/15	-	53.23	55.83	2.60	-
RW - 4	08/18/15	-	53.01	55.96	2.95	-
RW - 4	10/08/15	-	53.16	55.08	1.92	-
RW - 4	10/21/15	-	53.14	55.85	2.71	-
RW - 4	11/23/15	-	53.37	55.55	2.18	-
RW - 4	01/12/16	-	53.35	55.19	1.84	-
RW - 4	02/11/16	-	53.52	53.90	0.38	-
RW - 4	02/24/16	-	53.43	54.44	1.01	-
RW - 4	06/13/16	-	53.36	55.28	1.92	-
RW - 4	08/02/16	-	53.31	55.70	2.39	-
RW - 4	11/28/16	-	53.29	55.40	2.11	-
RW - 4	02/21/17	-	53.30	55.37	2.07	-
RW - 4	05/24/17	-	53.30	55.23	1.93	-
RW - 4	07/12/17	-	53.35	55.28	1.93	-
RW - 4	08/11/17	-	53.35	55.26	1.91	-
RW - 4	10/18/17	-	53.14	55.31	2.17	-
RW - 4	11/28/17	-	53.51	54.87	1.36	-
RW - 4	12/19/17	-	53.44	55.07	1.63	-
RW - 4	01/16/18	-	53.44	55.32	1.88	-
RW - 4	02/26/18	-	53.56	54.52	0.96	-
RW - 4	04/17/18	-	53.42	55.14	1.72	-
RW - 4	05/07/18	-	53.55	54.97	1.42	-
RW - 4	08/01/18	-	53.56	55.40	1.84	-
RW - 4	08/09/18	-	53.50	55.41	1.91	-
RW - 4	08/23/18	-	53.49	55.56	2.07	-
RW - 4	08/30/18	-	53.63	55.01	1.38	-

TABLE 1**HISTORICAL GROUNDWATER ELEVATION DATA**

**PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294**

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 4	08/31/18	-	53.53	55.42	1.89	-
RW - 4	09/11/18	-	53.64	54.92	1.28	-
RW - 4	09/13/18	-	53.61	54.88	1.27	-
RW - 4	09/19/18	-	53.63	54.91	1.28	-
RW - 4	09/26/18	-	53.61	55.11	1.50	-
RW - 4	10/04/18	-	53.58	55.12	1.54	-
RW - 4	11/14/18	-	53.57	55.01	1.44	-
RW - 4	12/18/18	-	53.57	55.43	1.86	-
RW - 4	02/18/19	-	53.49	55.71	2.22	-
RW - 4	05/14/19	-	53.44	55.84	2.40	-
RW - 4	08/19/19	-	53.54	56.29	2.75	-
RW - 4	11/11/19	-	53.37	56.31	2.94	-

TABLE 2

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p -XYLENES	o -XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 1	03/02/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	04/05/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	09/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	11/28/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	02/21/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	05/31/01	<0.001	<0.001	<0.001	<0.001	
MW - 1	08/23/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	11/21/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	02/13/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	06/12/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	08/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	11/21/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	02/06/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	05/07/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	08/18/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	12/01/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 1	02/05/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 1	12/15/04	<0.001	<0.001	<0.001	<0.001	
MW - 1	03/22/05	Not Sampled on Current Sample Schedule				
MW - 1	06/22/05	Not Sampled on Current Sample Schedule				
MW - 1	09/14/05	Plugged and Abandoned				
MW - 2	03/22/05	Not Sampled Due to PSH in Well				
MW - 2	06/22/05	Not Sampled Due to PSH in Well				
MW - 2	09/21/05	Not Sampled Due to PSH in Well				
MW - 2	12/16/05	Not Sampled Due to PSH in Well				
MW - 2	03/20/06	Not Sampled Due to PSH in Well				
MW - 2	06/21/06	Not Sampled Due to PSH in Well				
MW - 2	09/27/06	Not Sampled Due to PSH in Well				
MW - 2	12/04/06	Not Sampled Due to PSH in Well				
MW - 2	03/14/07	Not Sampled Due to PSH in Well				
MW - 2	05/29/07	Not Sampled Due to PSH in Well				
MW - 2	08/30/07	Not Sampled Due to PSH in Well				
MW - 2	11/12/07	Not Sampled Due to PSH in Well				
MW - 2	03/07/08	Not Sampled Due to PSH in Well				
MW - 2	06/02/08	Not Sampled Due to PSH in Well				
MW - 2	09/03/08	Not Sampled Due to PSH in Well				
MW - 2	12/10/08	13.80	5.200	0.864	2.700	

TABLE 2

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
 TNM 97-04
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 2	02/19/09	Not Sampled Due to PSH in Well				
MW - 2	05/20/09	Not Sampled Due to PSH in Well				
MW - 2	08/12/09	Not Sampled Due to PSH in Well				
MW - 2	11/25/09	12.00	6.380	0.834	2.940	
MW - 2	02/11/10	Not Sampled Due to PSH in Well				
MW - 2	05/17/10	Not Sampled Due to PSH in Well				
MW - 2	08/16/10	Not Sampled Due to PSH in Well				
MW - 2	11/10/10	Not Sampled Due to PSH in Well				
MW - 2	02/28/11	Not Sampled Due to PSH in Well				
MW - 2	05/12/11	Not Sampled Due to PSH in Well				
MW - 2	08/15/11	Not Sampled Due to PSH in Well				
MW - 2	11/22/11	Not Sampled Due to PSH in Well				
MW - 2	02/28/12	Not Sampled Due to PSH in Well				
MW - 2	05/17/12	Not Sampled Due to PSH in Well				
MW - 2	08/01/12	Not Sampled Due to PSH in Well				
MW - 2	11/29/12	Not Sampled Due to PSH in Well				
MW - 2	02/11/13	Not Sampled Due to PSH in Well				
MW - 2	05/06/13	Not Sampled Due to PSH in Well				
MW - 2	08/06/13	Not Sampled Due to PSH in Well				
MW - 2	11/18/13	Not Sampled Due to PSH in Well				
MW - 2	02/04/14	Not Sampled Due to PSH in Well				
MW - 2	05/28/14	Not Sampled Due to PSH in Well				
MW - 2	08/23/14	Not Sampled Due to PSH in Well				
MW - 2	11/18/14	Not Sampled Due to PSH in Well				
MW - 2	02/19/15	Not Sampled Due to PSH in Well				
MW - 2	05/12/15	Not Sampled Due to PSH in Well				
MW - 2	08/18/15	Not Sampled Due to PSH in Well				
MW - 2	11/23/15	Not Sampled Due to PSH in Well				
MW - 2	02/24/16	Not Sampled Due to PSH in Well				
MW - 2	06/13/16	Not Sampled Due to PSH in Well				
MW - 2	08/03/16	Not Sampled Due to PSH in Well				
MW - 2	11/28/16	Not Sampled Due to PSH in Well				
MW - 2	02/21/17	Not Sampled Due to PSH in Well				
MW - 2	05/24/17	Not Sampled Due to PSH in Well				
MW - 2	08/11/17	Not Sampled Due to PSH in Well				
MW - 2	11/28/17	Not Sampled Due to PSH in Well				
MW - 2	02/26/18	Not Sampled Due to PSH in Well				
MW - 2	05/07/18	Not Sampled Due to PSH in Well				

TABLE 2

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCATION		SAMPLE DATE	EPA SW 846-8021B, 5030				
			BENZENE	TOLUENE	ETHYL-BENZENE	m, p -XYLENES	o -XYLENES
NMOCD REGULATORY GUIDELINE			0.01	0.75	0.75	0.62	
MW - 2	08/09/18	Not Sampled Due to PSH in Well					
MW - 2	11/14/18	Not Sampled Due to PSH in Well					
MW - 2	02/18/19	Not Sampled Due to PSH in Well					
MW - 2	05/14/19	Not Sampled Due to PSH in Well					
MW - 2	08/19/19	Not Sampled Due to PSH in Well					
MW - 2	11/11/19	Not Sampled Due to PSH in Well					
MW - 3	03/22/05	Not Sampled Due to PSH in Well					
MW - 3	06/22/05	Not Sampled Due to PSH in Well					
MW - 3	09/21/05	Not Sampled Due to PSH in Well					
MW - 3	12/16/05	Not Sampled Due to PSH in Well					
MW - 3	03/20/06	Not Sampled Due to PSH in Well					
MW - 3	06/21/06	Not Sampled Due to PSH in Well					
MW - 3	09/27/06	Not Sampled Due to PSH in Well					
MW - 3	12/04/06	Not Sampled Due to PSH in Well					
MW - 3	03/14/07	Not Sampled Due to PSH in Well					
MW - 3	05/29/07	Not Sampled Due to PSH in Well					
MW - 3	08/30/07	Not Sampled Due to PSH in Well					
MW - 3	11/12/07	Not Sampled Due to PSH in Well					
MW - 3	03/07/08	Not Sampled Due to PSH in Well					
MW - 3	06/02/08	Not Sampled Due to PSH in Well					
MW - 3	09/03/08	Not Sampled Due to PSH in Well					
MW - 3	12/10/08	10.10	6.40	1.040	2.80		
MW - 3	02/19/09	Not Sampled Due to PSH in Well					
MW - 3	05/20/09	Not Sampled Due to PSH in Well					
MW - 3	08/12/09	Not Sampled Due to PSH in Well					
MW - 3	11/25/09	16.80	17.20	4.690	14.20		
MW - 3	02/11/10	Not Sampled Due to PSH in Well					
MW - 3	05/17/10	Not Sampled Due to PSH in Well					
MW - 3	08/16/10	Not Sampled Due to PSH in Well					
MW - 3	11/10/10	Not Sampled Due to PSH in Well					
MW - 3	02/28/11	Not Sampled Due to PSH in Well					
MW - 3	05/12/11	Not Sampled Due to PSH in Well					
MW - 3	08/15/11	Not Sampled Due to PSH in Well					
MW - 3	11/22/11	Not Sampled Due to PSH in Well					
MW - 3	02/28/12	Not Sampled Due to PSH in Well					
MW - 3	05/17/12	Not Sampled Due to PSH in Well					
MW - 3	08/01/12	Not Sampled Due to PSH in Well					

TABLE 2

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 3	11/29/12	Not Sampled Due to PSH in Well				
MW - 3	02/11/13	Not Sampled Due to PSH in Well				
MW - 3	05/06/13	Not Sampled Due to PSH in Well				
MW - 3	05/06/13	Not Sampled Due to PSH in Well				
MW - 3	11/18/13	Not Sampled Due to PSH in Well				
MW - 3	02/04/14	Not Sampled Due to PSH in Well				
MW - 3	05/28/14	Not Sampled Due to PSH in Well				
MW - 3	08/23/14	Not Sampled Due to PSH in Well				
MW - 3	11/18/14	Not Sampled Due to PSH in Well				
MW - 3	02/19/15	Not Sampled Due to PSH in Well				
MW - 3	05/12/15	Not Sampled Due to PSH in Well				
MW - 3	08/18/15	Not Sampled Due to PSH in Well				
MW - 3	11/23/15	Not Sampled Due to PSH in Well				
MW - 3	02/24/16	Not Sampled Due to PSH in Well				
MW - 3	06/13/16	Not Sampled Due to PSH in Well				
MW - 3	08/03/16	Not Sampled Due to PSH in Well				
MW - 3	11/28/16	Not Sampled Due to PSH in Well				
MW - 3	02/21/17	Not Sampled Due to PSH in Well				
MW - 3	05/24/17	Not Sampled Due to PSH in Well				
MW - 3	08/11/17	Not Sampled Due to PSH in Well				
MW - 3	11/28/17	Not Sampled Due to PSH in Well				
MW - 3	02/26/18	Not Sampled Due to PSH in Well				
MW - 3	05/07/18	Not Sampled Due to PSH in Well				
MW - 3	08/09/18	Not Sampled Due to PSH in Well				
MW - 3	11/14/18	Not Sampled Due to PSH in Well				
MW - 3	02/18/19	Not Sampled Due to PSH in Well				
MW - 3	05/14/19	Not Sampled Due to PSH in Well				
MW - 3	08/19/19	Not Sampled Due to PSH in Well				
MW - 3	11/11/19	Not Sampled Due to PSH in Well				
MW - 4	03/22/05	Not Sampled Due to PSH in Well				
MW - 4	06/22/05	Not Sampled Due to PSH in Well				
MW - 4	09/21/05	Not Sampled Due to PSH in Well				
MW - 4	12/16/05	Not Sampled Due to PSH in Well				
MW - 4	03/20/06	Not Sampled Due to PSH in Well				
MW - 4	06/21/06	Not Sampled Due to PSH in Well				
MW - 4	09/27/06	Not Sampled Due to PSH in Well				
MW - 4	12/04/06	Not Sampled Due to PSH in Well				

TABLE 2

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCATION		SAMPLE DATE	EPA SW 846-8021B, 5030				
			BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE			0.01	0.75	0.75	0.62	
MW - 4	03/14/07	Not Sampled Due to PSH in Well					
MW - 4	05/29/07	Not Sampled Due to PSH in Well					
MW - 4	08/30/07	Not Sampled Due to PSH in Well					
MW - 4	11/12/07	Not Sampled Due to PSH in Well					
MW - 4	03/07/08	Not Sampled Due to PSH in Well					
MW - 4	06/02/08	Not Sampled Due to PSH in Well					
MW - 4	09/03/08	Not Sampled Due to PSH in Well					
MW - 4	12/10/08	1.930	0.996	0.613	1.620		
MW - 4	02/19/09	Not Sampled Due to PSH in Well					
MW - 4	05/20/09	Not Sampled Due to PSH in Well					
MW - 4	08/12/09	Not Sampled Due to PSH in Well					
MW - 4	11/25/09	2.000	1.060	0.618	1.340		
MW - 4	02/11/10	2.150	1.230	0.825	2.150		
MW - 4	05/17/10	0.747	0.125	0.335	0.549		
MW - 4	08/16/10	1.180	0.237	0.445	0.599		
MW - 4	11/10/10	0.583	0.174	0.370	0.762		
MW - 4	02/28/11	1.140	0.343	0.556	0.999		
MW - 4	05/12/11	1.020	0.292	0.517	1.210		
MW - 4	08/15/11	0.838	0.084	0.355	0.387		
MW - 4	11/22/11	0.684	0.061	0.435	1.070		
MW - 4	02/28/12	0.614	0.073	0.366	0.865		
MW - 4	05/17/12	0.901	0.071	0.474	0.929		
MW - 4	08/01/12	0.632	<0.050	0.396	0.776		
MW - 4	11/29/12	0.188	0.0042	0.135	0.308		
MW - 4	02/11/13	0.262	<0.005	0.329	0.790		
MW - 4	05/06/13	0.396	<0.005	0.480	1.55		
MW - 4	08/06/13	0.259	<0.005	0.406	1.05		
MW - 4	11/19/13	<0.00100	<0.00100	<0.00100	<0.00300		
MW - 4	12/08/13	0.0777	<0.0500	<0.0500	<0.150		
MW - 4	02/04/14	0.322	<0.0500	0.294	0.684		
MW - 4	05/28/14	Not Sampled Due to PSH in Well					
MW - 4	08/23/14	Not Sampled Due to PSH in Well					
MW - 4	11/18/14	Not Sampled Due to PSH in Well					
MW - 4	02/19/15	Not Sampled Due to PSH in Well					
MW - 4	05/12/15	Not Sampled Due to PSH in Well					
MW - 4	08/18/15	Not Sampled Due to PSH in Well					
MW - 4	11/23/15	Not Sampled Due to PSH in Well					
MW - 4	02/24/16	Not Sampled Due to PSH in Well					

TABLE 2

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
 TNM 97-04
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 4	06/13/16	Not Sampled Due to PSH in Well				
MW - 4	08/03/16	Not Sampled Due to PSH in Well				
MW - 4	11/28/16	0.122	<0.00200	0.176	0.413	
MW - 4	02/21/17	0.251	<0.100	0.201	0.540	
MW - 4	05/24/17	Not Sampled Due to PSH in Well				
MW - 4	08/11/17	Not Sampled Due to PSH in Well				
MW - 4	11/28/17	Not Sampled Due to PSH in Well				
MW - 4	02/26/18	Not Sampled Due to PSH in Well				
MW - 4	05/07/18	Not Sampled Due to PSH in Well				
MW - 4	08/09/18	Not Sampled Due to PSH in Well				
MW - 4	11/14/18	Not Sampled Due to PSH in Well				
MW - 4	02/18/19	0.0987	0.0218	0.254	0.718	
MW - 4	05/14/19	0.0604	0.0315	0.117	0.348	
MW - 4	08/19/19	0.0436	0.0385	0.141	0.3248	
MW - 4	11/11/19	0.166	0.233	0.327	1.114	
MW - 5	03/22/05	Not Sampled Due to PSH in Well				
MW - 5	06/22/05	Not Sampled Due to PSH in Well				
MW - 5	09/21/05	Not Sampled Due to PSH in Well				
MW - 5	12/16/05	Not Sampled Due to PSH in Well				
MW - 5	03/20/06	Not Sampled Due to PSH in Well				
MW - 5	06/21/06	Not Sampled Due to PSH in Well				
MW - 5	09/27/06	Not Sampled Due to PSH in Well				
MW - 5	12/04/06	Not Sampled Due to PSH in Well				
MW - 5	03/14/07	Not Sampled Due to PSH in Well				
MW - 5	05/29/07	Not Sampled Due to PSH in Well				
MW - 5	08/30/07	Not Sampled Due to PSH in Well				
MW - 5	11/12/07	Not Sampled Due to PSH in Well				
MW - 5	03/07/08	Not Sampled Due to PSH in Well				
MW - 5	06/02/08	Not Sampled Due to PSH in Well				
MW - 5	09/03/08	Not Sampled Due to PSH in Well				
MW - 5	12/10/08	18.90	9.030	1.490	3.520	
MW - 5	02/19/09	Not Sampled Due to PSH in Well				
MW - 5	05/20/09	Not Sampled Due to PSH in Well				
MW - 5	08/12/09	Not Sampled Due to PSH in Well				
MW - 5	11/25/09	15.60	5.700	1.080	2.290	
MW - 5	02/11/10	Not Sampled Due to PSH in Well				
MW - 5	05/17/10	Not Sampled Due to PSH in Well				

TABLE 2

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
 TNM 97-04
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p -XYLENES	o -XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 5	08/16/10	Not Sampled Due to PSH in Well				
MW - 5	11/10/10	Not Sampled Due to PSH in Well				
MW - 5	02/28/11	Not Sampled Due to PSH in Well				
MW - 5	05/12/11	Not Sampled Due to PSH in Well				
MW - 5	08/15/11	Not Sampled Due to PSH in Well				
MW - 5	11/22/11	Not Sampled Due to PSH in Well				
MW - 5	02/28/12	Not Sampled Due to PSH in Well				
MW - 5	05/17/12	Not Sampled Due to PSH in Well				
MW - 5	08/01/12	Not Sampled Due to PSH in Well				
MW - 5	11/29/12	Not Sampled Due to PSH in Well				
MW - 5	02/11/13	Not Sampled Due to PSH in Well				
MW - 5	05/06/13	Not Sampled Due to PSH in Well				
MW - 5	08/06/13	Not Sampled Due to PSH in Well				
MW - 5	11/18/13	Not Sampled Due to PSH in Well				
MW - 5	02/04/14	Not Sampled Due to PSH in Well				
MW - 5	05/28/14	Not Sampled Due to PSH in Well				
MW - 5	08/23/14	Not Sampled Due to PSH in Well				
MW - 5	11/18/14	Not Sampled Due to PSH in Well				
MW - 5	02/19/15	Not Sampled Due to PSH in Well				
MW - 5	05/12/15	Not Sampled Due to PSH in Well				
MW - 5	11/18/14	Not Sampled Due to PSH in Well				
MW - 5	08/18/15	Not Sampled Due to PSH in Well				
MW - 5	11/23/15	Not Sampled Due to PSH in Well				
MW - 5	02/24/16	Not Sampled Due to PSH in Well				
MW - 5	06/13/16	Not Sampled Due to PSH in Well				
MW - 5	08/03/16	Not Sampled Due to PSH in Well				
MW - 5	11/28/16	Not Sampled Due to PSH in Well				
MW - 5	02/21/17	Not Sampled Due to PSH in Well				
MW - 5	05/24/17	Not Sampled Due to PSH in Well				
MW - 5	08/11/17	Not Sampled Due to PSH in Well				
MW - 5	11/28/17	Not Sampled Due to PSH in Well				
MW - 5	02/26/18	Not Sampled Due to PSH in Well				
MW - 5	05/07/18	Not Sampled Due to PSH in Well				
MW - 5	08/09/18	Not Sampled Due to PSH in Well				
MW - 5	11/14/18	Not Sampled Due to PSH in Well				
MW - 5	02/18/19	Not Sampled Due to PSH in Well				
MW - 5	05/14/19	Not Sampled Due to PSH in Well				
MW - 5	08/19/19	Not Sampled Due to PSH in Well				

TABLE 2

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
 TNM 97-04
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 5	11/11/19	Not Sampled Due to PSH in Well				
MW - 6	03/22/05	Not Sampled Due to PSH in Well				
MW - 6	06/22/05	Not Sampled Due to PSH in Well				
MW - 6	09/21/05	Not Sampled Due to PSH in Well				
MW - 6	12/16/05	Not Sampled Due to PSH in Well				
MW - 6	03/20/06	Not Sampled Due to PSH in Well				
MW - 6	06/21/06	Not Sampled Due to PSH in Well				
MW - 6	09/27/06	Not Sampled Due to PSH in Well				
MW - 6	12/04/06	Not Sampled Due to PSH in Well				
MW - 6	03/14/07	Not Sampled Due to PSH in Well				
MW - 6	05/29/07	Not Sampled Due to PSH in Well				
MW - 6	08/30/07	Not Sampled Due to PSH in Well				
MW - 6	11/12/07	Not Sampled Due to PSH in Well				
MW - 6	03/07/08	Not Sampled Due to PSH in Well				
MW - 6	06/02/08	Not Sampled Due to PSH in Well				
MW - 6	09/03/08	Not Sampled Due to PSH in Well				
MW - 6	12/10/08	26.00	3.950	1.230	2.850	
MW - 6	02/19/09	Not Sampled Due to PSH in Well				
MW - 6	05/20/09	Not Sampled Due to PSH in Well				
MW - 6	08/12/09	Not Sampled Due to PSH in Well				
MW - 6	11/25/09	19.80	5.060	1.010	2.330	
MW - 6	02/11/10	Not Sampled Due to PSH in Well				
MW - 6	05/17/10	Not Sampled Due to PSH in Well				
MW - 6	08/16/10	Not Sampled Due to PSH in Well				
MW - 6	11/10/10	4.04	2.830	0.494	1.710	
MW - 6	02/28/11	3.77	2.320	0.330	0.926	
MW - 6	05/12/11	1.37	0.637	0.123	0.503	
MW - 6	08/15/11	2.10	0.945	0.0741	0.612	
MW - 6	11/22/11	3.59	1.460	0.3170	1.100	
MW - 6	02/28/12	4.54	1.560	0.2890	1.200	
MW - 6	05/17/12	Not Sampled Due to PSH in Well				
MW - 6	08/01/12	Not Sampled Due to PSH in Well				
MW - 6	11/29/12	Not Sampled Due to PSH in Well				
MW - 6	02/11/13	Not Sampled Due to PSH in Well				
MW - 6	05/06/13	Not Sampled Due to PSH in Well				
MW - 6	08/06/13	Not Sampled Due to PSH in Well				
MW - 6	11/18/13	Not Sampled Due to PSH in Well				

TABLE 2

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
 TNM 97-04
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 6	02/04/14	Not Sampled Due to PSH in Well				
MW - 6	05/28/14	Not Sampled Due to PSH in Well				
MW - 6	08/23/14	Not Sampled Due to PSH in Well				
MW - 6	11/18/14	Not Sampled Due to PSH in Well				
MW - 6	02/19/15	0.579	<0.0500	0.0912	0.154	
MW - 6	05/12/15	Not Sampled Due to PSH in Well				
MW - 6	08/18/15	0.324	<0.0500	<0.0500	0.158	
MW - 6	11/23/15	0.286	<0.00100	0.0413	0.0857	
MW - 6	02/24/16	0.682	<0.0500	0.161	0.190	
MW - 6	06/13/16	0.254	<0.0500	0.0578	0.103	
MW - 6	08/03/16	0.129	<0.00100	0.0167	0.0288	
MW - 6	11/28/16	0.254	<0.00200	0.0403	0.0661	
MW - 6	02/21/17	0.246	<0.00200	0.0275	0.09560	
MW - 6	05/24/17	Not Sampled Due to PSH in Well				
MW - 6	08/11/17	Not Sampled Due to PSH in Well				
MW - 6	11/28/17	Not Sampled Due to PSH in Well				
MW - 6	02/26/18	Not Sampled Due to PSH in Well				
MW - 6	05/07/18	Not Sampled Due to PSH in Well				
MW - 6	08/09/18	Not Sampled Due to PSH in Well				
MW - 6	11/14/18	Not Sampled Due to PSH in Well				
MW - 6	02/18/19	Not Sampled Due to PSH in Well				
MW - 6	05/14/19	Not Sampled Due to PSH in Well				
MW - 6	08/19/19	Not Sampled Due to PSH in Well				
MW - 6	11/11/19	Not Sampled Due to PSH in Well				
MW - 7	03/02/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	04/25/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	09/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	11/28/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	02/21/01	0.005	<0.001	<0.001	0.013	0.026
MW - 7	05/31/01	0.033	0.015	<0.001	0.100	
MW - 7	08/23/01	0.009	0.002	<0.001	0.029	0.049
MW - 7	11/21/01	0.007	0.002	<0.001	0.022	0.037
MW - 7	02/13/02	0.004	<0.001	<0.001	0.017	0.027
MW - 7	06/12/02	0.002	<0.001	<0.001	0.009	0.001
MW - 7	08/26/02	0.001	<0.001	0.012	0.014	<0.001
MW - 7	11/21/02	<0.001	<0.001	<0.001	0.003	<0.001
MW - 7	02/06/03	<0.001	<0.001	<0.001	<0.001	<0.001

TABLE 2

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 7	05/07/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	08/18/03	<0.001	<0.001	<0.001	0.002	<0.001
MW - 7	12/01/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 7	02/05/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 7	12/15/04	<0.001	<0.001	<0.001	<0.001	
MW - 7	03/22/05	Not Sampled on Current Sample Schedule				
MW - 7	06/22/05	Not Sampled on Current Sample Schedule				
MW - 7	09/21/05	Not Sampled on Current Sample Schedule				
MW - 7	12/16/05	<0.001	<0.001	0.0028	0.0031	
MW - 7	03/20/06	Not Sampled on Current Sample Schedule				
MW - 7	06/21/06	Not Sampled on Current Sample Schedule				
MW - 7	09/27/06	Not Sampled on Current Sample Schedule				
MW - 7	12/04/06	<0.001	<0.001	0.0309	0.0085	
MW - 7	03/14/07	Not Sampled on Current Sample Schedule				
MW - 7	05/29/07	Not Sampled on Current Sample Schedule				
MW - 7	08/30/07	Not Sampled on Current Sample Schedule				
MW - 7	11/12/07	<0.001	<0.001	0.0062	0.0015	
MW - 7	03/07/08	Not Sampled on Current Sample Schedule				
MW - 7	06/02/08	Not Sampled on Current Sample Schedule				
MW - 7	09/03/08	Not Sampled on Current Sample Schedule				
MW - 7	12/08/08	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/19/09	Not Sampled on Current Sample Schedule				
MW - 7	05/20/09	Not Sampled on Current Sample Schedule				
MW - 7	08/12/09	Not Sampled on Current Sample Schedule				
MW - 7	11/25/09	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/11/10	Not Sampled on Current Sample Schedule				
MW - 7	05/17/10	Not Sampled on Current Sample Schedule				
MW - 7	08/16/10	Not Sampled on Current Sample Schedule				
MW - 7	11/10/10	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/28/11	Not Sampled on Current Sample Schedule				
MW - 7	05/12/11	Not Sampled on Current Sample Schedule				
MW - 7	08/15/11	Not Sampled on Current Sample Schedule				
MW - 7	11/22/11	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/28/12	Not Sampled on Current Sample Schedule				
MW - 7	05/17/12	Not Sampled on Current Sample Schedule				
MW - 7	08/01/12	Not Sampled on Current Sample Schedule				
MW - 7	11/29/12	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/11/13	Not Sampled on Current Sample Schedule				

TABLE 2

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p -XYLENES	o -XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 7	05/06/13	Not Sampled on Current Sample Schedule				
MW - 7	08/06/13	Not Sampled on Current Sample Schedule				
MW - 7	11/19/13	0.0729	0.0023	0.0788	0.2020	
MW - 7	12/08/13	<0.00100	<0.00100	<0.00100	<0.00300	
MW - 7	02/04/14	<0.00100	<0.00100	<0.00100	<0.00300	
MW - 7	05/28/14	Not Sampled on Current Sample Schedule				
MW - 7	08/23/14	Not Sampled on Current Sample Schedule				
MW - 7	11/18/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 7	02/19/15	Not Sampled on Current Sample Schedule				
MW - 7	05/12/15	Not Sampled on Current Sample Schedule				
MW - 7	08/18/15	Not Sampled on Current Sample Schedule				
MW - 7	11/23/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 7	02/24/16	Not Sampled on Current Sample Schedule				
MW - 7	06/13/16	Not Sampled on Current Sample Schedule				
MW - 7	08/03/16	Not Sampled on Current Sample Schedule				
MW - 7	11/28/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 7	02/21/17	Not Sampled on Current Sample Schedule				
MW - 7	05/24/17	Not Sampled on Current Sample Schedule				
MW - 7	08/11/17	Not Sampled on Current Sample Schedule				
MW - 7	11/28/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 7	02/26/18	Not Sampled on Current Sample Schedule				
MW - 7	05/07/18	Not Sampled on Current Sample Schedule				
MW - 7	08/09/18	Not Sampled on Current Sample Schedule				
MW - 7	11/14/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 7	02/18/19	Not Sampled on Current Sample Schedule				
MW - 7	05/14/19	Not Sampled on Current Sample Schedule				
MW - 7	08/19/19	Not Sampled on Current Sample Schedule				
MW - 7	11/11/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 8	03/02/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	04/25/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	09/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	11/28/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	02/21/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	05/31/01	<0.001	<0.001	<0.001	<0.001	
MW - 8	08/23/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	11/21/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	02/13/02	<0.001	<0.001	<0.001	<0.001	<0.001

TABLE 2

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCATION		SAMPLE DATE	EPA SW 846-8021B, 5030			
			BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 8	06/12/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	08/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	11/21/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	02/06/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	05/07/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	08/18/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	12/01/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 8	02/05/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 8	12/15/04	<0.001	<0.001	<0.001	<0.001	
MW - 8	03/22/05	Not Sampled on Current Sample Schedule				
MW - 8	06/22/05	Not Sampled on Current Sample Schedule				
MW - 8	09/14/05	Plugged and Abandoned				
MW - 9	03/22/05	Not Sampled Due to PSH in Well				
MW - 9	06/22/05	Not Sampled Due to PSH in Well				
MW - 9	09/21/05	Not Sampled Due to PSH in Well				
MW - 9	12/16/05	Not Sampled Due to PSH in Well				
MW - 9	03/20/06	Not Sampled Due to PSH in Well				
MW - 9	06/21/06	Not Sampled Due to PSH in Well				
MW - 9	09/27/06	Not Sampled Due to PSH in Well				
MW - 9	12/04/06	Not Sampled Due to PSH in Well				
MW - 9	03/14/07	Not Sampled Due to PSH in Well				
MW - 9	05/29/07	Not Sampled Due to PSH in Well				
MW - 9	08/30/07	Not Sampled Due to PSH in Well				
MW - 9	11/12/07	Not Sampled Due to PSH in Well				
MW - 9	03/07/08	Not Sampled Due to PSH in Well				
MW - 9	06/02/08	Not Sampled Due to PSH in Well				
MW - 9	09/03/08	Not Sampled Due to PSH in Well				
MW - 9	12/10/08	2.240	2.850	0.633	1.790	
MW - 9	02/19/09	Not Sampled Due to PSH in Well				
MW - 9	05/20/09	Not Sampled Due to PSH in Well				
MW - 9	08/12/09	Not Sampled Due to PSH in Well				
MW - 9	08/12/09	2.090	2.470	0.503	1.600	
MW - 9	02/11/10	Not Sampled Due to PSH in Well				
MW - 9	05/17/10	Not Sampled Due to PSH in Well				
MW - 9	08/16/10	Not Sampled Due to PSH in Well				
MW - 9	11/10/10	Not Sampled Due to PSH in Well				
MW - 9	02/28/11	Not Sampled Due to PSH in Well				

TABLE 2

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p -XYLENES	o -XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 9	05/12/11	Not Sampled Due to PSH in Well				
MW - 9	08/15/11	Not Sampled Due to PSH in Well				
MW - 9	11/22/11	Not Sampled Due to PSH in Well				
MW - 9	02/28/12	Not Sampled Due to PSH in Well				
MW - 9	05/17/12	Not Sampled Due to PSH in Well				
MW - 9	08/01/12	Not Sampled Due to PSH in Well				
MW - 9	11/29/12	Not Sampled Due to PSH in Well				
MW - 9	02/11/13	Not Sampled Due to PSH in Well				
MW - 9	05/06/13	Not Sampled Due to PSH in Well				
MW - 9	08/06/13	Not Sampled Due to PSH in Well				
MW - 9	11/18/13	Not Sampled Due to PSH in Well				
MW - 9	02/04/14	Not Sampled Due to PSH in Well				
MW - 9	05/28/14	Not Sampled Due to PSH in Well				
MW - 9	08/23/14	Not Sampled Due to PSH in Well				
MW - 9	11/18/14	Not Sampled Due to PSH in Well				
MW - 9	02/19/15	Not Sampled Due to PSH in Well				
MW - 9	05/12/15	Not Sampled Due to PSH in Well				
MW - 9	08/18/15	Not Sampled Due to PSH in Well				
MW - 9	11/23/15	Not Sampled Due to PSH in Well				
MW - 9	02/24/16	Not Sampled Due to PSH in Well				
MW - 9	06/13/16	Not Sampled Due to PSH in Well				
MW - 9	08/03/16	Not Sampled Due to PSH in Well				
MW - 9	11/28/16	Not Sampled Due to PSH in Well				
MW - 9	02/21/17	Not Sampled Due to PSH in Well				
MW - 9	05/24/17	Not Sampled Due to PSH in Well				
MW - 9	08/11/17	Not Sampled Due to PSH in Well				
MW - 9	11/28/17	Not Sampled Due to PSH in Well				
MW - 9	02/26/18	Not Sampled Due to PSH in Well				
MW - 9	05/07/18	Not Sampled Due to PSH in Well				
MW - 9	08/09/18	Not Sampled Due to PSH in Well				
MW - 9	11/14/18	Not Sampled Due to PSH in Well				
MW - 9	02/18/19	0.00893	0.0254	0.0608	0.1877	
MW - 9	05/14/19	0.0239	0.0786	0.119	0.350	
MW - 9	08/19/19	0.00796	0.0224	0.0565	0.221	
MW - 9	11/11/19	0.0141	0.202	0.274	1.003	
MW - 10	03/02/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 10	04/25/00	<0.001	<0.001	<0.001	<0.001	<0.001

TABLE 2

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
 TNM 97-04
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCATION		SAMPLE DATE	EPA SW 846-8021B, 5030			
			BENZENE	TOLUENE	ETHYL-BENZENE	m, p -XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 10	09/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 10	11/28/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 10	02/21/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 10	05/31/01	<0.001	<0.001	<0.001	<0.001	
MW - 10	08/23/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 10	11/21/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 10	02/13/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 10	06/12/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 10	08/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 10	11/21/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 10	02/06/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 10	05/07/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 10	08/18/03	0.005	0.002	<0.001	0.001	<0.001
MW - 10	12/01/03	0.002	0.001	<0.001	<0.002	<0.001
MW - 10	02/05/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 10	12/15/04	<0.001	<0.001	<0.001	<0.001	
MW - 10	03/22/05	Not Sampled on Current Sample Schedule				
MW - 10	06/22/05	Not Sampled on Current Sample Schedule				
MW - 10	09/21/05	Not Sampled on Current Sample Schedule				
MW - 10	12/16/05	<0.001	<0.001	<0.001	<0.001	
MW - 10	03/20/06	Not Sampled on Current Sample Schedule				
MW - 10	06/21/06	Not Sampled on Current Sample Schedule				
MW - 10	09/27/06	Not Sampled on Current Sample Schedule				
MW - 10	12/04/06	<0.001	<0.001	<0.001	<0.001	
MW - 10	03/14/07	Not Sampled on Current Sample Schedule				
MW - 10	05/29/07	Not Sampled on Current Sample Schedule				
MW - 10	08/30/07	Not Sampled on Current Sample Schedule				
MW - 10	11/12/07	<0.001	<0.001	<0.001	<0.001	
MW - 10	03/07/08	Not Sampled on Current Sample Schedule				
MW - 10	06/02/08	Not Sampled on Current Sample Schedule				
MW - 10	09/03/08	Not Sampled on Current Sample Schedule				
MW - 10	12/08/08	<0.001	<0.001	<0.001	<0.001	
MW - 10	02/19/09	Not Sampled on Current Sample Schedule				
MW - 10	05/20/09	Not Sampled on Current Sample Schedule				
MW - 10	08/12/09	Not Sampled on Current Sample Schedule				
MW - 10	11/25/09	<0.001	<0.001	<0.001	<0.001	
MW - 10	02/11/10	Not Sampled on Current Sample Schedule				
MW - 10	05/17/10	Not Sampled on Current Sample Schedule				

TABLE 2

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 10	08/16/10	Not Sampled on Current Sample Schedule				
MW - 10	11/10/10	<0.001	<0.001	<0.001	<0.001	
MW - 10	02/28/11	Not Sampled on Current Sample Schedule				
MW - 10	05/12/11	Not Sampled on Current Sample Schedule				
MW - 10	08/15/11	Not Sampled on Current Sample Schedule				
MW - 10	11/22/11	<0.001	<0.001	<0.001	<0.001	
MW - 10	02/28/12	Not Sampled on Current Sample Schedule				
MW - 10	05/17/12	Not Sampled on Current Sample Schedule				
MW - 10	08/01/12	Not Sampled on Current Sample Schedule				
MW - 10	11/29/12	<0.001	<0.001	<0.001	<0.001	
MW - 10	02/11/13	Not Sampled on Current Sample Schedule				
MW - 10	05/06/13	Not Sampled on Current Sample Schedule				
MW - 10	08/06/13	Not Sampled on Current Sample Schedule				
MW - 10	11/18/13	<0.001	<0.001	<0.001	<0.001	
MW - 10	02/04/14	Not Sampled on Current Sample Schedule				
MW - 10	05/28/14	Not Sampled on Current Sample Schedule				
MW - 10	08/23/14	Not Sampled on Current Sample Schedule				
MW - 10	11/18/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 10	02/19/15	Not Sampled on Current Sample Schedule				
MW - 10	05/12/15	Not Sampled on Current Sample Schedule				
MW - 10	08/18/15	Not Sampled on Current Sample Schedule				
MW - 10	11/23/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 10	02/24/16	Not Sampled on Current Sample Schedule				
MW - 10	06/13/16	Not Sampled on Current Sample Schedule				
MW - 10	08/03/16	Not Sampled on Current Sample Schedule				
MW - 10	11/28/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 10	02/21/17	Not Sampled on Current Sample Schedule				
MW - 10	05/24/17	Not Sampled on Current Sample Schedule				
MW - 10	08/11/17	Not Sampled on Current Sample Schedule				
MW - 10	11/28/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 10	02/26/18	Not Sampled on Current Sample Schedule				
MW - 10	05/07/18	Not Sampled on Current Sample Schedule				
MW - 10	08/09/18	Not Sampled on Current Sample Schedule				
MW - 10	11/14/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 10	02/18/19	Not Sampled on Current Sample Schedule				
MW - 10	05/14/19	Not Sampled on Current Sample Schedule				
MW - 10	08/19/19	Not Sampled on Current Sample Schedule				
MW - 10	11/11/19	<0.00100	<0.00100	<0.00100	<0.00200	

TABLE 2

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
 TNM 97-04
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 11	03/02/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 11	04/25/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 11	09/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 11	11/28/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 11	02/21/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 11	05/31/01	0.015	<0.001	<0.001	<0.001	
MW - 11	08/23/01	0.005	<0.001	<0.001	<0.001	<0.001
MW - 11	11/21/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 11	02/13/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 11	06/12/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 11	08/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 11	11/21/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 11	02/06/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 11	05/07/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 11	08/18/03	0.006	<0.001	<0.001	0.006	<0.001
MW - 11	12/01/03	0.039	<0.001	0.002	0.004	<0.001
MW - 11	02/05/04	<0.001	<0.001	<0.001	0.017	<0.001
MW - 11	05/05/04	<0.001	<0.001	<0.001	0.005	<0.001
MW - 11	09/01/04	<0.001	<0.001	<0.001	0.006	<0.001
MW - 11	12/15/04	<0.001	<0.001	<0.001	0.002	
MW - 11	03/22/05	<0.001	<0.001	<0.001	<0.001	
MW - 11	06/22/05	<0.001	<0.001	<0.001	<0.001	
MW - 11	09/21/05	<0.001	<0.001	<0.001	<0.001	
MW - 11	12/16/05	<0.001	<0.001	<0.001	<0.001	
MW - 11	03/20/06	<0.001	<0.001	<0.001	<0.001	
MW - 11	06/21/06	<0.001	<0.001	<0.001	<0.001	
MW - 11	09/27/06	Not Sampled on Current Sample Schedule				
MW - 11	12/04/06	<0.001	<0.001	<0.001	<0.001	
MW - 11	03/14/07	Not Sampled on Current Sample Schedule				
MW - 11	05/29/07	Not Sampled on Current Sample Schedule				
MW - 11	08/30/07	Not Sampled on Current Sample Schedule				
MW - 11	11/12/07	<0.001	<0.001	<0.001	<0.001	
MW - 11	03/07/08	Not Sampled on Current Sample Schedule				
MW - 11	06/02/08	Not Sampled on Current Sample Schedule				
MW - 11	09/03/08	Not Sampled on Current Sample Schedule				
MW - 11	12/08/08	<0.001	<0.001	<0.001	<0.001	
MW - 11	02/19/09	Not Sampled on Current Sample Schedule				

TABLE 2

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCATION		SAMPLE DATE	EPA SW 846-8021B, 5030				
			BENZENE	TOLUENE	ETHYL-BENZENE	m, p -XYLENES	o -XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62		
MW - 11	05/20/09	Not Sampled on Current Sample Schedule					
MW - 11	08/12/09	Not Sampled on Current Sample Schedule					
MW - 11	11/25/09	<0.001	<0.001	<0.001	<0.001		
MW - 11	02/11/10	Not Sampled on Current Sample Schedule					
MW - 11	05/17/10	Not Sampled on Current Sample Schedule					
MW - 11	08/16/10	Not Sampled on Current Sample Schedule					
MW - 11	11/10/10	<0.001	<0.001	<0.001	<0.001		
MW - 11	02/28/11	Not Sampled on Current Sample Schedule					
MW - 11	05/12/11	Not Sampled on Current Sample Schedule					
MW - 11	08/15/11	Not Sampled on Current Sample Schedule					
MW - 11	11/22/11	<0.001	<0.001	<0.001	<0.001		
MW - 11	02/28/12	Not Sampled on Current Sample Schedule					
MW - 11	05/17/12	Not Sampled on Current Sample Schedule					
MW - 11	08/01/12	Not Sampled on Current Sample Schedule					
MW - 11	11/29/12	<0.001	<0.001	<0.001	<0.001		
MW - 11	02/11/13	Not Sampled on Current Sample Schedule					
MW - 11	05/06/13	Not Sampled on Current Sample Schedule					
MW - 11	08/06/13	Not Sampled on Current Sample Schedule					
MW - 11	11/18/13	0.0023	<0.001	<0.001	<0.00300		
MW - 11	02/04/14	Not Sampled on Current Sample Schedule					
MW - 11	05/28/14	Not Sampled on Current Sample Schedule					
MW - 11	08/23/14	Not Sampled on Current Sample Schedule					
MW - 11	11/18/14	<0.00100	<0.00100	<0.00100	<0.00100		
MW - 11	02/19/15	Not Sampled on Current Sample Schedule					
MW - 11	05/12/15	Not Sampled on Current Sample Schedule					
MW - 11	08/18/15	Not Sampled on Current Sample Schedule					
MW - 11	11/23/15	<0.00100	<0.00100	<0.00100	<0.00100		
MW - 11	02/24/16	Not Sampled on Current Sample Schedule					
MW - 11	06/13/16	Not Sampled on Current Sample Schedule					
MW - 11	08/03/16	Not Sampled on Current Sample Schedule					
MW - 11	11/28/16	<0.00200	<0.00200	<0.00200	<0.00200		
MW - 11	02/21/17	Not Sampled on Current Sample Schedule					
MW - 11	05/24/17	Not Sampled on Current Sample Schedule					
MW - 11	08/11/17	Not Sampled on Current Sample Schedule					
MW - 11	11/28/17	<0.00200	<0.00200	<0.00200	<0.00400		
MW - 11	02/26/18	Not Sampled on Current Sample Schedule					
MW - 11	05/07/18	Not Sampled on Current Sample Schedule					
MW - 11	08/09/18	Not Sampled on Current Sample Schedule					

TABLE 2

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 11	11/14/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 11	02/18/19	Not Sampled on Current Sample Schedule				
MW - 11	05/14/19	Not Sampled on Current Sample Schedule				
MW - 11	08/19/19	Not Sampled on Current Sample Schedule				
MW - 11	11/11/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 12	03/02/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 12	04/25/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 12	09/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 12	11/28/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 12	02/21/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 12	05/31/01	<0.001	<0.001	<0.001	<0.001	
MW - 12	08/23/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 12	11/21/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 12	02/13/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 12	06/12/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 12	08/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 12	11/21/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 12	02/06/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 12	05/07/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 12	08/18/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 12	12/01/03	0.002	0.001	<0.001	<0.002	<0.001
MW - 12	02/05/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 12	12/15/04	<0.001	<0.001	<0.001	<0.001	
MW - 12	03/22/05	Not Sampled on Current Sample Schedule				
MW - 12	06/22/05	Not Sampled on Current Sample Schedule				
MW - 12	09/21/05	Not Sampled on Current Sample Schedule				
MW - 12	12/16/05	<0.001	<0.001	<0.001	<0.001	
MW - 12	03/20/06	Not Sampled on Current Sample Schedule				
MW - 12	06/21/06	Not Sampled on Current Sample Schedule				
MW - 12	09/27/06	Not Sampled on Current Sample Schedule				
MW - 12	12/04/06	<0.001	<0.001	<0.001	<0.001	
MW - 12	03/14/07	Not Sampled on Current Sample Schedule				
MW - 12	05/29/07	Not Sampled on Current Sample Schedule				
MW - 12	08/30/07	Not Sampled on Current Sample Schedule				
MW - 12	11/12/07	<0.001	<0.001	<0.001	<0.001	
MW - 12	03/07/08	Not Sampled on Current Sample Schedule				
MW - 12	06/02/08	Not Sampled on Current Sample Schedule				

TABLE 2

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCATION		SAMPLE DATE	EPA SW 846-8021B, 5030				
			BENZENE	TOLUENE	ETHYL-BENZENE	m, p -XYLENES	o -XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62		
MW - 12	09/04/08	Not Sampled on Current Sample Schedule					
MW - 12	12/08/08	<0.001	<0.001	<0.001	0.007		
MW - 12	02/19/09	<0.001	<0.001	<0.001	<0.001		
MW - 12	05/20/09	Not Sampled on Current Sample Schedule					
MW - 12	08/12/09	Not Sampled on Current Sample Schedule					
MW - 12	11/25/09	<0.001	<0.001	<0.001	<0.001		
MW - 12	02/11/10	Not Sampled on Current Sample Schedule					
MW - 12	05/17/10	Not Sampled on Current Sample Schedule					
MW - 12	08/16/10	Not Sampled on Current Sample Schedule					
MW - 12	11/10/10	<0.001	<0.001	<0.001	<0.001		
MW - 12	02/28/11	Not Sampled on Current Sample Schedule					
MW - 12	05/12/11	Not Sampled on Current Sample Schedule					
MW - 12	08/15/11	Not Sampled on Current Sample Schedule					
MW - 12	11/22/11	<0.001	<0.001	<0.001	<0.001		
MW - 12	02/28/12	Not Sampled on Current Sample Schedule					
MW - 12	05/17/12	Not Sampled on Current Sample Schedule					
MW - 12	08/01/12	Not Sampled on Current Sample Schedule					
MW - 12	11/29/12	<0.001	<0.001	<0.001	<0.001		
MW - 12	02/11/13	Not Sampled on Current Sample Schedule					
MW - 12	05/06/13	Not Sampled on Current Sample Schedule					
MW - 12	08/06/13	Not Sampled on Current Sample Schedule					
MW - 12	11/18/13	0.386	<0.001	0.0412	0.0058		
MW - 12	12/08/13	<0.00100	<0.001	<0.00100	<0.00300		
MW - 12	02/04/14	Not Sampled on Current Sample Schedule					
MW - 12	05/28/14	Not Sampled on Current Sample Schedule					
MW - 12	08/23/14	Not Sampled on Current Sample Schedule					
MW - 12	11/18/14	<0.00100	<0.00100	<0.00100	<0.00100		
MW - 12	02/19/15	Not Sampled on Current Sample Schedule					
MW - 12	05/12/15	Not Sampled on Current Sample Schedule					
MW - 12	08/18/15	Not Sampled on Current Sample Schedule					
MW - 12	11/23/15	<0.00100	<0.00100	<0.00100	<0.00100		
MW - 12	02/24/16	Not Sampled on Current Sample Schedule					
MW - 12	06/13/16	Not Sampled on Current Sample Schedule					
MW - 12	08/03/16	Not Sampled on Current Sample Schedule					
MW - 12	11/28/16	<0.00200	<0.00200	<0.00200	<0.00200		
MW - 12	02/21/17	Not Sampled on Current Sample Schedule					
MW - 12	05/24/17	Not Sampled on Current Sample Schedule					
MW - 12	08/11/17	Not Sampled on Current Sample Schedule					

TABLE 2

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
 TNM 97-04
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 12	11/28/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 12	02/26/18	Not Sampled on Current Sample Schedule				
MW - 12	05/07/18	Not Sampled on Current Sample Schedule				
MW - 12	08/09/18	Not Sampled on Current Sample Schedule				
MW - 12	11/14/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 12	02/18/19	Not Sampled on Current Sample Schedule				
MW - 12	05/14/19	Not Sampled on Current Sample Schedule				
MW - 12	08/19/19	Not Sampled on Current Sample Schedule				
MW - 12	11/11/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 13	03/02/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 13	04/25/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 13	09/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 13	11/28/00	0.004	<0.001	<0.001	<0.001	<0.001
MW - 13	02/21/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 13	05/31/01	<0.001	<0.001	<0.001	<0.001	
MW - 13	08/23/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 13	11/21/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 13	02/13/02	0.007	<0.001	<0.001	<0.001	<0.001
MW - 13	06/12/02	0.115	<0.001	<0.001	0.013	<0.001
MW - 13	08/26/02	0.046	<0.001	<0.001	0.024	<0.001
MW - 13	11/21/02	0.010	<0.001	<0.001	0.045	<0.001
MW - 13	02/06/03	<0.001	<0.001	<0.001	0.028	<0.001
MW - 13	05/07/03	0.003	<0.001	<0.001	0.019	<0.001
MW - 13	08/18/03	0.002	<0.001	<0.001	0.035	<0.001
MW - 13	12/01/03	<0.001	<0.001	<0.001	0.018	<0.001
MW - 13	02/05/04	0.002	<0.001	0.001	0.053	<0.001
MW - 13	05/05/04	<0.001	<0.001	0.001	0.002	<0.001
MW - 13	09/01/04	<0.001	<0.001	0.002	0.016	<0.001
MW - 13	12/15/04	<0.001	<0.001	<0.001	0.002	
MW - 13	03/22/05	<0.001	<0.001	<0.001	<0.001	
MW - 13	06/22/05	<0.001	<0.001	<0.001	0.005	
MW - 13	09/21/05	<0.001	<0.001	<0.001	0.003	
MW - 13	12/16/05	<0.001	<0.001	<0.001	0.0074	
MW - 13	03/20/06	0.001	<0.001	0.001	0.0106	
MW - 13	06/21/06	0.008	<0.001	0.003	0.0064	
MW - 13	09/27/06	0.103	<0.001	0.011	0.0115	
MW - 13	12/04/06	0.293	<0.001	0.011	0.0094	

TABLE 2

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
 TNM 97-04
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCATION		SAMPLE DATE	EPA SW 846-8021B, 5030			
			BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 13	03/14/07	0.530	<0.005	0.029	0.0161	
MW - 13	05/29/07	0.496	<0.005	<0.005	<0.005	
MW - 13	08/30/07	0.609	<0.005	0.0201	<0.005	
MW - 13	11/12/07	0.350	<0.005	<0.005	<0.005	
MW - 13	03/07/08	0.0279	<0.005	<0.005	<0.005	
MW - 13	06/02/08	0.662	<0.001	0.0173	<0.010	
MW - 13	09/03/08	0.974	<0.005	0.0143	0.0206	
MW - 13	12/08/08	1.200	<0.005	<0.005	<0.005	
MW - 13	02/19/09	0.548	<0.005	<0.005	0.0151	
MW - 13	05/20/09	0.667	<0.005	0.072	0.1920	
MW - 13	08/12/09	1.470	<0.005	0.047	0.1630	
MW - 13	11/25/09	1.420	<0.005	<0.005	<0.005	
MW - 13	02/11/10	1.920	<0.005	<0.005	<0.005	
MW - 13	05/17/10	0.666	<0.005	<0.005	<0.005	
MW - 13	08/16/10	1.810	<0.0200	0.0367	<0.0200	
MW - 13	11/10/10	2.040	<0.0200	<0.0200	<0.0200	
MW - 13	02/28/11	2.160	<0.005	0.0426	<0.005	
MW - 13	05/12/11	3.130	<0.0200	0.2550	<0.0200	
MW - 13	08/15/11	0.738	<0.0200	<0.0200	<0.0200	
MW - 13	11/22/11	0.810	<0.0200	0.0714	<0.0200	
MW - 13	02/28/12	0.347	0.140	0.1750	0.4490	
MW - 13	05/17/12	0.0059	<0.001	<0.001	<0.001	
MW - 13	08/01/12	<0.001	<0.001	<0.001	<0.001	
MW - 13	11/29/12	<0.001	<0.001	<0.001	<0.001	
MW - 13	02/11/13	<0.001	<0.001	<0.001	<0.001	
MW - 13	05/06/13	<0.001	<0.001	<0.001	<0.001	
MW - 13	08/06/13	<0.001	<0.001	<0.001	<0.001	
MW - 13	11/19/13	<0.001	<0.001	<0.001	<0.001	
MW - 13	02/04/14	<0.00100	<0.00100	<0.00100	<0.00300	
MW - 13	05/28/14	<0.00100	<0.00100	<0.00100	<0.00300	
MW - 13	08/23/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 13	11/18/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 13	02/19/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 13	05/12/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 13	08/18/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 13	11/23/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 13	02/24/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 13	06/13/16	<0.00100	<0.00100	<0.00100	<0.00100	

TABLE 2

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
 TNM 97-04
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCATION		SAMPLE DATE	EPA SW 846-8021B, 5030			
			BENZENE	TOLUENE	ETHYL-BENZENE	m, p -XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 13	08/03/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 13	11/28/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 13	02/21/17	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 13	05/24/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 13	08/11/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 13	11/28/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 13	02/26/18	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 13	05/07/18	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 13	08/09/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 13	11/14/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 13	02/18/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 13	05/14/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 13	08/19/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 13	11/11/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 14	03/02/00	0.141	0.032	0.056	0.038	0.008
MW - 14	04/25/00	0.368	0.045	0.106	0.061	0.017
MW - 14	09/06/00	0.609	0.015	0.124	0.024	0.020
MW - 14	11/28/00	0.691	0.022	0.107	0.038	0.034
MW - 14	02/21/01	0.921	0.061	0.194	0.114	0.088
MW - 14	05/31/01	1.030	0.223	0.172	0.339	
MW - 14	08/23/01	1.780	0.865	0.315	0.491	0.235
MW - 14	11/21/01	0.623	0.301	0.131	0.162	0.068
MW - 14	02/13/02	0.572	0.414	0.142	0.213	0.093
MW - 14	06/12/02	0.718	0.470	0.144	0.187	0.087
MW - 14	08/26/02	0.606	0.355	0.147	0.188	0.089
MW - 14	11/21/02	0.850	0.666	0.178	0.350	0.175
MW - 14	02/06/03	1.100	0.651	0.256	0.450	0.243
MW - 14	05/07/03	1.880	1.180	0.463	0.839	0.470
MW - 14	08/18/03	0.833	0.242	0.235	0.366	0.213
MW - 14	12/01/03	0.791	0.319	0.211	0.397	0.191
MW - 14	02/05/04	0.763	0.819	0.226	0.492	0.218
MW - 14	05/05/04	0.811	0.234	0.233	0.580	0.275
MW - 14	12/15/04	0.071	0.019	0.021	0.078	
MW - 14	03/22/05	0.274	0.017	0.049	0.313	
MW - 14	06/22/05	0.543	0.283	0.379	1.130	
MW - 14	09/21/05	0.413	0.159	0.318	0.996	
MW - 14	12/16/05	0.361	0.279	0.291	0.956	

TABLE 2

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
 TNM 97-04
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCATION		SAMPLE DATE	EPA SW 846-8021B, 5030			
			BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES
NMOCD REGULATORY GUIDELINE			0.01	0.75	0.75	0.62
MW - 14	03/20/06		0.405	0.300	0.321	1.040
MW - 14	06/21/06		0.414	0.352	0.322	1.060
MW - 14	09/27/06		0.063	0.096	0.075	0.222
MW - 14	12/04/06		0.249	0.157	0.263	0.954
MW - 14	03/14/07		0.194	0.292	0.220	0.751
MW - 14	05/29/07		0.212	0.097	0.251	0.807
MW - 14	08/30/07		0.129	0.0891	0.211	0.671
MW - 14	11/12/07		0.092	0.0249	0.196	0.634
MW - 14	03/07/08		0.0338	<0.001	0.0609	0.464
MW - 14	06/02/08		0.0920	0.0310	0.1470	0.480
MW - 14	09/03/08		0.0933	0.0025	0.2080	0.787
MW - 14	12/08/08		0.0264	<0.001	0.0908	0.399
MW - 14	02/19/09	Not Sampled				
MW - 14	05/20/09		0.0456	0.0053	0.1500	0.580
MW - 14	08/12/09		0.0439	<0.001	0.1570	0.669
MW - 14	11/25/09		0.0181	<0.001	0.0102	0.167
MW - 14	05/17/10		0.0107	<0.001	0.0681	0.248
MW - 14	08/16/10		<0.001	0.0024	0.0372	0.134
MW - 14	11/10/10		0.0057	<0.001	0.0127	0.0494
MW - 14	02/28/11	Not Sampled				
MW - 14	05/12/11		0.0116	<0.001	0.0575	0.1050
MW - 14	08/15/11		<0.001	<0.001	<0.001	<0.001
MW - 14	11/22/11		0.0026	<0.001	0.0166	0.0318
MW - 14	02/28/12		<0.001	<0.001	0.0242	0.0670
MW - 14	05/17/12		<0.001	<0.001	<0.001	0.0017
MW - 14	08/01/12		<0.001	<0.001	<0.001	<0.001
MW - 14	11/29/12		<0.001	<0.001	0.0035	0.0088
MW - 14	02/11/13		<0.001	<0.001	0.0173	0.0444
MW - 14	05/06/13		<0.001	<0.001	0.00740	0.0204
MW - 14	08/06/13		<0.001	<0.001	0.0169	0.0473
MW - 14	11/19/13		0.0019	<0.001	<0.001	<0.00300
MW - 14	02/04/14		0.00130	<0.00100	0.00160	0.0219
MW - 14	05/28/14		<0.00100	<0.00100	<0.00100	0.0158
MW - 14	08/23/14		<0.00100	<0.00100	<0.00100	<0.00100
MW - 14	11/18/14		<0.00100	<0.00100	<0.00100	0.0412
MW - 14	02/19/15		<0.00100	<0.00100	0.00390	0.0254
MW - 14	05/12/15		0.00210	<0.00100	0.00850	0.0445
MW - 14	08/18/15		<0.00100	<0.00100	<0.00100	0.0126

TABLE 2

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
 TNM 97-04
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 14	11/23/15	<0.00100	<0.00100	0.00190	0.0183	
MW - 14	02/24/16	<0.00100	<0.00100	<0.00100	0.00370	
MW - 14	06/13/16	<0.00100	<0.00100	0.00190	0.0183	
MW - 14	08/03/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 14	11/28/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 14	02/21/17	<0.00200	<0.00200	0.00421	0.00435	
MW - 14	05/24/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 14	08/11/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 14	11/28/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 14	02/26/18	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 14	05/07/18	<0.00200	<0.00200	<0.00200	0.00577	
MW - 14	08/09/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 14	11/14/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 14	02/18/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 14	05/14/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 14	08/19/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 14	11/11/19	<0.00100	<0.00100	0.00111	0.00665	
MW - 15	03/02/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 15	04/25/00	0.649	<0.001	<0.001	0.018	0.019
MW - 15	09/06/00	0.010	<0.001	0.003	0.024	<0.001
MW - 15	11/28/00	1.380	<0.010	<0.010	0.031	<0.010
MW - 15	02/21/01	2.870	<0.010	0.011	0.058	<0.010
MW - 15	05/31/01	3.830	<0.001	0.049	0.101	
MW - 15	08/23/01	4.600	0.001	0.077	0.075	0.009
MW - 15	11/21/01	4.000	0.012	0.117	0.084	0.039
MW - 15	02/13/02	2.910	0.020	0.128	0.063	0.060
MW - 15	06/12/02	5.430	0.004	0.216	0.032	0.057
MW - 15	08/26/02	4.590	0.002	0.183	0.230	0.300
MW - 15	11/21/02	8.130	0.002	0.384	0.009	<0.001
MW - 15	02/06/03	2.070	<0.001	0.041	0.010	<0.001
MW - 15	05/07/03	1.890	<0.001	0.006	<0.001	<0.001
MW - 15	08/18/03	1.910	0.001	0.122	0.006	<0.001
MW - 15	12/01/03	1.190	<0.001	0.057	0.006	<0.001
MW - 15	02/05/04	3.680	0.016	0.191	0.043	0.016
MW - 15	05/05/04	1.700	0.026	0.085	0.030	0.027
MW - 15	12/15/04	0.545	<0.0200	<0.0200	<0.0200	
MW - 15	03/22/05	2.380	0.057	0.163	0.140	

TABLE 2

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
 TNM 97-04
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCATION		SAMPLE DATE	EPA SW 846-8021B, 5030			
			BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 15	06/22/05	7.790	0.125	0.427	0.528	
MW - 15	09/21/05	4.470	<0.1	0.241	0.303	
MW - 15	12/16/05	5.650	0.103	0.273	0.275	
MW - 15	03/20/06	4.720	<0.2	0.217	0.337	
MW - 15	06/21/06	3.060	<0.2	<0.2	<0.2	
MW - 15	09/27/06	0.806	<0.02	0.031	0.065	
MW - 15	12/04/06	2.950	<0.02	0.224	0.346	
MW - 15	03/14/07	1.82	<0.05	0.144	0.138	
MW - 15	05/29/07	3.73	<0.2	<0.2	<0.2	
MW - 15	08/30/07	2.330	<0.002	0.184	0.175	
MW - 15	11/12/07	4.370	<0.05	0.487	0.621	
MW - 15	03/07/08	0.556	<0.05	<0.05	0.135	
MW - 15	06/02/08	1.880	<0.010	0.164	0.210	
MW - 15	09/03/08	4.310	<0.0200	0.348	0.387	
MW - 15	12/08/08	2.870	<0.0200	0.230	0.181	
MW - 15	02/19/09	0.673	<0.005	0.0472	0.0094	
MW - 15	05/20/09	2.050	<0.005	0.2190	0.1430	
MW - 15	08/12/09	0.510	<0.005	0.0523	0.0653	
MW - 15	11/25/09	1.390	<0.005	0.0820	0.0206	
MW - 15	02/11/10	1.640	<0.005	0.1410	0.0821	
MW - 15	05/21/10	0.787	<0.005	0.0366	0.0447	
MW - 15	08/16/10	0.819	<0.0100	0.0350	0.0217	
MW - 15	11/10/10	0.0785	<0.0100	<0.0100	<0.0100	
MW - 15	02/28/11	0.500	<0.0200	<0.0200	<0.0200	
MW - 15	05/12/11	4.210	<0.0200	0.3500	0.4040	
MW - 15	08/15/11	1.050	<0.0200	<0.0200	<0.0200	
MW - 15	11/22/11	1.490	<0.0200	0.0731	0.0676	
MW - 15	02/28/12	0.303	<0.0200	0.1470	0.4200	
MW - 15	05/17/12	<0.001	<0.001	<0.001	<0.001	
MW - 15	08/01/12	<0.001	<0.001	<0.001	<0.001	
MW - 15	11/29/12	<0.001	<0.001	<0.001	<0.001	
MW - 15	02/11/13	<0.001	<0.001	<0.001	<0.001	
MW - 15	05/06/13	<0.001	<0.001	<0.001	<0.001	
MW - 15	08/06/13	<0.001	<0.001	<0.001	<0.001	
MW - 15	11/19/13	0.0194	<0.001	0.0031	<0.001	
MW - 15	12/08/13	<0.00100	<0.001	0.00710	<0.00300	
MW - 15	02/04/14	<0.00100	<0.00100	0.00150	<0.00300	
MW - 15	05/28/14	0.394	<0.00100	0.0130	<0.00300	

TABLE 2

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
 TNM 97-04
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCATION		SAMPLE DATE	EPA SW 846-8021B, 5030			
			BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 15	08/23/14	0.0254	<0.00100	<0.00100	<0.00100	
MW - 15	11/18/14	0.366	<0.00100	0.0249	<0.00100	
MW - 15	02/19/15	0.164	<0.00100	0.0104	<0.00100	
MW - 15	05/12/15	<0.00100	<0.00100	<0.00100	0.00440	
MW - 15	08/18/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 15	11/23/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 15	02/24/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 15	06/13/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 15	08/03/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 15	11/28/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 15	02/21/17	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 15	05/24/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 15	08/11/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 15	11/28/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 15	02/26/18	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 15	05/07/18	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 15	08/09/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 15	11/14/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 15	02/18/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 15	05/14/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 15	08/19/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 15	11/11/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 16	01/10/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 16	05/07/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 16	08/18/03	0.008	0.003	<0.001	0.002	<0.001
MW - 16	12/01/03	0.014	0.005	0.003	0.005	0.003
MW - 16	02/05/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 16	05/05/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 16	12/15/04	<0.001	<0.001	<0.001	<0.001	
MW - 16	03/22/05	<0.001	<0.001	<0.001	<0.001	
MW - 16	06/22/05	<0.001	<0.001	<0.001	<0.001	
MW - 16	09/21/05	<0.005	<0.005	<0.005	<0.005	
MW - 16	12/16/05	<0.005	<0.005	<0.005	<0.005	
MW - 16	03/20/06	<0.005	<0.005	<0.005	<0.005	
MW - 16	06/21/06	<0.001	<0.001	<0.001	<0.001	
MW - 16	09/27/06	Not Sampled on Current Sample Schedule				
MW - 16	12/04/06	<0.001	<0.001	<0.001	<0.001	

TABLE 2

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 16	03/14/07	Not Sampled on Current Sample Schedule				
MW - 16	05/29/07	<0.001	<0.001	<0.001	<0.001	
MW - 16	08/30/07	Not Sampled on Current Sample Schedule				
MW - 16	11/12/07	<0.001	<0.001	<0.001	<0.001	
MW - 16	03/07/08	Not Sampled on Current Sample Schedule				
MW - 16	06/02/08	Not Sampled on Current Sample Schedule				
MW - 16	09/03/08	<0.001	<0.001	<0.001	<0.001	
MW - 16	12/08/08	<0.001	<0.001	<0.001	<0.001	
MW - 16	02/19/09	Not Sampled on Current Sample Schedule				
MW - 16	05/20/09	<0.001	<0.001	<0.001	<0.001	
MW - 16	08/12/09	Not Sampled on Current Sample Schedule				
MW - 16	11/25/09	<0.001	<0.001	<0.001	<0.001	
MW - 16	02/11/10	Not Sampled on Current Sample Schedule				
MW - 16	05/21/10	<0.001	<0.001	<0.001	<0.001	
MW - 16	08/16/10	Not Sampled on Current Sample Schedule				
MW - 16	11/10/10	<0.001	<0.001	<0.001	<0.001	
MW - 16	02/28/11	Not Sampled on Current Sample Schedule				
MW - 16	05/12/11	<0.001	<0.001	<0.001	<0.001	
MW - 16	08/15/11	Not Sampled on Current Sample Schedule				
MW - 16	11/22/11	<0.001	<0.001	<0.001	<0.001	
MW - 16	02/28/12	Not Sampled on Current Sample Schedule				
MW - 16	05/17/12	<0.001	<0.001	<0.001	<0.001	
MW - 16	08/01/12	Not Sampled on Current Sample Schedule				
MW - 16	11/29/12	<0.001	<0.001	<0.001	<0.001	
MW - 16	02/11/13	Not Sampled on Current Sample Schedule				
MW - 16	05/06/13	<0.001	<0.001	<0.001	<0.001	
MW - 16	08/06/13	Not Sampled on Current Sample Schedule				
MW - 16	11/19/13	<0.001	<0.001	<0.001	<0.001	
MW - 16	02/04/14	Not Sampled on Current Sample Schedule				
MW - 16	05/28/14	Not Sampled on Current Sample Schedule				
MW - 16	08/23/14	Not Sampled on Current Sample Schedule				
MW - 16	11/18/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 16	02/19/15	Not Sampled on Current Sample Schedule				
MW - 16	05/12/15	Not Sampled on Current Sample Schedule				
MW - 16	08/18/15	Not Sampled on Current Sample Schedule				
MW - 16	11/23/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 16	02/24/16	Not Sampled on Current Sample Schedule				
MW - 16	06/13/16	Not Sampled on Current Sample Schedule				

TABLE 2

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCATION		SAMPLE DATE	EPA SW 846-8021B, 5030				
			BENZENE	TOLUENE	ETHYL-BENZENE	m, p -XYLENES	o -XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62		
MW - 16	08/03/16	Not Sampled on Current Sample Schedule					
MW - 16	11/28/16	<0.00200	<0.00200	<0.00200	<0.00200		
MW - 16	02/21/17	Not Sampled on Current Sample Schedule					
MW - 16	05/24/17	Not Sampled on Current Sample Schedule					
MW - 16	08/11/17	Not Sampled on Current Sample Schedule					
MW - 16	11/28/17	<0.00200	<0.00200	<0.00200	<0.00400		
MW - 16	02/26/18	Not Sampled on Current Sample Schedule					
MW - 16	05/07/18	Not Sampled on Current Sample Schedule					
MW - 16	08/09/18	Not Sampled on Current Sample Schedule					
MW - 16	11/14/18	<0.00100	<0.0100	<0.00500	<0.0200		
MW - 16	02/18/19	Not Sampled on Current Sample Schedule					
MW - 16	05/14/19	Not Sampled on Current Sample Schedule					
MW - 16	08/19/19	Not Sampled on Current Sample Schedule					
MW - 16	11/11/19	<0.00100	<0.00100	<0.00100	<0.00200		
MW - 17	01/10/03	<0.001	<0.001	<0.001	<0.001	<0.001	
MW - 17	05/07/03	<0.001	<0.001	<0.001	<0.001	<0.001	
MW - 17	08/18/03	<0.001	<0.001	<0.001	<0.001	<0.001	
MW - 17	12/01/03	<0.001	<0.001	<0.001	<0.002	<0.001	
MW - 17	02/05/04	<0.001	<0.001	<0.001	<0.002	<0.001	
MW - 17	05/05/04	<0.001	<0.001	<0.001	<0.002	<0.001	
MW - 17	09/01/04	<0.001	<0.001	<0.001	<0.002	<0.001	
MW - 17	12/15/04	<0.001	<0.001	<0.001	<0.001		
MW - 17	03/22/05	<0.001	<0.001	<0.001	<0.001		
MW - 17	06/22/05	<0.001	<0.001	<0.001	<0.001		
MW - 17	09/21/05	<0.001	<0.001	<0.001	<0.001		
MW - 17	12/16/05	<0.001	<0.001	<0.001	<0.001		
MW - 17	03/20/06	<0.001	<0.001	<0.001	<0.001		
MW - 17	06/21/06	Not Sampled					
MW - 17	08/09/06	Plugged and Abandoned					
MW - 18	08/12/09	<0.001	<0.001	<0.001	<0.001		
MW - 18	11/25/09	<0.001	<0.001	<0.001	<0.001		
MW - 18	02/11/10	<0.001	<0.001	<0.001	<0.001		
MW - 18	05/17/10	<0.001	<0.001	<0.001	<0.001		
MW - 18	08/16/10	<0.001	<0.001	<0.001	<0.001		
MW - 18	11/10/10	<0.001	<0.001	<0.001	<0.001		
MW - 18	02/28/11	<0.001	<0.001	<0.001	<0.001		

TABLE 2

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
 TNM 97-04
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCATION		SAMPLE DATE	EPA SW 846-8021B, 5030			
			BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 18	05/12/11	<0.001	<0.001	<0.001	<0.001	
MW - 18	08/15/11	<0.001	<0.001	<0.001	<0.001	
MW - 18	11/22/11	<0.001	<0.001	<0.001	<0.001	
MW - 18	02/28/12	<0.001	<0.001	<0.001	<0.001	
MW - 18	05/17/12	<0.001	<0.001	<0.001	<0.001	
MW - 18	08/01/12	<0.001	<0.001	<0.001	<0.001	
MW - 18	11/29/12	<0.001	<0.001	<0.001	<0.001	
MW - 18	02/11/13	<0.001	<0.001	<0.001	<0.001	
MW - 18	05/06/13	<0.001	<0.001	<0.001	<0.001	
MW - 18	08/06/13	<0.001	<0.001	<0.001	<0.001	
MW - 18	11/19/13	<0.001	<0.001	<0.001	<0.001	
MW - 18	02/04/14	<0.00100	<0.00100	<0.00100	<0.00300	
MW - 18	05/28/14	<0.00100	<0.00100	<0.00100	<0.00300	
MW - 18	08/23/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 18	11/18/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 18	02/19/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 18	05/12/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 18	08/18/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 18	11/23/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 18	02/24/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 18	06/13/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 18	08/03/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 18	11/28/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 18	02/21/17	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 18	05/24/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 18	08/11/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 18	11/28/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 18	02/26/18	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 18	05/07/18	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 18	08/09/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 18	11/14/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 18	02/18/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 18	05/14/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 18	08/19/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 18	11/11/19	<0.00100	<0.00100	<0.00100	<0.00200	
RW - 1	03/22/05	Not Sampled Due to PSH in Well				
RW - 1	06/22/05	Not Sampled Due to PSH in Well				

TABLE 2

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
 TNM 97-04
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
RW - 1	09/21/05	Not Sampled Due to PSH in Well				
RW - 1	12/16/05	Not Sampled Due to PSH in Well				
RW - 1	03/20/06	Not Sampled Due to PSH in Well				
RW - 1	06/21/06	Not Sampled Due to PSH in Well				
RW - 1	09/27/06	Not Sampled Due to PSH in Well				
RW - 1	12/04/06	Not Sampled Due to PSH in Well				
RW - 1	03/14/07	Not Sampled Due to PSH in Well				
RW - 1	05/29/07	Not Sampled Due to PSH in Well				
RW - 1	08/30/07	Not Sampled Due to PSH in Well				
RW - 1	11/12/07	Not Sampled Due to PSH in Well				
RW - 1	03/07/08	Not Sampled Due to PSH in Well				
RW - 1	06/02/08	Not Sampled Due to PSH in Well				
RW - 1	09/03/08	Not Sampled Due to PSH in Well				
RW - 1	12/10/08	10.10	2.440	0.792	1.500	
RW - 1	02/19/09	Not Sampled Due to PSH in Well				
RW - 1	05/20/09	Not Sampled Due to PSH in Well				
RW - 1	08/12/09	Not Sampled Due to PSH in Well				
RW - 1	11/25/09	11.10	5.480	0.946	2.270	
RW - 1	02/11/10	Not Sampled Due to PSH in Well				
RW - 1	05/17/10	Not Sampled Due to PSH in Well				
RW - 1	08/16/10	Not Sampled Due to PSH in Well				
RW - 1	11/10/10	Not Sampled Due to PSH in Well				
RW - 1	02/28/11	Not Sampled Due to PSH in Well				
RW - 1	05/12/11	Not Sampled Due to PSH in Well				
RW - 1	08/15/11	Not Sampled Due to PSH in Well				
RW - 1	11/22/11	Not Sampled Due to PSH in Well				
RW - 1	02/28/12	Not Sampled Due to PSH in Well				
RW - 1	05/17/12	Not Sampled Due to PSH in Well				
RW - 1	08/01/12	Not Sampled Due to PSH in Well				
RW - 1	11/29/12	Not Sampled Due to PSH in Well				
RW - 1	02/11/13	Not Sampled Due to PSH in Well				
RW - 1	05/06/13	Not Sampled Due to PSH in Well				
RW - 1	08/06/13	Not Sampled Due to PSH in Well				
RW - 1	11/18/13	Not Sampled Due to PSH in Well				
RW - 1	02/04/14	Not Sampled Due to PSH in Well				
RW - 1	05/28/14	Not Sampled Due to PSH in Well				
RW - 1	08/23/14	2.62	0.746	0.384	0.797	
RW - 1	11/18/14	Not Sampled Due to PSH in Well				

TABLE 2

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
RW - 1	02/19/15	Not Sampled Due to PSH in Well				
RW - 1	05/12/15	Not Sampled Due to PSH in Well				
RW - 1	08/18/15	Not Sampled Due to PSH in Well				
RW - 1	11/23/15	Not Sampled Due to PSH in Well				
RW - 1	02/24/16	Not Sampled Due to PSH in Well				
RW - 1	06/13/16	Not Sampled Due to PSH in Well				
RW - 1	08/03/16	Not Sampled Due to PSH in Well				
RW - 1	11/28/16	Not Sampled Due to PSH in Well				
RW - 1	02/21/17	Not Sampled Due to PSH in Well				
RW - 1	05/24/17	Not Sampled Due to PSH in Well				
RW - 1	08/11/17	Not Sampled Due to PSH in Well				
RW - 1	11/28/17	Not Sampled Due to PSH in Well				
RW - 1	02/26/18	Not Sampled Due to PSH in Well				
RW - 1	05/07/18	Not Sampled Due to PSH in Well				
RW - 1	08/09/18	Not Sampled Due to PSH in Well				
RW - 1	11/14/18	Not Sampled Due to PSH in Well				
RW - 1	02/18/19	Not Sampled Due to PSH in Well				
RW - 1	05/14/19	Not Sampled Due to PSH in Well				
RW - 1	08/19/19	Not Sampled Due to PSH in Well				
RW - 1	11/11/19	Not Sampled Due to PSH in Well				
RW - 2	08/16/10	Not Sampled Due to PSH in Well				
RW - 2	11/10/10	Not Sampled Due to PSH in Well				
RW - 2	02/28/11	Not Sampled Due to PSH in Well				
RW - 2	05/12/11	Not Sampled Due to PSH in Well				
RW - 2	08/15/11	Not Sampled Due to PSH in Well				
RW - 2	11/22/11	Not Sampled Due to PSH in Well				
RW - 2	02/28/12	Not Sampled Due to PSH in Well				
RW - 2	05/17/12	Not Sampled Due to PSH in Well				
RW - 2	08/01/12	Not Sampled Due to PSH in Well				
RW - 2	11/29/12	Not Sampled Due to PSH in Well				
RW - 2	02/11/13	Not Sampled Due to PSH in Well				
RW - 2	05/06/13	Not Sampled Due to PSH in Well				
RW - 2	08/06/13	Not Sampled Due to PSH in Well				
RW - 2	11/18/13	Not Sampled Due to PSH in Well				
RW - 2	02/04/14	Not Sampled Due to PSH in Well				
RW - 2	05/28/14	Not Sampled Due to PSH in Well				
RW - 2	08/23/14	Not Sampled Due to PSH in Well				

TABLE 2

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
RW - 2	11/18/14	Not Sampled Due to PSH in Well				
RW - 2	02/19/15	Not Sampled Due to PSH in Well				
RW - 2	05/12/15	Not Sampled Due to PSH in Well				
RW - 2	08/18/15	Not Sampled Due to PSH in Well				
RW - 2	11/23/15	Not Sampled Due to PSH in Well				
RW - 2	02/24/16	Not Sampled Due to PSH in Well				
RW - 2	06/13/16	Not Sampled Due to PSH in Well				
RW - 2	08/03/16	Not Sampled Due to PSH in Well				
RW - 2	11/28/16	Not Sampled Due to PSH in Well				
RW - 2	02/21/17	Not Sampled Due to PSH in Well				
RW - 2	05/24/17	Not Sampled Due to PSH in Well				
RW - 2	08/11/17	Not Sampled Due to PSH in Well				
RW - 2	11/28/17	Not Sampled Due to PSH in Well				
RW - 2	02/26/18	Not Sampled Due to PSH in Well				
RW - 2	05/07/18	Not Sampled Due to PSH in Well				
RW - 2	08/09/18	Not Sampled Due to PSH in Well				
RW - 2	11/14/18	Not Sampled Due to PSH in Well				
RW - 2	02/18/19	Not Sampled Due to PSH in Well				
RW - 2	05/14/19	Not Sampled Due to PSH in Well				
RW - 2	08/19/19	Not Sampled Due to PSH in Well				
RW - 2	11/11/19	Not Sampled Due to PSH in Well				
RW - 3	08/16/10	Not Sampled Due to PSH in Well				
RW - 3	11/10/10	Not Sampled Due to PSH in Well				
RW - 3	02/28/11	Not Sampled Due to PSH in Well				
RW - 3	05/12/11	Not Sampled Due to PSH in Well				
RW - 3	08/15/11	Not Sampled Due to PSH in Well				
RW - 3	11/22/11	Not Sampled Due to PSH in Well				
RW - 3	02/28/12	Not Sampled Due to PSH in Well				
RW - 3	05/17/12	Not Sampled Due to PSH in Well				
RW - 3	08/01/12	Not Sampled Due to PSH in Well				
RW - 3	11/29/12	Not Sampled Due to PSH in Well				
RW - 3	02/11/13	Not Sampled Due to PSH in Well				
RW - 3	05/06/13	Not Sampled Due to PSH in Well				
RW - 3	08/06/13	Not Sampled Due to PSH in Well				
RW - 3	11/18/13	Not Sampled Due to PSH in Well				
RW - 3	02/04/14	Not Sampled Due to PSH in Well				
RW - 3	05/28/14	Not Sampled Due to PSH in Well				

TABLE 2

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
 TNM 97-04
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
RW - 3	08/23/14	Not Sampled Due to PSH in Well				
RW - 3	11/18/14	Not Sampled Due to PSH in Well				
RW - 3	02/19/15	Not Sampled Due to PSH in Well				
RW - 3	05/12/15	Not Sampled Due to PSH in Well				
RW - 3	08/18/15	Not Sampled Due to PSH in Well				
RW - 3	11/23/15	Not Sampled Due to PSH in Well				
RW - 3	02/24/16	Not Sampled Due to PSH in Well				
RW - 3	06/13/16	Not Sampled Due to PSH in Well				
RW - 3	08/03/16	Not Sampled Due to PSH in Well				
RW - 3	11/28/16	Not Sampled Due to PSH in Well				
RW - 3	02/21/17	Not Sampled Due to PSH in Well				
RW - 3	05/24/17	Not Sampled Due to PSH in Well				
RW - 3	08/11/17	Not Sampled Due to PSH in Well				
RW - 3	11/28/17	Not Sampled Due to PSH in Well				
RW - 3	02/26/18	Not Sampled Due to PSH in Well				
RW - 3	05/07/18	Not Sampled Due to PSH in Well				
RW - 3	08/09/18	Not Sampled Due to PSH in Well				
RW - 3	11/14/18	Not Sampled Due to PSH in Well				
RW - 3	02/18/19	Not Sampled Due to PSH in Well				
RW - 3	05/14/19	Not Sampled Due to PSH in Well				
RW - 3	08/19/19	Not Sampled Due to PSH in Well				
RW - 3	11/11/19	Not Sampled Due to PSH in Well				
RW - 4	08/16/10	Not Sampled Due to PSH in Well				
RW - 4	11/10/10	Not Sampled Due to PSH in Well				
RW - 4	02/28/11	Not Sampled Due to PSH in Well				
RW - 4	05/12/11	Not Sampled Due to PSH in Well				
RW - 4	08/15/11	Not Sampled Due to PSH in Well				
RW - 4	11/22/11	Not Sampled Due to PSH in Well				
RW - 4	02/28/12	Not Sampled Due to PSH in Well				
RW - 4	05/17/12	Not Sampled Due to PSH in Well				
RW - 4	08/01/12	Not Sampled Due to PSH in Well				
RW - 4	11/29/12	Not Sampled Due to PSH in Well				
RW - 4	02/11/13	Not Sampled Due to PSH in Well				
RW - 4	05/06/13	Not Sampled Due to PSH in Well				
RW - 4	08/06/13	Not Sampled Due to PSH in Well				
RW - 4	11/18/13	Not Sampled Due to PSH in Well				
RW - 4	02/04/14	Not Sampled Due to PSH in Well				

TABLE 2

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCATION		SAMPLE DATE	EPA SW 846-8021B, 5030				
			BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE			0.01	0.75	0.75	0.62	
RW - 4	05/28/14	Not Sampled Due to PSH in Well					
RW - 4	08/23/14	3.37	2.35	0.735	1.60		
RW - 4	11/18/14	Not Sampled Due to PSH in Well					
RW - 4	02/19/15	Not Sampled Due to PSH in Well					
RW - 4	05/12/15	Not Sampled Due to PSH in Well					
RW - 4	08/18/15	Not Sampled Due to PSH in Well					
RW - 4	11/23/15	Not Sampled Due to PSH in Well					
RW - 4	02/24/16	Not Sampled Due to PSH in Well					
RW - 4	06/13/16	Not Sampled Due to PSH in Well					
RW - 4	08/03/16	Not Sampled Due to PSH in Well					
RW - 4	11/28/16	Not Sampled Due to PSH in Well					
RW - 4	02/21/17	Not Sampled Due to PSH in Well					
RW - 4	05/24/17	Not Sampled Due to PSH in Well					
RW - 4	08/11/17	Not Sampled Due to PSH in Well					
RW - 4	11/28/17	Not Sampled Due to PSH in Well					
RW - 4	02/26/18	Not Sampled Due to PSH in Well					
RW - 4	05/07/18	Not Sampled Due to PSH in Well					
RW - 4	08/09/18	Not Sampled Due to PSH in Well					
RW - 4	11/14/18	Not Sampled Due to PSH in Well					
RW - 4	02/18/19	Not Sampled Due to PSH in Well					
RW - 4	05/14/19	Not Sampled Due to PSH in Well					
RW - 4	08/19/19	Not Sampled Due to PSH in Well					
RW - 4	11/11/19	Not Sampled Due to PSH in Well					

TABLE 3

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 TOWNSEND
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

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-2	12/10/08	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	0.0109	<0.000922	<0.000922	0.0429	<0.000922	0.0587	<0.000922	0.232	0.354	0.417	0.0377
MW-2	11/25/09	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	0.0276	<0.000922	0.0378	<0.000922	0.207	0.274	0.337	0.0267
MW-2	11/10/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-2	12/15/11	Not Sampled due to the presence of PSH.																		
MW-2	11/29/12	Not Sampled due to the presence of PSH.																		
MW-2	11/18/13	Not Sampled due to the presence of PSH.																		
MW-2	11/18/14	Not Sampled due to the presence of PSH.																		
MW-2	11/23/15	Not Sampled due to the presence of PSH.																		
MW-2	11/28/16	Not Sampled due to the presence of PSH.																		
MW-2	11/28/17	Not Sampled due to the presence of PSH.																		
MW-2	11/14/18	Not Sampled due to the presence of PSH.																		
MW-2	11/11/19	Not Sampled due to the presence of PSH.																		
MW-3	12/10/08	<0.000184	0.00934	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.00578	<0.000184	<0.000184	0.024	<0.000184	0.0368	<0.000184	0.192	0.348	0.409	0.0228
MW-3	11/25/09	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	0.788	<0.0370	1.06	<0.0370	3.87	7.02	8.74	0.626
MW-3	11/10/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-3	12/15/11	Not Sampled due to the presence of PSH.																		
MW-3	11/29/12	Not Sampled due to the presence of PSH.																		
MW-3	11/18/13	Not Sampled due to the presence of PSH.																		
MW-3	11/18/14	Not Sampled due to the presence of PSH.																		
MW-3	11/23/15	Not Sampled due to the presence of PSH.																		
MW-3	11/28/16	Not Sampled due to the presence of PSH.																		
MW-3	11/28/17	Not Sampled due to the presence of PSH.																		
MW-3	11/14/18	Not Sampled due to the presence of PSH.																		
MW-3	11/11/19	Not Sampled due to the presence of PSH.																		
MW-4	12/10/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.0039	<0.000184	0.00376	<0.000184	0.0668	0.0435	0.0423	0.00414
MW-4	11/25/09	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	0.0143	<0.000917	0.0181	<0.000917	0.103	0.118	0.089	0.0123
MW-4	11/10/10	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.00338	<0.000184	0.00404	<0.000184	0.0279	0.035	0.0188	0.00247

TABLE 3

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.

TNM 97-04 TOWNSEND

LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER GW-0294

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-4	12/15/11	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	0.00322	<0.000187	0.00423	<0.000187	0.0469	0.0371	0.0317	0.00409	
MW-4	11/29/12	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	0.00306	<0.000190	<0.000190	0.0081	<0.000190	0.0123	<0.000190	0.0274	0.0289	0.0235	0.00877	
MW-4	11/19/13	<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	<0.000200	0.0877	0.109	0.121	12.6	
MW-4	11/18/14	Not Sampled due to the presence of PSH.																		
MW-4	11/23/15	Not Sampled due to the presence of PSH.																		
MW-4	11/28/16	<0.000571	<0.000571	<0.000571	<0.000571	<0.000571	<0.000571	<0.000571	<0.000571	<0.000571	<0.000571	<0.000571	<0.000571	<0.000571	<0.000571	<0.000571	<0.000571	<0.000571	<0.000571	
MW-4	11/28/17	Not Sampled due to the presence of PSH.																		
MW-4	11/14/18	Not Sampled due to the presence of PSH.																		
MW-4	11/11/19	0.011	0.010	0.025	<0.00097	<0.00097	0.0050	<0.00097	0.0024	0.059	<0.00097	0.013	0.25	<0.00097	0.36	0.015	7.6		0.23	
MW-5	12/10/08	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	0.0424	<0.000935	0.192	0.301	0.346	0.0316	
MW-5	11/25/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.00909	<0.000184	0.0104	<0.000184	0.0905	0.0931	0.107	0.00848	
MW-5	11/10/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	12/15/11	Not Sampled due to the presence of PSH.																		
MW-5	11/29/12	Not Sampled due to the presence of PSH.																		
MW-5	11/18/13	Not Sampled due to the presence of PSH.																		
MW-5	11/18/14	Not Sampled due to the presence of PSH.																		
MW-5	11/23/15	Not Sampled due to the presence of PSH.																		
MW-5	11/28/16	Not Sampled due to the presence of PSH.																		
MW-5	11/28/17	Not Sampled due to the presence of PSH.																		
MW-5	14/14/18	Not Sampled due to the presence of PSH.																		
MW-5	11/11/19	Not Sampled due to the presence of PSH.																		
MW-6	12/10/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.00706	<0.000184	0.0921	0.0687	0.0744	0.00635	
MW-6	11/25/09	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	0.0528	<0.000922	0.0648	<0.000922	0.294	0.498	0.569	0.0467	
MW-6	11/10/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-6	12/15/11	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	0.00132	<0.000190	0.00137	<0.000190	0.0179	0.0212	0.0179	0.00158	
MW-6	11/29/12	Not Sampled due to the presence of PSH.																		
MW-6	11/18/13	Not Sampled due to the presence of PSH.																		

TABLE 3

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.

TNM 97-04 TOWNSEND

LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER GW-0294

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-6	11/18/14	Not Sampled due to the presence of PSH.																		
MW-6	11/23/15	<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	
MW-6	11/28/16	0.00125	0.000696	0.000640	<0.000290	0.000687	0.000477	<0.000290	0.000406	0.00204	<0.000290	0.000652	0.00371	<0.000290	0.00758	0.000628	0.0109		0.00350	
MW-6	11/28/17	Not Sampled due to the presence of PSH.																		
MW-6	11/14/18	Not Sampled due to the presence of PSH.																		
MW-6	11/11/19	Not Sampled due to the presence of PSH.																		
MW-7	12/08/08	<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	0.0002	<0.000184	<0.000184	<0.000184
MW-7	11/25/09	<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	
MW-7	11/10/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-7	12/15/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-7	11/29/12	Not Sampled as part of Quarterly Monitoring Event.																		
MW-7	11/19/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-7	11/18/14	Not Sampled as part of Quarterly Monitoring Event.																		
MW-7	11/23/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-7	11/28/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-7	11/28/17	Not Sampled as part of Quarterly Monitoring Event.																		
MW-7	11/14/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-7	11/11/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-9	12/10/08	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	0.0134	<0.000926	0.016	<0.000926	0.102	0.122	0.138	0.0127
MW-9	11/25/09	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	0.0250	<0.000917	0.0315	<0.000917	0.125	0.221	0.253	0.0201
MW-9	11/10/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-9	12/15/11	Not Sampled due to the presence of PSH.																		
MW-9	11/29/12	Not Sampled due to the presence of PSH.																		
MW-9	11/18/13	Not Sampled due to the presence of PSH.																		
MW-9	11/18/14	Not Sampled due to the presence of PSH.																		
MW-9	11/23/15	Not Sampled due to the presence of PSH.																		
MW-9	11/28/16	Not Sampled due to the presence of PSH.																		

TABLE 3

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 TOWNSEND
LEA COUNTY, NEW MEXICO
NMOC REFERENCE NUMBER GW-0294

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-9	11/28/17	Not Sampled due to the presence of PSH.																		
MW-9	11/14/18	Not Sampled due to the presence of PSH.																		
MW-9	11/11/19	0.013	0.0064	0.023	<0.00098	0.0015	0.0048	<0.00098	0.0038	0.054	<0.00098	0.013	0.29	<0.00098	0.49	0.014	6.2			0.26
MW-10	12/08/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	
MW-10	11/25/09	<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	
MW-10	11/10/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-10	12/15/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-10	11/29/12	Not Sampled as part of Quarterly Monitoring Event.																		
MW-10	11/18/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-10	11/18/14	Not Sampled as part of Quarterly Monitoring Event.																		
MW-10	11/23/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-10	11/28/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-10	11/28/17	Not Sampled as part of Quarterly Monitoring Event.																		
MW-10	11/14/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-10	11/11/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-11	12/08/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	
MW-11	11/25/09	<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	
MW-11	11/10/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-11	12/15/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-11	11/29/12	Not Sampled as part of Quarterly Monitoring Event.																		
MW-11	11/18/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-11	11/18/14	Not Sampled as part of Quarterly Monitoring Event.																		
MW-11	11/23/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-11	11/28/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-11	11/28/17	Not Sampled as part of Quarterly Monitoring Event.																		
MW-11	11/14/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-11	11/11/19	Not Sampled as part of Quarterly Monitoring Event.																		

TABLE 3

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 TOWNSEND
LEA COUNTY, NEW MEXICO
NMOC REFERENCE NUMBER GW-0294

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	Dibenzo[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-12	12/08/08	<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	
MW-12	11/25/09	<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	
MW-12	11/10/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	12/15/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	11/29/12	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	11/18/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	11/18/14	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	11/23/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	11/28/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	11/28/17	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	11/14/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	11/11/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	12/08/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.000294	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.00116
MW-13	11/25/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.000638
MW-13	11/10/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	12/15/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	11/29/12	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	11/19/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	11/18/14	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	11/23/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	11/28/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	11/28/17	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	11/14/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	11/11/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-14	12/08/08	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	0.000417	<0.000185	0.000311	<0.000185	0.00328	0.00314	0.00298	0.000355
MW-14	11/25/09	<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	0.00605	0.00516	0.00321	<0.000184
MW-14	11/10/10	Not Sampled as part of Quarterly Monitoring Event.																		

TABLE 3

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 TOWNSEND
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

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-14	12/15/11	Not Sampled as part of Quarterly Monitoring Event.																				
MW-14	11/29/12	Not Sampled as part of Quarterly Monitoring Event.																				
MW-14	11/19/13	Not Sampled as part of Quarterly Monitoring Event.																				
MW-14	11/18/14	Not Sampled as part of Quarterly Monitoring Event.																				
MW-14	11/23/15	Not Sampled as part of Quarterly Monitoring Event.																				
MW-14	11/28/16	Not Sampled as part of Quarterly Monitoring Event.																				
MW-14	11/28/17	Not Sampled as part of Quarterly Monitoring Event.																				
MW-14	11/14/18	Not Sampled as part of Quarterly Monitoring Event.																				
MW-14	11/11/19	Not Sampled as part of Quarterly Monitoring Event.																				
MW-15	12/08/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.000558	<0.000184	0.000384	<0.000184	0.00993	0.00525	0.00386	0.000687		
MW-15	11/25/09	<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	0.00209	0.00101	<0.000184	<0.000184		
MW-15	11/10/10	Not Sampled as part of Quarterly Monitoring Event.																				
MW-15	12/15/11	Not Sampled as part of Quarterly Monitoring Event.																				
MW-15	11/29/12	Not Sampled as part of Quarterly Monitoring Event.																				
MW-15	11/19/13	Not Sampled as part of Quarterly Monitoring Event.																				
MW-15	11/18/14	Not Sampled as part of Quarterly Monitoring Event.																				
MW-15	11/23/15	Not Sampled as part of Quarterly Monitoring Event.																				
MW-15	11/28/16	Not Sampled as part of Quarterly Monitoring Event.																				
MW-15	11/28/17	Not Sampled as part of Quarterly Monitoring Event.																				
MW-15	11/14/18	Not Sampled as part of Quarterly Monitoring Event.																				
MW-15	11/11/19	Not Sampled as part of Quarterly Monitoring Event.																				
MW-16	12/08/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184		
MW-16	11/25/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184		
MW-16	11/10/10	Not Sampled as part of Quarterly Monitoring Event.																				
MW-16	12/15/11	Not Sampled as part of Quarterly Monitoring Event.																				
MW-16	11/29/12	Not Sampled as part of Quarterly Monitoring Event.																				
MW-16	11/19/13	Not Sampled as part of Quarterly Monitoring Event.																				
MW-16	11/18/14	Not Sampled as part of Quarterly Monitoring Event.																				
MW-16	11/23/15	Not Sampled as part of Quarterly Monitoring Event.																				

TABLE 3

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 TOWNSEND
LEA COUNTY, NEW MEXICO
NMOC REFERENCE NUMBER GW-0294

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	Dibenzo[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-16	11/28/16	Not Sampled as part of Quarterly Monitoring Event.																					
MW-16	11/28/17	Not Sampled as part of Quarterly Monitoring Event.																					
MW-16	11/14/18	Not Sampled as part of Quarterly Monitoring Event.																					
MW-16	11/11/19	Not Sampled as part of Quarterly Monitoring Event.																					
MW-18	11/25/09	<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				
MW-18	11/10/10	Not Sampled as part of Quarterly Monitoring Event.																					
MW-18	12/31/11	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.000262				
MW-18	11/29/12	Not Sampled as part of Quarterly Monitoring Event.																					
MW-18	11/19/13	Not Sampled as part of Quarterly Monitoring Event.																					
MW-18	11/18/14	<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				
MW-18	11/23/15	Not Sampled as part of Quarterly Monitoring Event.																					
MW-18	11/28/16	Not Sampled as part of Quarterly Monitoring Event.																					
MW-18	11/28/17	Not Sampled as part of Quarterly Monitoring Event.																					
MW-18	11/14/18	Not Sampled as part of Quarterly Monitoring Event.																					
MW-18	11/11/19	Not Sampled as part of Quarterly Monitoring Event.																					
RW-1	12/10/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.0085	<0.000184	0.0104	<0.000184	0.075	0.0857	0.0912	0.00817			
RW-1	11/25/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.0120	<0.000184	0.0131	<0.000184	0.0961	0.113	0.126	0.0100			
RW-1	11/10/10	Not Sampled as part of Quarterly Monitoring Event.																					
RW-1	12/15/11	Not Sampled due to the presence of PSH.																					
RW-1	11/29/12	Not Sampled due to the presence of PSH.																					
RW-1	11/18/13	Not Sampled due to the presence of PSH.																					
RW-1	11/18/14	Not Sampled due to the presence of PSH.																					
RW-1	11/23/15	Not Sampled due to the presence of PSH.																					
RW-1	11/28/16	Not Sampled due to the presence of PSH.																					
RW-1	11/28/17	Not Sampled due to the presence of PSH.																					
RW-1	11/14/18	Not Sampled due to the presence of PSH.																					
RW-1	11/11/19	Not Sampled due to the presence of PSH.																					
RW-2	11/10/10	Not Sampled due to the presence of PSH.																					

TABLE 3

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 TOWNSEND
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

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		---	
RW-2	12/15/11	Not Sampled due to the presence of PSH.																		
RW-2	11/29/12	Not Sampled due to the presence of PSH.																		
RW-2	11/18/13	Not Sampled due to the presence of PSH.																		
RW-2	11/18/14	Not Sampled due to the presence of PSH.																		
RW-2	11/23/15	Not Sampled due to the presence of PSH.																		
RW-2	11/28/16	Not Sampled due to the presence of PSH.																		
RW-2	11/28/17	Not Sampled due to the presence of PSH.																		
RW-2	11/14/18	Not Sampled due to the presence of PSH.																		
RW-2	11/11/19	Not Sampled due to the presence of PSH.																		
RW-3	11/10/10	Not Sampled due to the presence of PSH.																		
RW-3	12/15/11	Not Sampled due to the presence of PSH.																		
RW-3	11/29/12	Not Sampled due to the presence of PSH.																		
RW-3	11/18/13	Not Sampled due to the presence of PSH.																		
RW-3	11/18/14	Not Sampled due to the presence of PSH.																		
RW-3	11/23/15	Not Sampled due to the presence of PSH.																		
RW-3	11/28/16	Not Sampled due to the presence of PSH.																		
RW-3	11/28/17	Not Sampled due to the presence of PSH.																		
RW-3	11/14/18	Not Sampled due to the presence of PSH.																		
RW-3	11/11/19	Not Sampled due to the presence of PSH.																		
RW-4	11/10/10	Not Sampled due to the presence of PSH.																		
RW-4	12/15/11	Not Sampled due to the presence of PSH.																		
RW-4	11/29/12	Not Sampled due to the presence of PSH.																		
RW-4	11/18/13	Not Sampled due to the presence of PSH.																		
RW-4	11/18/14	Not Sampled due to the presence of PSH.																		
RW-4	11/23/15	Not Sampled due to the presence of PSH.																		
RW-4	11/28/16	Not Sampled due to the presence of PSH.																		
RW-4	11/28/17	Not Sampled due to the presence of PSH.																		
RW-4	11/14/18	Not Sampled due to the presence of PSH.																		
RW-4	11/11/19	Not Sampled due to the presence of PSH.																		

TABLE 4

HISTORICAL NMWQCC METALS CONCENTRATIONS IN EFFLUENT GROUNDWATER
 PLAINS MARKETING, L.P.
 TNM 97-04 TOWNSEND
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE NUMBER GW-0294

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE																	
		Total Aluminum	Total Boron	Total Cobalt	Total Copper	Total Iron	Total Manganese	Total Molybdenum	Total Nickel	Total Arsenic	Total Barium	Total Cadmium	Total Chromium	Total Mercury	Total Lead	Total Selenium	Total Silver	Total Zinc
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		5.0 mg/L	0.75 mg/L	0.05 mg/L	1.0 mg/L	1.0 mg/L	0.2 mg/L	1.0 mg/L	0.2 mg/L	0.1 mg/L	1.0 mg/L	0.01 mg/L	0.05 mg/L	0.002 mg/L	0.05 mg/L	0.05 mg/L	0.05 mg/L	10 mg/L
Post Carbon	09/02/10	0.533	0.105	<0.005	<0.005	0.119	0.197	<0.010	<0.005	<0.010	0.171	<0.005	<0.005	<0.0002	0.005	<0.020	<0.005	0.01
Post Carbon	09/10/10	<0.050	0.168	<0.005	<0.005	0.177	0.091	<0.050	<0.010	<0.010	0.243	<0.005	<0.010	<0.0002	<0.005	<0.020	<0.005	<0.005
Post Carbon	09/16/10	0.057	0.216	<0.005	0.005	0.044	0.101	<0.050	<0.010	<0.010	0.28	<0.005	<0.010	<0.0002	<0.005	<0.020	<0.005	0.01
Post Carbon	09/23/10	0.053	0.112	<0.005	<0.005	0.311	0.034	<0.050	<0.010	<0.010	0.194	<0.005	<0.010	<0.0002	<0.005	<0.020	<0.005	0.015
Post Carbon	11/17/11	<0.050	0.221	<0.005	<0.005	0.012	0.064	<0.050	<0.010	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.005
Post Carbon	12/31/12	0.304	0.086	<0.0100	<0.00500	0.053	<0.00500	<0.0500	<0.0100	<0.0100	0.245	<0.0100	<0.0100	<0.000200	<0.0100	<0.0200	<0.00500	0.014
Post Carbon*	01/31/13	0.304	0.021	<0.0100	1.09	8.13	0.021	<0.0500	0.042	<0.0100	0.103	<0.0100	<0.0100	<0.000200	0.13	<0.0200	<0.00500	0.589
Post Carbon**	01/31/13	<0.0100	0.0981	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.00500	0.00696	0.217	<0.00200	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	0.00659
Post Carbon	02/28/14	<0.0500	0.0270	<0.0100	<0.00500	0.415	0.104	<0.0500	<0.0100	<0.0100	0.249	<0.0100	<0.0100	<0.000200	<0.0100	<0.0200	<0.00500	<0.0100
Post Carbon	11/25/14	0.194	0.1020	<0.0100	0.109	0.994	0.053	<0.0500	<0.0100	0.0178	0.254	<0.0100	<0.0100	<0.000200	<0.0150	<0.0200	<0.00500	0.0914
Post Carbon	10/28/15	<0.0500	0.108	<0.0100	0.00500	0.203	0.0560	<0.0500	<0.0100	<0.0100	0.239	<0.00500	<0.0100	<0.000200	<0.0150	<0.0200	<0.00500	0.0140
Post Carbon	11/28/16	<0.0500	0.102	<0.0100	0.01990	0.257	0.0778	-	-	<0.0100	0.212	<0.00500	<0.00500	<0.000100	<0.0120	0.0101	<0.00400	<0.0100
Post Carbon	03/16/17	-	-	-	-	-	-	<0.0100	<0.0100	-	-	-	-	-	-	-	-	-
Post Carbon	11/30/17	<0.200	0.233	<0.0100	<0.0200	<0.200	0.210	<0.0100	<0.0100	<0.0100	0.296	<0.00500	<0.0100	<0.000200	<0.0100	<0.0200	<0.0200	<0.0150

TABLE 4

HISTORICAL NMWQCC METALS CONCENTRATIONS IN EFFLUENT GROUNDWATER
PLAINS MARKETING, L.P.
TNM 97-04 TOWNSEND
LEA COUNTY, NEW MEXICO
NMOC REFERENCE NUMBER GW-0294

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE																	
		Total Aluminum	Total Boron	Total Cobalt	Total Copper	Total Iron	Total Manganese	Total Molybdenum	Total Nickel	Total Arsenic	Total Barium	Total Cadmium	Total Chromium	Total Mercury	Total Lead	Total Selenium	Total Silver	Total Zinc
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		5.0 mg/L	0.75 mg/L	0.05 mg/L	1.0 mg/L	1.0 mg/L	0.2 mg/L	1.0 mg/L	0.2 mg/L	0.1 mg/L	1.0 mg/L	0.01 mg/L	0.05 mg/L	0.002 mg/L	0.05 mg/L	0.05 mg/L	0.05 mg/L	10 mg/L
Post Carbon***	12/15/17	-	-	-	-	-	0.0962	-	-	-	-	-	-	-	-	-	-	-
Post Carbon****	12/15/17	-	-	-	-	-	0.0714	-	-	-	-	-	-	-	-	-	-	-
Post Carbon**	10/30/18	0.0123	1.40	0.0012	0.0155	<0.200	0.637	0.0157	0.00441	0.00972	0.727	<0.00190	<0.00400	<0.000200	0.00242	<0.00200	<0.00200	0.0411
Pre Carbon****	11/27/18	-	0.166	-	-	-	0.0877	-	-	-	-	-	-	-	-	-	-	-
Pre Carbon***	11/27/18	-	0.163	-	-	-	0.0572	-	-	-	-	-	-	-	-	-	-	-
MW-10***	11/27/18	-	0.186	-	-	-	0.0372	-	-	-	-	-	-	-	-	-	-	-
MW-14***	11/27/18	-	0.147	-	-	-	0.332	-	-	-	-	-	-	-	-	-	-	-
Frac Tank***	11/27/18	-	0.152	-	-	-	0.110	-	-	-	-	-	-	-	-	-	-	-
Blank***	11/27/18	-	0.0416	-	-	-	<0.00800	-	-	-	-	-	-	-	-	-	-	-
Post***	04/22/19	-	0.234	<0.00800	0.0185	0.246	0.400	0.0411	<0.0080	<0.00800	0.159	<0.00800	<0.00800	<0.000250	0.0124	<0.00800	<0.00800	0.0175
Post (Rerun)***	04/22/19	0.111	0.196	-	-	-	0.408	-	-	-	-	-	-	-	-	-	<0.00500	0.0307
Post****	04/22/19	0.178	0.200	<0.00200	0.00478	0.121	0.384	0.0413	0.00271	0.00641	0.167	<0.000147	<0.00400	<0.0000263	<0.00200	<0.00200	<0.000251	<0.0300
Post-Carbon***	07/09/19	-	0.145	-	-	-	0.446	-	-	-	-	-	-	-	-	-	-	-
Pre-Aeration***	07/29/19	<0.0550	0.152	<0.00200	0.00327	1.02	0.167	<0.00200	<0.0060	0.0141	0.352	<0.00100	<0.00800	<0.000250	0.0272	0.00243	<0.00500	0.00237
Post Aeration***	07/29/19	<0.0550	0.149	<0.00200	0.00906	1.00	0.163	<0.00200	<0.0060	0.0146	0.345	<0.00100	<0.00800	<0.000250	0.0259	0.00221	<0.00500	0.0203
Pre-Carbon***	07/29/19	<0.0550	0.145	<0.00200	0.00324	0.546	0.160	0.00146	<0.0060	0.0138	0.335	<0.00100	<0.00800	<0.000250	0.0259	0.00287	<0.00500	0.0119
Post Carbon***	07/29/19	0.0794	0.123	<0.00200	0.00551	0.467	0.384	0.00272	<0.0060	0.0114	0.342	<0.00100	<0.00800	<0.000250	0.0246	0.00390	<0.00500	0.00831
Post Metals***	01/23/20	<0.0550	0.0651	<0.00200	0.00375	0.348	0.119	<0.00200	<0.0060	0.0157	0.245	<0.00100	<0.0910	<0.000250	<0.0110	0.0190	<0.00500	0.0173

*Sample analysis conducted by TraceAnalysis, Inc.

**Sample analysis conducted by ALS Environmental Laboratories.

TABLE 4

HISTORICAL NMWQCC METALS CONCENTRATIONS IN EFFLUENT GROUNDWATER
 PLAINS MARKETING, L.P.
 TNM 97-04 TOWNSEND
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE NUMBER GW-0294

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE																	
		Total Aluminum	Total Boron	Total Cobalt	Total Copper	Total Iron	Total Manganese	Total Molybdenum	Total Nickel	Total Arsenic	Total Barium	Total Cadmium	Total Chromium	Total Mercury	Total Lead	Total Selenium	Total Silver	Total Zinc
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		5.0 mg/L	0.75 mg/L	0.05 mg/L	1.0 mg/L	1.0 mg/L	0.2 mg/L	1.0 mg/L	0.2 mg/L	0.1 mg/L	1.0 mg/L	0.01 mg/L	0.05 mg/L	0.002 mg/L	0.05 mg/L	0.05 mg/L	0.05 mg/L	10 mg/L

***Sample analysis conducted by Permian Basin Environmental Lab L.P.

****Sample analysis conducted by Xenco Laboratories

TABLE 5

HISTORICAL BTEX CONCENTRATIONS IN EFFLUENT GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 TOWNSEND
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

Results and Regulatory Guidelines in mg/L

Sample Date	Sample Location	Benzene	Toluene	Ethylbenzene	Xylenes
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62
09/02/10	Post Carbon	<0.001	<0.001	<0.001	<0.001
09/10/10	Post Carbon	<0.001	<0.001	<0.001	<0.001
09/16/10	Post Carbon	<0.001	<0.001	<0.001	<0.001
09/23/10	Post Carbon	<0.001	<0.001	<0.001	<0.001
10/25/10	Post Carbon	<0.001	<0.001	<0.001	<0.001
11/23/10	Post Carbon	0.0047	<0.001	<0.001	<0.001
01/28/11	Post Carbon	<0.001	<0.001	<0.001	<0.001
02/28/11	Post Carbon	0.0319	0.037	0.0338	0.0992
03/18/11	Post Carbon	<0.001	<0.001	<0.001	<0.001
04/28/11	Post Carbon	<0.001	<0.001	<0.001	<0.001
07/13/11	Post Carbon	<0.001	<0.001	<0.001	<0.001
07/28/11	Post Carbon	<0.001	<0.001	<0.001	<0.001
08/16/11	Post Carbon	<0.001	<0.001	<0.001	<0.001
09/21/11	Post Carbon	<0.001	<0.001	<0.001	<0.001
10/27/11	Post Carbon	<0.001	<0.001	<0.001	<0.001
11/17/11	Post Carbon	<0.001	<0.001	<0.001	<0.001
01/26/12	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
02/28/12	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
03/29/12	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
05/24/12	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
08/03/12	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
12/31/12	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
01/31/13	Post Carbon*	<0.00100	<0.00100	<0.00100	<0.00100
02/27/13	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
03/28/13	Post Carbon**	0.114	0.0406	0.0059	0.059
04/12/13	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
06/24/13	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
07/29/13	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
08/29/13	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
09/25/13	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
10/30/13	Post Carbon	<0.00100	<0.00100	<0.00300	<0.00300
11/26/13	Post Carbon	0.00150	<0.00100	<0.00300	<0.00300
12/26/13	Post Carbon	<0.00100	<0.00100	<0.00300	<0.00300
01/31/14	Post Carbon	<0.00100	<0.00100	<0.00100	<0.003
02/28/14	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00300
03/26/14	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00300
04/30/14	Post Carbon***	0.733	0.141	0.0997	0.316
05/13/14	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00300
05/27/14	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00300
06/24/14	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00300

TABLE 5

HISTORICAL BTEX CONCENTRATIONS IN EFFLUENT GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 TOWNSEND
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

Results and Regulatory Guidelines in mg/L

Sample Date	Sample Location	Benzene	Toluene	Ethylbenzene	Xylenes
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62
07/28/14	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
08/27/14	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
09/30/14	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
10/29/14	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
11/25/14	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
12/17/14	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
03/25/15	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
06/30/15	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
07/27/15	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
08/24/15	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
09/08/15	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
09/23/15	Post Carbon****	0.03570	0.0035	0.0021	0.0117
09/29/15	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
10/28/15	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
11/19/15	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
01/20/16	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
02/29/16	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
03/28/16	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
04/27/16	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
05/24/16	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
06/28/16	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
07/25/16	Post Carbon	0.00430	<0.00100	<0.00100	0.00140
08/29/16	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
09/30/16	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
10/31/16	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
11/28/16	Post Carbon	<0.00200	<0.00200	<0.00200	<0.00200
01/24/17	Post Carbon	<0.00200	<0.00200	<0.00200	<0.00200
03/08/17	Post Carbon	<0.00200	<0.00150	<0.00200	<0.00200
03/30/17	Post Carbon	<0.00200	<0.00150	<0.00200	<0.00200
04/28/17	Post Carbon	<0.00200	<0.00150	<0.00200	<0.00200
05/30/17	Post Carbon	<0.00200	<0.00200	<0.00200	<0.00400
06/29/17	Post Carbon	<0.00200	<0.00200	<0.00200	<0.00400
07/31/17	Post Carbon	<0.00200	<0.00200	<0.00200	<0.00400
09/11/17	Post Carbon	<0.00200	<0.00200	<0.00200	<0.00400
09/27/17	Post Carbon	<0.00200	<0.00200	<0.00200	<0.00400
11/30/17	Post Carbon	<0.00200	<0.00200	<0.00200	<0.00400
12/28/17	Post Carbon	<0.00200	<0.00200	<0.00200	<0.00400
01/30/18	Post Carbon	<0.00200	<0.00200	<0.00200	<0.00400
02/27/18	Post Carbon	<0.00200	<0.00200	<0.00200	<0.00400
03/26/18	Post Carbon	<0.00200	<0.00200	<0.00200	<0.00400

TABLE 5

HISTORICAL BTEX CONCENTRATIONS IN EFFLUENT GROUNDWATER

PLAINS MARKETING, L.P.
 TNM 97-04 TOWNSEND
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE NUMBER GW-0294

Results and Regulatory Guidelines in mg/L

Sample Date	Sample Location	Benzene	Toluene	Ethylbenzene	Xylenes
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62
04/30/18	Post Carbon	<0.00200	<0.00200	<0.00200	<0.00400
06/04/18	Post Carbon	<0.00200	<0.00200	<0.00200	<0.00400
07/17/18	Post Carbon	<0.00200	<0.00200	<0.00200	<0.00400
10/30/18	Post Carbon	<0.00100	<0.0100	<0.00500	<0.0200
11/15/18	Post Carbon	<0.00100	<0.0100	<0.00500	<0.0200
04/01/19	Post Carbon	<0.00100	<0.0100	<0.0100	<0.00200
04/22/19	Post Carbon	<0.00100	<0.0100	<0.0100	<0.00200
07/09/19	Post Carbon	<0.00100	<0.0100	<0.0100	<0.00200

Samples were not collected in the months of April, June, July, September, October, and November of 2012 due to bad weather and/or repairs.

Samples were not collected in the months of April and May 2013 due to system maintenance and repairs.

*Resampled 12/31/12 Post Carbon sample due to WQCC Metal analytical results exceeding WQCC regulatory standards.

**Resampled 3/12/13 Post Carbon sample due to inconsistent analytical results, results likely due to field error.

***Resampled 5/13/14 Post Carbon sample due to inconsistent analytical results, results likely due to field error.

****Resampled 9/29/15 Post Carbon sample due to inconsistent analytical results, results likely due to field error.

Sample was not collected in the month of December 2016 due to system failure resulting from very cold temperature.

Samples were not collected in the months of May, August, September, and December 2018 due to system repairs.

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN EFFLUENT GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 TOWNSEND
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

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		---
Post Carbon	01/28/11	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188
Post Carbon	02/28/11	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190
Post Carbon	03/18/11	<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
Post Carbon	04/28/11	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Post Carbon	05/01/11	PAH Analysis not conducted - System inoperable due to mechanical issues																		
Post Carbon	06/01/11	PAH Analysis not conducted due to elevated BTEX concentrations																		
Post Carbon	07/13/11	PAH Analysis inadvertently not conducted																		
Post Carbon	07/28/11	PAH Analysis inadvertently not conducted																		
Post Carbon	08/16/11	<0.0002	<0.0002	<0.0002	0.000213	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.000216	<0.0002	<0.0002	<0.0002	0.000238	<0.0002	<0.0002	<0.0002	<0.0002
Post Carbon	09/21/11	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00101	0.00158	0.00102	<0.0002
Post Carbon	10/27/11	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Post Carbon	11/17/11	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
Post Carbon	01/26/12	<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
Post Carbon	02/28/12	<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
Post Carbon	03/29/12	<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
Post Carbon	05/24/12	<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
Post Carbon	08/03/12	<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
Post Carbon	12/31/12	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199
Post Carbon*	01/31/13	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199
Post Carbon	02/27/13	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201
Post Carbon	04/12/13	<0.000220	<0.000220	<0.000220	<0.000220	<0.000220	<0.000220	<0.000220	<0.000220	<0.000220	<0.000220	<0.000220	<0.000220	<0.000220	<0.000220	<0.000220	<0.000220	<0.000220	<0.000220	<0.000220
Post Carbon	06/24/13	<0.000211	<0.000211	<0.000211	<0.000211	<0.000211	<0.000211	<0.000211	<0.000211	<0.000211	<0.000211	<0.000211	<0.000211	<0.000211	<0.000211	<0.000211	<0.000211	<0.000211	<0.000211	<0.000211
Post Carbon	07/29/13	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201
Post Carbon	08/29/13	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN EFFLUENT GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 TOWNSEND
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

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[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		---	
Post Carbon	09/25/13	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	
Post Carbon	10/30/13	<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	
Post Carbon	11/26/13	<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	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	
Post Carbon	12/26/13	<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	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	
Post Carbon	01/31/14	<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	
Post Carbon	02/28/14	<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	
Post Carbon	03/26/14	<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	
Post Carbon**	05/13/14	<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	
Post Carbon	05/27/14	<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	
Post Carbon	06/24/14	PAH Analysis inadvertently not conducted																		
Post Carbon	07/28/14	<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	
Post Carbon	09/30/14	<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	
Post Carbon	10/29/14	<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	
Post Carbon	11/25/14	<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	
Post Carbon	12/17/14	<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	
Post Carbon	03/25/15	<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	
Post Carbon	06/30/15	<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	
Post Carbon	07/27/15	<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	
Post Carbon	09/23/15	<0.000202	<0.000202	<0.000202	<0.000202	<0.000202	<0.000202	<0.000202	<0.000202	<0.000202	<0.000202	<0.000202	<0.000202	<0.000202	<0.000202	<0.000202	<0.000202	<0.000202	<0.000202	
Post Carbon	09/29/15	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	
Post Carbon	10/28/15	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	
Post Carbon	11/19/15	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN EFFLUENT GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 TOWNSEND
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

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			---
Post Carbon***	01/20/16	<0.0000329	<0.0000575	<0.0000318	<0.0000714	<0.0000414	<0.0000703	<0.0000514	<0.0000555	<0.0000803	<0.0000556	<0.0000632	<0.0000780	<0.0000532	<0.0000511	<0.0000411	<0.0000649	<0.0000656	<0.0000511	<0.0000601
Post Carbon***	02/29/16	<0.0000330	<0.0000578	<0.0000319	<0.0000717	<0.0000416	<0.0000706	<0.0000516	<0.0000558	<0.0000807	<0.0000559	<0.0000635	<0.0000784	<0.0000534	<0.0000513	<0.0000413	<0.0000653	<0.0000660	<0.0000513	<0.0000604
Post Carbon***	03/28/16	<0.0000330	<0.0000578	<0.0000319	<0.0000717	<0.0000416	<0.0000706	<0.0000516	<0.0000558	<0.0000807	<0.0000559	<0.0000635	<0.0000784	<0.0000534	<0.0000513	<0.0000413	<0.0000653	<0.0000660	<0.0000513	<0.0000604
Post Carbon***	04/27/16	<0.0000330	<0.0000578	<0.0000319	<0.0000717	<0.0000416	<0.0000706	<0.0000516	<0.0000558	<0.0000807	<0.0000559	<0.0000635	<0.0000784	<0.0000534	<0.0000513	<0.0000413	<0.0000653	<0.0000660	<0.0000513	<0.0000604
Post Carbon***	05/24/16	<0.0000325	<0.0000569	<0.0000314	<0.0000706	<0.0000410	<0.0000696	<0.0000509	<0.0000550	<0.0000795	<0.0000551	<0.0000625	<0.0000772	<0.0000526	<0.0000506	<0.0000407	<0.0000643	<0.0000650	<0.0000506	<0.0000595
Post Carbon***	06/28/16	<0.0000315	<0.0000551	<0.0000304	<0.0000684	<0.0000396	<0.0000673	<0.0000492	<0.0000532	<0.0000769	<0.0000533	<0.0000605	<0.0000747	<0.0000509	<0.0000489	<0.0000393	<0.0000622	<0.0000628	<0.0000489	<0.0000575
Post Carbon***	07/25/16	<0.0000324	<0.0000567	<0.0000313	<0.0000704	<0.0000408	<0.0000693	<0.0000506	<0.0000548	<0.0000792	<0.0000548	<0.0000623	<0.0000769	<0.0000524	<0.0000504	<0.0000405	<0.0000640	<0.0000647	<0.0000504	<0.0000592
Post Carbon***	08/29/16	<0.0000307	<0.0000538	<0.0000297	<0.0000668	<0.0000387	<0.0000657	<0.0000480	<0.0000519	<0.0000751	<0.0000520	<0.0000591	<0.0000730	<0.0000497	<0.0000478	<0.0000384	<0.0000607	<0.0000614	<0.0000478	<0.0000562
Post Carbon***	09/30/16	<0.0000325	<0.0000569	<0.0000314	<0.0000706	<0.0000410	<0.0000696	<0.0000509	<0.0000550	<0.0000795	<0.0000551	0.000131	<0.0000772	<0.0000526	<0.0000506	0.000182	<0.0000643	0.000114	0.000219	<0.0000595
Post Carbon***	10/31/16	<0.0000306	<0.0000536	<0.0000296	<0.0000665	<0.0000385	<0.0000655	<0.0000478	<0.0000517	<0.0000748	<0.0000518	<0.0000588	<0.0000726	<0.0000495	<0.0000476	0.000130	<0.0000605	0.0000991	0.000186	<0.0000560
Post Carbon	11/28/16	<0.000288	<0.000288	<0.000288	<0.000288	<0.000288	<0.000288	<0.000288	<0.000288	<0.000288	<0.000288	<0.000288	<0.000288	<0.000288	<0.000288	<0.000288	<0.000288	<0.000288	<0.000288	<0.000228
Post Carbon	01/24/17	<0.000278	<0.000278	<0.000278	<0.000278	<0.000278	<0.000278	<0.000278	<0.000278	<0.000278	<0.000278	<0.000278	<0.000278	<0.000278	<0.000278	<0.000278		<0.000278		<0.000278
Post Carbon	03/08/17	<0.000273	<0.000273	<0.000273	<0.000273	<0.000273	<0.000273	<0.000273	<0.000273	<0.000273	<0.000273	<0.000273	<0.000273	<0.000273	<0.000273	<0.000273		<0.000273		<0.000273
Post Carbon	03/30/17	PAH Analysis not conducted due to laboratory error																		
Post Carbon	04/28/17	PAH Analysis inadvertently not conducted																		
Post Carbon	05/30/17	<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		<0.000369		<0.000185
Post Carbon	06/29/17	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187		<0.000375		<0.000187
Post Carbon	07/31/17	<0.000182	<0.000182	<0.000182	<0.000182	<0.000182	<0.000182	<0.000182	<0.000182	<0.000182	<0.000182	<0.000182	<0.000182	<0.000182	<0.000182	<0.000182		<0.000364		<0.000182
Post Carbon	09/11/17	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108		0.000699		<0.000108
Post Carbon	09/27/17	<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		<0.000369		<0.000185
Post Carbon	11/30/17	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181		0.000200		<0.000181

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN EFFLUENT GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 TOWNSEND
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

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[ghi]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		---	
Post Carbon	12/28/17	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000362		<0.000181	
Post Carbon	01/30/18	PAH Analysis not conducted due to laboratory error																		
Post Carbon	02/27/18	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109		<0.000109	
Post Carbon	03/26/18	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110		<0.000110	
Post Carbon	04/30/18	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	0.000534		<0.000110	
Post Carbon	06/04/08	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110		<0.000110	
Post Carbon	07/18/18	<0.000109	<0.000109	0.000111	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	0.000137	<0.000109	0.000417	<0.000109	0.000332		0.000187	
Post Carbon	10/30/18	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011		<0.00011	
Post Carbon	11/15/18	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010		<0.00010	
Post Carbon	04/01/19	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010		<0.00010	
Post Carbon	07/09/19	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010		<0.00010	

Samples were not taken in the months of April, June, July, September, October, and November of 2012 due to bad weather and/or repairs.

*Resampled Post Carbon due to WQCC Metal sample results of 12/31/12 exceeding WQCC standards.

**Resampled Post Carbon sample due to inconsistent analytical results of 4/30/14, likely due to field error.

2019 Laboratory Reports

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Curt Stanley
TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland, TX 79705

Project: TNM 97-04
Project Number: TNM 97-04
Location: Lovington, New Mexico
Lab Order Number: 9B20002



NELAP/TCEQ # T104704516-18-9

Report Date: 02/27/19

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW 13	9B20002-01	Water	02/18/19 12:01	02-20-2019 09:49
MW 18	9B20002-02	Water	02/18/19 12:17	02-20-2019 09:49
MW 15	9B20002-03	Water	02/18/19 12:51	02-20-2019 09:49
MW 14	9B20002-04	Water	02/18/19 13:19	02-20-2019 09:49
MW 4	9B20002-05	Water	02/18/19 13:38	02-20-2019 09:49
MW 9	9B20002-06	Water	02/18/19 14:41	02-20-2019 09:49

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

MW 13
9B20002-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P9B2510	02/25/19	02/26/19	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P9B2510	02/25/19	02/26/19	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P9B2510	02/25/19	02/26/19	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P9B2510	02/25/19	02/26/19	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P9B2510	02/25/19	02/26/19	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		92.1 %		80-120	P9B2510	02/25/19	02/26/19	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		74.3 %		80-120	P9B2510	02/25/19	02/26/19	EPA 8021B	S-09

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

MW 18
9B20002-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P9B2510	02/25/19	02/26/19	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P9B2510	02/25/19	02/26/19	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P9B2510	02/25/19	02/26/19	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P9B2510	02/25/19	02/26/19	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P9B2510	02/25/19	02/26/19	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		95.7 %	80-120		P9B2510	02/25/19	02/26/19	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		75.5 %	80-120		P9B2510	02/25/19	02/26/19	EPA 8021B	S-09

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

MW 15
9B20002-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P9B2510	02/25/19	02/26/19	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P9B2510	02/25/19	02/26/19	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P9B2510	02/25/19	02/26/19	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P9B2510	02/25/19	02/26/19	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P9B2510	02/25/19	02/26/19	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		99.1 %	80-120		P9B2510	02/25/19	02/26/19	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		79.9 %	80-120		P9B2510	02/25/19	02/26/19	EPA 8021B	S-09

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

MW 14
9B20002-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P9B2510	02/25/19	02/26/19	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P9B2510	02/25/19	02/26/19	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P9B2510	02/25/19	02/26/19	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P9B2510	02/25/19	02/26/19	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P9B2510	02/25/19	02/26/19	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		99.5 %	80-120		P9B2510	02/25/19	02/26/19	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		80.9 %	80-120		P9B2510	02/25/19	02/26/19	EPA 8021B	

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

MW 4

9B20002-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	0.0987	0.00500	mg/L	5	P9B2510	02/25/19	02/26/19	EPA 8021B	
Toluene	0.0218	0.00500	mg/L	5	P9B2510	02/25/19	02/26/19	EPA 8021B	
Ethylbenzene	0.254	0.00500	mg/L	5	P9B2510	02/25/19	02/26/19	EPA 8021B	
Xylene (p/m)	0.586	0.0100	mg/L	5	P9B2510	02/25/19	02/26/19	EPA 8021B	
Xylene (o)	0.132	0.00500	mg/L	5	P9B2510	02/25/19	02/26/19	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>80.6 %</i>	<i>80-120</i>		<i>P9B2510</i>	<i>02/25/19</i>	<i>02/26/19</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>		<i>83.6 %</i>	<i>80-120</i>		<i>P9B2510</i>	<i>02/25/19</i>	<i>02/26/19</i>	<i>EPA 8021B</i>	

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

MW 9

9B20002-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	0.00893	0.00100	mg/L	1	P9B2510	02/25/19	02/26/19	EPA 8021B	
Toluene	0.0254	0.00100	mg/L	1	P9B2510	02/25/19	02/26/19	EPA 8021B	
Ethylbenzene	0.0608	0.00100	mg/L	1	P9B2510	02/25/19	02/26/19	EPA 8021B	
Xylene (p/m)	0.114	0.00200	mg/L	1	P9B2510	02/25/19	02/26/19	EPA 8021B	
Xylene (o)	0.0737	0.00100	mg/L	1	P9B2510	02/25/19	02/26/19	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		96.2 %	80-120		P9B2510	02/25/19	02/26/19	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		83.8 %	80-120		P9B2510	02/25/19	02/26/19	EPA 8021B	

TRC Solutions- Midland, Texas
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Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

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Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9B2510 - General Preparation (GC)

Blank (P9B2510-BLK1)		Prepared: 02/25/19 Analyzed: 02/26/19								
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0577</i>		<i>"</i>	<i>0.0600</i>		<i>96.1</i>	<i>80-120</i>			
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>0.0467</i>		<i>"</i>	<i>0.0600</i>		<i>77.8</i>	<i>80-120</i>			<i>S-09</i>

LCS (P9B2510-BS1)		Prepared: 02/25/19 Analyzed: 02/26/19								
Benzene	0.113	0.00100	mg/L	0.100		113	80-120			
Toluene	0.106	0.00100	"	0.100		106	80-120			
Ethylbenzene	0.112	0.00100	"	0.100		112	80-120			
Xylene (p/m)	0.195	0.00200	"	0.200		97.5	80-120			
Xylene (o)	0.119	0.00100	"	0.100		119	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0631</i>		<i>"</i>	<i>0.0600</i>		<i>105</i>	<i>80-120</i>			
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>0.0627</i>		<i>"</i>	<i>0.0600</i>		<i>105</i>	<i>80-120</i>			

LCS Dup (P9B2510-BSD1)		Prepared: 02/25/19 Analyzed: 02/26/19								
Benzene	0.117	0.00100	mg/L	0.100		117	80-120	3.97	20	
Toluene	0.112	0.00100	"	0.100		112	80-120	5.24	20	
Ethylbenzene	0.117	0.00100	"	0.100		117	80-120	3.99	20	
Xylene (p/m)	0.206	0.00200	"	0.200		103	80-120	5.70	20	
Xylene (o)	0.114	0.00100	"	0.100		114	80-120	4.15	20	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0605</i>		<i>"</i>	<i>0.0600</i>		<i>101</i>	<i>80-120</i>			
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>0.0630</i>		<i>"</i>	<i>0.0600</i>		<i>105</i>	<i>80-120</i>			

Calibration Blank (P9B2510-CCB1)		Prepared: 02/25/19 Analyzed: 02/26/19								
Benzene	0.00		mg/L							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0617</i>		<i>"</i>	<i>0.0600</i>		<i>103</i>	<i>80-120</i>			
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>0.0480</i>		<i>"</i>	<i>0.0600</i>		<i>80.0</i>	<i>80-120</i>			

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9B2510 - General Preparation (GC)

Calibration Blank (P9B2510-CCB2)

Prepared: 02/25/19 Analyzed: 02/26/19

Benzene	0.00		mg/L							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.0605		"	0.0600		101	80-120			
Surrogate: 1,4-Difluorobenzene	0.0484		"	0.0600		80.7	80-120			

Calibration Check (P9B2510-CCV1)

Prepared & Analyzed: 02/25/19

Benzene	0.106	0.00100	mg/L	0.100		106	80-120			
Toluene	0.104	0.00100	"	0.100		104	80-120			
Ethylbenzene	0.117	0.00100	"	0.100		117	80-120			
Xylene (p/m)	0.188	0.00200	"	0.200		93.8	80-120			
Xylene (o)	0.116	0.00100	"	0.100		116	80-120			
Surrogate: 4-Bromofluorobenzene	0.0606		"	0.0600		101	80-120			
Surrogate: 1,4-Difluorobenzene	0.0631		"	0.0600		105	80-120			

Calibration Check (P9B2510-CCV2)

Prepared: 02/25/19 Analyzed: 02/26/19

Benzene	0.118	0.00100	mg/L	0.100		118	80-120			
Toluene	0.111	0.00100	"	0.100		111	80-120			
Ethylbenzene	0.120	0.00100	"	0.100		120	80-120			
Xylene (p/m)	0.209	0.00200	"	0.200		105	80-120			
Xylene (o)	0.116	0.00100	"	0.100		116	80-120			
Surrogate: 4-Bromofluorobenzene	0.0603		"	0.0600		100	80-120			
Surrogate: 1,4-Difluorobenzene	0.0631		"	0.0600		105	80-120			

Calibration Check (P9B2510-CCV3)

Prepared: 02/25/19 Analyzed: 02/26/19

Benzene	0.113	0.00100	mg/L	0.100		113	80-120			
Toluene	0.110	0.00100	"	0.100		110	80-120			
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120			
Xylene (p/m)	0.207	0.00200	"	0.200		104	80-120			
Xylene (o)	0.120	0.00100	"	0.100		120	80-120			
Surrogate: 4-Bromofluorobenzene	0.0570		"	0.0600		94.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.0611		"	0.0600		102	80-120			

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Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9B2510 - General Preparation (GC)

Matrix Spike (P9B2510-MS1)

Source: 9B20002-04

Prepared: 02/25/19 Analyzed: 02/26/19

Benzene	0.118	0.00100	mg/L	0.100	ND	118	80-120
Toluene	0.114	0.00100	"	0.100	ND	114	80-120
Ethylbenzene	0.119	0.00100	"	0.100	ND	119	80-120
Xylene (p/m)	0.212	0.00200	"	0.200	ND	106	80-120
Xylene (o)	0.115	0.00100	"	0.100	ND	115	80-120
Surrogate: 4-Bromofluorobenzene	0.0668		"	0.0600		111	80-120
Surrogate: 1,4-Difluorobenzene	0.0644		"	0.0600		107	80-120

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Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Notes and Definitions

S-09 Surrogate recovery limits have been exceeded.
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
LCS Laboratory Control Spike
MS Matrix Spike
Dup Duplicate

Report Approved By:



Date:

2/27/2019

Brent Barron, Laboratory Director/Technical Director

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If you have received this material in error, please notify us immediately at 432-686-7235.

Project Name:	TNm 97-04
Project #:	TNm 97-04

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Curt Stanley
TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland, TX 79705

Project: 97-04
Project Number: TNM 97-04
Location: Lea County, NM
Lab Order Number: 9E15004



NELAP/TCEQ # T104704516-18-9

Report Date: 05/30/19

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW13	9E15004-01	Water	05/14/19 11:15	05-15-2019 08:33
MW18	9E15004-02	Water	05/14/19 11:43	05-15-2019 08:33
MW15	9E15004-03	Water	05/14/19 11:51	05-15-2019 08:33
MW14	9E15004-04	Water	05/14/19 12:17	05-15-2019 08:33
MW9	9E15004-05	Water	05/14/19 12:51	05-15-2019 08:33
MW4	9E15004-06	Water	05/14/19 13:09	05-15-2019 08:33

TRC Solutions- Midland, Texas
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Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

MW13
9E15004-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P9E2401	05/24/19	05/24/19	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P9E2401	05/24/19	05/24/19	EPA 8021B
Ethylbenzene	ND	0.00100	mg/L	1	P9E2401	05/24/19	05/24/19	EPA 8021B
Xylene (p/m)	ND	0.00200	mg/L	1	P9E2401	05/24/19	05/24/19	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P9E2401	05/24/19	05/24/19	EPA 8021B
Surrogate: 4-Bromofluorobenzene		109 %	80-120		P9E2401	05/24/19	05/24/19	EPA 8021B
Surrogate: 1,4-Difluorobenzene		97.8 %	80-120		P9E2401	05/24/19	05/24/19	EPA 8021B

TRC Solutions- Midland, Texas
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Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

MW18
9E15004-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P9E2401	05/24/19	05/24/19	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P9E2401	05/24/19	05/24/19	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P9E2401	05/24/19	05/24/19	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P9E2401	05/24/19	05/24/19	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P9E2401	05/24/19	05/24/19	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		98.2 %	80-120		P9E2401	05/24/19	05/24/19	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		98.4 %	80-120		P9E2401	05/24/19	05/24/19	EPA 8021B	

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Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

MW15
9E15004-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P9E2401	05/24/19	05/24/19	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P9E2401	05/24/19	05/24/19	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P9E2401	05/24/19	05/24/19	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P9E2401	05/24/19	05/24/19	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P9E2401	05/24/19	05/24/19	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		101 %	80-120		P9E2401	05/24/19	05/24/19	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		92.2 %	80-120		P9E2401	05/24/19	05/24/19	EPA 8021B	

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Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

MW14
9E15004-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P9E2401	05/24/19	05/24/19	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P9E2401	05/24/19	05/24/19	EPA 8021B
Ethylbenzene	ND	0.00100	mg/L	1	P9E2401	05/24/19	05/24/19	EPA 8021B
Xylene (p/m)	ND	0.00200	mg/L	1	P9E2401	05/24/19	05/24/19	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P9E2401	05/24/19	05/24/19	EPA 8021B
Surrogate: 4-Bromofluorobenzene		90.7 %	80-120		P9E2401	05/24/19	05/24/19	EPA 8021B
Surrogate: 1,4-Difluorobenzene		95.0 %	80-120		P9E2401	05/24/19	05/24/19	EPA 8021B

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Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

MW9

9E15004-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	0.0239	0.00100	mg/L	1	P9E2401	05/24/19	05/24/19	EPA 8021B
Toluene	0.0786	0.00100	mg/L	1	P9E2401	05/24/19	05/24/19	EPA 8021B
Ethylbenzene	0.119	0.00100	mg/L	1	P9E2401	05/24/19	05/24/19	EPA 8021B
Xylene (p/m)	0.205	0.00200	mg/L	1	P9E2401	05/24/19	05/24/19	EPA 8021B
Xylene (o)	0.145	0.00100	mg/L	1	P9E2401	05/24/19	05/24/19	EPA 8021B
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>101 %</i>	<i>80-120</i>		<i>P9E2401</i>	<i>05/24/19</i>	<i>05/24/19</i>	<i>EPA 8021B</i>
<i>Surrogate: 1,4-Difluorobenzene</i>		<i>87.0 %</i>	<i>80-120</i>		<i>P9E2401</i>	<i>05/24/19</i>	<i>05/24/19</i>	<i>EPA 8021B</i>

TRC Solutions- Midland, Texas
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Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

MW4

9E15004-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	0.0604	0.00100	mg/L	1	P9E2401	05/24/19	05/24/19	EPA 8021B	
Toluene	0.0315	0.00100	mg/L	1	P9E2401	05/24/19	05/24/19	EPA 8021B	
Ethylbenzene	0.117	0.00100	mg/L	1	P9E2401	05/24/19	05/24/19	EPA 8021B	
Xylene (p/m)	0.230	0.00200	mg/L	1	P9E2401	05/24/19	05/24/19	EPA 8021B	
Xylene (o)	0.118	0.00100	mg/L	1	P9E2401	05/24/19	05/24/19	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		76.2 %		80-120	P9E2401	05/24/19	05/24/19	EPA 8021B	S-GC
<i>Surrogate: 1,4-Difluorobenzene</i>		99.9 %		80-120	P9E2401	05/24/19	05/24/19	EPA 8021B	

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9E2401 - General Preparation (GC)

Blank (P9E2401-BLK1)

Prepared & Analyzed: 05/24/19

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.0614		"	0.0600		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.0529		"	0.0600		88.2	80-120			

LCS (P9E2401-BS1)

Prepared & Analyzed: 05/24/19

Benzene	0.110	0.00100	mg/L	0.100		110	80-120			
Toluene	0.111	0.00100	"	0.100		111	80-120			
Ethylbenzene	0.103	0.00100	"	0.100		103	80-120			
Xylene (p/m)	0.190	0.00200	"	0.200		95.1	80-120			
Xylene (o)	0.106	0.00100	"	0.100		106	80-120			
Surrogate: 4-Bromofluorobenzene	0.0689		"	0.0600		115	80-120			
Surrogate: 1,4-Difluorobenzene	0.0625		"	0.0600		104	80-120			

LCS Dup (P9E2401-BSD1)

Prepared & Analyzed: 05/24/19

Benzene	0.108	0.00100	mg/L	0.100		108	80-120	1.55	20	
Toluene	0.111	0.00100	"	0.100		111	80-120	0.198	20	
Ethylbenzene	0.111	0.00100	"	0.100		111	80-120	7.07	20	
Xylene (p/m)	0.188	0.00200	"	0.200		93.9	80-120	1.25	20	
Xylene (o)	0.107	0.00100	"	0.100		107	80-120	1.35	20	
Surrogate: 4-Bromofluorobenzene	0.0684		"	0.0600		114	80-120			
Surrogate: 1,4-Difluorobenzene	0.0682		"	0.0600		114	80-120			

Calibration Blank (P9E2401-CCB2)

Prepared & Analyzed: 05/24/19

Benzene	0.00		mg/L							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.0680		"	0.0600		113	80-120			
Surrogate: 1,4-Difluorobenzene	0.0659		"	0.0600		110	80-120			

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10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9E2401 - General Preparation (GC)

Calibration Check (P9E2401-CCV1)

Prepared & Analyzed: 05/24/19

Benzene	0.101	0.00100	mg/L				80-120			
Toluene	0.102	0.00100	"				80-120			
Ethylbenzene	0.0980	0.00100	"				80-120			
Xylene (p/m)	0.177	0.00200	"				80-120			
Xylene (o)	0.0968	0.00100	"				80-120			
Surrogate: 4-Bromofluorobenzene	0.0647		"	0.0600		108	80-120			
Surrogate: 1,4-Difluorobenzene	0.0634		"	0.0600		106	80-120			

Calibration Check (P9E2401-CCV2)

Prepared & Analyzed: 05/24/19

Benzene	0.103	0.00100	mg/L				80-120			
Toluene	0.102	0.00100	"				80-120			
Ethylbenzene	0.100	0.00100	"				80-120			
Xylene (p/m)	0.169	0.00200	"				80-120			
Xylene (o)	0.100	0.00100	"				80-120			
Surrogate: 4-Bromofluorobenzene	0.0716		"	0.0600		119	80-120			
Surrogate: 1,4-Difluorobenzene	0.0691		"	0.0600		115	80-120			

Calibration Check (P9E2401-CCV3)

Prepared & Analyzed: 05/24/19

Benzene	0.0948	0.00100	mg/L				80-120			
Toluene	0.0940	0.00100	"				80-120			
Ethylbenzene	0.0930	0.00100	"				80-120			
Xylene (p/m)	0.167	0.00200	"				80-120			
Xylene (o)	0.0925	0.00100	"				80-120			
Surrogate: 4-Bromofluorobenzene	0.0702		"	0.0600		117	80-120			
Surrogate: 1,4-Difluorobenzene	0.0612		"	0.0600		102	80-120			

Matrix Spike (P9E2401-MS1)

Source: 9E23003-01

Prepared & Analyzed: 05/24/19

Benzene	0.129	0.00100	mg/L	0.100	ND	129	80-120			QM-07
Toluene	0.127	0.00100	"	0.100	ND	127	80-120			QM-07
Ethylbenzene	0.123	0.00100	"	0.100	ND	123	80-120			QM-07
Xylene (p/m)	0.205	0.00200	"	0.200	ND	103	80-120			
Xylene (o)	0.120	0.00100	"	0.100	ND	120	80-120			
Surrogate: 4-Bromofluorobenzene	0.0692		"	0.0600		115	80-120			
Surrogate: 1,4-Difluorobenzene	0.0637		"	0.0600		106	80-120			

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9E2401 - General Preparation (GC)

Matrix Spike Dup (P9E2401-MSD1)

Source: 9E23003-01

Prepared & Analyzed: 05/24/19

Benzene	0.118	0.00100	mg/L	0.100	ND	118	80-120	9.06	20	
Toluene	0.117	0.00100	"	0.100	ND	117	80-120	7.96	20	
Ethylbenzene	0.119	0.00100	"	0.100	ND	119	80-120	3.44	20	
Xylene (p/m)	0.189	0.00200	"	0.200	ND	94.4	80-120	8.36	20	
Xylene (o)	0.112	0.00100	"	0.100	ND	112	80-120	6.80	20	
Surrogate: 4-Bromofluorobenzene	0.0672		"	0.0600		112	80-120			
Surrogate: 1,4-Difluorobenzene	0.0622		"	0.0600		104	80-120			

Notes and Definitions

S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
ROI	Received on Ice
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By:



Date:

5/30/2019

Brent Barron, Laboratory Director/Technical Director

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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
10014 S. County Road 1213
Midland, Texas 79706

Phone: 432-686-7235

Project Name: 97-04

Project #: TWM 97-04

Project Loc: Lee County, NM

Project Manager: Curt Stanley

Company Name: TPC

Company Address: 16 Dextra Drive Suite 150 E

City/State/Zip: Midland TX 79705

Telephone No: 432-520-2270

Fax No:

Sampler Signature: Jeremy Beath

e-mail:

Report Format: ☐ Standard ☐ TRRP ☐ NPDES

PO #:

ORDER # 9715004

LAB # (lab use only)		FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Ice	HNO ₃	HCl	H ₂ SO ₄	NaOH	Na ₂ S ₂ O ₃	None	Other (Specify)	DW=Drinking Water SL=Sludge GW = Groundwater S=Sol/Solid NP=Non-Potable Specify Other	TPH: TX 1005 TX 1006	Anions (Cl, SO ₄ , Alkalinity)	BTEX 8021B/5030 or BTEX 8280											RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1		MW 13			5/14	1115		3	X								GW															
2		MW 18			5/14	1143		3	X	X							GW															
3		MW 15			5/14	1151		3	X	X							GW															
4		MW 14			5/14	1217		3	X	X							GW															
5		MW 9			5/14	1251		3	X	X							GW															
6		MW 4			5/14	1309		3	X	X							GW															
																										</						

Special Instructions:

Relinquished by: <u>Jeremy Beath</u>	Date: <u>5/15</u>	Time: <u>0833</u>	Received by: <u>Anna Blodine</u>	Date: <u>5/15/19</u>	Time: <u>8.33</u>
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

Laboratory Comments: Sample Containers Intact? ☒ VOCs Free of Headspace? ☒ Labels on containers? ☒ Custody seals on containers? ☒ Sample Hand Delivered ☒ by Courier? ☒ by Sampler/Clerk Rep.? ☒ Temperature Upon Receipt: 5.4 °C ☒ Adjusted: 6.1 °C

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Curt Stanley
TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland, TX 79705

Project: 97-04
Project Number: TNM 97-04
Location: Lovington, NM
Lab Order Number: 9H20017



NELAP/TCEQ # T104704516-18-9

Report Date: 08/29/19

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW13	9H20017-01	Water	08/19/19 10:43	08-20-2019 14:07
MW18	9H20017-02	Water	08/19/19 11:03	08-20-2019 14:07
MW15	9H20017-03	Water	08/19/19 11:28	08-20-2019 14:07
MW14	9H20017-04	Water	08/19/19 11:53	08-20-2019 14:07
MW9	9H20017-05	Water	08/19/19 13:00	08-20-2019 14:07
MW4	9H20017-06	Water	08/19/19 13:42	08-20-2019 14:07

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

MW13
9H20017-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P9H2701	08/27/19	08/27/19	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P9H2701	08/27/19	08/27/19	EPA 8021B
Ethylbenzene	ND	0.00100	mg/L	1	P9H2701	08/27/19	08/27/19	EPA 8021B
Xylene (p/m)	ND	0.00200	mg/L	1	P9H2701	08/27/19	08/27/19	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P9H2701	08/27/19	08/27/19	EPA 8021B
Surrogate: 4-Bromofluorobenzene		92.0 %		80-120	P9H2701	08/27/19	08/27/19	EPA 8021B
Surrogate: 1,4-Difluorobenzene		94.5 %		80-120	P9H2701	08/27/19	08/27/19	EPA 8021B

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Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

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MW18
9H20017-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P9H2701	08/27/19	08/27/19	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P9H2701	08/27/19	08/27/19	EPA 8021B
Ethylbenzene	ND	0.00100	mg/L	1	P9H2701	08/27/19	08/27/19	EPA 8021B
Xylene (p/m)	ND	0.00200	mg/L	1	P9H2701	08/27/19	08/27/19	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P9H2701	08/27/19	08/27/19	EPA 8021B
Surrogate: 4-Bromofluorobenzene		95.5 %	80-120		P9H2701	08/27/19	08/27/19	EPA 8021B
Surrogate: 1,4-Difluorobenzene		83.2 %	80-120		P9H2701	08/27/19	08/27/19	EPA 8021B

TRC Solutions- Midland, Texas
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Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

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MW15
9H20017-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P9H2701	08/27/19	08/27/19	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P9H2701	08/27/19	08/27/19	EPA 8021B
Ethylbenzene	ND	0.00100	mg/L	1	P9H2701	08/27/19	08/27/19	EPA 8021B
Xylene (p/m)	ND	0.00200	mg/L	1	P9H2701	08/27/19	08/27/19	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P9H2701	08/27/19	08/27/19	EPA 8021B
Surrogate: 4-Bromofluorobenzene		120 %	80-120		P9H2701	08/27/19	08/27/19	EPA 8021B
Surrogate: 1,4-Difluorobenzene		97.6 %	80-120		P9H2701	08/27/19	08/27/19	EPA 8021B

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Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

MW14
9H20017-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P9H2701	08/27/19	08/27/19	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P9H2701	08/27/19	08/27/19	EPA 8021B
Ethylbenzene	ND	0.00100	mg/L	1	P9H2701	08/27/19	08/27/19	EPA 8021B
Xylene (p/m)	ND	0.00200	mg/L	1	P9H2701	08/27/19	08/27/19	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P9H2701	08/27/19	08/27/19	EPA 8021B
Surrogate: 4-Bromofluorobenzene		119 %	80-120		P9H2701	08/27/19	08/27/19	EPA 8021B
Surrogate: 1,4-Difluorobenzene		93.2 %	80-120		P9H2701	08/27/19	08/27/19	EPA 8021B

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

MW9

9H20017-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	0.00796	0.00100	mg/L	1	P9H2701	08/27/19	08/27/19	EPA 8021B
Toluene	0.0224	0.00100	mg/L	1	P9H2701	08/27/19	08/27/19	EPA 8021B
Ethylbenzene	0.0565	0.00100	mg/L	1	P9H2701	08/27/19	08/27/19	EPA 8021B
Xylene (p/m)	0.116	0.00200	mg/L	1	P9H2701	08/27/19	08/27/19	EPA 8021B
Xylene (o)	0.105	0.00100	mg/L	1	P9H2701	08/27/19	08/27/19	EPA 8021B
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>118 %</i>	<i>80-120</i>		<i>P9H2701</i>	<i>08/27/19</i>	<i>08/27/19</i>	<i>EPA 8021B</i>
<i>Surrogate: 1,4-Difluorobenzene</i>		<i>89.6 %</i>	<i>80-120</i>		<i>P9H2701</i>	<i>08/27/19</i>	<i>08/27/19</i>	<i>EPA 8021B</i>

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

MW4

9H20017-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	0.0436	0.00100	mg/L	1	P9H2701	08/27/19	08/27/19	EPA 8021B	
Toluene	0.0385	0.00100	mg/L	1	P9H2701	08/27/19	08/27/19	EPA 8021B	
Ethylbenzene	0.141	0.00100	mg/L	1	P9H2701	08/27/19	08/27/19	EPA 8021B	
Xylene (p/m)	0.229	0.00200	mg/L	1	P9H2701	08/27/19	08/27/19	EPA 8021B	
Xylene (o)	0.0958	0.00100	mg/L	1	P9H2701	08/27/19	08/27/19	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		95.7 %		80-120	P9H2701	08/27/19	08/27/19	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		75.1 %		80-120	P9H2701	08/27/19	08/27/19	EPA 8021B	S-GC

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9H2701 - General Preparation (GC)

Blank (P9H2701-BLK1)

Prepared & Analyzed: 08/27/19

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.103		"	0.120		86.1	80-120			

LCS (P9H2701-BS1)

Prepared & Analyzed: 08/27/19

Benzene	0.0990	0.00100	mg/L	0.100		99.0	80-120			
Toluene	0.107	0.00100	"	0.100		107	80-120			
Ethylbenzene	0.110	0.00100	"	0.100		110	80-120			
Xylene (p/m)	0.223	0.00200	"	0.200		112	80-120			
Xylene (o)	0.118	0.00100	"	0.100		118	80-120			
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		99.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		101	80-120			

LCS Dup (P9H2701-BSD1)

Prepared & Analyzed: 08/27/19

Benzene	0.101	0.00100	mg/L	0.100		101	80-120	1.50	20	
Toluene	0.117	0.00100	"	0.100		117	80-120	9.36	20	
Ethylbenzene	0.118	0.00100	"	0.100		118	80-120	6.81	20	
Xylene (p/m)	0.228	0.00200	"	0.200		114	80-120	1.97	20	
Xylene (o)	0.118	0.00100	"	0.100		118	80-120	0.686	20	
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		104	80-120			
Surrogate: 1,4-Difluorobenzene	0.133		"	0.120		111	80-120			

Calibration Blank (P9H2701-CCB1)

Prepared & Analyzed: 08/27/19

Benzene	0.00		mg/L							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.103		"	0.120		85.5	80-120			
Surrogate: 1,4-Difluorobenzene	0.0984		"	0.120		82.0	80-120			

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9H2701 - General Preparation (GC)

Calibration Blank (P9H2701-CCB2)

Prepared & Analyzed: 08/27/19

Benzene	0.00		mg/L							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.128		"	0.120		107	80-120			
Surrogate: 1,4-Difluorobenzene	0.0998		"	0.120		83.1	80-120			

Calibration Blank (P9H2701-CCB3)

Prepared & Analyzed: 08/27/19

Benzene	0.00		mg/L							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.137		"	0.120		114	80-120			
Surrogate: 1,4-Difluorobenzene	0.106		"	0.120		88.4	80-120			

Calibration Check (P9H2701-CCV1)

Prepared & Analyzed: 08/27/19

Benzene	0.0914	0.00100	mg/L	0.100		91.4	80-120			
Toluene	0.0928	0.00100	"	0.100		92.8	80-120			
Ethylbenzene	0.103	0.00100	"	0.100		103	80-120			
Xylene (p/m)	0.191	0.00200	"	0.200		95.6	80-120			
Xylene (o)	0.0977	0.00100	"	0.100		97.7	80-120			
Surrogate: 4-Bromofluorobenzene	0.114		"	0.120		94.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.8	80-120			

Calibration Check (P9H2701-CCV2)

Prepared & Analyzed: 08/27/19

Benzene	0.100	0.00100	mg/L	0.100		100	80-120			
Toluene	0.107	0.00100	"	0.100		107	80-120			
Ethylbenzene	0.103	0.00100	"	0.100		103	80-120			
Xylene (p/m)	0.207	0.00200	"	0.200		103	80-120			
Xylene (o)	0.117	0.00100	"	0.100		117	80-120			
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		96.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.132		"	0.120		110	80-120			

TRC Solutions- Midland, Texas
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Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

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Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9H2701 - General Preparation (GC)

Calibration Check (P9H2701-CCV3)

Prepared & Analyzed: 08/27/19

Benzene	0.0929	0.00100	mg/L	0.100		92.9	80-120			
Toluene	0.113	0.00100	"	0.100		113	80-120			
Ethylbenzene	0.117	0.00100	"	0.100		117	80-120			
Xylene (p/m)	0.214	0.00200	"	0.200		107	80-120			
Xylene (o)	0.110	0.00100	"	0.100		110	80-120			
Surrogate: 4-Bromofluorobenzene	0.142		"	0.120		118	80-120			
Surrogate: 1,4-Difluorobenzene	0.136		"	0.120		114	80-120			

Matrix Spike (P9H2701-MS1)

Source: 9H15018-01

Prepared & Analyzed: 08/27/19

Benzene	0.0914	0.00100	mg/L	0.100	ND	91.4	80-120			
Toluene	0.107	0.00100	"	0.100	ND	107	80-120			
Ethylbenzene	0.113	0.00100	"	0.100	ND	113	80-120			
Xylene (p/m)	0.196	0.00200	"	0.200	ND	97.8	80-120			
Xylene (o)	0.102	0.00100	"	0.100	ND	102	80-120			
Surrogate: 4-Bromofluorobenzene	0.125		"	0.120		104	80-120			
Surrogate: 1,4-Difluorobenzene	0.132		"	0.120		110	80-120			

Matrix Spike Dup (P9H2701-MSD1)

Source: 9H15018-01

Prepared & Analyzed: 08/27/19

Benzene	0.0916	0.00100	mg/L	0.100	ND	91.6	80-120	0.131	20	
Toluene	0.117	0.00100	"	0.100	ND	117	80-120	8.42	20	
Ethylbenzene	0.120	0.00100	"	0.100	ND	120	80-120	6.20	20	
Xylene (p/m)	0.212	0.00200	"	0.200	ND	106	80-120	8.01	20	
Xylene (o)	0.107	0.00100	"	0.100	ND	107	80-120	4.51	20	
Surrogate: 4-Bromofluorobenzene	0.143		"	0.120		119	80-120			
Surrogate: 1,4-Difluorobenzene	0.141		"	0.120		117	80-120			

Notes and Definitions

S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
ROI	Received on Ice
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By:



Date:

8/29/2019

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701

Phone: 432-686-7235

Project Manager:

Curt Stanley

Project Name:

97-04

Company Name

TRC

Project #:

TNM 97-04

Company Address:

10 Pesta Dr Suite 150E

Project Loc:

Lovington, NM

City/State/Zip:

Midland TX 79705

PO #:

Telephone No:

432-520-7720

Fax No:

Report Format

☐ Standard

☐ TRRP

☐ NPDES

Sampler Signature:

Jeremy Reich

Email:

(Lab use only)

ORDER #

9420017

LAB # (lab use only)		FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Ice	HNO ₃	HCl	H ₂ SO ₄	NaOH	Na ₂ S ₂ O ₃	None	Other (Specify)	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	TPH: TX 1005 TX 1006	Anions (Cl, SO ₄ , Alkalinity)	BTEX 8021 B/5030 or BTEX 826																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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Special Instructions:

Relinquished by:

Jeremy Reich

Date

8/20

Time

1457

Received by:

Received by:

Date

8/20

Time

1457

Sample Hand Delivered

by Courier? UPS DHL FedEx

Temperature Upon Receipt

Adjusted

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Curt Stanley
TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland, TX 79705

Project: 97-04
Project Number: TNM 97-04
Location: Lea County, NM
Lab Order Number: 9K11005



NELAP/TCEQ # T104704516-17-8

Report Date: 11/19/19

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW10	9K11005-01	Water	11/11/19 08:30	11-11-2019 15:45
MW12	9K11005-02	Water	11/11/19 08:47	11-11-2019 15:45
MW7	9K11005-03	Water	11/11/19 09:15	11-11-2019 15:45
MW16	9K11005-04	Water	11/11/19 09:51	11-11-2019 15:45
MW11	9K11005-05	Water	11/11/19 10:09	11-11-2019 15:45
MW13	9K11005-06	Water	11/11/19 10:28	11-11-2019 15:45
MW18	9K11005-07	Water	11/11/19 10:37	11-11-2019 15:45
MW15	9K11005-08	Water	11/11/19 11:23	11-11-2019 15:45
MW14	9K11005-09	Water	11/11/19 11:40	11-11-2019 15:45
MW4	9K11005-10	Water	11/11/19 12:27	11-11-2019 15:45
MW9	9K11005-11	Water	11/11/19 14:00	11-11-2019 15:45

LL PAH analysis for samples 9K11005-10 and -11 were subcontracted to ALS Houston. Their report is attached after the Chain of Custody. Their TCEQ TNI certification number can be found here:

https://www.tceq.texas.gov/assets/public/compliance/compliance_support/qa/labs/als_svcs_houston.pdf

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

MW10
9K11005-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B
Ethylbenzene	ND	0.00100	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B
Xylene (p/m)	ND	0.00200	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>113 %</i>	<i>80-120</i>		<i>P9K1303</i>	<i>11/13/19</i>	<i>11/13/19</i>	<i>EPA 8021B</i>
<i>Surrogate: 1,4-Difluorobenzene</i>		<i>104 %</i>	<i>80-120</i>		<i>P9K1303</i>	<i>11/13/19</i>	<i>11/13/19</i>	<i>EPA 8021B</i>

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

MW12
9K11005-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B
Ethylbenzene	ND	0.00100	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B
Xylene (p/m)	ND	0.00200	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B
Surrogate: 4-Bromofluorobenzene		119 %	80-120		P9K1303	11/13/19	11/13/19	EPA 8021B
Surrogate: 1,4-Difluorobenzene		105 %	80-120		P9K1303	11/13/19	11/13/19	EPA 8021B

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

MW7

9K11005-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B
Ethylbenzene	ND	0.00100	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B
Xylene (p/m)	ND	0.00200	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B
Surrogate: 4-Bromofluorobenzene		114 %	80-120		P9K1303	11/13/19	11/13/19	EPA 8021B
Surrogate: 1,4-Difluorobenzene		104 %	80-120		P9K1303	11/13/19	11/13/19	EPA 8021B

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

MW16
9K11005-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B
Ethylbenzene	ND	0.00100	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B
Xylene (p/m)	ND	0.00200	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>107 %</i>	<i>80-120</i>		<i>P9K1303</i>	<i>11/13/19</i>	<i>11/13/19</i>	<i>EPA 8021B</i>
<i>Surrogate: 1,4-Difluorobenzene</i>		<i>102 %</i>	<i>80-120</i>		<i>P9K1303</i>	<i>11/13/19</i>	<i>11/13/19</i>	<i>EPA 8021B</i>

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

MW11
9K11005-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B
Ethylbenzene	ND	0.00100	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B
Xylene (p/m)	ND	0.00200	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>107 %</i>	<i>80-120</i>		<i>P9K1303</i>	<i>11/13/19</i>	<i>11/13/19</i>	<i>EPA 8021B</i>
<i>Surrogate: 1,4-Difluorobenzene</i>		<i>101 %</i>	<i>80-120</i>		<i>P9K1303</i>	<i>11/13/19</i>	<i>11/13/19</i>	<i>EPA 8021B</i>

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

MW13
9K11005-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B
Ethylbenzene	ND	0.00100	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B
Xylene (p/m)	ND	0.00200	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>113 %</i>	<i>80-120</i>		<i>P9K1303</i>	<i>11/13/19</i>	<i>11/13/19</i>	<i>EPA 8021B</i>
<i>Surrogate: 1,4-Difluorobenzene</i>		<i>108 %</i>	<i>80-120</i>		<i>P9K1303</i>	<i>11/13/19</i>	<i>11/13/19</i>	<i>EPA 8021B</i>

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

MW18
9K11005-07 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B
Ethylbenzene	ND	0.00100	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B
Xylene (p/m)	ND	0.00200	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B
Surrogate: 4-Bromofluorobenzene		112 %	80-120		P9K1303	11/13/19	11/13/19	EPA 8021B
Surrogate: 1,4-Difluorobenzene		96.9 %	80-120		P9K1303	11/13/19	11/13/19	EPA 8021B

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

MW15
9K11005-08 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B
Ethylbenzene	ND	0.00100	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B
Xylene (p/m)	ND	0.00200	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>113 %</i>	<i>80-120</i>		<i>P9K1303</i>	<i>11/13/19</i>	<i>11/13/19</i>	<i>EPA 8021B</i>
<i>Surrogate: 1,4-Difluorobenzene</i>		<i>105 %</i>	<i>80-120</i>		<i>P9K1303</i>	<i>11/13/19</i>	<i>11/13/19</i>	<i>EPA 8021B</i>

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

MW14
9K11005-09 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B
Ethylbenzene	0.00111	0.00100	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B
Xylene (p/m)	0.00665	0.00200	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>111 %</i>	<i>80-120</i>		<i>P9K1303</i>	<i>11/13/19</i>	<i>11/13/19</i>	<i>EPA 8021B</i>
<i>Surrogate: 1,4-Difluorobenzene</i>		<i>105 %</i>	<i>80-120</i>		<i>P9K1303</i>	<i>11/13/19</i>	<i>11/13/19</i>	<i>EPA 8021B</i>

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

MW4
9K11005-10 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	0.166	0.00100	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B	
Toluene	0.233	0.00100	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B	
Ethylbenzene	0.327	0.00100	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B	
Xylene (p/m)	0.731	0.00200	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B	
Xylene (o)	0.383	0.00100	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>104 %</i>	<i>80-120</i>		<i>P9K1303</i>	<i>11/13/19</i>	<i>11/13/19</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>		<i>96.5 %</i>	<i>80-120</i>		<i>P9K1303</i>	<i>11/13/19</i>	<i>11/13/19</i>	<i>EPA 8021B</i>	

PAH compounds by Semivolatile GCMS

1-Methylnaphthalene	2.5	0.049	mg/L	1	P9K1901	11/15/19	11/18/19	8270C	SUB-13
2-Methylnaphthalene	3.5	0.049	mg/L	1	P9K1901	11/15/19	11/18/19	8270C	SUB-13
Acenaphthene	0.011	0.00097	mg/L	1	P9K1901	11/15/19	11/18/19	8270C	SUB-13
Acenaphthylene	0.010	0.00097	mg/L	1	P9K1901	11/15/19	11/18/19	8270C	SUB-13
Anthracene	0.025	0.00097	mg/L	1	P9K1901	11/15/19	11/18/19	8270C	SUB-13
Benzo (a) anthracene	ND	0.00097	mg/L	1	P9K1901	11/15/19	11/18/19	8270C	SUB-13
Benzo (a) pyrene	ND	0.00097	mg/L	1	P9K1901	11/15/19	11/18/19	8270C	SUB-13
Benzo (b) fluoranthene	0.0050	0.00097	mg/L	1	P9K1901	11/15/19	11/18/19	8270C	SUB-13
Benzo (g,h,i) perylene	ND	0.00097	mg/L	1	P9K1901	11/15/19	11/18/19	8270C	SUB-13
Benzo (k) fluoranthene	0.0024	0.00097	mg/L	1	P9K1901	11/15/19	11/18/19	8270C	SUB-13
Chrysene	0.059	0.00097	mg/L	1	P9K1901	11/15/19	11/18/19	8270C	SUB-13
Dibenzo (a,h) anthracene	ND	0.00097	mg/L	1	P9K1901	11/15/19	11/18/19	8270C	SUB-13
Dibenzofuran	0.23	0.0097	mg/L	1	P9K1901	11/15/19	11/18/19	8270C	SUB-13
Fluoranthene	0.013	0.00097	mg/L	1	P9K1901	11/15/19	11/18/19	8270C	SUB-13
Fluorene	0.25	0.0097	mg/L	1	P9K1901	11/15/19	11/18/19	8270C	SUB-13
Indeno (1,2,3-cd) pyrene	ND	0.00097	mg/L	1	P9K1901	11/15/19	11/18/19	8270C	SUB-13
Naphthalene	1.6	0.049	mg/L	1	P9K1901	11/15/19	11/18/19	8270C	SUB-13
Phenanthrene	0.36	0.0097	mg/L	1	P9K1901	11/15/19	11/18/19	8270C	SUB-13
Pyrene	0.015	0.00097	mg/L	1	P9K1901	11/15/19	11/18/19	8270C	SUB-13

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

MW9
9K11005-11 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	0.0141	0.00100	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B	
Toluene	0.202	0.00100	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B	
Ethylbenzene	0.274	0.00100	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B	
Xylene (p/m)	0.633	0.00200	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B	
Xylene (o)	0.370	0.00100	mg/L	1	P9K1303	11/13/19	11/13/19	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>110 %</i>		<i>80-120</i>	<i>P9K1303</i>	<i>11/13/19</i>	<i>11/13/19</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>		<i>96.6 %</i>		<i>80-120</i>	<i>P9K1303</i>	<i>11/13/19</i>	<i>11/13/19</i>	<i>EPA 8021B</i>	

PAH compounds by Semivolatile GCMS

1-Methylnaphthalene	2.2	0.049	mg/L	1	P9K1901	11/15/19	11/18/19	8270C	SUB-13
2-Methylnaphthalene	2.9	0.049	mg/L	1	P9K1901	11/15/19	11/18/19	8270C	SUB-13
Acenaphthene	0.013	0.00098	mg/L	1	P9K1901	11/15/19	11/18/19	8270C	SUB-13
Acenaphthylene	0.0064	0.00098	mg/L	1	P9K1901	11/15/19	11/18/19	8270C	SUB-13
Anthracene	0.023	0.00098	mg/L	1	P9K1901	11/15/19	11/18/19	8270C	SUB-13
Benzo (a) anthracene	ND	0.00098	mg/L	1	P9K1901	11/15/19	11/18/19	8270C	SUB-13
Benzo (a) pyrene	0.0015	0.00098	mg/L	1	P9K1901	11/15/19	11/18/19	8270C	SUB-13
Benzo (b) fluoranthene	0.0048	0.00098	mg/L	1	P9K1901	11/15/19	11/18/19	8270C	SUB-13
Benzo (g,h,i) perylene	ND	0.00098	mg/L	1	P9K1901	11/15/19	11/18/19	8270C	SUB-13
Benzo (k) fluoranthene	0.0038	0.00098	mg/L	1	P9K1901	11/15/19	11/18/19	8270C	SUB-13
Chrysene	0.054	0.00098	mg/L	1	P9K1901	11/15/19	11/18/19	8270C	SUB-13
Dibenzo (a,h) anthracene	ND	0.00098	mg/L	1	P9K1901	11/15/19	11/18/19	8270C	SUB-13
Dibenzofuran	0.26	0.0098	mg/L	1	P9K1901	11/15/19	11/18/19	8270C	SUB-13
Fluoranthene	0.013	0.00098	mg/L	1	P9K1901	11/15/19	11/18/19	8270C	SUB-13
Fluorene	0.29	0.0098	mg/L	1	P9K1901	11/15/19	11/18/19	8270C	SUB-13
Indeno (1,2,3-cd) pyrene	ND	0.00098	mg/L	1	P9K1901	11/15/19	11/18/19	8270C	SUB-13
Naphthalene	1.1	0.049	mg/L	1	P9K1901	11/15/19	11/18/19	8270C	SUB-13
Phenanthrene	0.49	0.0098	mg/L	1	P9K1901	11/15/19	11/18/19	8270C	SUB-13
Pyrene	0.014	0.00098	mg/L	1	P9K1901	11/15/19	11/18/19	8270C	SUB-13

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9K1303 - General Preparation (GC)

Blank (P9K1303-BLK1)

Prepared & Analyzed: 11/13/19

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.141		"	0.120		117	80-120			
Surrogate: 1,4-Difluorobenzene	0.132		"	0.120		110	80-120			

LCS (P9K1303-BS1)

Prepared & Analyzed: 11/13/19

Benzene	0.109	0.00100	mg/L	0.100		109	80-120			
Toluene	0.120	0.00100	"	0.100		120	80-120			
Ethylbenzene	0.110	0.00100	"	0.100		110	80-120			
Xylene (p/m)	0.221	0.00200	"	0.200		111	80-120			
Xylene (o)	0.105	0.00100	"	0.100		105	80-120			
Surrogate: 4-Bromofluorobenzene	0.114		"	0.120		95.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.134		"	0.120		111	80-120			

LCS Dup (P9K1303-BSD1)

Prepared & Analyzed: 11/13/19

Benzene	0.110	0.00100	mg/L	0.100		110	80-120	0.512	20	
Toluene	0.119	0.00100	"	0.100		119	80-120	0.510	20	
Ethylbenzene	0.109	0.00100	"	0.100		109	80-120	1.16	20	
Xylene (p/m)	0.218	0.00200	"	0.200		109	80-120	1.29	20	
Xylene (o)	0.104	0.00100	"	0.100		104	80-120	0.287	20	
Surrogate: 4-Bromofluorobenzene	0.110		"	0.120		92.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.127		"	0.120		105	80-120			

Calibration Blank (P9K1303-CCB1)

Prepared & Analyzed: 11/13/19

Benzene	0.00		mg/L							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.141		"	0.120		117	80-120			
Surrogate: 1,4-Difluorobenzene	0.131		"	0.120		109	80-120			

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9K1303 - General Preparation (GC)

Calibration Blank (P9K1303-CCB2)

Prepared & Analyzed: 11/13/19

Benzene	0.00		mg/L							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		100	80-120			
Surrogate: 1,4-Difluorobenzene	0.126		"	0.120		105	80-120			

Calibration Check (P9K1303-CCV1)

Prepared & Analyzed: 11/13/19

Benzene	0.103	0.00100	mg/L	0.100		103	80-120			
Toluene	0.117	0.00100	"	0.100		117	80-120			
Ethylbenzene	0.112	0.00100	"	0.100		112	80-120			
Xylene (p/m)	0.226	0.00200	"	0.200		113	80-120			
Xylene (o)	0.107	0.00100	"	0.100		107	80-120			
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.125		"	0.120		104	80-120			

Calibration Check (P9K1303-CCV2)

Prepared & Analyzed: 11/13/19

Benzene	0.111	0.00100	mg/L	0.100		111	80-120			
Toluene	0.116	0.00100	"	0.100		116	80-120			
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120			
Xylene (p/m)	0.201	0.00200	"	0.200		101	80-120			
Xylene (o)	0.104	0.00100	"	0.100		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120		91.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.130		"	0.120		108	80-120			

Calibration Check (P9K1303-CCV3)

Prepared & Analyzed: 11/13/19

Benzene	0.0988	0.00100	mg/L	0.100		98.8	80-120			
Toluene	0.104	0.00100	"	0.100		104	80-120			
Ethylbenzene	0.103	0.00100	"	0.100		103	80-120			
Xylene (p/m)	0.180	0.00200	"	0.200		90.0	80-120			
Xylene (o)	0.0878	0.00100	"	0.100		87.8	80-120			
Surrogate: 4-Bromofluorobenzene	0.102		"	0.120		85.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.127		"	0.120		106	80-120			

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9K1303 - General Preparation (GC)

Matrix Spike (P9K1303-MS1)

Source: 9K11005-01

Prepared & Analyzed: 11/13/19

Benzene	0.104	0.00100	mg/L	0.100	ND	104	80-120			
Toluene	0.109	0.00100	"	0.100	ND	109	80-120			
Ethylbenzene	0.0988	0.00100	"	0.100	ND	98.8	80-120			
Xylene (p/m)	0.186	0.00200	"	0.200	ND	92.8	80-120			
Xylene (o)	0.0957	0.00100	"	0.100	ND	95.7	80-120			
Surrogate: 4-Bromofluorobenzene	0.106		"	0.120		88.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.126		"	0.120		105	80-120			

Matrix Spike Dup (P9K1303-MSD1)

Source: 9K11005-01

Prepared & Analyzed: 11/13/19

Benzene	0.108	0.00100	mg/L	0.100	ND	108	80-120	3.56	20	
Toluene	0.110	0.00100	"	0.100	ND	110	80-120	1.31	20	
Ethylbenzene	0.102	0.00100	"	0.100	ND	102	80-120	3.63	20	
Xylene (p/m)	0.195	0.00200	"	0.200	ND	97.7	80-120	5.18	20	
Xylene (o)	0.0971	0.00100	"	0.100	ND	97.1	80-120	1.40	20	
Surrogate: 4-Bromofluorobenzene	0.0999		"	0.120		83.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		100	80-120			

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Notes and Definitions

SUB-13 Subcontract of analyte/analysis to ALS Houston.

ROI Received on Ice

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

11/19/2019

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permanence Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701

Project Manager:

Curt Stanley

Project Name:

Townsend (97-04)

Company Name

TRC

Project #:

TRM 97-04

Company Address:

10 Delta Drive Suite 150E

Project Loc:

Lea County, NM

City/State/Zip:

Midland TX, 79705

P.O. #:

Telephone No:

432-520-7720

Fax No:

Report Format:

☐ Standard ☐ TRRP ☐ NPDES

Sampler Signature:

e-mail:

ORDER #: 9141005

LAB # (lab use only)		FIELD CODE		Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Ice	HNO ₃	HCl	H ₂ SO ₄	NaOH	Na ₂ S ₂ O ₃	None	Other (Specify)	DW=Drinking Water SL=Sludge	GW = Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	TPH: TX 1005 TX 1006	Anions (Cl, SO ₄ , Alkalinity)	BTEX 8021B/5030 or BTEX 8260	PAH	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	MW 10					11/11	0830																			
2	MW 12						0847																			
3	MW 7						0915																			
4	MW 16						0951																			
5	MW 11						1009																			
6	MW 13						1028																			
7	MW 18						1037																			
8	MW 15						1123																			
9	MW 14						1140																			
10	MW 4						1227																			

Special Instructions:

Relinquished by:

Date

Time

Received by:

Date

Time

Relinquished by:

Date

Time

Received by:

Date

Time

Relinquished by:

Date

Time

Received by:

Date

Time

Laboratory Comments:
Sample Containers: Plastic
VOCs Free of Headspace?
Labels on container(s)
Custody seals on container(s)
Seals of cooler(s)
Sample Hand Delivered
by Sample Client Rep.
by Container(s) LPS
Temperature Upon Receipt
Received: 49
Adjusted: 59
CFI 12

Project Manager:

Just Stanley

Project Name:

Townsend (97-04)

Company Name:

TAC

Project #:

Twn 97-04

Company Address:

10 Delta Drive Suite 150E

Project Loc:

Lee County, TX

City/State/Zip:

Midland TX, 79705

PO #:

Telephone No:

432-520-7720

Fax No:

Report Format:

☐ Standard ☐ TRAP ☐ NPDES

Sampler Signature:

[Signature]

e-mail:

ORDER # 9711005

LAB # (Lab use only)

FIELD CODE

MW29

Beginning Depth

Ending Depth

Date Sampled

11/11

Time Sampled

1400

Field Filtered

Total #. of Containers

☒ Ice

☒ HNO₃

☒ HCl

☒ H₂SO₄

☒ NaOH

☒ Na₂S₂O₃

☒ None

Other (Specify)

DW=Drinking Water SL=Sludge

GW=Groundwater S=Soil/Solid

NP=Non-Potable Specify Other

TPH: TX 1005 TX 1006

Anions (Cl, SO₄, Alkalinity)

BTEX 8021B/5090 or BTEX 8260

48

RUSH TAT (Pre-Schedule) 24, 48, 72 hrs

☒ Standard TAT

Special Instructions:

Relinquished by:

[Signature]

Date

11/11

Time

1507

Received by:

[Signature]

Date

Time

Date

Time

Received by:

[Signature]

Date

Time

Received by:

[Signature]

Date

Time

Received by:

[Signature]

Date

Time

Received by:

[Signature]

Date

Time

Received by:

[Signature]

Labatory Comments:
Sample Containers: 3
100% Free of Headspace
Labels or Containers: 3
Custody seals on containers:
Original seals: 3 (all OK)
Sample Hand Delivery:
by: [Signature] Date: 11-11-04
by: [Signature] Date: 11-11-04
Temperature Upon Receipt:
Received: 48.9 °C
Adjusted: 48.9 °C
CF 1112



10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

November 18, 2019

Brent Barron
Permian Basin Environmental Lab, LP
10014 SCR 1213
Midland, TX 79706

Work Order: **HS19110668**

Laboratory Results for: **9K11005**

Dear Brent,

ALS Environmental received 2 sample(s) on Nov 13, 2019 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: DAYNA.FISHER

Andy C. Neir

Client: Permian Basin Environmental Lab, LP
Project: 9K11005
Work Order: HS19110668

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS19110668-01	9K11005-10	Water		11-Nov-2019 12:27	13-Nov-2019 09:39	☐
HS19110668-02	9K11005-11	Water		11-Nov-2019 14:00	13-Nov-2019 09:39	☐

Client: Permian Basin Environmental Lab, LP
Project: 9K11005
Work Order: HS19110668

CASE NARRATIVE

GCMS Semivolatiles by Method SW8270

Batch ID: 147582

Sample ID: 9K11005-10 (HS19110668-01)

- The GCMS semi-volatile extract of this sample was run at a dilution due to a high level of matrix interference.
- The surrogate recoveries could not be determined due to dilution below the calibration range.

Sample ID: 9K11005-11 (HS19110668-02)

- The GCMS semi-volatile extract of this sample was run at a dilution due to a high level of matrix interference.
 - The surrogate recoveries could not be determined due to dilution below the calibration range.
-

Client: Permian Basin Environmental Lab, LP
 Project: 9K11005
 Sample ID: 9K11005-10
 Collection Date: 11-Nov-2019 12:27

ANALYTICAL REPORT

WorkOrder: HS19110668
 Lab ID: HS19110668-01
 Matrix: Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL PAHS - 8270D		Method: SW8270		Prep: SW3511 / 15-Nov-2019		Analyst: LG
1-Methylnaphthalene	2,500	n	48.7	ug/L	500	18-Nov-2019 15:24
2-Methylnaphthalene	3,540		48.7	ug/L	500	18-Nov-2019 15:24
Acenaphthene	10.7		0.974	ug/L	10	18-Nov-2019 14:05
Acenaphthylene	10.4		0.974	ug/L	10	18-Nov-2019 14:05
Anthracene	24.7		0.974	ug/L	10	18-Nov-2019 14:05
Benz(a)anthracene	ND		0.974	ug/L	10	18-Nov-2019 14:05
Benzo(a)pyrene	ND		0.974	ug/L	10	18-Nov-2019 14:05
Benzo(b)fluoranthene	5.00		0.974	ug/L	10	18-Nov-2019 14:05
Benzo(g,h,i)perylene	ND		0.974	ug/L	10	18-Nov-2019 14:05
Benzo(k)fluoranthene	2.41		0.974	ug/L	10	18-Nov-2019 14:05
Chrysene	58.6		0.974	ug/L	10	18-Nov-2019 14:05
Dibenz(a,h)anthracene	ND		0.974	ug/L	10	18-Nov-2019 14:05
Dibenzofuran	231		9.74	ug/L	100	18-Nov-2019 14:45
Fluoranthene	13.2		0.974	ug/L	10	18-Nov-2019 14:05
Fluorene	245		9.74	ug/L	100	18-Nov-2019 14:45
Indeno(1,2,3-cd)pyrene	ND		0.974	ug/L	10	18-Nov-2019 14:05
Naphthalene	1,600		48.7	ug/L	500	18-Nov-2019 15:24
Phenanthrene	355		9.74	ug/L	100	18-Nov-2019 14:45
Pyrene	14.9		0.974	ug/L	10	18-Nov-2019 14:05
Surr: 2-Fluorobiphenyl	0	JS	32-130	%REC	500	18-Nov-2019 15:24
Surr: 2-Fluorobiphenyl	0	JS	32-130	%REC	100	18-Nov-2019 14:45
Surr: 2-Fluorobiphenyl	101		32-130	%REC	10	18-Nov-2019 14:05
Surr: 4-Terphenyl-d14	105		40-135	%REC	10	18-Nov-2019 14:05
Surr: 4-Terphenyl-d14	0	JS	40-135	%REC	100	18-Nov-2019 14:45
Surr: 4-Terphenyl-d14	0	JS	40-135	%REC	500	18-Nov-2019 15:24
Surr: Nitrobenzene-d5	91.0		45-142	%REC	10	18-Nov-2019 14:05
Surr: Nitrobenzene-d5	0	JS	45-142	%REC	100	18-Nov-2019 14:45
Surr: Nitrobenzene-d5	0	JS	45-142	%REC	500	18-Nov-2019 15:24

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Permian Basin Environmental Lab, LP
 Project: 9K11005
 Sample ID: 9K11005-11
 Collection Date: 11-Nov-2019 14:00

ANALYTICAL REPORT

WorkOrder: HS19110668
 Lab ID: HS19110668-02
 Matrix: Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL PAHS - 8270D		Method: SW8270		Prep: SW3511 / 15-Nov-2019		Analyst: LG
1-Methylnaphthalene	2,150	n	49.0	ug/L	500	18-Nov-2019 15:44
2-Methylnaphthalene	2,880		49.0	ug/L	500	18-Nov-2019 15:44
Acenaphthene	13.3		0.980	ug/L	10	18-Nov-2019 14:25
Acenaphthylene	6.37		0.980	ug/L	10	18-Nov-2019 14:25
Anthracene	23.2		0.980	ug/L	10	18-Nov-2019 14:25
Benz(a)anthracene	ND		0.980	ug/L	10	18-Nov-2019 14:25
Benzo(a)pyrene	1.50		0.980	ug/L	10	18-Nov-2019 14:25
Benzo(b)fluoranthene	4.76		0.980	ug/L	10	18-Nov-2019 14:25
Benzo(g,h,i)perylene	ND		0.980	ug/L	10	18-Nov-2019 14:25
Benzo(k)fluoranthene	3.78		0.980	ug/L	10	18-Nov-2019 14:25
Chrysene	54.0		0.980	ug/L	10	18-Nov-2019 14:25
Dibenz(a,h)anthracene	ND		0.980	ug/L	10	18-Nov-2019 14:25
Dibenzofuran	264		9.80	ug/L	100	18-Nov-2019 15:04
Fluoranthene	12.8		0.980	ug/L	10	18-Nov-2019 14:25
Fluorene	286		9.80	ug/L	100	18-Nov-2019 15:04
Indeno(1,2,3-cd)pyrene	ND		0.980	ug/L	10	18-Nov-2019 14:25
Naphthalene	1,140		49.0	ug/L	500	18-Nov-2019 15:44
Phenanthrene	487		9.80	ug/L	100	18-Nov-2019 15:04
Pyrene	13.9		0.980	ug/L	10	18-Nov-2019 14:25
Surr: 2-Fluorobiphenyl	110		32-130	%REC	10	18-Nov-2019 14:25
Surr: 2-Fluorobiphenyl	0	JS	32-130	%REC	100	18-Nov-2019 15:04
Surr: 2-Fluorobiphenyl	0	JS	32-130	%REC	500	18-Nov-2019 15:44
Surr: 4-Terphenyl-d14	0	JS	40-135	%REC	500	18-Nov-2019 15:44
Surr: 4-Terphenyl-d14	75.5		40-135	%REC	10	18-Nov-2019 14:25
Surr: 4-Terphenyl-d14	0	JS	40-135	%REC	100	18-Nov-2019 15:04
Surr: Nitrobenzene-d5	99.4		45-142	%REC	10	18-Nov-2019 14:25
Surr: Nitrobenzene-d5	0	JS	45-142	%REC	100	18-Nov-2019 15:04
Surr: Nitrobenzene-d5	0	JS	45-142	%REC	500	18-Nov-2019 15:44

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: 9K11005
WorkOrder: HS19110668

Batch ID: 147582	Start Date: 15 Nov 2019 10:27	End Date:
Method: SW3511		Prep Code: 3511_PAH

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor
HS19110668-01		33.87 (mL)	2 (mL)	0.05905
HS19110668-02		33.66 (mL)	2 (mL)	0.05942

Client: Permian Basin Environmental Lab, LP
Project: 9K11005
WorkOrder: HS19110668

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 147582 (0)		Test Name : LOW-LEVEL PAHS - 8270D			Matrix: Water	
HS19110668-01	9K11005-10	11 Nov 2019 12:27		15 Nov 2019 10:27	18 Nov 2019 15:24	500
HS19110668-01	9K11005-10	11 Nov 2019 12:27		15 Nov 2019 10:27	18 Nov 2019 14:45	100
HS19110668-01	9K11005-10	11 Nov 2019 12:27		15 Nov 2019 10:27	18 Nov 2019 14:05	10
HS19110668-02	9K11005-11	11 Nov 2019 14:00		15 Nov 2019 10:27	18 Nov 2019 15:44	500
HS19110668-02	9K11005-11	11 Nov 2019 14:00		15 Nov 2019 10:27	18 Nov 2019 15:04	100
HS19110668-02	9K11005-11	11 Nov 2019 14:00		15 Nov 2019 10:27	18 Nov 2019 14:25	10

Client: Permian Basin Environmental Lab, LP
Project: 9K11005
WorkOrder: HS19110668

QC BATCH REPORT

Batch ID: 147582 (0)		Instrument: SV-6		Method: LOW-LEVEL PAHS - 8270D					
MBLK	Sample ID: MBLK-147582	Units: ug/L		Analysis Date: 18-Nov-2019 09:23					
Client ID:	Run ID: SV-6_350696	SeqNo: 5348059		PrepDate: 15-Nov-2019		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
1-Methylnaphthalene	ND	0.100							
2-Methylnaphthalene	ND	0.100							
Acenaphthene	ND	0.100							
Acenaphthylene	ND	0.100							
Anthracene	ND	0.100							
Benz(a)anthracene	ND	0.100							
Benzo(a)pyrene	ND	0.100							
Benzo(b)fluoranthene	ND	0.100							
Benzo(g,h,i)perylene	ND	0.100							
Benzo(k)fluoranthene	ND	0.100							
Chrysene	ND	0.100							
Dibenz(a,h)anthracene	ND	0.100							
Dibenzofuran	ND	0.100							
Fluoranthene	ND	0.100							
Fluorene	ND	0.100							
Indeno(1,2,3-cd)pyrene	ND	0.100							
Naphthalene	ND	0.100							
Phenanthrene	ND	0.100							
Pyrene	ND	0.100							
Surr: 2-Fluorobiphenyl	2.721	0.100	3.03	0	89.8	32 - 130			
Surr: 4-Terphenyl-d14	2.6	0.100	3.03	0	85.8	40 - 135			
Surr: Nitrobenzene-d5	3.096	0.100	3.03	0	102	45 - 142			

Client: Permian Basin Environmental Lab, LP
Project: 9K11005
WorkOrder: HS19110668

QC BATCH REPORT

Batch ID: 147582 (0)		Instrument: SV-6		Method: LOW-LEVEL PAHS - 8270D					
LCS		Sample ID: LCS-147582		Units: ug/L		Analysis Date: 18-Nov-2019 09:43			
Client ID:		Run ID: SV-6_350696		SeqNo: 5348060		PrepDate: 15-Nov-2019		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
1-Methylnaphthalene	3.336	0.100	3.03	0	110	40 - 140			
2-Methylnaphthalene	3.228	0.100	3.03	0	107	40 - 140			
Acenaphthene	3.027	0.100	3.03	0	99.9	40 - 140			
Acenaphthylene	3.191	0.100	3.03	0	105	40 - 140			
Anthracene	2.839	0.100	3.03	0	93.7	40 - 140			
Benz(a)anthracene	3.049	0.100	3.03	0	101	40 - 140			
Benzo(a)pyrene	2.792	0.100	3.03	0	92.2	40 - 140			
Benzo(b)fluoranthene	2.966	0.100	3.03	0	97.9	40 - 140			
Benzo(g,h,i)perylene	2.355	0.100	3.03	0	77.7	40 - 140			
Benzo(k)fluoranthene	2.834	0.100	3.03	0	93.5	40 - 140			
Chrysene	3.163	0.100	3.03	0	104	40 - 140			
Dibenz(a,h)anthracene	2.547	0.100	3.03	0	84.1	40 - 140			
Dibenzofuran	2.984	0.100	3.03	0	98.5	40 - 140			
Fluoranthene	2.647	0.100	3.03	0	87.4	40 - 140			
Fluorene	3.138	0.100	3.03	0	104	40 - 140			
Indeno(1,2,3-cd)pyrene	2.655	0.100	3.03	0	87.6	40 - 140			
Naphthalene	2.96	0.100	3.03	0	97.7	40 - 140			
Phenanthrene	2.877	0.100	3.03	0	94.9	40 - 140			
Pyrene	3.178	0.100	3.03	0	105	40 - 140			
Surr: 2-Fluorobiphenyl	2.513	0.100	3.03	0	82.9	32 - 130			
Surr: 4-Terphenyl-d14	2.573	0.100	3.03	0	84.9	40 - 135			
Surr: Nitrobenzene-d5	2.973	0.100	3.03	0	98.1	45 - 142			

Client: Permian Basin Environmental Lab, LP
Project: 9K11005
WorkOrder: HS19110668

QC BATCH REPORT

Batch ID: 147582 (0)		Instrument: SV-6		Method: LOW-LEVEL PAHS - 8270D						
LCSD		Sample ID: LCSD-147582		Units: ug/L		Analysis Date: 18-Nov-2019 10:09				
Client ID:		Run ID: SV-6_350696		SeqNo: 5348061		PrepDate: 15-Nov-2019		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	3.049	0.100	3.03	0	101	40 - 140	3.336	8.98	25	
2-Methylnaphthalene	2.99	0.100	3.03	0	98.7	40 - 140	3.228	7.65	25	
Acenaphthene	2.977	0.100	3.03	0	98.3	40 - 140	3.027	1.68	25	
Acenaphthylene	3.191	0.100	3.03	0	105	40 - 140	3.191	0.0095	25	
Anthracene	2.778	0.100	3.03	0	91.7	40 - 140	2.839	2.19	25	
Benz(a)anthracene	3.122	0.100	3.03	0	103	40 - 140	3.049	2.35	25	
Benzo(a)pyrene	2.809	0.100	3.03	0	92.7	40 - 140	2.792	0.597	25	
Benzo(b)fluoranthene	2.9	0.100	3.03	0	95.7	40 - 140	2.966	2.23	25	
Benzo(g,h,i)perylene	2.444	0.100	3.03	0	80.7	40 - 140	2.355	3.7	25	
Benzo(k)fluoranthene	2.958	0.100	3.03	0	97.6	40 - 140	2.834	4.27	25	
Chrysene	3.067	0.100	3.03	0	101	40 - 140	3.163	3.08	25	
Dibenz(a,h)anthracene	2.605	0.100	3.03	0	86.0	40 - 140	2.547	2.24	25	
Dibenzofuran	2.943	0.100	3.03	0	97.1	40 - 140	2.984	1.38	25	
Fluoranthene	2.471	0.100	3.03	0	81.6	40 - 140	2.647	6.89	25	
Fluorene	3.049	0.100	3.03	0	101	40 - 140	3.138	2.89	25	
Indeno(1,2,3-cd)pyrene	2.619	0.100	3.03	0	86.4	40 - 140	2.655	1.37	25	
Naphthalene	2.892	0.100	3.03	0	95.4	40 - 140	2.96	2.32	25	
Phenanthrene	2.815	0.100	3.03	0	92.9	40 - 140	2.877	2.19	25	
Pyrene	3.099	0.100	3.03	0	102	40 - 140	3.178	2.5	25	
Surr: 2-Fluorobiphenyl	2.711	0.100	3.03	0	89.5	32 - 130	2.513	7.59	25	
Surr: 4-Terphenyl-d14	2.648	0.100	3.03	0	87.4	40 - 135	2.573	2.86	25	
Surr: Nitrobenzene-d5	3.232	0.100	3.03	0	107	45 - 142	2.973	8.35	25	

The following samples were analyzed in this batch: HS19110668-01 HS19110668-02

Client: Permian Basin Environmental Lab, LP
Project: 9K11005
WorkOrder: HS19110668

**QUALIFIERS,
ACRONYMS, UNITS**

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	19-028-0	27-Mar-2020
California	2919, 2019-2020	30-Apr-2020
Dept of Defense	ANAB L2231	20-Dec-2021
Florida	E87611-28	30-Jun-2020
Illinois	2000322019-2	09-May-2020
Kansas	E-10352 2019-2020	31-Jul-2020
Kentucky	123043, 2019-2020	30-Apr-2020
Louisiana	03087, 2019-2020	30-Jun-2020
Maryland	343, 2019-2020	30-Jun-2020
North Carolina	624-2019	31-Dec-2019
North Dakota	R-193 2019-2020	30-Apr-2020
Oklahoma	2019-067	31-Aug-2020
Texas	TX104704231-19-23	30-Apr-2020

Sample Receipt Checklist

Client Name: Permian Basin Lab
Work Order: HS19110668

Date/Time Received: **13-Nov-2019 09:39**
Received by: **PMG**

Checklist completed by: Asad Chaudhry 13-Nov-2019
eSignature Date

Reviewed by: Andy C. Neir 14-Nov-2019
eSignature Date

Matrices: **Water**

Carrier name: **FedEx Priority Overnight**

Shipping container/cooler in good condition?
Custody seals intact on shipping container/cooler?
Custody seals intact on sample bottles?
VOA/TX1005/TX1006 Solids in hermetically sealed vials?
Chain of custody present?
Chain of custody signed when relinquished and received?
Samplers name present on COC?
Chain of custody agrees with sample labels?
Samples in proper container/bottle?
Sample containers intact?
Sufficient sample volume for indicated test?
All samples received within holding time?
Container/Temp Blank temperature in compliance?
Temperature(s)/Thermometer(s):
Cooler(s)/Kit(s):
Date/Time sample(s) sent to storage:
Water - VOA vials have zero headspace?
Water - pH acceptable upon receipt?
pH adjusted?
pH adjusted by:

Yes ☒	No ☐	Not Present ☐
Yes ☐	No ☐	Not Present ☒
Yes ☐	No ☐	Not Present ☒
Yes ☐	No ☐	Not Present ☒
Yes ☒	No ☐	1 Page(s)
Yes ☒	No ☐	COC IDs:N/A
Yes ☐	No ☒	
Yes ☒	No ☐	
Yes ☒	No ☐	
Yes ☒	No ☐	
Yes ☒	No ☐	
Yes ☒	No ☐	

0.7c U/C	IR 25
Red	
11/13/2019 19:00	
Yes ☒	No ☐ No VOA vials submitted ☐
Yes ☐	No ☐ N/A ☒
Yes ☐	No ☐ N/A ☒

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

Corrective Action:

Red NOV 3 2019

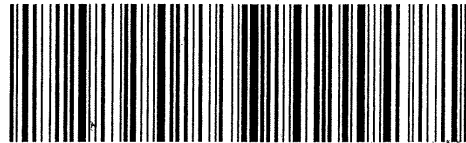
FedEx
TRK# 8147 5084 8178
0200

WED - 13 NOV AA
STANDARD OVERNIGHT

AB SGRA

Rich

77099
TX-US
IAH



1-2-510-1-404795 12NOV18 HAAEA 45AC1/F330/054

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Curt Stanley
TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland, TX 79705

Project: 97-04
Project Number: TNM 97-04
Location: Lea County, New Mexico
Lab Order Number: 8J31006



NELAP/TCEQ # T104704516-17-8

Report Date: 11/14/18

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
POST	8J31006-01	Water	10/30/18 00:00	10-30-2018 15:55

Total Metals analysis was subcontracted to ALS Houston. Their report is attached after the Chain of Custody. Their TCEQ NELAC certification number is T104704231-15-15

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

POST
8J31006-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Total Metals by EPA / Standard Methods

Silver	ND	0.00200	mg/L	1	P8K1402	11/06/18	11/12/18	EPA 6020A	SUB-13
Aluminum	0.0123	0.0100	mg/L	1	P8K1402	11/06/18	11/12/18	EPA 200.8	SUB-13
Arsenic	0.00972	0.00200	mg/L	1	P8K1402	11/06/18	11/12/18	EPA 6020A	SUB-13
Boron	1.40	0.0400	mg/L	1	P8K1402	11/06/18	11/13/18	SW846-6020A	SUB-13
Barium	0.727	0.00400	mg/L	1	P8K1402	11/06/18	11/12/18	EPA 6020A	SUB-13
Cadmium	ND	0.00190	mg/L	1	P8K1402	11/06/18	11/12/18	EPA 6020A	SUB-13
Cobalt	0.00120	0.00500	mg/L	1	P8K1402	11/06/18	11/12/18	EPA 6020A	SUB-13, J
Chromium	ND	0.00400	mg/L	1	P8K1402	11/06/18	11/12/18	EPA 6020A	SUB-13
Copper	0.0155	0.00200	mg/L	1	P8K1402	11/06/18	11/12/18	EPA 6020A	SUB-13
Iron	ND	0.200	mg/L	1	P8K1402	11/06/18	11/12/18	EPA 6010B	SUB-13
Mercury	ND	0.200	ug/l	1	P8K1402	11/07/18	11/07/18	EPA 7470A	SUB-13
Manganese	0.637	0.00500	mg/L	1	P8K1402	11/06/18	11/12/18	EPA 6020A	SUB-13
Molybdenum	0.0157	0.00500	mg/L	1	P8K1402	11/06/18	11/12/18	EPA 6010B	SUB-13
Nickel	0.00441	0.00200	mg/L	1	P8K1402	11/06/18	11/12/18	EPA 6020A	SUB-13
Lead	0.00242	0.00200	mg/L	1	P8K1402	11/06/18	11/12/18	EPA 6020A	SUB-13
Selenium	ND	0.00200	mg/L	1	P8K1402	11/06/18	11/12/18	EPA 6020A	SUB-13
Zinc	0.0411	0.00400	mg/L	1	P8K1402	11/06/18	11/12/18	EPA 6020A	SUB-13

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Notes and Definitions

SUB-13	Subcontract of analyte/analysis to ALS Houston TCEQ/NELAC # T-104704231-15-15
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By:



Date:

11/14/2018

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, LP
10014 S. County Road 1213
Midland, Texas 79706

Phone: 432-661-4184

Project Manager: Curt Stanley

Company Name: TRC Environmental Corporation

Company Address: 10 Desta Drive, Suite 150

City/State/Zip: Midland, TX 79705

Telephone No.: (432)5207720

Fax No.: _____

Sampler Signature: Jeremy Reed

e-mail: _____

clbryant@paalp.com
cdstanley@trcsolutions.com

Report Format: ☒ Standard

☐ TRRP

☐ NPDES

Project Name: 97-04

Project #: TNM 97-04

Project Loc: Lea County, NM

PO #: _____

(lab use only)

ORDER #: **8531006**

LAB # (lab use only)

FIELD CODE

POST

Beginning Depth

Ending Depth

Date Sampled

Time Sampled

Field Filtered

Total #. of Containers

1

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

TPH: 418.1 8015M 8015B

TPH: TX 1005 TX 1008

Cations (Ca, Mg, Na, K)

Anions (Cl, SO4, Alkalinity)

SAR / ESP / CEC

Metals: As Ag Ba Cd Cr Pb Hg Se

Metals: Al B Co Cu Fe Mn

Metals: Mo Ni Zn

BTEX 8021B/5030 or BTEX 8260

RCI

PAH

Chlorides E 300

Paint Filter

TCLP Benzene

RUSH TAT (Pre-Schedule) 24, 48, 72 hrs

Standard TAT

Special Instructions:

Bill to Plains

Total Al B Co Cu Fe Mn Mo Ni As Ba Cd Cr Hg Pb Se Ag Zn

Relinquished by:

Date

Time

Received by:

Date

Time

Relinquished by:

Date

Time

Received by:

Date

Time

Relinquished by:

Date

Time

Received by:

Date

Time

Laboratory Comments:

Sample Containers intact?

VOCs Free of Headspace?

Labels on Containers?

Custody seals on container(s)

Custody/seals on cooler(s)

Sample Hand Delivered

by Courier?

Temperature Upon Receipt

Adjusted: 2.9

4.9

6.2

Permian Basin Environmental Lab, LP
10014 S. County Road 1213
Midland, Texas 79706

Phone: 432-661-4184

Project Manager: Curt Stanley

Company Name: TRC Environmental Corporation

Company Address: 10 Desta Drive, Suite 150

City/State/Zip: Midland, TX 79705

Telephone No.: (432)5207720

Fax No.: _____

Sampler Signature: Jeremy Reck

e-mail: _____

clbryant@paalp.com
cdstanley@trcsolutions.com

Report Format: ☒ Standard

☐ TRRP

☐ NPDES

Project Name: 97-04

Project #: TNM 97-04

Project Loc: Lea County, NM

PO #: _____

(lab use only)

ORDER #: **8531006**

LAB # (lab use only)

FIELD CODE

POST

Beginning Depth

Ending Depth

Date Sampled

Time Sampled

Field Filtered

Total #. of Containers

1

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

TPH: 418.1 8015M 8015B

TPH: TX 1005 TX 1008

Cations (Ca, Mg, Na, K)

Anions (Cl, SO4, Alkalinity)

SAR / ESP / CEC

Metals: As Ag Ba Cd Cr Pb Hg Se

Metals: Al B Co Cu Fe Mn

Metals: Mo Ni Zn

BTEX 8021B/5030 or BTEX 8260

RCI

PAH

Chlorides E 300

Paint Filter

TCLP Benzene

RUSH TAT (Pre-Schedule) 24, 48, 72 hrs

Standard TAT

Special Instructions:

Bill to Plains

Total Al B Co Cu Fe Mn Mo Ni As Ba Cd Cr Hg Pb Se Ag Zn

Relinquished by:

Date

Time

Received by:

Date

Time

Relinquished by:

Date

Time

Received by:

Date

Time

Relinquished by:

Date

Time

Received by:

Date

Time

Laboratory Comments:

Sample Containers intact?

VOCs Free of Headspace?

Labels on Containers?

Custody seals on container(s)

Custody/seals on cooler(s)

Sample Hand Delivered

by Courier? UPS DHL

Temperature Upon Receipt: °C

Adjusted: 2.9

4.9

62



10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

November 13, 2018

Brent Barron
Permian Basin Environmental Lab, LP
10014 SCR 1213

Midland, TX 79706

Work Order: **HS18110027**

Laboratory Results for: **8J31006**

Dear Brent,

ALS Environmental received 1 sample(s) on Nov 01, 2018 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: JUMOKE.LAWAL
Bernadette A. Fini
Project Manager

Client: Permian Basin Environmental Lab, LP
Project: 8J31006
WorkOrder: HS18110027

**TRRP Laboratory Data
Package Cover Page**

This data package consists of all or some of the following as applicable:

This signature page, the laboratory review checklist, and the following reportable data:

- R1 Field chain-of-custody documentation;
- R2 Sample identification cross-reference;
- R3 Test reports (analytical data sheets) for each environmental sample that includes:
 - a) Items consistent with NELAC Chapter 5,
 - b) dilution factors,
 - c) preparation methods,
 - d) cleanup methods, and
 - e) if required for the project, tentatively identified compounds (TICs).
- R4 Surrogate recovery data including:
 - a) Calculated recovery (%R), and
 - b) The laboratory's surrogate QC limits.
- R5 Test reports/summary forms for blank samples;
- R6 Test reports/summary forms for laboratory control samples (LCSs) including:
 - a) LCS spiking amounts,
 - b) Calculated %R for each analyte, and
 - c) The laboratory's LCS QC limits.
- R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
 - a) Samples associated with the MS/MSD clearly identified,
 - b) MS/MSD spiking amounts,
 - c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
 - d) Calculated %Rs and relative percent differences (RPDs), and
 - e) The laboratory's MS/MSD QC limits.
- R8 Laboratory analytical duplicate (if applicable) recovery and precision:
 - a) the amount of analyte measured in the duplicate,
 - b) the calculated RPD, and
 - c) the laboratory's QC limits for analytical duplicates.
- R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.
- R10 Other problems or anomalies.
The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Client: Permian Basin Environmental Lab, LP**Project:** 8J31006**WorkOrder:** HS18110027**TRRP Laboratory Data
Package Cover Page**

Release Statement: I am responsible for the release of this laboratory data package. 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 in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by ☐ TCEQ or ☐ _____ on (enter date of last inspection). Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.



Bernadette A. Fini
Project Manager

Laboratory Review Checklist: Reportable Data							
Laboratory Name: ALS Laboratory Group				LRC Date: 11/13/2018			
Project Name: 8J31006				Laboratory Job Number: HS18110027			
Reviewer Name: Bernadette Fini				Prep Batch Number(s): 134294,134314			
# ¹	A ²	Description	Yes	No	NA ³	NR ⁴	ER# ⁵
R1	OI	Chain-of-custody (C-O-C)					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?	X				
R2	OI	Sample and quality control (QC) identification					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	Test reports					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW-846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	Surrogate recovery data					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	Test reports/summary forms for blank samples					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	Laboratory control samples (LCS):					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	OI	Matrix spike (MS) and matrix spike duplicate (MSD) data					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			1
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	Analytical duplicate data					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	Method quantitation limits (MQLs):					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	Other problems/anomalies					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Were all necessary corrective actions performed for the reported data?	X				
		Was applicable and available technology used to lower the SDL and minimize the matrix interference effects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?	X				

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.

O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);

NA = Not Applicable;

NR = Not Reviewed;

R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Supporting Data							
Laboratory Name: ALS Laboratory Group				LRC Date: 11/13/2018			
Project Name: 8J31006				Laboratory Job Number: HS18110027			
Reviewer Name: Bernadette Fini				Prep Batch Number(s): 134294,134314			
# ¹	A ²	Description	Yes	No	NA ³	NR ⁴	ER# ⁵
S1	OI	Initial calibration (ICAL)					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB)					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	Mass spectral tuning:					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4	O	Internal standards (IS):					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	Raw data (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	Dual column confirmation					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	Tentatively identified compounds (TICs):					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	Interference Check Sample (ICS) results:					
		Were percent recoveries within method QC limits?	X				
S9	I	Serial dilutions, post digestion spikes, and method of standard additions					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	OI	Method detection limit (MDL) studies					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	Proficiency test reports:					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	Standards documentation					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	Compound/analyte identification procedures					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	Demonstration of analyst competency (DOC)					
		Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	Verification/validation documentation for methods (NELAC Chap 5 or ISO/IEC 17025 Section 5)					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	Laboratory standard operating procedures (SOPs):					
		Are laboratory SOPs current and on file for each method performed?	X				

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Data	
Laboratory Name: ALS Laboratory Group	LRC Date: 11/13/2018
Project Name: 8J31006	Laboratory Job Number: HS18110027
Reviewer Name: Bernadette Fini	Prep Batch Number(s): 134294,134314
ER#⁵	Description
1	Batch 134294, Metals Method SW6020, sample HS18101676-02, MS and MSD were performed on unrelated sample.
Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period. O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable); NA = Not Applicable; NR = Not Reviewed; R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).	

Client: Permian Basin Environmental Lab, LP
Project: 8J31006
Work Order: HS18110027

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS18110027-01	8J31006-01	Water		30-Oct-2018 10:40	01-Nov-2018 10:25	☐

Client: Permian Basin Environmental Lab, LP
 Project: 8J31006
 Sample ID: 8J31006-01
 Collection Date: 30-Oct-2018 10:40

ANALYTICAL REPORT

WorkOrder:HS18110027
 Lab ID:HS18110027-01
 Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		Method:SW6020		Prep:SW3010A / 06-Nov-2018		Analyst: JCJ	
Aluminum	0.0123		0.00180	0.0100	mg/L	1	12-Nov-2018 23:34
Arsenic	0.00972		0.000400	0.00200	mg/L	1	12-Nov-2018 23:34
Barium	0.727		0.00190	0.00400	mg/L	1	12-Nov-2018 23:34
Boron	1.40		0.0220	0.0400	mg/L	2	13-Nov-2018 11:57
Cadmium	U		0.000200	0.00200	mg/L	1	12-Nov-2018 23:34
Chromium	U		0.000400	0.00400	mg/L	1	12-Nov-2018 23:34
Cobalt	0.00120	J	0.000200	0.00500	mg/L	1	12-Nov-2018 23:34
Copper	0.0155		0.00100	0.00200	mg/L	1	12-Nov-2018 23:34
Iron	0.0520	J	0.0120	0.200	mg/L	1	12-Nov-2018 23:34
Lead	0.00242		0.000600	0.00200	mg/L	1	12-Nov-2018 23:34
Manganese	0.637		0.000700	0.00500	mg/L	1	12-Nov-2018 23:34
Molybdenum	0.0157		0.000600	0.00500	mg/L	1	12-Nov-2018 23:34
Nickel	0.00441		0.000600	0.00200	mg/L	1	12-Nov-2018 23:34
Selenium	U		0.00110	0.00200	mg/L	1	12-Nov-2018 23:34
Silver	U		0.000200	0.00200	mg/L	1	12-Nov-2018 23:34
Zinc	0.0411		0.00200	0.00400	mg/L	1	12-Nov-2018 23:34
MERCURY BY SW7470A		Method:SW7470		Prep:SW7470 / 06-Nov-2018		Analyst: JBA	
Mercury	U		0.0000300	0.000200	mg/L	1	07-Nov-2018 14:02

Note: See Qualifiers Page for a list of qualifiers and their explanation.

WEIGHT LOG

Client: Permian Basin Environmental Lab, LP
Project: 8J31006
WorkOrder: HS18110027

Batch ID: 134294 **Method:** ICP-MS METALS BY SW6020A **Prep:** 3010A

SamplID	Container	Sample Wt/Vol	Final Volume	Prep Factor
HS18110027-01	1	10	10 (mL)	1

Batch ID: 134314 **Method:** MERCURY BY SW7470A **Prep:** HG_WPR

SamplID	Container	Sample Wt/Vol	Final Volume	Prep Factor
HS18110027-01	1	10 (mL)	10 (mL)	1

Client: Permian Basin Environmental Lab, LP
Project: 8J31006
WorkOrder: HS18110027

DATES REPORT

Sample ID	Client Samp ID	Collection Date	TCLP Date	Prep Date	Analysis Date	DF
Batch ID 134294	Test Name : ICP-MS METALS BY SW6020A		Matrix: Water			
HS18110027-01	8J31006-01	30 Oct 2018 10:40		06 Nov 2018 13:00	13 Nov 2018 11:57	2
HS18110027-01	8J31006-01	30 Oct 2018 10:40		06 Nov 2018 13:00	12 Nov 2018 23:34	1
Batch ID 134314	Test Name : MERCURY BY SW7470A		Matrix: Water			
HS18110027-01	8J31006-01	30 Oct 2018 10:40		06 Nov 2018 13:35	07 Nov 2018 14:02	1

WorkOrder: HS18110027

InstrumentID: HG03

Test Code: HG_W

Test Number: SW7470

Test Name: Mercury by SW7470A

**METHOD DETECTION /
REPORTING LIMITS****Matrix:** Aqueous**Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Mercury	7439-97-6	0.000100	0.0000960	0.0000300	0.000200

WorkOrder: HS18110027

InstrumentID: ICPMS05

Test Code: ICP_TW

Test Number: SW6020

Test Name: ICP-MS Metals by SW6020A

**METHOD DETECTION /
REPORTING LIMITS****Matrix:** Aqueous**Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Aluminum	7429-90-5	0.00500	0.00781	0.00180	0.0100
A	Arsenic	7440-38-2	0.00100	0.00103	0.000400	0.00200
A	Barium	7440-39-3	0.00250	0.00287	0.00190	0.00400
A	Boron	7440-42-8	0.0100	0.00983	0.0110	0.0200
A	Cadmium	7440-43-9	0.00100	0.000999	0.000200	0.00200
A	Chromium	7440-47-3	0.00100	0.000863	0.000400	0.00400
A	Cobalt	7440-48-4	0.00100	0.00103	0.000200	0.00500
A	Copper	7440-50-8	0.00200	0.00173	0.00100	0.00200
A	Iron	7439-89-6	0.100	0.105	0.0120	0.200
A	Lead	7439-92-1	0.00100	0.000964	0.000600	0.00200
A	Manganese	7439-96-5	0.00100	0.00140	0.000700	0.00500
A	Molybdenum	7439-98-7	0.00100	0.00101	0.000600	0.00500
A	Nickel	7440-02-0	0.00100	0.000459	0.000600	0.00200
A	Selenium	7782-49-2	0.00200	0.00203	0.00110	0.00200
A	Silver	7440-22-4	0.00100	0.000984	0.000200	0.00200
A	Zinc	7440-66-6	0.00250	0.00208	0.00200	0.00400

Client: Permian Basin Environmental Lab, LP

Project: 8J31006

WorkOrder: HS18110027

QC BATCH REPORT

Batch ID: 134294		Instrument: ICPMS04		Method: SW6020						
MBLK	Sample ID: MBLK-134294	Units: mg/L			Analysis Date: 07-Nov-2018 14:40					
Client ID:	Run ID: ICPMS04_326956	SeqNo: 4808084		PrepDate: 06-Nov-2018		DF: 1				
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual	
Aluminum	U	0.0100								
Arsenic	U	0.00200								
Barium	U	0.00400								
Boron	U	0.0200								
Cadmium	U	0.00200								
Chromium	U	0.00400								
Cobalt	U	0.00500								
Copper	U	0.00200								
Iron	U	0.200								
Lead	U	0.00200								
Manganese	U	0.00500								
Molybdenum	U	0.00500								
Nickel	U	0.00200								
Selenium	U	0.00200								
Silver	U	0.00200								
Zinc	U	0.00400								

Client: Permian Basin Environmental Lab, LP
Project: 8J31006
WorkOrder: HS18110027

QC BATCH REPORT

Batch ID: 134294		Instrument: ICPMS04		Method: SW6020						
MBLK	Sample ID: MBLK-134294	Units: mg/L			Analysis Date: 07-Nov-2018 13:05					
Client ID:	Run ID: ICPMS04_326956	SeqNo: 4807896		PrepDate: 06-Nov-2018		DF: 1				
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.00504	0.0100								J
Arsenic	U	0.00200								
Barium	U	0.00400								
Boron	U	0.0200								
Cadmium	U	0.00200								
Chromium	U	0.00400								
Cobalt	U	0.00500								
Copper	U	0.00200								
Iron	U	0.200								
Lead	U	0.00200								
Manganese	0.002982	0.00500								J
Molybdenum	U	0.00500								
Nickel	U	0.00200								
Selenium	U	0.00200								
Silver	U	0.00200								
Zinc	U	0.00400								

Client: Permian Basin Environmental Lab, LP
Project: 8J31006
WorkOrder: HS18110027

QC BATCH REPORT

Batch ID: 134294		Instrument: ICPMS04		Method: SW6020						
LCS	Sample ID: LCS-134294	Units: mg/L			Analysis Date: 07-Nov-2018 13:07					
Client ID:		Run ID: ICPMS04_326956	SeqNo: 4807897		PrepDate: 06-Nov-2018		DF: 1			
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual	
Aluminum	0.1013	0.0100	0.1	0	101	80 - 120				
Arsenic	0.04662	0.00200	0.05	0	93.2	80 - 120				
Barium	0.04631	0.00400	0.05	0	92.6	80 - 120				
Boron	0.4662	0.0200	0.5	0	93.2	80 - 120				
Cadmium	0.04712	0.00200	0.05	0	94.2	80 - 120				
Chromium	0.04704	0.00400	0.05	0	94.1	80 - 120				
Cobalt	0.04663	0.00500	0.05	0	93.3	80 - 120				
Copper	0.04716	0.00200	0.05	0	94.3	80 - 120				
Iron	4.966	0.200	5	0	99.3	80 - 120				
Lead	0.04557	0.00200	0.05	0	91.1	80 - 120				
Manganese	0.0502	0.00500	0.05	0	100	80 - 120				
Molybdenum	0.0456	0.00500	0.05	0	91.2	80 - 120				
Nickel	0.04756	0.00200	0.05	0	95.1	80 - 120				
Selenium	0.04461	0.00200	0.05	0	89.2	80 - 120				
Silver	0.04741	0.00200	0.05	0	94.8	80 - 120				
Zinc	0.04801	0.00400	0.05	0	96.0	80 - 120				

Client: Permian Basin Environmental Lab, LP
Project: 8J31006
WorkOrder: HS18110027

QC BATCH REPORT

Batch ID: 134294		Instrument: ICPMS04		Method: SW6020						
MS		Sample ID: HS18101676-02MS		Units: mg/L		Analysis Date: 07-Nov-2018 13:14				
Client ID:		Run ID: ICPMS04_326956		SeqNo: 4807900		PrepDate: 06-Nov-2018		DF: 1		
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.1636	0.0100	0.1	0.03856	125	80 - 120				S
Arsenic	0.05067	0.00200	0.05	0.00196	97.4	80 - 120				
Barium	0.1411	0.00400	0.05	0.09565	90.9	80 - 120				
Boron	0.6806	0.0200	0.5	0.2398	88.2	80 - 120				
Cadmium	0.04654	0.00200	0.05	0.000084	92.9	80 - 120				
Chromium	0.04421	0.00400	0.05	-0.000167	88.8	80 - 120				
Cobalt	0.046	0.00500	0.05	0.001059	89.9	80 - 120				
Copper	0.04567	0.00200	0.05	0.000197	90.9	80 - 120				
Iron	5.129	0.200	5	0.3359	95.9	80 - 120				
Lead	0.04596	0.00200	0.05	0.000104	91.7	80 - 120				
Manganese	0.1105	0.00500	0.05	0.06999	81.0	80 - 120				
Molybdenum	0.04899	0.00500	0.05	0.002333	93.3	80 - 120				
Nickel	0.04586	0.00200	0.05	0.002098	87.5	80 - 120				
Selenium	0.05088	0.00200	0.05	0.000901	100.0	80 - 120				
Silver	0.04495	0.00200	0.05	0.000024	89.8	80 - 120				
Zinc	0.163	0.00400	0.05	0.1142	97.6	80 - 120				

Client: Permian Basin Environmental Lab, LP

Project: 8J31006

WorkOrder: HS18110027

QC BATCH REPORT

Batch ID: 134294		Instrument: ICPMS04		Method: SW6020						
MSD		Sample ID: HS18101676-02MSD		Units: mg/L		Analysis Date: 07-Nov-2018 13:16				
Client ID:		Run ID: ICPMS04_326956		SeqNo: 4807901		PrepDate: 06-Nov-2018		DF: 1		
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.1675	0.0100	0.1	0.03856	129	80 - 120	0.1636	2.34	20	S
Arsenic	0.05227	0.00200	0.05	0.00196	101	80 - 120	0.05067	3.11	20	
Barium	0.1416	0.00400	0.05	0.09565	92.0	80 - 120	0.1411	0.393	20	
Boron	0.7042	0.0200	0.5	0.2398	92.9	80 - 120	0.6806	3.41	20	
Cadmium	0.04603	0.00200	0.05	0.000084	91.9	80 - 120	0.04654	1.1	20	
Chromium	0.04673	0.00400	0.05	-0.000167	93.8	80 - 120	0.04421	5.53	20	
Cobalt	0.04779	0.00500	0.05	0.001059	93.5	80 - 120	0.046	3.82	20	
Copper	0.04718	0.00200	0.05	0.000197	94.0	80 - 120	0.04567	3.27	20	
Iron	5.244	0.200	5	0.3359	98.2	80 - 120	5.129	2.22	20	
Lead	0.04688	0.00200	0.05	0.000104	93.5	80 - 120	0.04596	1.98	20	
Manganese	0.1162	0.00500	0.05	0.06999	92.3	80 - 120	0.1105	4.99	20	
Molybdenum	0.0491	0.00500	0.05	0.002333	93.5	80 - 120	0.04899	0.226	20	
Nickel	0.04912	0.00200	0.05	0.002098	94.0	80 - 120	0.04586	6.86	20	
Selenium	0.04575	0.00200	0.05	0.000901	89.7	80 - 120	0.05088	10.6	20	
Silver	0.04666	0.00200	0.05	0.000024	93.3	80 - 120	0.04495	3.73	20	
Zinc	0.1641	0.00400	0.05	0.1142	99.7	80 - 120	0.163	0.641	20	

Client: Permian Basin Environmental Lab, LP
Project: 8J31006
WorkOrder: HS18110027

QC BATCH REPORT

Batch ID: 134294		Instrument: ICPMS04		Method: SW6020					
PDS		Sample ID: HS18101676-02PDS		Units: mg/L		Analysis Date: 07-Nov-2018 13:18			
Client ID:		Run ID: ICPMS04_326956		SeqNo: 4807902		PrepDate: 06-Nov-2018		DF: 1	
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Aluminum	0.1304	0.0100	0.1	0.03856	91.8	75 - 125			
Arsenic	0.09838	0.00200	0.1	0.00196	96.4	75 - 125			
Barium	0.1798	0.00400	0.1	0.09565	84.1	75 - 125			
Boron	1.222	0.0200	1	0.2398	98.3	75 - 125			
Cadmium	0.0926	0.00200	0.1	0.000084	92.5	75 - 125			
Chromium	0.08919	0.00400	0.1	-0.000167	89.4	75 - 125			
Cobalt	0.08889	0.00500	0.1	0.001059	87.8	75 - 125			
Copper	0.08781	0.00200	0.1	0.000197	87.6	75 - 125			
Iron	9.589	0.200	10	0.3359	92.5	75 - 125			
Lead	0.09074	0.00200	0.1	0.000104	90.6	75 - 125			
Manganese	0.1567	0.00500	0.1	0.06999	86.7	75 - 125			
Molybdenum	0.0918	0.00500	0.1	0.002333	89.5	75 - 125			
Nickel	0.08884	0.00200	0.1	0.002098	86.7	75 - 125			
Selenium	0.1016	0.00200	0.1	0.000901	101	75 - 125			
Silver	0.08762	0.00200	0.1	0.000024	87.6	75 - 125			
Zinc	0.1986	0.00400	0.1	0.1142	84.4	75 - 125			

Client: Permian Basin Environmental Lab, LP
Project: 8J31006
WorkOrder: HS18110027

QC BATCH REPORT

Batch ID: 134294		Instrument: ICPMS04		Method: SW6020						
SD	Sample ID: HS18101676-02SD	Units: mg/L		Analysis Date: 07-Nov-2018 13:11						
Client ID:	Run ID: ICPMS04_326956	SeqNo: 4807899		PrepDate: 06-Nov-2018		DF: 5				
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Aluminum	0.04641	0.0500					0.03856	0	10	J
Arsenic	0.007374	0.0100					0.00196	0	10	J
Barium	0.0981	0.0200					0.09565	2.56	10	
Cadmium	U	0.0100					0.000084	0	10	
Chromium	U	0.0200					-0.000167	0	10	
Cobalt	0.001337	0.0250					0.001059	0	10	J
Copper	U	0.0100					0.000197	0	10	
Iron	0.5164	1.00					0.3359	0	10	J
Lead	U	0.0100					0.000104	0	10	
Molybdenum	U	0.0250					0.002333	0	10	
Nickel	U	0.0100					0.002098	0	10	
Selenium	U	0.0100					0.000901	0	10	
Silver	U	0.0100					0.000024	0	10	
Zinc	0.1183	0.0200					0.1142	3.52	10	

The following samples were analyzed in this batch: HS18110027-01

Client: Permian Basin Environmental Lab, LP
Project: 8J31006
WorkOrder: HS18110027

QC BATCH REPORT

Batch ID: 134314		Instrument: HG03		Method: SW7470						
MBLK	Sample ID: MBLK-134314	Units: mg/L			Analysis Date: 07-Nov-2018 13:58					
Client ID:		Run ID: HG03_326976		SeqNo: 4808183		PrepDate: 06-Nov-2018		DF: 1		
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	RPD Qual
Mercury	U	0.000200								

LCS	Sample ID: LCS-134314	Units: mg/L			Analysis Date: 07-Nov-2018 14:00					
Client ID:		Run ID: HG03_326976		SeqNo: 4808184		PrepDate: 06-Nov-2018		DF: 1		
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	RPD Qual
Mercury	0.00498	0.000200	0.005	0	99.6	80 - 120				

MS	Sample ID: HS18110027-01MS	Units: mg/L			Analysis Date: 07-Nov-2018 14:03					
Client ID: 8J31006-01		Run ID: HG03_326976		SeqNo: 4808186		PrepDate: 06-Nov-2018		DF: 1		
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	RPD Qual
Mercury	0.00453	0.000200	0.005	-0.000003	90.7	75 - 125				

MSD	Sample ID: HS18110027-01MSD	Units: mg/L			Analysis Date: 07-Nov-2018 14:09					
Client ID: 8J31006-01		Run ID: HG03_326976		SeqNo: 4808187		PrepDate: 06-Nov-2018		DF: 1		
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	RPD Qual
Mercury	0.0045	0.000200	0.005	-0.000003	90.1	75 - 125	0.00453	0.664	20	

The following samples were analyzed in this batch: HS18110027-01

Client: Permian Basin Environmental Lab, LP
Project: 8J31006
WorkOrder: HS18110027

**QUALIFIERS,
ACRONYMS, UNITS**

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
North Carolina	624-2018	31-Dec-2018
Arkansas	88-0356	27-Mar-2019
Texas	T10470231-18-21	30-Apr-2019
North Dakota	R193 2018-2019	30-Apr-2019
Illinois	004438	29-Jun-2019
Louisiana	03087	30-Jun-2019
Dept of Defense	ANAB L2231	22-Dec-2018
Kentucky	123043 - 2018	30-Apr-2019
Kansas	E-10352 2018-2019	31-Jul-2019
Oklahoma	2018-156	31-Aug-2019

Sample Receipt Checklist

Client Name: Permian Basin Lab

Date/Time Received: **01-Nov-2018 10:25**

Work Order: HS18110027

Received by: **JRM**

Checklist completed by:	<u>Pablo Martinez</u>	1-Nov-2018	Reviewed by:	<u>Bernadette A. Fini</u>	1-Nov-2018
	eSignature	Date		eSignature	Date

Matrices: **WATER**Carrier name: **FedEx Priority Overnight**

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
TX1005 solids received in hermetically sealed vials?	Yes ☐	No ☐	N/A ☒
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	

Temperature(s)/Thermometer(s):

1.8C/1.4C UC/C

IR # 11

Cooler(s)/Kit(s):

RED

Date/Time sample(s) sent to storage:

11/1/18 13:20

Water - VOA vials have zero headspace?

Yes ☐ No ☐ No VOA vials submitted ☒

Water - pH acceptable upon receipt?

Yes ☒ No ☐ N/A ☐

pH adjusted?

Yes ☐ No ☒ N/A ☐

pH adjusted by:

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

Corrective Action:



CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701

Phone: 432-686-7235

Project Manager: Brent Barron

Company Name: PBEL

Company Address: 1400 Rankin HWY

City/State/Zip: Midland Texas 79701

Telephone No: 432-661-4184

Fax No:

Sampler Signature: N/A

e-mail: brentbarron@pbelab.com

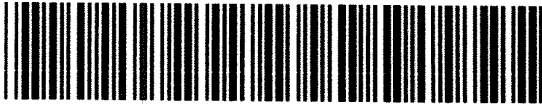
Project Name: SUBCONTRACT

Project #:

Project Loc:

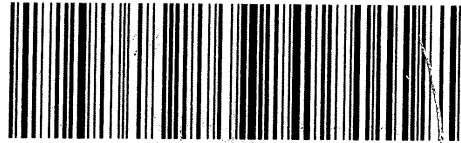
PO #:

Report Format: Standard ☒ TRRP ☐ NPDES

(lab use only)		Analyze For:																					
ORDER #:																							
LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Ice	HNO ₃ 500 mL Poly 3 250 poly 1	HCl 2x 40mL VOA	H ₂ SO ₄ 1 Amber 500/250 poly	NaOH/ZnAc 250 Poly 1	Na ₂ S ₂ O ₃	None 250 poly 1/ 500mL amber	NaOH/ZnAc	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Matrix	As, Ag, Ba, Cd, Cr, Pb, Se, Al, B, Co, Cu	Fe, Mn, Mo, Ni, Zn by 6020	Hg by 7470	7 day TAT		
	8J31006-01			10/30/2018	1040	1	x	x								w	x	x	x		x		
HS18110027 Permian Basin Environmental Lab, LP 8J31006 																							
Special Instructions:																		Laboratory Comments:					
Relinquished by: Brent Barron																		Sample Containers Intact?				Y	N
Relinquished by:																		VOCs Free of Headspace?				Y	N
Relinquished by:																		Labels on container(s)				Y	N
Relinquished by:																		Custody seals on container(s)				Y	N
Relinquished by:																		Custody seals on cooler(s)				Y	N
Relinquished by:																		Sample Hand Delivered				Y	N
Relinquished by:																		by Sampler/Client Rep. ?				Y	N
Relinquished by:																		by Courier? UPS DHL FedEx Lone Star					
Relinquished by:																		Temperature Upon Receipt:					
Relinquished by:																		Received: °C					
Relinquished by:																		Adjusted: °C Factor					

Cooler - Red
Temp 1.8
11/11 CF-0.4

THU - 01 NOV 3:00P
STANDARD OVERNIGHT
AHS
77099
IAH
TX-US
TRK# 8126 1046 4347
0200
AB SGRA RED



**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Curt Stanley
TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland, TX 79705

Project: 97-04
Project Number: TNM 97-04
Location: Lea County, New Mexico
Lab Order Number: 8K30001



NELAP/TCEQ # T104704516-17-8

Report Date: 12/17/18

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-10	8K30001-01	Water	11/27/18 11:42	11-28-2018 08:45
MW-14	8K30001-02	Water	11/27/18 12:10	11-28-2018 08:45
Frac Tank	8K30001-03	Water	11/27/18 12:57	11-28-2018 08:45
Pre Carbon	8K30001-04	Water	11/27/18 12:32	11-28-2018 08:45
Blank	8K30001-05	Water	11/27/18 11:30	11-28-2018 08:45

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

MW-10
8K30001-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Total Metals by EPA / Standard Methods

Manganese	0.0372	0.00800	mg/L	1	P8L0402	12/04/18	12/05/18	EPA 6010B	QAL2
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Metals by EPA 6000/7000 Series Methods

Boron	0.186	0.00800	mg/L	1	P8L0402	12/04/18	12/05/18	EPA 6010B	QAL2
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TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

MW-14

8K30001-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Total Metals by EPA / Standard Methods

Manganese	0.332	0.00800	mg/L	1	P8L0402	12/04/18	12/05/18	EPA 6010B	QAL2
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Metals by EPA 6000/7000 Series Methods

Boron	0.147	0.00800	mg/L	1	P8L0402	12/04/18	12/05/18	EPA 6010B	QAL2
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TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Frac Tank
8K30001-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Total Metals by EPA / Standard Methods

Manganese	0.110	0.00800	mg/L	1	P8L0402	12/04/18	12/05/18	EPA 6010B	QAL2
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Metals by EPA 6000/7000 Series Methods

Boron	0.152	0.00800	mg/L	1	P8L0402	12/04/18	12/05/18	EPA 6010B	QAL2
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TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Pre Carbon
8K30001-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Total Metals by EPA / Standard Methods

Manganese	0.0572	0.00800	mg/L	1	P8L0402	12/04/18	12/05/18	EPA 6010B	QAL2
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Metals by EPA 6000/7000 Series Methods

Boron	0.163	0.00800	mg/L	1	P8L0402	12/04/18	12/05/18	EPA 6010B	QAL2
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TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Blank
8K30001-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Total Metals by EPA / Standard Methods

Manganese	ND	0.00800	mg/L	1	P8L0402	12/04/18	12/05/18	EPA 6010B	QAL2
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Metals by EPA 6000/7000 Series Methods

Boron	0.0416	0.00800	mg/L	1	P8L0402	12/04/18	12/05/18	EPA 6010B	QAL2
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TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P8L0402 - *** DEFAULT PREP ***										
Blank (P8L0402-BLK1)				Prepared: 12/04/18 Analyzed: 12/05/18						
Manganese	ND	0.00800	mg/L							QAL2
LCS (P8L0402-BS1)				Prepared: 12/04/18 Analyzed: 12/05/18						
Manganese	2.12	0.00800	mg/L	2.00		106	80-120			QAL2
LCS Dup (P8L0402-BSD1)				Prepared: 12/04/18 Analyzed: 12/05/18						
Manganese	2.13	0.00800	mg/L	2.00		107	80-120	0.669	20	QAL2
Duplicate (P8L0402-DUP1)				Source: 8K30001-05		Prepared: 12/04/18 Analyzed: 12/05/18				
Manganese	ND	0.00800	mg/L		ND				20	QAL2
Matrix Spike (P8L0402-MS1)				Source: 8K30001-05		Prepared: 12/04/18 Analyzed: 12/05/18				
Manganese	2.24	0.00800	mg/L	2.00	ND	112	75-125			QAL2
Reference (P8L0402-SRM1)				Prepared: 12/04/18 Analyzed: 12/05/18						
Manganese	0.860		mg/L	0.583		147	50-150			QAL2

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Metals by EPA 6000/7000 Series Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P8L0402 - *** DEFAULT PREP ***										
Blank (P8L0402-BLK1)				Prepared: 12/04/18 Analyzed: 12/05/18						
Boron	ND	0.00800	mg/L							QAL2
LCS (P8L0402-BS1)				Prepared: 12/04/18 Analyzed: 12/05/18						
Boron	2.30	0.00800	mg/L	2.00		115	80-120			QAL2
LCS Dup (P8L0402-BSD1)				Prepared: 12/04/18 Analyzed: 12/05/18						
Boron	2.27	0.00800	mg/L	2.00		114	80-120	1.30	20	QAL2
Duplicate (P8L0402-DUP1)				Source: 8K30001-05		Prepared: 12/04/18 Analyzed: 12/05/18				
Boron	0.0432	0.00800	mg/L		0.0416			3.76	20	QAL2
Matrix Spike (P8L0402-MS1)				Source: 8K30001-05		Prepared: 12/04/18 Analyzed: 12/05/18				
Boron	2.42	0.00800	mg/L	2.00	0.0416	119	75-125			QAL2
Reference (P8L0402-SRM1)				Prepared: 12/04/18 Analyzed: 12/05/18						
Boron	1.36		mg/L	1.12		121	50-150			QAL2

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Notes and Definitions

QAL2 Certification in process for this analyte.
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
LCS Laboratory Control Spike
MS Matrix Spike
Dup Duplicate

Report Approved By:



Date:

12/17/2018

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Curt Stanley
TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland, TX 79705

Project: 97-04
Project Number: TNM 97-04
Location: Lea County, NM
Lab Order Number: 9D25005



NELAP/TCEQ # T104704516-18-9

Report Date: 05/27/19

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Post	9D25005-01	Water	04/22/19 11:05	04-25-2019 16:54

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Post
9D25005-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Total Metals by EPA / Standard Methods

Silver	ND	0.00800	mg/L	1	P9D3003	04/30/19	05/01/19	EPA 6010B	QAL1
Arsenic	ND	0.00800	mg/L	1	P9D3003	04/30/19	05/01/19	EPA 6010B	QAL1
Barium	0.159	0.00800	mg/L	1	P9D3003	04/30/19	05/01/19	6010B	QAL1
Cadmium	ND	0.00800	mg/L	1	P9D3003	04/30/19	05/01/19	EPA 6010B	QAL1
Cobalt	ND	0.00800	mg/L	1	P9D3003	04/30/19	05/01/19	EPA 6010B	QAL1
Chromium	ND	0.00800	mg/L	1	P9D3003	04/30/19	05/01/19	EPA 6010B	QAL1
Copper	0.0185	0.00800	mg/L	1	P9D3003	04/30/19	05/01/19	EPA 6010B	QAL1
Iron	0.246	0.00800	mg/L	1	P9D3003	04/30/19	05/01/19	EPA 6010B	QAL1
Mercury	ND	0.250	ug/l	1	P9D3004	04/30/19	05/02/19	EPA 7470A	QAL1
Manganese	0.400	0.00800	mg/L	1	P9D3003	04/30/19	05/01/19	EPA 6010B	QAL1
Molybdenum	0.0411	0.00800	mg/L	1	P9D3003	04/30/19	05/01/19	EPA 6010B	QAL1
Nickel	ND	0.0080	mg/L	1	P9D3003	04/30/19	05/01/19	EPA 6010B	QAL1
Lead	0.0124	0.00800	mg/L	1	P9D3003	04/30/19	05/01/19	EPA 6010B	QAL1
Selenium	ND	0.00800	mg/L	1	P9D3003	04/30/19	05/01/19	EPA 6010B	QAL1
Zinc	0.0175	0.00800	mg/L	1	P9D3003	04/30/19	05/01/19	EPA 6010B	QAL1

Metals by EPA 6000/7000 Series Methods

Boron	0.234	0.00800	mg/L	1	P9D3003	04/30/19	05/01/19	EPA 6010B	QAL1
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TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Post

9D25005-01RE1 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Total Metals by EPA / Standard Methods

Silver	ND	0.00500	mg/L	1	P9E0703	05/07/19	05/07/19	EPA 6010B	QAL1
Aluminum	0.111	0.0550	mg/L	1	P9E0703	05/07/19	05/07/19	EPA 6010B	QAL1
Manganese	0.408	0.0200	mg/L	1	P9E0703	05/07/19	05/07/19	EPA 6010B	QAL1
Zinc	0.0307	0.00100	mg/L	1	P9E0703	05/07/19	05/07/19	EPA 6010B	QAL1

Metals by EPA 6000/7000 Series Methods

Boron	0.196	0.0520	mg/L	1	P9E0703	05/07/19	05/07/19	EPA 6010B	QAL1
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TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9D3003 - * DEFAULT PREP *****

Blank (P9D3003-BLK1)

Prepared: 04/30/19 Analyzed: 05/01/19

Selenium	ND	0.00800	mg/L							QAL1
Cobalt	ND	0.00800	"							QAL1
Cadmium	ND	0.00800	"							QAL1
Lead	ND	0.00800	"							QAL1
Barium	ND	0.00800	"							QAL1
Nickel	ND	0.0080	"							QAL1
Arsenic	ND	0.00800	"							QAL1
Chromium	ND	0.00800	"							QAL1
Molybdenum	ND	0.00800	"							QAL1
Silver	ND	0.0200	"							QAL1
Iron	ND	0.00800	"							QAL1
Zinc	ND	0.00800	"							QAL1
Copper	ND	0.00800	"							QAL1
Manganese	ND	0.00800	"							QAL1

LCS (P9D3003-BS1)

Prepared: 04/30/19 Analyzed: 05/01/19

Manganese	0.0446	0.00800	mg/L	0.0400		111	80-120			QAL1
Selenium	0.0465	0.00800	"	0.0400		116	80-120			QAL1
Lead	0.0421	0.00800	"	0.0400		105	80-120			QAL1
Nickel	0.0455	0.0080	"	0.0400		114	80-120			QAL1
Zinc	0.0480	0.00800	"	0.0400		120	75-125			QAL1
Molybdenum	0.0412	0.00800	"	0.0400		103	80-120			QAL1
Chromium	0.0409	0.00800	"	0.0400		102	80-120			QAL1
Arsenic	0.0443	0.00800	"	0.0400		111	80-120			QAL1
Copper	0.0482	0.00800	"	0.0400		121	75-125			QAL1
Cadmium	0.0443	0.00800	"	0.0400		111	80-120			QAL1
Iron	0.0477	0.00800	"	0.0400		119	80-120			QAL1
Barium	0.0406	0.00800	"	0.0400		102	80-120			QAL1
Cobalt	0.0439	0.00800	"	0.0400		110	80-120			QAL1
Silver	0.0661	0.00800	"	0.0400		165	80-120			L, QAL1

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9D3003 - * DEFAULT PREP *****

LCS Dup (P9D3003-BSD1)

Prepared: 04/30/19 Analyzed: 05/01/19

Copper	0.0491	0.00800	mg/L	0.0400		123	75-125	1.79	20	QAL1
Selenium	0.0481	0.00800	"	0.0400		120	80-120	3.27	20	QAL1
Manganese	0.0445	0.00800	"	0.0400		111	80-120	0.189	20	QAL1
Iron	0.0476	0.00800	"	0.0400		119	80-120	0.310	20	QAL1
Lead	0.0419	0.00800	"	0.0400		105	80-120	0.519	20	QAL1
Cobalt	0.0445	0.00800	"	0.0400		111	80-120	1.31	20	QAL1
Arsenic	0.0433	0.00800	"	0.0400		108	80-120	2.28	20	QAL1
Nickel	0.0463	0.0080	"	0.0400		116	80-120	1.80	20	QAL1
Barium	0.0405	0.00800	"	0.0400		101	80-120	0.381	20	QAL1
Molybdenum	0.0425	0.00800	"	0.0400		106	80-120	3.15	20	QAL1
Chromium	0.0403	0.00800	"	0.0400		101	80-120	1.53	20	QAL1
Cadmium	0.0445	0.00800	"	0.0400		111	80-120	0.481	20	QAL1
Zinc	0.0486	0.00800	"	0.0400		121	75-125	1.11	20	QAL1
Silver	0.0679	0.00800	"	0.0400		170	80-120	2.74	20	L, QAL1

Duplicate (P9D3003-DUP1)

Source: 9D25005-01

Prepared: 04/30/19 Analyzed: 05/01/19

Selenium	0.00881	0.00800	mg/L		ND				20	QAL1
Zinc	0.0155	0.00800	"		0.0175			11.8	20	QAL1
Lead	0.0150	0.00800	"		0.0124			18.6	20	QAL1
Nickel	ND	0.0080	"		ND				20	QAL1
Molybdenum	0.0423	0.00800	"		0.0411			2.99	20	QAL1
Manganese	0.409	0.00800	"		0.400			2.23	20	QAL1
Iron	0.253	0.00800	"		0.246			2.63	20	QAL1
Copper	0.0191	0.00800	"		0.0185			3.19	20	QAL1
Cobalt	ND	0.00800	"		ND				20	QAL1
Cadmium	ND	0.00800	"		ND				20	QAL1
Barium	0.162	0.00800	"		0.159			1.67	20	QAL1
Arsenic	0.00989	0.00800	"		ND				20	QAL1
Silver	ND	0.00800	"		ND				20	QAL1
Chromium	ND	0.00800	"		ND				20	QAL1

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9D3003 - * DEFAULT PREP *****

Matrix Spike (P9D3003-MS1)

Source: 9D25005-01

Prepared: 04/30/19 Analyzed: 05/01/19

Silver	0.114	0.00800	mg/L	0.0800	ND	143	75-125			QAL1
Cobalt	0.0860	0.00800	"	0.0800	ND	107	75-125			QAL1
Zinc	0.112	0.00800	"	0.0800	0.0175	118	75-125			QAL1
Molybdenum	0.124	0.00800	"	0.0800	0.0411	104	75-125			QAL1
Barium	0.237	0.00800	"	0.0800	0.159	96.5	75-125			QAL1
Chromium	0.0771	0.00800	"	0.0800	ND	96.4	75-125			QAL1
Copper	0.107	0.00800	"	0.0800	0.0185	110	75-125			QAL1
Nickel	0.0926	0.0080	"	0.0800	ND	116	75-125			QAL1
Arsenic	0.0966	0.00800	"	0.0800	ND	121	75-125			QAL1
Iron	0.334	0.00800	"	0.0800	0.246	110	75-125			QAL1
Cadmium	0.0887	0.00800	"	0.0800	ND	111	75-125			QAL1
Lead	0.0919	0.00800	"	0.0800	0.0124	99.3	75-125			QAL1
Selenium	0.0957	0.00800	"	0.0800	ND	120	75-125			QAL1
Manganese	0.486	0.00800	"	0.0800	0.400	108	75-125			QAL1

Matrix Spike Dup (P9D3003-MSD1)

Source: 9D25005-01

Prepared: 04/30/19 Analyzed: 05/01/19

Copper	0.108	0.00800	mg/L	0.0800	0.0185	112	75-125	1.07	20	QAL1
Arsenic	0.0968	0.00800	"	0.0800	ND	121	75-125	0.247	20	QAL1
Manganese	0.486	0.00800	"	0.0800	0.400	108	75-125	0.135	20	QAL1
Barium	0.237	0.00800	"	0.0800	0.159	97.3	75-125	0.263	20	QAL1
Cadmium	0.0904	0.00800	"	0.0800	ND	113	75-125	1.91	20	QAL1
Cobalt	0.0881	0.00800	"	0.0800	ND	110	75-125	2.41	20	QAL1
Iron	0.379	0.00800	"	0.0800	0.246	166	75-125	12.5	20	QAL1
Silver	0.114	0.00800	"	0.0800	ND	142	75-125	0.224	20	QAL1
Molybdenum	0.125	0.00800	"	0.0800	0.0411	105	75-125	0.937	20	QAL1
Zinc	0.115	0.00800	"	0.0800	0.0175	123	75-125	3.32	20	QAL1
Chromium	0.0787	0.00800	"	0.0800	ND	98.3	75-125	1.95	20	QAL1
Selenium	0.0965	0.00800	"	0.0800	ND	121	75-125	0.761	20	QAL1
Lead	0.0937	0.00800	"	0.0800	0.0124	102	75-125	1.94	20	QAL1
Nickel	0.0958	0.0080	"	0.0800	ND	120	75-125	3.39	20	QAL1

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9D3003 - * DEFAULT PREP *****

Dilution Check (P9D3003-SRL1)		Source: 9D25005-01		Prepared: 04/30/19		Analyzed: 05/01/19				
Copper	0.00920	0.00800	mg/L		0.0185			67.3	200	QAL1
Cadmium	ND	0.00800	"		ND				200	QAL1
Chromium	ND	0.00800	"		ND				200	QAL1
Manganese	0.0912	0.00800	"		0.400			126	200	QAL1
Silver	ND	0.00800	"		ND				200	QAL1
Lead	ND	0.00800	"		0.0124				200	QAL1
Barium	0.0375	0.00800	"		0.159			124	200	QAL1
Molybdenum	0.00861	0.00800	"		0.0411			131	200	QAL1
Arsenic	ND	0.00800	"		ND				200	QAL1
Nickel	ND	0.00800	"		ND				200	QAL1
Iron	0.0586	0.00800	"		0.246			123	200	QAL1
Selenium	ND	0.00800	"		ND				200	QAL1
Zinc	ND	0.00800	"		0.0175				200	QAL1
Cobalt	ND	0.00800	"		ND				200	QAL1

Reference (P9D3003-SRM1)				Prepared: 04/30/19		Analyzed: 05/01/19				
Arsenic	0.0127		mg/L	0.0117	108	80-120				QAL1
Selenium	0.0618		"	0.0500	124	80-120				QAL1
Lead	0.0729		"	0.0583	125	80-120				QAL1
Copper	1.14		"	1.03	111	80-120				QAL1
Cadmium	0.0375		"	0.0333	113	80-120				QAL1
Barium	0.947		"	0.983	96.3	80-120				QAL1
Chromium	0.130		"	0.133	98.0	80-120				QAL1
Nickel	0.190		"	0.167	114	80-120				QAL1

Reference (P9D3003-SRM2)				Prepared: 04/30/19		Analyzed: 05/01/19				
Molybdenum	0.0338		mg/L	0.0333	102	80-120				QAL1
Manganese	0.361		"	0.350	103	80-120				QAL1
Iron	1.54		"	1.38	112	80-120				QAL1
Silver	0.502		"	0.100	502	80-120				QAL1
Zinc	1.30		"	1.12	116	80-120				QAL1

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9D3004 - * DEFAULT PREP *****

Blank (P9D3004-BLK1)

Prepared: 04/30/19 Analyzed: 05/02/19

Mercury	ND	0.250	ug/l							QAL1
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LCS (P9D3004-BS1)

Prepared: 04/30/19 Analyzed: 05/02/19

Mercury	1.99	0.250	ug/l	2.00		99.5	80-120			QAL1
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LCS Dup (P9D3004-BSD1)

Prepared: 04/30/19 Analyzed: 05/02/19

Mercury	1.98	0.250	ug/l	2.00		99.0	80-120	0.504	20	QAL1
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Matrix Spike (P9D3004-MS1)

Source: 9D25005-01

Prepared: 04/30/19 Analyzed: 05/02/19

Mercury	1.28	0.250	ug/l	2.00	ND	64.0	75-125			QAL1, QM-07
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Matrix Spike Dup (P9D3004-MSD1)

Source: 9D25005-01

Prepared: 04/30/19 Analyzed: 05/02/19

Mercury	1.25	0.250	ug/l	2.00	ND	62.5	75-125	2.37	20	QAL1, QM-07
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Batch P9E0703 - * DEFAULT PREP *****

Blank (P9E0703-BLK1)

Prepared & Analyzed: 05/07/19

Silver	ND	0.00500	mg/L							QAL1
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Zinc	0.000602	0.00100	"							QAL1
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Aluminum	ND	0.0550	"							QAL1
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Manganese	ND	0.0200	"							QAL1
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LCS (P9E0703-BS1)

Prepared & Analyzed: 05/07/19

Zinc	0.225	0.00100	mg/L	0.200		113	75-125			QAL1
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Aluminum	0.147	0.0550	"	0.200		73.4	70-130			QAL1
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Manganese	0.238	0.0200	"	0.200		119	75-120			QAL1
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Silver	0.168	0.00500	"	0.200		84.1	80-120			QAL1
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TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9E0703 - * DEFAULT PREP *****

LCS Dup (P9E0703-BSD1)

Prepared & Analyzed: 05/07/19

Manganese	0.251	0.0200	mg/L	0.200		125	75-125	5.22	20	QAL1
Aluminum	0.163	0.0550	"	0.200		81.5	70-130	10.4	20	QAL1
Zinc	0.244	0.00100	"	0.200		122	75-125	8.10	20	QAL1
Silver	0.190	0.00500	"	0.200		95.1	75-125	12.2	20	QAL1

Duplicate (P9E0703-DUP1)

Source: 9D25005-01RE1

Prepared & Analyzed: 05/07/19

Zinc	0.0320	0.00100	mg/L		0.0307			4.10	20	QAL1
Silver	ND	0.00500	"		ND				20	QAL1
Manganese	0.407	0.0200	"		0.408			0.260	20	QAL1
Aluminum	0.111	0.0550	"		0.111			0.302	20	QAL1

Matrix Spike (P9E0703-MS1)

Source: 9D25005-01RE1

Prepared & Analyzed: 05/07/19

Silver	0.170	0.00500	mg/L	0.200	ND	85.1	75-125			QAL1
Zinc	0.255	0.00100	"	0.200	0.0307	112	75-125			QAL1
Manganese	0.574	0.0200	"	0.200	0.408	82.9	75-125			QAL1
Aluminum	0.251	0.0550	"	0.200	0.111	70.3	70-130			QAL1

Matrix Spike Dup (P9E0703-MSD1)

Source: 9D25005-01RE1

Prepared & Analyzed: 05/07/19

Silver	0.172	0.00500	mg/L	0.200	ND	85.8	75-125	0.884	20	QAL1
Manganese	0.578	0.0200	"	0.200	0.408	85.0	75-125	0.712	20	QAL1
Zinc	0.262	0.00100	"	0.200	0.0307	115	75-125	2.51	20	QAL1
Aluminum	0.251	0.0550	"	0.200	0.111	70.2	70-130	0.0288	20	QAL1

Dilution Check (P9E0703-SRL1)

Source: 9D25005-01RE1

Prepared & Analyzed: 05/07/19

Aluminum	0.0916	0.0550	mg/L		0.111			18.9	200	QAL1
Silver	ND	0.00500	"		ND				200	QAL1
Zinc	0.0321	0.00100	"		0.0307			4.46	200	QAL1
Manganese	0.454	0.0200	"		0.408			10.6	200	QAL1

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9E0703 - * DEFAULT PREP *****

Reference (P9E0703-SRM1)

Prepared & Analyzed: 05/07/19

Aluminum	0.324		mg/L	0.467		69.3	60-140			QAL1
Silver	0.454		"	0.767		59.2	50-120			QAL1
Manganese	1.66		"	1.68		99.1	80-120			QAL1
Zinc	1.65		"	1.62		102	80-120			QAL1

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Metals by EPA 6000/7000 Series Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P9D3003 - *** DEFAULT PREP ***										
Blank (P9D3003-BLK1)				Prepared: 04/30/19 Analyzed: 05/01/19						
Boron	ND	0.00800	mg/L							QAL1
LCS (P9D3003-BS1)				Prepared: 04/30/19 Analyzed: 05/01/19						
Boron	0.0485	0.00800	mg/L	0.0400		121	75-125			QAL1
LCS Dup (P9D3003-BSD1)				Prepared: 04/30/19 Analyzed: 05/01/19						
Boron	0.0492	0.00800	mg/L	0.0400		123	75-125	1.28	20	QAL1
Duplicate (P9D3003-DUP1)				Source: 9D25005-01		Prepared: 04/30/19 Analyzed: 05/01/19				
Boron	0.236	0.00800	mg/L		0.234			0.863	20	QAL1
Matrix Spike (P9D3003-MS1)				Source: 9D25005-01		Prepared: 04/30/19 Analyzed: 05/01/19				
Boron	0.328	0.00800	mg/L	0.0800	0.234	117	75-125			QAL1
Matrix Spike Dup (P9D3003-MSD1)				Source: 9D25005-01		Prepared: 04/30/19 Analyzed: 05/01/19				
Boron	0.331	0.00800	mg/L	0.0800	0.234	121	75-125	0.928	20	QAL1
Dilution Check (P9D3003-SRL1)				Source: 9D25005-01		Prepared: 04/30/19 Analyzed: 05/01/19				
Boron	0.0497	0.00800	mg/L		0.234			130	200	QAL1
Reference (P9D3003-SRM2)				Prepared: 04/30/19 Analyzed: 05/01/19						
Boron	2.05		mg/L	1.12		183	80-120			QAL1
Batch P9E0703 - *** DEFAULT PREP ***										
Blank (P9E0703-BLK1)				Prepared & Analyzed: 05/07/19						
Boron	ND	0.0520	mg/L							QAL1

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Metals by EPA 6000/7000 Series Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P9E0703 - *** DEFAULT PREP ***										
LCS (P9E0703-BS1)				Prepared & Analyzed: 05/07/19						
Boron	0.215	0.0520	mg/L	0.200		108	80-120			QAL1
LCS Dup (P9E0703-BSD1)				Prepared & Analyzed: 05/07/19						
Boron	0.235	0.0520	mg/L	0.200		117	80-120	8.73	20	QAL1
Duplicate (P9E0703-DUP1)				Source: 9D25005-01RE1		Prepared & Analyzed: 05/07/19				
Boron	0.199	0.0520	mg/L		0.196			1.44	20	QAL1
Matrix Spike (P9E0703-MS1)				Source: 9D25005-01RE1		Prepared & Analyzed: 05/07/19				
Boron	0.398	0.0520	mg/L	0.200	0.196	101	75-125			QAL1
Matrix Spike Dup (P9E0703-MSD1)				Source: 9D25005-01RE1		Prepared & Analyzed: 05/07/19				
Boron	0.405	0.0520	mg/L	0.200	0.196	105	75-125	1.79	20	QAL1
Dilution Check (P9E0703-SRL1)				Source: 9D25005-01RE1		Prepared & Analyzed: 05/07/19				
Boron	0.222	0.0520	mg/L		0.196			12.4	200	QAL1

Notes and Definitions

ROI	Received on Ice
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QAL1	The Laboratory is not TNI Certified for this analyte or analysis.
L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By:



Date:

5/27/2019

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Curt Stanley
TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland, TX 79705

Project: 97-04
Project Number: TNM 97-04
Location: Lea County, NM
Lab Order Number: 9D25005



NELAP/TCEQ # T104704516-18-9

Report Date: 05/27/19

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Post	9D25005-01	Water	04/22/19 11:05	04-25-2019 16:54

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Post
9D25005-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Total Metals by EPA / Standard Methods

Silver	ND	0.00800	mg/L	1	P9D3003	04/30/19	05/01/19	EPA 6010B	QAL1
Arsenic	ND	0.00800	mg/L	1	P9D3003	04/30/19	05/01/19	EPA 6010B	QAL1
Barium	0.159	0.00800	mg/L	1	P9D3003	04/30/19	05/01/19	6010B	QAL1
Cadmium	ND	0.00800	mg/L	1	P9D3003	04/30/19	05/01/19	EPA 6010B	QAL1
Cobalt	ND	0.00800	mg/L	1	P9D3003	04/30/19	05/01/19	EPA 6010B	QAL1
Chromium	ND	0.00800	mg/L	1	P9D3003	04/30/19	05/01/19	EPA 6010B	QAL1
Copper	0.0185	0.00800	mg/L	1	P9D3003	04/30/19	05/01/19	EPA 6010B	QAL1
Iron	0.246	0.00800	mg/L	1	P9D3003	04/30/19	05/01/19	EPA 6010B	QAL1
Mercury	ND	0.250	ug/l	1	P9D3004	04/30/19	05/02/19	EPA 7470A	QAL1
Manganese	0.400	0.00800	mg/L	1	P9D3003	04/30/19	05/01/19	EPA 6010B	QAL1
Molybdenum	0.0411	0.00800	mg/L	1	P9D3003	04/30/19	05/01/19	EPA 6010B	QAL1
Nickel	ND	0.0080	mg/L	1	P9D3003	04/30/19	05/01/19	EPA 6010B	QAL1
Lead	0.0124	0.00800	mg/L	1	P9D3003	04/30/19	05/01/19	EPA 6010B	QAL1
Selenium	ND	0.00800	mg/L	1	P9D3003	04/30/19	05/01/19	EPA 6010B	QAL1
Zinc	0.0175	0.00800	mg/L	1	P9D3003	04/30/19	05/01/19	EPA 6010B	QAL1

Metals by EPA 6000/7000 Series Methods

Boron	0.234	0.00800	mg/L	1	P9D3003	04/30/19	05/01/19	EPA 6010B	QAL1
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TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Post

9D25005-01RE1 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Total Metals by EPA / Standard Methods

Silver	ND	0.00500	mg/L	1	P9E0703	05/07/19	05/07/19	EPA 6010B	QAL1
Aluminum	0.111	0.0550	mg/L	1	P9E0703	05/07/19	05/07/19	EPA 6010B	QAL1
Manganese	0.408	0.0200	mg/L	1	P9E0703	05/07/19	05/07/19	EPA 6010B	QAL1
Zinc	0.0307	0.00100	mg/L	1	P9E0703	05/07/19	05/07/19	EPA 6010B	QAL1

Metals by EPA 6000/7000 Series Methods

Boron	0.196	0.0520	mg/L	1	P9E0703	05/07/19	05/07/19	EPA 6010B	QAL1
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TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9D3003 - * DEFAULT PREP *****

Blank (P9D3003-BLK1)

Prepared: 04/30/19 Analyzed: 05/01/19

Selenium	ND	0.00800	mg/L							QAL1
Cobalt	ND	0.00800	"							QAL1
Cadmium	ND	0.00800	"							QAL1
Lead	ND	0.00800	"							QAL1
Barium	ND	0.00800	"							QAL1
Nickel	ND	0.0080	"							QAL1
Arsenic	ND	0.00800	"							QAL1
Chromium	ND	0.00800	"							QAL1
Molybdenum	ND	0.00800	"							QAL1
Silver	ND	0.0200	"							QAL1
Iron	ND	0.00800	"							QAL1
Zinc	ND	0.00800	"							QAL1
Copper	ND	0.00800	"							QAL1
Manganese	ND	0.00800	"							QAL1

LCS (P9D3003-BS1)

Prepared: 04/30/19 Analyzed: 05/01/19

Manganese	0.0446	0.00800	mg/L	0.0400		111	80-120			QAL1
Selenium	0.0465	0.00800	"	0.0400		116	80-120			QAL1
Lead	0.0421	0.00800	"	0.0400		105	80-120			QAL1
Nickel	0.0455	0.0080	"	0.0400		114	80-120			QAL1
Zinc	0.0480	0.00800	"	0.0400		120	75-125			QAL1
Molybdenum	0.0412	0.00800	"	0.0400		103	80-120			QAL1
Chromium	0.0409	0.00800	"	0.0400		102	80-120			QAL1
Arsenic	0.0443	0.00800	"	0.0400		111	80-120			QAL1
Copper	0.0482	0.00800	"	0.0400		121	75-125			QAL1
Cadmium	0.0443	0.00800	"	0.0400		111	80-120			QAL1
Iron	0.0477	0.00800	"	0.0400		119	80-120			QAL1
Barium	0.0406	0.00800	"	0.0400		102	80-120			QAL1
Cobalt	0.0439	0.00800	"	0.0400		110	80-120			QAL1
Silver	0.0661	0.00800	"	0.0400		165	80-120			L, QAL1

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9D3003 - * DEFAULT PREP *****

LCS Dup (P9D3003-BSD1)

Prepared: 04/30/19 Analyzed: 05/01/19

Copper	0.0491	0.00800	mg/L	0.0400		123	75-125	1.79	20	QAL1
Selenium	0.0481	0.00800	"	0.0400		120	80-120	3.27	20	QAL1
Manganese	0.0445	0.00800	"	0.0400		111	80-120	0.189	20	QAL1
Iron	0.0476	0.00800	"	0.0400		119	80-120	0.310	20	QAL1
Lead	0.0419	0.00800	"	0.0400		105	80-120	0.519	20	QAL1
Cobalt	0.0445	0.00800	"	0.0400		111	80-120	1.31	20	QAL1
Arsenic	0.0433	0.00800	"	0.0400		108	80-120	2.28	20	QAL1
Nickel	0.0463	0.0080	"	0.0400		116	80-120	1.80	20	QAL1
Barium	0.0405	0.00800	"	0.0400		101	80-120	0.381	20	QAL1
Molybdenum	0.0425	0.00800	"	0.0400		106	80-120	3.15	20	QAL1
Chromium	0.0403	0.00800	"	0.0400		101	80-120	1.53	20	QAL1
Cadmium	0.0445	0.00800	"	0.0400		111	80-120	0.481	20	QAL1
Zinc	0.0486	0.00800	"	0.0400		121	75-125	1.11	20	QAL1
Silver	0.0679	0.00800	"	0.0400		170	80-120	2.74	20	L, QAL1

Duplicate (P9D3003-DUP1)

Source: 9D25005-01

Prepared: 04/30/19 Analyzed: 05/01/19

Selenium	0.00881	0.00800	mg/L		ND				20	QAL1
Zinc	0.0155	0.00800	"		0.0175			11.8	20	QAL1
Lead	0.0150	0.00800	"		0.0124			18.6	20	QAL1
Nickel	ND	0.0080	"		ND				20	QAL1
Molybdenum	0.0423	0.00800	"		0.0411			2.99	20	QAL1
Manganese	0.409	0.00800	"		0.400			2.23	20	QAL1
Iron	0.253	0.00800	"		0.246			2.63	20	QAL1
Copper	0.0191	0.00800	"		0.0185			3.19	20	QAL1
Cobalt	ND	0.00800	"		ND				20	QAL1
Cadmium	ND	0.00800	"		ND				20	QAL1
Barium	0.162	0.00800	"		0.159			1.67	20	QAL1
Arsenic	0.00989	0.00800	"		ND				20	QAL1
Silver	ND	0.00800	"		ND				20	QAL1
Chromium	ND	0.00800	"		ND				20	QAL1

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9D3003 - * DEFAULT PREP *****

Matrix Spike (P9D3003-MS1)

Source: 9D25005-01

Prepared: 04/30/19 Analyzed: 05/01/19

Silver	0.114	0.00800	mg/L	0.0800	ND	143	75-125			QAL1
Cobalt	0.0860	0.00800	"	0.0800	ND	107	75-125			QAL1
Zinc	0.112	0.00800	"	0.0800	0.0175	118	75-125			QAL1
Molybdenum	0.124	0.00800	"	0.0800	0.0411	104	75-125			QAL1
Barium	0.237	0.00800	"	0.0800	0.159	96.5	75-125			QAL1
Chromium	0.0771	0.00800	"	0.0800	ND	96.4	75-125			QAL1
Copper	0.107	0.00800	"	0.0800	0.0185	110	75-125			QAL1
Nickel	0.0926	0.0080	"	0.0800	ND	116	75-125			QAL1
Arsenic	0.0966	0.00800	"	0.0800	ND	121	75-125			QAL1
Iron	0.334	0.00800	"	0.0800	0.246	110	75-125			QAL1
Cadmium	0.0887	0.00800	"	0.0800	ND	111	75-125			QAL1
Lead	0.0919	0.00800	"	0.0800	0.0124	99.3	75-125			QAL1
Selenium	0.0957	0.00800	"	0.0800	ND	120	75-125			QAL1
Manganese	0.486	0.00800	"	0.0800	0.400	108	75-125			QAL1

Matrix Spike Dup (P9D3003-MSD1)

Source: 9D25005-01

Prepared: 04/30/19 Analyzed: 05/01/19

Copper	0.108	0.00800	mg/L	0.0800	0.0185	112	75-125	1.07	20	QAL1
Arsenic	0.0968	0.00800	"	0.0800	ND	121	75-125	0.247	20	QAL1
Manganese	0.486	0.00800	"	0.0800	0.400	108	75-125	0.135	20	QAL1
Barium	0.237	0.00800	"	0.0800	0.159	97.3	75-125	0.263	20	QAL1
Cadmium	0.0904	0.00800	"	0.0800	ND	113	75-125	1.91	20	QAL1
Cobalt	0.0881	0.00800	"	0.0800	ND	110	75-125	2.41	20	QAL1
Iron	0.379	0.00800	"	0.0800	0.246	166	75-125	12.5	20	QAL1
Silver	0.114	0.00800	"	0.0800	ND	142	75-125	0.224	20	QAL1
Molybdenum	0.125	0.00800	"	0.0800	0.0411	105	75-125	0.937	20	QAL1
Zinc	0.115	0.00800	"	0.0800	0.0175	123	75-125	3.32	20	QAL1
Chromium	0.0787	0.00800	"	0.0800	ND	98.3	75-125	1.95	20	QAL1
Selenium	0.0965	0.00800	"	0.0800	ND	121	75-125	0.761	20	QAL1
Lead	0.0937	0.00800	"	0.0800	0.0124	102	75-125	1.94	20	QAL1
Nickel	0.0958	0.0080	"	0.0800	ND	120	75-125	3.39	20	QAL1

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9D3003 - * DEFAULT PREP *****

Dilution Check (P9D3003-SRL1)

Source: 9D25005-01

Prepared: 04/30/19 Analyzed: 05/01/19

Copper	0.00920	0.00800	mg/L		0.0185			67.3	200	QAL1
Cadmium	ND	0.00800	"		ND				200	QAL1
Chromium	ND	0.00800	"		ND				200	QAL1
Manganese	0.0912	0.00800	"		0.400			126	200	QAL1
Silver	ND	0.00800	"		ND				200	QAL1
Lead	ND	0.00800	"		0.0124				200	QAL1
Barium	0.0375	0.00800	"		0.159			124	200	QAL1
Molybdenum	0.00861	0.00800	"		0.0411			131	200	QAL1
Arsenic	ND	0.00800	"		ND				200	QAL1
Nickel	ND	0.00800	"		ND				200	QAL1
Iron	0.0586	0.00800	"		0.246			123	200	QAL1
Selenium	ND	0.00800	"		ND				200	QAL1
Zinc	ND	0.00800	"		0.0175				200	QAL1
Cobalt	ND	0.00800	"		ND				200	QAL1

Reference (P9D3003-SRM1)

Prepared: 04/30/19 Analyzed: 05/01/19

Arsenic	0.0127		mg/L	0.0117	108	80-120	QAL1
Selenium	0.0618		"	0.0500	124	80-120	QAL1
Lead	0.0729		"	0.0583	125	80-120	QAL1
Copper	1.14		"	1.03	111	80-120	QAL1
Cadmium	0.0375		"	0.0333	113	80-120	QAL1
Barium	0.947		"	0.983	96.3	80-120	QAL1
Chromium	0.130		"	0.133	98.0	80-120	QAL1
Nickel	0.190		"	0.167	114	80-120	QAL1

Reference (P9D3003-SRM2)

Prepared: 04/30/19 Analyzed: 05/01/19

Molybdenum	0.0338		mg/L	0.0333	102	80-120	QAL1
Manganese	0.361		"	0.350	103	80-120	QAL1
Iron	1.54		"	1.38	112	80-120	QAL1
Silver	0.502		"	0.100	502	80-120	QAL1
Zinc	1.30		"	1.12	116	80-120	QAL1

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9D3004 - * DEFAULT PREP *****

Blank (P9D3004-BLK1)

Prepared: 04/30/19 Analyzed: 05/02/19

Mercury	ND	0.250	ug/l							QAL1
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LCS (P9D3004-BS1)

Prepared: 04/30/19 Analyzed: 05/02/19

Mercury	1.99	0.250	ug/l	2.00		99.5	80-120			QAL1
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LCS Dup (P9D3004-BSD1)

Prepared: 04/30/19 Analyzed: 05/02/19

Mercury	1.98	0.250	ug/l	2.00		99.0	80-120	0.504	20	QAL1
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Matrix Spike (P9D3004-MS1)

Source: 9D25005-01

Prepared: 04/30/19 Analyzed: 05/02/19

Mercury	1.28	0.250	ug/l	2.00	ND	64.0	75-125			QAL1, QM-07
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Matrix Spike Dup (P9D3004-MSD1)

Source: 9D25005-01

Prepared: 04/30/19 Analyzed: 05/02/19

Mercury	1.25	0.250	ug/l	2.00	ND	62.5	75-125	2.37	20	QAL1, QM-07
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Batch P9E0703 - * DEFAULT PREP *****

Blank (P9E0703-BLK1)

Prepared & Analyzed: 05/07/19

Silver	ND	0.00500	mg/L							QAL1
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Zinc	0.000602	0.00100	"							QAL1
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Aluminum	ND	0.0550	"							QAL1
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Manganese	ND	0.0200	"							QAL1
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LCS (P9E0703-BS1)

Prepared & Analyzed: 05/07/19

Zinc	0.225	0.00100	mg/L	0.200		113	75-125			QAL1
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Aluminum	0.147	0.0550	"	0.200		73.4	70-130			QAL1
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Manganese	0.238	0.0200	"	0.200		119	75-120			QAL1
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Silver	0.168	0.00500	"	0.200		84.1	80-120			QAL1
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TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9E0703 - * DEFAULT PREP *****

LCS Dup (P9E0703-BSD1)

Prepared & Analyzed: 05/07/19

Manganese	0.251	0.0200	mg/L	0.200		125	75-125	5.22	20	QAL1
Aluminum	0.163	0.0550	"	0.200		81.5	70-130	10.4	20	QAL1
Zinc	0.244	0.00100	"	0.200		122	75-125	8.10	20	QAL1
Silver	0.190	0.00500	"	0.200		95.1	75-125	12.2	20	QAL1

Duplicate (P9E0703-DUP1)

Source: 9D25005-01RE1

Prepared & Analyzed: 05/07/19

Zinc	0.0320	0.00100	mg/L		0.0307			4.10	20	QAL1
Silver	ND	0.00500	"		ND				20	QAL1
Manganese	0.407	0.0200	"		0.408			0.260	20	QAL1
Aluminum	0.111	0.0550	"		0.111			0.302	20	QAL1

Matrix Spike (P9E0703-MS1)

Source: 9D25005-01RE1

Prepared & Analyzed: 05/07/19

Silver	0.170	0.00500	mg/L	0.200	ND	85.1	75-125			QAL1
Zinc	0.255	0.00100	"	0.200	0.0307	112	75-125			QAL1
Manganese	0.574	0.0200	"	0.200	0.408	82.9	75-125			QAL1
Aluminum	0.251	0.0550	"	0.200	0.111	70.3	70-130			QAL1

Matrix Spike Dup (P9E0703-MSD1)

Source: 9D25005-01RE1

Prepared & Analyzed: 05/07/19

Silver	0.172	0.00500	mg/L	0.200	ND	85.8	75-125	0.884	20	QAL1
Manganese	0.578	0.0200	"	0.200	0.408	85.0	75-125	0.712	20	QAL1
Zinc	0.262	0.00100	"	0.200	0.0307	115	75-125	2.51	20	QAL1
Aluminum	0.251	0.0550	"	0.200	0.111	70.2	70-130	0.0288	20	QAL1

Dilution Check (P9E0703-SRL1)

Source: 9D25005-01RE1

Prepared & Analyzed: 05/07/19

Aluminum	0.0916	0.0550	mg/L		0.111			18.9	200	QAL1
Silver	ND	0.00500	"		ND				200	QAL1
Zinc	0.0321	0.00100	"		0.0307			4.46	200	QAL1
Manganese	0.454	0.0200	"		0.408			10.6	200	QAL1

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9E0703 - * DEFAULT PREP *****

Reference (P9E0703-SRM1)			Prepared & Analyzed: 05/07/19							
Aluminum	0.324		mg/L	0.467		69.3	60-140			QAL1
Silver	0.454		"	0.767		59.2	50-120			QAL1
Manganese	1.66		"	1.68		99.1	80-120			QAL1
Zinc	1.65		"	1.62		102	80-120			QAL1

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Metals by EPA 6000/7000 Series Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P9D3003 - *** DEFAULT PREP ***										
Blank (P9D3003-BLK1)				Prepared: 04/30/19 Analyzed: 05/01/19						
Boron	ND	0.00800	mg/L							QAL1
LCS (P9D3003-BS1)				Prepared: 04/30/19 Analyzed: 05/01/19						
Boron	0.0485	0.00800	mg/L	0.0400		121	75-125			QAL1
LCS Dup (P9D3003-BSD1)				Prepared: 04/30/19 Analyzed: 05/01/19						
Boron	0.0492	0.00800	mg/L	0.0400		123	75-125	1.28	20	QAL1
Duplicate (P9D3003-DUP1)				Source: 9D25005-01		Prepared: 04/30/19 Analyzed: 05/01/19				
Boron	0.236	0.00800	mg/L		0.234			0.863	20	QAL1
Matrix Spike (P9D3003-MS1)				Source: 9D25005-01		Prepared: 04/30/19 Analyzed: 05/01/19				
Boron	0.328	0.00800	mg/L	0.0800	0.234	117	75-125			QAL1
Matrix Spike Dup (P9D3003-MSD1)				Source: 9D25005-01		Prepared: 04/30/19 Analyzed: 05/01/19				
Boron	0.331	0.00800	mg/L	0.0800	0.234	121	75-125	0.928	20	QAL1
Dilution Check (P9D3003-SRL1)				Source: 9D25005-01		Prepared: 04/30/19 Analyzed: 05/01/19				
Boron	0.0497	0.00800	mg/L		0.234			130	200	QAL1
Reference (P9D3003-SRM2)				Prepared: 04/30/19 Analyzed: 05/01/19						
Boron	2.05		mg/L	1.12		183	80-120			QAL1
Batch P9E0703 - *** DEFAULT PREP ***										
Blank (P9E0703-BLK1)				Prepared & Analyzed: 05/07/19						
Boron	ND	0.0520	mg/L							QAL1

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Metals by EPA 6000/7000 Series Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P9E0703 - *** DEFAULT PREP ***										
LCS (P9E0703-BS1)				Prepared & Analyzed: 05/07/19						
Boron	0.215	0.0520	mg/L	0.200		108	80-120			QAL1
LCS Dup (P9E0703-BSD1)				Prepared & Analyzed: 05/07/19						
Boron	0.235	0.0520	mg/L	0.200		117	80-120	8.73	20	QAL1
Duplicate (P9E0703-DUP1)				Source: 9D25005-01RE1		Prepared & Analyzed: 05/07/19				
Boron	0.199	0.0520	mg/L		0.196			1.44	20	QAL1
Matrix Spike (P9E0703-MS1)				Source: 9D25005-01RE1		Prepared & Analyzed: 05/07/19				
Boron	0.398	0.0520	mg/L	0.200	0.196	101	75-125			QAL1
Matrix Spike Dup (P9E0703-MSD1)				Source: 9D25005-01RE1		Prepared & Analyzed: 05/07/19				
Boron	0.405	0.0520	mg/L	0.200	0.196	105	75-125	1.79	20	QAL1
Dilution Check (P9E0703-SRL1)				Source: 9D25005-01RE1		Prepared & Analyzed: 05/07/19				
Boron	0.222	0.0520	mg/L		0.196			12.4	200	QAL1

Notes and Definitions

ROI	Received on Ice
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QAL1	The Laboratory is not TNI Certified for this analyte or analysis.
L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By:



Date:

5/27/2019

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Permian Basin Environmental Lab, LP
10014 S. County Road 1213
Midland, Texas 79706

Phone: 432-661-4184

Project Manager: Curt Stanley

Company Name: TRC Environmental Corporation

Company Address: 2057 Commerce Dr.

City/State/Zip: Midland/TX/79703

Telephone No: (432) 520-7728

Sampler Signature: *Curt Stanley*

ORDER #: 9025005

(lab use only)

Fax No:

e-mail: cstanley@trcsolutions.com

cibryant@paalp.com

Report Format: ☒ Standard

☐ TRRP

☐ NPDES

PO #:

Project Name: 97-04

Project #: TNM 97-04

Project Loc: Lea County, NM

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Ice	HNO ₃	HCl	H ₂ SO ₄	NaOH	Na ₂ S ₂ O ₃	None	Other (Specify)	DW=Drinking Water SL=Sludge GW = Groundwater S= Soil/Solid NP=Non-Potable Specify Other	TPH: 418.1 8015M 8015B	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO ₄ , Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Metals: Al, B, Co, Cu, Fe, Mn, Mo	Metals: Ni, Zn	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides E 300	Paint Filter	TCLP BTEX	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
01	POST			4/22/2019	1105		1	X	X							GW						X	X	X							X	

Special Instructions:

Bill to Plains

Relinquished by: *[Signature]*

Relinquished by: *[Signature]*

Relinquished by: *[Signature]*

Date: 4/26/19

Date: 4/26/19

Date: 4/26/19

Time: 11:54

Time: 11:54

Time: 11:54

Received by: *[Signature]*

Received by: *[Signature]*

Received by: *[Signature]*

Date: 4/26/19

Date: 4/26/19

Date: 4/26/19

Time: 11:54

Time: 11:54

Time: 11:54

Laboratory Comments:

Sample Containers, Matrix

VOCs Free of Headspace?

Labels on container(s)

Custody seals on container(s)

Sample Hand Delivered by Sampler/Client Rep.?

Temperature Upon Receipt

Adjusted: 2.4 °C Factor

UPS DHL FedEx Lone Star

OF-11

Analytical Report 623598

for
TRC Solutions, Inc

Project Manager: Curt Stanely

TNM 97-04 (Townsend)

TMM 97-04

14-MAY-19

Collected By: Client



**1211 W. Florida Ave
Midland TX 79701**

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-19-29), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-19-19), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-18-14)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-20)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-18-18)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-18-4)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Atlanta (LELAP Lab ID #04176)
Xenco-Tampa: Florida (E87429), North Carolina (483)

Table of Contents

Cover Page	1
Cover Letter	3
Sample ID Cross Reference	4
Case Narrative	5
Certificate of Analysis (Detailed Report)	6
Explanation of Qualifiers (Flags)	8
LCS / LCSD Recoveries	9
MS / MSD Recoveries	11
Chain of Custody	13
IOS_COC_38746	14
IOS_Check_List_38746	15
Sample Receipt Conformance Report	16



14-MAY-19

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

Reference: XENCO Report No(s): **623598**
TNM 97-04 (Townsend)
Project Address:

Curt Stanely :

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) 623598. 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. 623598 will be filed for 45 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,

Jessica Kramer

Project Assistant

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

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Houston - Dallas - Midland - San Antonio - Phoenix - Oklahoma - Latin America



Sample Cross Reference 623598



TRC Solutions, Inc, Midland, TX

TNM 97-04 (Townsend)

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Post	W	04-22-19 11:05		623598-001



CASE NARRATIVE

Client Name: TRC Solutions, Inc

Project Name: TNM 97-04 (Townsend)

Project ID: TMM 97-04
Work Order Number(s): 623598

Report Date: 14-MAY-19
Date Received: 05/08/2019

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:

None

Sample receipt non conformances and comments per sample:

None



Certificate of Analytical Results

623598



TRC Solutions, Inc, Midland, TX

TNM 97-04 (Townsend)

Sample Id: **Post** Matrix: Water Sample Depth:
Lab Sample Id: 623598-001 Date Collected: 04.22.19 11.05 Date Received: 05.08.19 13.20
Analytical Method: Mercury by SW-846 7470A Prep Method: SW7470P
Analyst: ANJ % Moist: Tech: MLI
Seq Number: 3088799 Date Prep: 05.13.19 08.30
Subcontractor: SUB: T104704215-19-29 Prep seq: 7677691

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Mercury	7439-97-6	<0.0000263	0.000200	0.0000263	mg/L	05.13.19 12:17	U	1

Analytical Method: Inductively Coupled Plasma Atomic Emission Spectroscopy Prep Method: 3010A
Analyst: DEP % Moist: Tech: AHI
Seq Number: 3088768 Date Prep: 05.10.19 09.50
Subcontractor: SUB: T104704215-19-29 Prep seq: 7677593

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Aluminum	7429-90-5	0.178	0.0200	0.00252	mg/L	05.10.19 23:41		1
Arsenic	7440-38-2	0.00641	0.00400	0.000246	mg/L	05.10.19 23:41		1
Barium	7440-39-3	0.167	0.00400	0.000484	mg/L	05.10.19 23:41		1
Boron	7440-42-8	0.200	0.0100	0.00126	mg/L	05.10.19 23:41		1
Cadmium	7440-43-9	<0.000147	0.00200	0.000147	mg/L	05.10.19 23:41	U	1
Chromium	7440-47-3	0.00152	0.00400	0.000525	mg/L	05.10.19 23:41	J	1
Cobalt	7440-48-4	0.000432	0.00200	0.0000699	mg/L	05.10.19 23:41	J	1
Copper	7440-50-8	0.00478	0.00400	0.000747	mg/L	05.10.19 23:41		1
Iron	7439-89-6	0.121	0.100	0.0227	mg/L	05.10.19 23:41		1
Lead	7439-92-1	0.00199	0.00200	0.000152	mg/L	05.10.19 23:41	J	1
Manganese	7439-96-5	0.384	0.00200	0.000199	mg/L	05.10.19 23:41		1
Molybdenum	7439-98-7	0.0413	0.00200	0.000255	mg/L	05.10.19 23:41		1
Nickel	7440-02-0	0.00271	0.00200	0.000292	mg/L	05.10.19 23:41		1
Selenium	7782-49-2	0.00117	0.00200	0.000454	mg/L	05.10.19 23:41	J	1
Silver	7440-22-4	<0.000251	0.00200	0.000251	mg/L	05.10.19 23:41	U	1
Zinc	7440-66-6	0.0149	0.0300	0.000802	mg/L	05.10.19 23:41	J	1



Certificate of Analytical Results

623598



TRC Solutions, Inc, Midland, TX
TNM 97-04 (Townsend)

Sample Id: 7677593-1-BLK

Matrix: Water

Sample Depth:

Lab Sample Id: 7677593-1-BLK

Date Collected:

Date Received:

Analytical Method: Inductively Coupled Plasma Atomic Emission Spectroscopy I

Prep Method: 3010A

Analyst: DEP

% Moist:

Tech: AHI

Seq Number: 3088768

Date Prep: 05.10.19 09.50

Subcontractor: SUB: T104704215-19-29

Prep seq: 7677593

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Aluminum	7429-90-5	<0.00252	0.0200	0.00252	mg/L	05.10.19 23:09	U	1
Arsenic	7440-38-2	<0.000246	0.00400	0.000246	mg/L	05.10.19 23:09	U	1
Barium	7440-39-3	<0.000484	0.00400	0.000484	mg/L	05.10.19 23:09	U	1
Boron	7440-42-8	<0.00126	0.0100	0.00126	mg/L	05.10.19 23:09	U	1
Cadmium	7440-43-9	<0.000147	0.00200	0.000147	mg/L	05.10.19 23:09	U	1
Chromium	7440-47-3	<0.000525	0.00400	0.000525	mg/L	05.10.19 23:09	U	1
Cobalt	7440-48-4	<0.0000699	0.00200	0.0000699	mg/L	05.10.19 23:09	U	1
Copper	7440-50-8	<0.000747	0.00400	0.000747	mg/L	05.10.19 23:09	U	1
Iron	7439-89-6	<0.0227	0.100	0.0227	mg/L	05.10.19 23:09	U	1
Lead	7439-92-1	<0.000152	0.00200	0.000152	mg/L	05.10.19 23:09	U	1
Manganese	7439-96-5	<0.000199	0.00200	0.000199	mg/L	05.10.19 23:09	U	1
Molybdenum	7439-98-7	<0.000255	0.00200	0.000255	mg/L	05.10.19 23:09	U	1
Nickel	7440-02-0	<0.000292	0.00200	0.000292	mg/L	05.10.19 23:09	U	1
Selenium	7782-49-2	<0.000454	0.00200	0.000454	mg/L	05.10.19 23:09	U	1
Silver	7440-22-4	<0.000251	0.00200	0.000251	mg/L	05.10.19 23:09	U	1
Zinc	7440-66-6	<0.000802	0.0300	0.000802	mg/L	05.10.19 23:09	U	1

Sample Id: 7677691-1-BLK

Matrix: Water

Sample Depth:

Lab Sample Id: 7677691-1-BLK

Date Collected:

Date Received:

Analytical Method: Mercury by SW-846 7470A

Prep Method: SW7470P

Analyst: ANJ

% Moist:

Tech: MLI

Seq Number: 3088799

Date Prep: 05.13.19 08.30

Subcontractor: SUB: T104704215-19-29

Prep seq: 7677691

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Mercury	7439-97-6	<0.0000263	0.000200	0.0000263	mg/L	05.13.19 11:45	U	1

- 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

SMP Client Sample

BLK

Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample

BKSD/LCSD

Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate

MS

Matrix Spike

MSD: Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

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



BS / BSD Recoveries



Project Name: TNM 97-04 (Townsend)

Work Order #: 623598

Project ID: TMM 97-04

Analyst: DEP

Date Prepared: 05/10/2019

Date Analyzed: 05/10/2019

Lab Batch ID: 3088768

Sample: 7677593-1-BKS

Batch #: 1

Matrix: Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Inductively Coupled Plasma Atomic Emission Spectroscopy Mass Spectrometry Analytes	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
Aluminum	<0.00252	0.500	0.516	103	0.500	0.511	102	1	80-120	20	
Arsenic	<0.000246	0.100	0.0988	99	0.100	0.0981	98	1	80-120	20	
Barium	<0.000484	0.100	0.0958	96	0.100	0.0961	96	0	80-120	20	
Boron	<0.00126	0.100	0.101	101	0.100	0.0993	99	2	80-120	20	
Cadmium	<0.000147	0.100	0.0999	100	0.100	0.0988	99	1	80-120	20	
Chromium	<0.000525	0.100	0.0995	100	0.100	0.0992	99	0	80-120	20	
Cobalt	<0.0000699	0.100	0.0999	100	0.100	0.0987	99	1	80-120	20	
Copper	<0.000747	0.100	0.100	100	0.100	0.0993	99	1	80-120	20	
Iron	<0.0227	0.500	0.497	99	0.500	0.488	98	2	80-120	20	
Lead	<0.000152	0.100	0.100	100	0.100	0.0994	99	1	80-120	20	
Manganese	<0.000199	0.100	0.0990	99	0.100	0.0984	98	1	80-120	20	
Molybdenum	<0.000255	0.100	0.0963	96	0.100	0.0961	96	0	80-120	20	
Nickel	<0.000292	0.100	0.0992	99	0.100	0.0975	98	2	80-120	20	
Selenium	<0.000454	0.100	0.0984	98	0.100	0.0983	98	0	80-120	20	
Silver	<0.000251	0.0500	0.0496	99	0.0500	0.0494	99	0	80-120	20	
Zinc	<0.000802	0.100	0.0994	99	0.100	0.0983	98	1	80-120	20	

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



BS / BSD Recoveries



Project Name: TNM 97-04 (Townsend)

Work Order #: 623598

Project ID: TMM 97-04

Analyst: ANJ

Date Prepared: 05/13/2019

Date Analyzed: 05/13/2019

Lab Batch ID: 3088799

Sample: 7677691-1-BKS

Batch #: 1

Matrix: Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Mercury by SW-846 7470A	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											
Mercury	<0.0000263	0.00200	0.00205	103	0.00200	0.00201	101	2	80-120	20	

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 / MSD Recoveries



Project Name: TNM 97-04 (Townsend)

Work Order # : 623598

Project ID: TMM 97-04

Lab Batch ID: 3088768

QC- Sample ID: 623526-001 S

Batch #: 1 **Matrix:** Ground Water

Date Analyzed: 05/10/2019

Date Prepared: 05/10/2019

Analyst: DEP

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inductively Coupled Plasma Atomic Emission Spectroscopy Mass Spectrometry	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
Aluminum	2.72	0.500	5.64	NC	0.500	5.86	NC	4	75-125	20	X
Arsenic	0.00507	0.100	0.106	101	0.100	0.102	97	4	75-125	20	
Barium	0.151	0.100	0.261	110	0.100	0.268	117	3	75-125	20	
Boron	0.0361	0.100	0.136	100	0.100	0.139	103	2	75-125	20	
Cadmium	<0.000147	0.100	0.0982	98	0.100	0.0955	96	3	75-125	20	
Chromium	0.00447	0.100	0.110	106	0.100	0.107	103	3	75-125	20	
Cobalt	0.000615	0.100	0.101	100	0.100	0.0983	98	3	75-125	20	
Copper	0.00340	0.100	0.105	102	0.100	0.102	99	3	75-125	20	
Iron	1.70	0.500	3.18	296	0.500	3.12	284	2	75-125	20	X
Lead	0.00302	0.100	0.105	102	0.100	0.108	105	3	75-125	20	
Manganese	0.0330	0.100	0.134	101	0.100	0.129	96	4	75-125	20	
Molybdenum	0.00591	0.100	0.106	100	0.100	0.104	98	2	75-125	20	
Nickel	0.00680	0.100	0.108	101	0.100	0.105	98	3	75-125	20	
Selenium	<0.000454	0.100	0.0997	100	0.100	0.0960	96	4	75-125	20	
Silver	<0.000251	0.0500	0.0507	101	0.0500	0.0489	98	4	75-125	20	
Zinc <05/13/2019 13:13>	0.0309	0.100	0.205	174	0.100	0.201	170	2	75-125	20	X

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

Matrix Spike Duplicate Percent Recovery [G] = 100*(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.



Form 3 - MS / MSD Recoveries



Project Name: TNM 97-04 (Townsend)

Work Order # : 623598

Project ID: TMM 97-04

Lab Batch ID: 3088799

QC- Sample ID: 623650-001 S

Batch #: 1 Matrix: Water

Date Analyzed: 05/13/2019

Date Prepared: 05/13/2019

Analyst: ANJ

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Mercury by SW-846 7470A 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
Mercury	<0.0000263	0.00200	0.00159	80	0.00200	0.00154	77	3	75-125	20	

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

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

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.

Houston, TX (281) 240-4200 Dallas, TX (214) 902-0300 San Antonio, TX (210) 509-3334
Midland, TX (432-704-5440) El Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296
Phoenix, AZ (480-335-0800) Atlanta, GA (770-449-8800) Tampa, FL (813) 233-3827
Phoenix, NM (505-382-7550)

Work Order No: 6220

Hobbs, NM (575-392-7550) Phoenix, AZ (480-355-0900) Atlanta, GA (770-449-8800) Tampa, FL (813-620-2000)

Page of
www.xenco.com

Project Manager:	Curt Stanley	Bill to: (if different)	Plains
Company Name:	TRC Environmental Corporation	Company Name:	
Address:	10 Desta Drive Suite 150E	Address:	
City, State ZIP:	Midland, TX, 79705	City, State ZIP:	
Phone:	(432) 559-3296	Email:	cdstanley@trccompanies.com, cjbryant@psalp.com, sstanley@trccompanies.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADAPT ☐ Other: _____

Project Name:	TNM 97-04 (Townsend)	Turn Around
Project Number:	TNM 97-04	Routine ☐
P.O. Number:		Rush:
Sampler's Name:	Jeremy Reich	Due Date:

[illegible]

SAMPLE RECEIPT		Temp Blank:	Yes	No	Wet Ice:	Yes	No
Temperature (°C):	26.75		No				
Received In tact:	Yes	No					
Cooler Custody Seals:	Yes	No	N/A		Correction Factor:	-0.1	
Sample Custody Seals:	Yes	No	N/A		Total Containers:		

TAT starts the day received by the lab, if received by 4:30pm	
---	--

[illegible]

Total	200.7 / 6010	200.8 / 6020:	8RCRA	13PPM	Texas	11	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Mo	Ni	K	Se	Ag	SiO2	Na	Sr	Ti	Sn	U	V	Zn
Circle Method(s) and Metal(s) to be analyzed			TCPLP / SPLP 6010:	8RCRA	Sb	As	Ba	Be	B	Cd <td>Cr</td> <td>Co</td> <td>Cu</td> <td>Pb</td> <td>Mn</td> <td>Mo</td> <td>Ni</td> <td>Se</td> <td>Ag</td> <td>Ti</td> <td>U</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Cr	Co	Cu	Pb	Mn	Mo	Ni	Se	Ag	Ti	U													

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	5/8/19 1200 ²	<i>[Signature]</i>	<i>[Signature]</i>	5/8/19 1320

Inter-Office Shipment

IOS Number : 38746

Date/Time: 05.08.2019 13:46	Created by: Katie Lowe	Please send report to: Jessica Kramer
Lab# From: Midland	Delivery Priority:	Address: 1211 W. Florida Ave
Lab# To: Houston	Air Bill No.: 775171615517	E-Mail: jessica.kramer@xenco.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
623598-001	W	Post	04.22.2019 11:05	SW6020	Inductively Coupled Plasma Atomic Emis	05.14.2019	10.19.2019	JKR	AG AL AS B BA CD CO	
623598-001	W	Post	04.22.2019 11:05	SW7470A	Mercury by SW-846 7470A	05.14.2019	05.20.2019	JKR	HG	

Inter Office Shipment or Sample Comments:

Relinquished By: 
Katie Lowe

Date Relinquished: 05.08.2019

Received By: 
Travis Simmons

Date Received: 05.09.2019 09:10

Cooler Temperature: 4.0



XENCO Laboratories



Inter Office Report- Sample Receipt Checklist

Sent To: Houston

IOS #: 38746

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : HOU-068

Sent By: Katie Lowe

Date Sent: 05/08/2019 01:46 PM

Received By: Travis Simmons

Date Received: 05/09/2019 09:10 AM

Sample Receipt Checklist

Comments

#1 *Temperature of cooler(s)?	4
#2 *Shipping container in good condition?	Yes
#3 *Samples received with appropriate temperature?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	Yes
#5 *Custody Seals Signed and dated for Containers/coolers	Yes
#6 *IOS present?	Yes
#7 Any missing/extra samples?	No
#8 IOS agrees with sample label(s)/matrix?	Yes
#9 Sample matrix/ properties agree with IOS?	Yes
#10 Samples in proper container/ bottle?	Yes
#11 Samples properly preserved?	Yes
#12 Sample container(s) intact?	Yes
#13 Sufficient sample amount for indicated test(s)?	Yes
#14 All samples received within hold time?	Yes

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

NonConformance:

Corrective Action Taken:

Nonconformance Documentation

Contact: _____ Contacted by : _____ Date: _____

Checklist reviewed by:

Travis Simmons

Date: 05/09/2019



XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In



Client: TRC Solutions, Inc

Date/ Time Received: 05/08/2019 01:20:00 PM

Work Order #: 623598

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)?	2.5
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	N/A
#5 Custody Seals intact on sample bottles?	N/A
#6 *Custody Seals Signed and dated?	N/A
#7 *Chain of Custody present?	Yes
#8 Any missing/extra samples?	No
#9 Chain of Custody signed when relinquished/ received?	Yes
#10 Chain of Custody agrees with sample labels/matrix?	Yes
#11 Container label(s) legible and intact?	Yes
#12 Samples in proper container/ bottle?	Yes
#13 Samples properly preserved?	Yes
#14 Sample container(s) intact?	Yes
#15 Sufficient sample amount for indicated test(s)?	Yes
#16 All samples received within hold time?	Yes
#17 Subcontract of sample(s)?	Yes Xenco Stafford
#18 Water VOC samples have zero headspace?	N/A

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

Analyst: BT

PH Device/Lot#: A023690

Checklist completed by: 
Katie Lowe

Date: 05/08/2019

Checklist reviewed by: 
Jessica Kramer

Date: 05/08/2019

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Curt Stanley
TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland, TX 79705

Project: TNM 97-04
Project Number: TNM 97-04
Location: Lea County, NM
Lab Order Number: 9G10010



NELAP/TCEQ # T104704516-18-9

Report Date: 07/23/19

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Post-Carbon	9G10010-01	Water	07/09/19 00:00	07-10-2019 16:22

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Post-Carbon
9G10010-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Total Metals by EPA / Standard Methods

Manganese	0.446	0.00800	mg/L	1	P9G1103	07/11/19	07/11/19	EPA 6010B	QAL1
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Metals by EPA 6000/7000 Series Methods

Boron	0.145	0.00800	mg/L	1	P9G1103	07/11/19	07/11/19	EPA 6010B	QAL1
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TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P9G1103 - *** DEFAULT PREP ***										
Blank (P9G1103-BLK1)				Prepared & Analyzed: 07/11/19						
Manganese	ND	0.00800	mg/L							QAL1
LCS (P9G1103-BS1)				Prepared & Analyzed: 07/11/19						
Manganese	0.220	0.00800	mg/L	0.200		110	80-120			QAL1
LCS Dup (P9G1103-BSD1)				Prepared & Analyzed: 07/11/19						
Manganese	0.220	0.00800	mg/L	0.200		110	80-120	0.0126	20	QAL1
Matrix Spike (P9G1103-MS1)				Source: 9G10010-01		Prepared & Analyzed: 07/11/19				
Manganese	0.604	0.00800	mg/L	0.200	0.446	78.9	75-125			QAL1
Matrix Spike Dup (P9G1103-MSD1)				Source: 9G10010-01		Prepared & Analyzed: 07/11/19				
Manganese	0.624	0.00800	mg/L	0.200	0.446	89.0	75-125	3.29	20	QAL1
Dilution Check (P9G1103-SRL1)				Source: 9G10010-01		Prepared & Analyzed: 07/11/19				
Manganese	0.477	0.00800	mg/L		0.446			6.71	200	QAL1
Reference (P9G1103-SRM1)				Prepared & Analyzed: 07/11/19						
Manganese	0.400		mg/L	0.400		99.9	80-120			QAL1
Reference (P9G1103-SRM2)				Prepared & Analyzed: 07/11/19						
Manganese	0.839		mg/L	0.583		144	80-120			QAL1

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Metals by EPA 6000/7000 Series Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P9G1103 - *** DEFAULT PREP ***										
Blank (P9G1103-BLK1)				Prepared & Analyzed: 07/11/19						
Boron	ND	0.00800	mg/L							QAL1
LCS (P9G1103-BS1)				Prepared & Analyzed: 07/11/19						
Boron	0.214	0.00800	mg/L	0.200		107	80-120			QAL1
LCS Dup (P9G1103-BSD1)				Prepared & Analyzed: 07/11/19						
Boron	0.214	0.00800	mg/L	0.200		107	80-120	0.330	20	QAL1
Matrix Spike (P9G1103-MS1)				Source: 9G10010-01		Prepared & Analyzed: 07/11/19				
Boron	0.343	0.00800	mg/L	0.200	0.145	98.9	75-125			QAL1
Matrix Spike Dup (P9G1103-MSD1)				Source: 9G10010-01		Prepared & Analyzed: 07/11/19				
Boron	0.351	0.00800	mg/L	0.200	0.145	103	75-125	2.20	20	QAL1
Dilution Check (P9G1103-SRL1)				Source: 9G10010-01		Prepared & Analyzed: 07/11/19				
Boron	0.135	0.00800	mg/L		0.145			7.02	200	QAL1
Reference (P9G1103-SRM2)				Prepared & Analyzed: 07/11/19						
Boron	1.29		mg/L	1.12		115	80-120			QAL1

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Notes and Definitions

QAL1 The Laboratory is not TNI Certified for this analyte or analysis.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

7/23/2019

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Revised Analytical Report

Prepared for:

Curt Stanley
TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland, TX 79705

Project: TNM 97-04
Project Number: TNM 97-04
Location: Lea County, NM
Lab Order Number: 9G30006



Current Certification

Report Date: 03/05/20

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Pre-Aeration	9G30006-01	Water	07/29/19 12:25	07-30-2019 09:47
Post Aeration	9G30006-02	Water	07/29/19 12:30	07-30-2019 09:47
Pre-Carbon	9G30006-03	Water	07/29/19 12:35	07-30-2019 09:47
Post-Carbon	9G30006-04	Water	07/29/19 12:35	07-30-2019 09:47

On 03/05/2020 PBELAB was advised to review the reporting limit for Chromium. It was found that the RL was 0.09 mg/L and it should have read 0.008 mg/L.

This revised report reflects that correction.

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Pre-Aeration
9G30006-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

H

pH	7.52		pH Units	1	P9H0402	08/04/19	08/05/19	EPA 150.1	
Temperature	20.9		°C	1	P9H0402	08/04/19	08/05/19	EPA 170.1	

Total Metals by EPA / Standard Methods

Silver	ND	0.00500	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
Aluminum	ND	0.0550	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
Arsenic	0.0141	0.00800	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
Barium	0.352	0.00100	mg/L	1	P9H0601	08/06/19	08/06/19	6010B	QAL1
Cadmium	ND	0.00100	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
Cobalt	ND	0.00200	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
Chromium	ND	0.00800	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
Copper	0.00327	0.00200	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
Iron	1.02	0.0400	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
Mercury	ND	0.250	ug/l	1	P9H0806	08/08/19	08/13/19	EPA 7470A	QAL1
Manganese	0.167	0.0200	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
Molybdenum	ND	0.00200	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
Nickel	ND	0.0060	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
Lead	0.0272	0.0110	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
Selenium	0.00243	0.00400	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1, J
Zinc	0.00237	0.00100	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1

Metals by EPA 6000/7000 Series Methods

Boron	0.152	0.0520	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
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TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Post Aeration
9G30006-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

H

pH	7.75		pH Units	1	P9H0402	08/04/19	08/05/19	EPA 150.1	
Temperature	21.2		°C	1	P9H0402	08/04/19	08/05/19	EPA 170.1	

Total Metals by EPA / Standard Methods

Silver	ND	0.00500	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
Aluminum	ND	0.0550	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
Arsenic	0.0146	0.00800	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
Barium	0.345	0.00100	mg/L	1	P9H0601	08/06/19	08/06/19	6010B	QAL1
Cadmium	ND	0.00100	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
Cobalt	ND	0.00200	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
Chromium	ND	0.00800	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
Copper	0.00906	0.00200	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
Iron	1.00	0.0400	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
Mercury	ND	0.250	ug/l	1	P9H0806	08/08/19	08/13/19	EPA 7470A	QAL1
Manganese	0.163	0.0200	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
Molybdenum	ND	0.00200	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
Nickel	ND	0.0060	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
Lead	0.0259	0.0110	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
Selenium	0.00221	0.00400	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1, J
Zinc	0.0203	0.00100	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1

Metals by EPA 6000/7000 Series Methods

Boron	0.149	0.0520	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
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TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Pre-Carbon
9G30006-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

H

pH	7.75		pH Units	1	P9H0402	08/04/19	08/05/19	EPA 150.1	
Temperature	21.1		°C	1	P9H0402	08/04/19	08/05/19	EPA 170.1	

Total Metals by EPA / Standard Methods

Silver	ND	0.00500	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
Aluminum	ND	0.0550	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
Arsenic	0.0138	0.00800	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
Barium	0.335	0.00100	mg/L	1	P9H0601	08/06/19	08/06/19	6010B	QAL1
Cadmium	ND	0.00100	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
Cobalt	ND	0.00200	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
Chromium	ND	0.00800	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
Copper	0.00324	0.00200	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
Iron	0.546	0.0400	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
Mercury	ND	0.250	ug/l	1	P9H0806	08/08/19	08/13/19	EPA 7470A	QAL1
Manganese	0.160	0.0200	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
Molybdenum	0.00146	0.00200	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1, J
Nickel	ND	0.0060	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
Lead	0.0259	0.0110	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
Selenium	0.00287	0.00400	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1, J
Zinc	0.0119	0.00100	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1

Metals by EPA 6000/7000 Series Methods

Boron	0.145	0.0520	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
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TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Post-Carbon
9G30006-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

H

pH	7.53		pH Units	1	P9H0402	08/04/19	08/05/19	EPA 150.1	
Temperature	21.1		°C	1	P9H0402	08/04/19	08/05/19	EPA 170.1	

Total Metals by EPA / Standard Methods

Silver	ND	0.00500	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
Aluminum	0.0794	0.0550	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
Arsenic	0.0114	0.00800	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
Barium	0.342	0.00100	mg/L	1	P9H0601	08/06/19	08/06/19	6010B	QAL1
Cadmium	ND	0.00100	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
Cobalt	ND	0.00200	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
Chromium	ND	0.00800	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
Copper	0.00551	0.00200	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
Iron	0.467	0.0400	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
Mercury	ND	0.250	ug/l	1	P9H0806	08/08/19	08/13/19	EPA 7470A	QAL1
Manganese	0.384	0.0200	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
Molybdenum	0.00272	0.00200	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
Nickel	ND	0.0060	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
Lead	0.0246	0.0110	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
Selenium	0.00390	0.00400	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1, J
Zinc	0.00831	0.00100	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1

Metals by EPA 6000/7000 Series Methods

Boron	0.123	0.0520	mg/L	1	P9H0601	08/06/19	08/06/19	EPA 6010B	QAL1
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TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9H0402 - * DEFAULT PREP *****

Calibration Check (P9H0402-CCV1)

Prepared: 08/04/19 Analyzed: 08/05/19

Temperature	21.1		°C				0-200			
pH	7.03		pH Units	7.00		100	97.5-102.5			

Calibration Check (P9H0402-CCV2)

Prepared: 08/04/19 Analyzed: 08/05/19

pH	7.04		pH Units	7.00		101	97.5-102.5			
Temperature	21.2		°C				0-200			

Duplicate (P9H0402-DUP1)

Source: 9G09028-02

Prepared: 08/04/19 Analyzed: 08/05/19

pH	7.82		pH Units		7.84			0.255	20	
Temperature	21.0		°C		21.0			0.00	200	

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9H0601 - * DEFAULT PREP *****

Blank (P9H0601-BLK1)

Prepared & Analyzed: 08/06/19

Aluminum	ND	0.0550	mg/L							QAL1
Lead	ND	0.0110	"							QAL1
Nickel	ND	0.0060	"							QAL1
Manganese	ND	0.0200	"							QAL1
Molybdenum	ND	0.00200	"							QAL1
Iron	ND	0.0400	"							QAL1
Arsenic	ND	0.00800	"							QAL1
Copper	0.00202	0.00200	"							QAL1
Chromium	ND	0.00800	"							QAL1
Barium	ND	0.00100	"							QAL1
Cobalt	ND	0.00200	"							QAL1
Cadmium	ND	0.00100	"							QAL1
Silver	ND	0.00500	"							QAL1
Zinc	0.00598	0.00100	"							QAL1
Selenium	ND	0.00400	"							QAL1

LCS (P9H0601-BS1)

Prepared & Analyzed: 08/06/19

Manganese	0.0860	0.0200	mg/L	0.0800		107	80-120			QAL1
Molybdenum	0.0831	0.00200	"	0.0800		104	80-120			QAL1
Iron	0.0762	0.0400	"	0.0800		95.3	80-120			QAL1
Silver	0.0772	0.00500	"	0.0800		96.6	80-120			QAL1
Cadmium	0.0831	0.00100	"	0.0800		104	80-120			QAL1
Copper	0.0832	0.00200	"	0.0800		104	80-120			QAL1
Zinc	0.0833	0.00100	"	0.0800		104	80-120			QAL1
Aluminum	0.0827	0.0550	"	0.0800		103	80-120			QAL1
Nickel	0.0820	0.0060	"	0.0800		103	80-120			QAL1
Chromium	0.0825	0.00800	"	0.0800		103	80-120			QAL1
Barium	0.0811	0.00100	"	0.0800		101	80-120			QAL1
Lead	0.0814	0.0110	"	0.0800		102	80-120			QAL1
Cobalt	0.0836	0.00200	"	0.0800		104	80-120			QAL1
Selenium	0.0796	0.00400	"	0.0800		99.5	80-120			QAL1
Arsenic	0.0833	0.00800	"	0.0800		104	80-120			QAL1

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9H0601 - * DEFAULT PREP *****

LCS Dup (P9H0601-BSD1)

Prepared & Analyzed: 08/06/19

Arsenic	0.0831	0.00800	mg/L	0.0800		104	80-120	0.231	20	QAL1
Chromium	0.0818	0.00800	"	0.0800		102	80-120	0.868	20	QAL1
Copper	0.0817	0.00200	"	0.0800		102	80-120	1.82	20	QAL1
Aluminum	0.0795	0.0550	"	0.0800		99.4	80-120	3.86	20	QAL1
Barium	0.0803	0.00100	"	0.0800		100	80-120	1.00	20	QAL1
Cadmium	0.0821	0.00100	"	0.0800		103	80-120	1.17	20	QAL1
Iron	0.0752	0.0400	"	0.0800		94.0	80-120	1.34	20	QAL1
Nickel	0.0812	0.0060	"	0.0800		101	80-120	1.07	20	QAL1
Manganese	0.0848	0.0200	"	0.0800		106	80-120	1.41	20	QAL1
Silver	0.0788	0.00500	"	0.0800		98.6	80-120	2.04	20	QAL1
Selenium	0.0784	0.00400	"	0.0800		98.0	80-120	1.52	20	QAL1
Lead	0.0803	0.0110	"	0.0800		100	80-120	1.38	20	QAL1
Cobalt	0.0829	0.00200	"	0.0800		104	80-120	0.787	20	QAL1
Molybdenum	0.0816	0.00200	"	0.0800		102	80-120	1.83	20	QAL1
Zinc	0.0811	0.00100	"	0.0800		101	80-120	2.72	20	QAL1

Matrix Spike (P9H0601-MS1)

Source: 9G30006-01

Prepared & Analyzed: 08/06/19

Zinc	0.0838	0.00100	mg/L	0.0800	0.00237	102	75-125			QAL1
Aluminum	0.0880	0.0550	"	0.0800	0.0208	84.1	75-125			QAL1
Arsenic	0.101	0.00800	"	0.0800	0.0141	108	75-125			QAL1
Silver	0.0711	0.00500	"	0.0800	ND	88.8	75-125			QAL1
Selenium	0.0857	0.00400	"	0.0800	0.00243	104	75-125			QAL1
Barium	0.424	0.00100	"	0.0800	0.352	89.7	75-125			QAL1
Cadmium	0.0830	0.00100	"	0.0800	ND	104	75-125			QAL1
Lead	0.102	0.0110	"	0.0800	0.0272	93.6	75-125			QAL1
Iron	1.08	0.0400	"	0.0800	1.02	72.3	75-125			QAL1
Nickel	0.0779	0.0060	"	0.0800	ND	97.3	75-125			QAL1
Cobalt	0.0816	0.00200	"	0.0800	ND	102	75-125			QAL1
Chromium	0.0810	0.00800	"	0.0800	ND	101	75-125			QAL1
Molybdenum	0.0836	0.00200	"	0.0800	ND	105	75-125			QAL1
Copper	0.0839	0.00200	"	0.0800	0.00327	101	75-125			QAL1
Manganese	0.249	0.0200	"	0.0800	0.167	102	75-125			QAL1

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9H0601 - * DEFAULT PREP *****

Matrix Spike Dup (P9H0601-MSD1)		Source: 9G30006-01			Prepared & Analyzed: 08/06/19					
Silver	0.0725	0.00500	mg/L	0.0800	ND	90.6	75-125	2.01	20	QAL1
Aluminum	0.0952	0.0550	"	0.0800	0.0208	93.1	75-125	7.83	20	QAL1
Barium	0.433	0.00100	"	0.0800	0.352	101	75-125	2.05	20	QAL1
Arsenic	0.103	0.00800	"	0.0800	0.0141	111	75-125	1.61	20	QAL1
Nickel	0.0802	0.0060	"	0.0800	ND	100	75-125	2.96	20	QAL1
Copper	0.0850	0.00200	"	0.0800	0.00327	102	75-125	1.24	20	QAL1
Iron	1.11	0.0400	"	0.0800	1.02	109	75-125	2.64	20	QAL1
Chromium	0.0841	0.00800	"	0.0800	ND	105	75-125	3.77	20	QAL1
Cadmium	0.0843	0.00100	"	0.0800	ND	105	75-125	1.58	20	QAL1
Molybdenum	0.0853	0.00200	"	0.0800	ND	107	75-125	1.99	20	QAL1
Manganese	0.255	0.0200	"	0.0800	0.167	110	75-125	2.49	20	QAL1
Lead	0.105	0.0110	"	0.0800	0.0272	96.7	75-125	2.43	20	QAL1
Cobalt	0.0833	0.00200	"	0.0800	ND	104	75-125	2.16	20	QAL1
Selenium	0.0895	0.00400	"	0.0800	0.00243	109	75-125	4.23	20	QAL1
Zinc	0.0857	0.00100	"	0.0800	0.00237	104	75-125	2.24	20	QAL1

Post Spike (P9H0601-PS1)		Source: 9G30006-01			Prepared & Analyzed: 08/06/19					
Lead	0.219		mg/L	0.200	0.0272	95.7	75-125			QAL1
Aluminum	0.238		"	0.200	0.0208	109	80-120			QAL1
Silver	0.213		"	0.200	-0.00406	106	85-115			QAL1
Iron	1.09		"	0.200	1.02	33.0	85-115			QAL1
Selenium	0.214		"	0.200	0.00243	106	80-120			QAL1
Copper	0.207		"	0.200	0.00327	102	85-115			QAL1
Zinc	0.214		"	0.200	0.00237	106	80-120			QAL1
Manganese	0.355		"	0.200	0.167	93.9	80-120			QAL1
Chromium	0.207		"	0.200	0.000795	103	80-120			QAL1
Arsenic	0.232		"	0.200	0.0141	109	80-120			QAL1
Barium	0.503		"	0.200	0.352	75.0	75-125			QAL1
Cadmium	0.212		"	0.200	0.000286	106	85-115			QAL1

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9H0601 - * DEFAULT PREP *****

Dilution Check (P9H0601-SRL1)

Source: 9G30006-01

Prepared & Analyzed: 08/06/19

Molybdenum	ND	0.00200	mg/L		ND				200	QAL1
Zinc	ND	0.00100	"		0.00237				200	QAL1
Barium	0.368	0.00100	"		0.352			4.19	200	QAL1
Selenium	ND	0.00400	"		0.00243				200	QAL1
Cadmium	ND	0.00100	"		ND				200	QAL1
Iron	1.09	0.0400	"		1.02			6.42	200	QAL1
Aluminum	ND	0.0550	"		0.0208				200	QAL1
Nickel	0.00137	0.0060	"		ND				200	QAL1
Lead	0.0181	0.0110	"		0.0272			40.3	200	QAL1
Manganese	0.180	0.0200	"		0.167			7.72	200	QAL1
Cobalt	ND	0.00200	"		ND				200	QAL1
Arsenic	0.0210	0.00800	"		0.0141			39.2	200	QAL1
Silver	ND	0.00500	"		ND				200	QAL1
Copper	0.0116	0.00200	"		0.00327			112	200	QAL1
Chromium	ND	0.00800	"		ND				200	QAL1

Batch P9H0806 - EPA 245.1

Blank (P9H0806-BLK1)

Prepared: 08/08/19 Analyzed: 08/13/19

Mercury	ND	0.250	ug/l							QAL1
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LCS (P9H0806-BS1)

Prepared: 08/08/19 Analyzed: 08/13/19

Mercury	2.05	0.250	ug/l	2.00	102	80-120				QAL1
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LCS Dup (P9H0806-BSD1)

Prepared: 08/08/19 Analyzed: 08/13/19

Mercury	2.09	0.250	ug/l	2.00	104	80-120	1.93	20		QAL1
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TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P9H0806 - EPA 245.1										
Calibration Blank (P9H0806-CCB1)				Prepared: 08/08/19 Analyzed: 08/13/19						
Mercury	-0.0300		ug/l							QAL1
Calibration Blank (P9H0806-CCB2)				Prepared: 08/08/19 Analyzed: 08/13/19						
Mercury	-0.0300		ug/l							QAL1
Calibration Check (P9H0806-CCV1)				Prepared: 08/08/19 Analyzed: 08/13/19						
Mercury	0.820	0.250	ug/l	0.800		102	90-110			QAL1
Calibration Check (P9H0806-CCV2)				Prepared: 08/08/19 Analyzed: 08/13/19						
Mercury	0.740	0.250	ug/l	0.800		92.5	90-110			QAL1
Matrix Spike (P9H0806-MS1)		Source: 9G30006-02		Prepared: 08/08/19 Analyzed: 08/13/19						
Mercury	2.09	0.250	ug/l	2.00	ND	104	75-125			QAL1
Matrix Spike Dup (P9H0806-MSD1)		Source: 9G30006-02		Prepared: 08/08/19 Analyzed: 08/13/19						
Mercury	2.11	0.250	ug/l	2.00	ND	106	75-125	0.952	20	QAL1

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Metals by EPA 6000/7000 Series Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P9H0601 - *** DEFAULT PREP ***										
Blank (P9H0601-BLK1)				Prepared & Analyzed: 08/06/19						
Boron	ND	0.0520	mg/L							QAL1
LCS (P9H0601-BS1)				Prepared & Analyzed: 08/06/19						
Boron	0.0754	0.0520	mg/L	0.0800		94.2	80-120			QAL1
LCS Dup (P9H0601-BSD1)				Prepared & Analyzed: 08/06/19						
Boron	0.0732	0.0520	mg/L	0.0800		91.5	80-120	2.91	20	QAL1
Matrix Spike (P9H0601-MS1)				Source: 9G30006-01		Prepared & Analyzed: 08/06/19				
Boron	0.228	0.0520	mg/L	0.0800	0.152	95.2	75-125			QAL1
Matrix Spike Dup (P9H0601-MSD1)				Source: 9G30006-01		Prepared & Analyzed: 08/06/19				
Boron	0.232	0.0520	mg/L	0.0800	0.152	100	75-125	1.77	20	QAL1
Dilution Check (P9H0601-SRL1)				Source: 9G30006-01		Prepared & Analyzed: 08/06/19				
Boron	0.110	0.0520	mg/L		0.152			31.5	200	QAL1

Notes and Definitions

ROI	Received on Ice
QAL1	The Laboratory is not TNI Certified for this analyte or analysis.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
H	Original Analysis was above the calibration range. Reanalysis at dilution was performed outside of the Holding Time.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By:



Date:

3/5/2020

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Revised Analytical Report

Prepared for:

Curt Stanley
TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland, TX 79705

Project: TNM 97-04
Project Number: TNM 97-04
Location: Lea County, NM
Lab Order Number: 0A24023



Current Certification

Report Date: 03/05/20

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Post Metals	0A24023-01	Water	01/23/20 19:00	01-24-2020 12:05

On 03/05/2020 PBELAB was advised to review the reporting limit for Chromium. It was found that the RL was 0.09 mg/L and it should have read 0.008 mg/L.

This revised report reflects that correction.

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Post Metals
0A24023-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Total Metals by EPA / Standard Methods

Silver	ND	0.00500	mg/L	1	P0B1101	02/11/20	02/12/20	EPA 6010B	QAL1
Aluminum	ND	0.0550	mg/L	1	P0B1104	02/11/20	02/19/20	EPA 6010B	QAL1
Arsenic	0.0157	0.00800	mg/L	1	P0B1101	02/11/20	02/12/20	EPA 6010B	QAL1
Barium	0.245	0.00100	mg/L	1	P0B1101	02/11/20	02/12/20	6010B	QAL1
Cadmium	ND	0.00100	mg/L	1	P0B1101	02/11/20	02/12/20	EPA 6010B	QAL1
Cobalt	ND	0.00200	mg/L	1	P0B1103	02/11/20	02/13/20	EPA 6010B	QAL1
Chromium	ND	0.00800	mg/L	1	P0B1104	02/11/20	02/19/20	EPA 6010B	QAL1
Copper	0.00375	0.00200	mg/L	1	P0B1101	02/11/20	02/12/20	EPA 6010B	QAL1
Iron	0.348	0.0400	mg/L	1	P0B1105	02/11/20	02/14/20	EPA 6010B	QAL1
Mercury	ND	0.250	ug/l	1	P0A3008	01/30/20	02/03/20	EPA 7470A	QAL1
Manganese	0.119	0.0200	mg/L	1	P0B1101	02/11/20	02/12/20	EPA 6010B	QAL1
Molybdenum	ND	0.00200	mg/L	1	P0B1102	02/11/20	02/12/20	EPA 6010B	QAL1
Nickel	ND	0.0060	mg/L	1	P0B1105	02/11/20	02/14/20	EPA 6010B	QAL1
Lead	ND	0.0110	mg/L	1	P0B1105	02/11/20	02/14/20	EPA 6010B	QAL1
Selenium	0.0190	0.00400	mg/L	1	P0B1101	02/11/20	02/12/20	EPA 6010B	QAL1
Zinc	0.0173	0.00100	mg/L	1	P0B1104	02/11/20	02/19/20	EPA 6010B	QAL1

Metals by EPA 6000/7000 Series Methods

Boron	0.0651	0.0520	mg/L	1	P0B1101	02/11/20	02/12/20	EPA 6010B	QAL1
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TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0A3008 - EPA 7470A										
Blank (P0A3008-BLK1)				Prepared: 01/30/20 Analyzed: 02/03/20						
Mercury	ND	0.250	ug/l							QAL1
LCS (P0A3008-BS1)				Prepared: 01/30/20 Analyzed: 02/03/20						
Mercury	2.18	0.250	ug/l	2.00		109	80-120			QAL1
LCS Dup (P0A3008-BSD1)				Prepared: 01/30/20 Analyzed: 02/03/20						
Mercury	2.20	0.250	ug/l	2.00		110	80-120	0.913	20	QAL1
Calibration Blank (P0A3008-CCB1)				Prepared: 01/30/20 Analyzed: 02/03/20						
Mercury	0.00		ug/l							QAL1
Calibration Blank (P0A3008-CCB2)				Prepared: 01/30/20 Analyzed: 02/03/20						
Mercury	0.00		ug/l							QAL1
Calibration Check (P0A3008-CCV1)				Prepared: 01/30/20 Analyzed: 02/03/20						
Mercury	0.870	0.250	ug/l	0.800		109	85-115			QAL1
Calibration Check (P0A3008-CCV2)				Prepared: 01/30/20 Analyzed: 02/03/20						
Mercury	0.900	0.250	ug/l	0.800		112	85-115			QAL1
Matrix Spike (P0A3008-MS1)		Source: 0A27002-01		Prepared: 01/30/20 Analyzed: 02/03/20						
Mercury	2.23	0.250	ug/l	2.00	ND	112	75-125			QAL1
Matrix Spike Dup (P0A3008-MSD1)		Source: 0A27002-01		Prepared: 01/30/20 Analyzed: 02/03/20						
Mercury	2.21	0.250	ug/l	2.00	ND	110	75-125	0.901	20	QAL1
Batch P0B1101 - *** DEFAULT PREP ***										
Blank (P0B1101-BLK1)				Prepared: 02/11/20 Analyzed: 02/12/20						
Copper	ND	0.00200	mg/L							QAL1
Selenium	0.00838	0.00400	"							QAL1
Barium	ND	0.00100	"							QAL1
Manganese	ND	0.0200	"							QAL1
Cadmium	ND	0.00100	"							QAL1
Arsenic	ND	0.00800	"							QAL1
Silver	0.00545	0.00500	"							QAL1

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0B1101 - * DEFAULT PREP *****

LCS (P0B1101-BS1)

Prepared: 02/11/20 Analyzed: 02/12/20

Barium	0.0795	0.00100	mg/L	0.0800		99.4	80-120			QAL1
Arsenic	0.0830	0.00800	"	0.0800		104	80-120			QAL1
Manganese	0.0804	0.0200	"	0.0800		101	80-120			QAL1
Copper	0.0804	0.00200	"	0.0800		100	80-120			QAL1
Silver	0.0192	0.00500	"	0.0200		96.2	80-120			QAL1
Selenium	0.158	0.00400	"	0.160		98.9	80-120			QAL1
Cadmium	0.0816	0.00100	"	0.0800		102	80-120			QAL1

LCS Dup (P0B1101-BSD1)

Prepared: 02/11/20 Analyzed: 02/12/20

Silver	0.0179	0.00500	mg/L	0.0200		89.4	80-120	7.37	20	QAL1
Copper	0.0810	0.00200	"	0.0800		101	80-120	0.688	20	QAL1
Manganese	0.0810	0.0200	"	0.0800		101	80-120	0.685	20	QAL1
Arsenic	0.0833	0.00800	"	0.0800		104	80-120	0.366	20	QAL1
Barium	0.0796	0.00100	"	0.0800		99.5	80-120	0.122	20	QAL1
Cadmium	0.0820	0.00100	"	0.0800		102	80-120	0.443	20	QAL1
Selenium	0.161	0.00400	"	0.160		101	80-120	1.77	20	QAL1

Duplicate (P0B1101-DUP1)

Source: 0A10003-05

Prepared: 02/11/20 Analyzed: 02/12/20

Cadmium	0.0424	0.00100	mg/L		0.0428			0.978	20	QAL1
Copper	0.914	0.00200	"		0.930			1.66	20	QAL1
Arsenic	0.0336	0.00800	"		0.0346			2.91	20	QAL1
Silver	ND	0.00500	"		ND				20	QAL1
Barium	0.689	0.00100	"		0.689			0.0168	20	QAL1
Selenium	0.0850	0.00400	"		0.0805			5.55	20	QAL1
Manganese	0.000361	0.0200	"		0.000405			11.7	20	QAL1

Duplicate (P0B1101-DUP2)

Source: 0A10003-06

Prepared: 02/11/20 Analyzed: 02/12/20

Copper	ND	0.00200	mg/L		ND				20	QAL1
Cadmium	ND	0.00100	"		ND				20	QAL1
Manganese	0.754	0.0200	"		0.742			1.57	20	QAL1
Selenium	ND	0.00400	"		0.00527				20	QAL1
Barium	ND	0.00100	"		0.000909				20	QAL1
Silver	0.0786	0.00500	"		0.0782			0.507	20	QAL1
Arsenic	ND	0.00800	"		ND				20	QAL1

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0B1101 - * DEFAULT PREP *****

Duplicate (P0B1101-DUP3)

Source: 0A24011-02

Prepared: 02/11/20 Analyzed: 02/18/20

Copper	0.179	0.00200	mg/L		0.186			4.05	20	QAL1
Cadmium	0.282	0.00100	"		0.288			2.10	20	QAL1
Manganese	0.801	0.0200	"		0.828			3.39	20	QAL1
Selenium	0.617	0.00400	"		0.601			2.57	20	QAL1
Arsenic	0.228	0.00800	"		0.232			1.88	20	QAL1
Silver	0.527	0.00500	"		0.525			0.451	20	QAL1
Barium	1.52	0.00100	"		1.66			8.78	20	QAL1

Matrix Spike (P0B1101-MS1)

Source: 0A24023-01

Prepared: 02/11/20 Analyzed: 02/12/20

Copper	0.0827	0.00200	mg/L	0.0800	0.00375	98.6	75-125			QAL1
Manganese	0.196	0.0200	"	0.0800	0.119	95.8	75-125			QAL1
Selenium	0.154	0.00400	"	0.160	0.0190	84.7	75-125			QAL1
Barium	0.330	0.00100	"	0.0800	0.245	106	75-125			QAL1
Cadmium	0.0787	0.00100	"	0.0800	ND	98.4	75-125			QAL1
Arsenic	0.0929	0.00800	"	0.0800	0.0157	96.5	75-125			QAL1
Silver	0.0140	0.00500	"	0.0200	ND	70.0	75-125			QAL1

Matrix Spike Dup (P0B1101-MSD1)

Source: 0A24023-01

Prepared: 02/11/20 Analyzed: 02/12/20

Silver	0.0179	0.00500	mg/L	0.0200	ND	89.6	75-125	24.6	20	QAL1
Arsenic	0.0937	0.00800	"	0.0800	0.0157	97.6	75-125	0.945	20	QAL1
Selenium	0.155	0.00400	"	0.160	0.0190	84.8	75-125	0.156	20	QAL1
Cadmium	0.0790	0.00100	"	0.0800	ND	98.8	75-125	0.379	20	QAL1
Manganese	0.194	0.0200	"	0.0800	0.119	94.2	75-125	0.665	20	QAL1
Barium	0.326	0.00100	"	0.0800	0.245	102	75-125	1.09	20	QAL1
Copper	0.0805	0.00200	"	0.0800	0.00375	96.0	75-125	2.61	20	QAL1

Reference (P0B1101-SRM1)

Prepared: 02/11/20 Analyzed: 02/12/20

Copper	0.591		mg/L	0.600		98.5	80-120			QAL1
Barium	0.753		"	0.783		96.1	80-120			QAL1
Cadmium	0.0111		"	0.0103		108	80-120			QAL1
Selenium	0.0852		"	0.0867		98.3	80-120			QAL1
Arsenic	0.0376		"	0.0367		102	80-120			QAL1

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0B1101 - * DEFAULT PREP *****

Reference (P0B1101-SRM2)

Prepared: 02/11/20 Analyzed: 02/12/20

Silver	0.0770		mg/L	0.103		74.8	80-120			QAL1
Manganese	0.0516		"	0.0500		103	80-120			QAL1

Reference (P0B1101-SRM3)

Prepared: 02/11/20 Analyzed: 02/12/20

Silver	0.102		mg/L	0.103		99.1	80-120			QAL1
Manganese	0.659		"	0.0500		NR	80-120			QAL1

Batch P0B1102 - * DEFAULT PREP *****

Blank (P0B1102-BLK1)

Prepared: 02/11/20 Analyzed: 02/12/20

Molybdenum	0.00660	0.00200	mg/L							QAL1
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LCS (P0B1102-BS1)

Prepared: 02/11/20 Analyzed: 02/12/20

Molybdenum	0.167	0.00200	mg/L	0.160		104	80-120			QAL1
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LCS Dup (P0B1102-BSD1)

Prepared: 02/11/20 Analyzed: 02/12/20

Molybdenum	0.168	0.00200	mg/L	0.160		105	80-120	0.586	20	QAL1
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Duplicate (P0B1102-DUP1)

Source: 0A10003-06

Prepared: 02/11/20 Analyzed: 02/12/20

Molybdenum	0.108	0.00200	mg/L		0.104			3.82	20	QAL1
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Duplicate (P0B1102-DUP2)

Source: 0A24011-02

Prepared: 02/11/20 Analyzed: 02/12/20

Molybdenum	0.120	0.00200	mg/L		0.122			2.19	20	QAL1
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Duplicate (P0B1102-DUP3)

Source: 0A24011-03

Prepared: 02/11/20 Analyzed: 02/12/20

Molybdenum	ND	0.00200	mg/L		0.00201				20	QAL1
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TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0B1102 - * DEFAULT PREP *****

Matrix Spike (P0B1102-MS1)

Source: 0A24011-03

Prepared: 02/11/20 Analyzed: 02/12/20

Molybdenum	0.150	0.00200	mg/L	0.160	0.00201	92.8	75-125			QAL1
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Matrix Spike Dup (P0B1102-MSD1)

Source: 0A24011-03

Prepared: 02/11/20 Analyzed: 02/12/20

Molybdenum	0.159	0.00200	mg/L	0.160	0.00201	98.1	75-125	5.53	20	QAL1
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Reference (P0B1102-SRM1)

Prepared: 02/11/20 Analyzed: 02/18/20

Molybdenum	0.134		mg/L	0.113		119	80-120			QAL1
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Reference (P0B1102-SRM2)

Prepared: 02/11/20 Analyzed: 02/18/20

Molybdenum	0.474		mg/L	0.433		109	80-120			QAL1
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Batch P0B1103 - * DEFAULT PREP *****

Blank (P0B1103-BLK1)

Prepared: 02/11/20 Analyzed: 02/13/20

Cobalt	ND	0.00200	mg/L							QAL1
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LCS (P0B1103-BS1)

Prepared: 02/11/20 Analyzed: 02/13/20

Cobalt	0.0835	0.00200	mg/L	0.0800		104	80-120			QAL1
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LCS Dup (P0B1103-BSD1)

Prepared: 02/11/20 Analyzed: 02/13/20

Cobalt	0.0831	0.00200	mg/L	0.0800		104	80-120	0.482	20	QAL1
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Duplicate (P0B1103-DUP1)

Source: 0A10003-05

Prepared: 02/11/20 Analyzed: 02/13/20

Cobalt	ND	0.00200	mg/L		ND				20	QAL1
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Duplicate (P0B1103-DUP2)

Source: 0A24011-02

Prepared: 02/11/20 Analyzed: 02/13/20

Cobalt	0.672	0.00200	mg/L		0.649			3.62	20	QAL1
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TRC Solutions- Midland, Texas
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Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0B1103 - * DEFAULT PREP *****

Duplicate (P0B1103-DUP3)		Source: 0A24011-11		Prepared: 02/11/20		Analyzed: 02/13/20				
Cobalt	ND	0.00200	mg/L		ND			20		QAL1
Matrix Spike (P0B1103-MS1)		Source: 0A24011-11		Prepared: 02/11/20		Analyzed: 02/13/20				
Cobalt	0.0835	0.00200	mg/L	0.0800	ND	104	75-125			QAL1
Matrix Spike Dup (P0B1103-MSD1)		Source: 0A24011-11		Prepared: 02/11/20		Analyzed: 02/13/20				
Cobalt	0.0825	0.00200	mg/L	0.0800	ND	103	75-125	1.23	20	QAL1
Reference (P0B1103-SRM2)				Prepared: 02/11/20		Analyzed: 02/13/20				
Cobalt	0.279		mg/L	0.270		103	74-126			QAL1

Batch P0B1104 - * DEFAULT PREP *****

Blank (P0B1104-BLK1)				Prepared: 02/11/20		Analyzed: 02/19/20				
Chromium	ND	0.00800	mg/L							QAL1
Zinc	0.00372	0.00100	"							QAL1
Aluminum	ND	0.0550	"							QAL1
LCS (P0B1104-BS1)				Prepared: 02/11/20		Analyzed: 02/19/20				
Zinc	0.165	0.00100	mg/L	0.160		103	80-120			QAL1
Chromium	0.157	0.00800	"	0.160		98.0	80-120			QAL1
Aluminum	0.373	0.0550	"	0.320		116	80-120			QAL1
LCS Dup (P0B1104-BSD1)				Prepared: 02/11/20		Analyzed: 02/19/20				
Chromium	0.153	0.00800	mg/L	0.160		95.6	80-120	2.58	20	QAL1
Aluminum	0.355	0.0550	"	0.320		111	80-120	4.73	20	QAL1
Zinc	0.168	0.00100	"	0.160		105	80-120	1.75	20	QAL1

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

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Total Metals by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0B1104 - * DEFAULT PREP *****

Duplicate (P0B1104-DUP1)		Source: 0A10003-05		Prepared: 02/11/20 Analyzed: 02/19/20						
Chromium	0.118	0.00800	mg/L		0.125			5.41	20	QAL1
Aluminum	ND	0.0550	"		ND				20	QAL1
Duplicate (P0B1104-DUP2)		Source: 0A10003-06		Prepared: 02/11/20 Analyzed: 02/19/20						
Zinc	0.262	0.00100	mg/L		0.259			1.17	20	QAL1
Aluminum	0.460	0.0550	"		0.221			70.1	20	QAL1
Chromium	ND	0.00800	"		ND				20	QAL1
Duplicate (P0B1104-DUP3)		Source: 0A24011-02		Prepared: 02/11/20 Analyzed: 02/19/20						
Zinc	1.14	0.00100	mg/L		1.15			1.46	20	QAL1
Chromium	0.553	0.00800	"		0.555			0.282	20	QAL1
Aluminum	3.27	0.0550	"		3.42			4.34	20	QAL1
Duplicate (P0B1104-DUP4)		Source: 0A24011-03		Prepared: 02/11/20 Analyzed: 02/19/20						
Zinc	0.00472	0.00100	mg/L		0.00436			8.04	20	QAL1
Chromium	ND	0.00800	"		ND				20	QAL1
Aluminum	ND	0.0550	"		ND				20	QAL1
Matrix Spike (P0B1104-MS1)		Source: 0A24011-03		Prepared: 02/11/20 Analyzed: 02/19/20						
Zinc	0.170	0.00100	mg/L	0.160	0.00436	103	75-125			QAL1
Aluminum	0.361	0.0550	"	0.320	ND	113	75-125			QAL1
Chromium	0.152	0.00800	"	0.160	ND	95.3	75-125			QAL1
Matrix Spike Dup (P0B1104-MSD1)		Source: 0A24011-03		Prepared: 02/11/20 Analyzed: 02/19/20						
Zinc	0.169	0.00100	mg/L	0.160	0.00436	103	75-125	0.380	20	QAL1
Chromium	0.155	0.00800	"	0.160	ND	96.7	75-125	1.49	20	QAL1
Aluminum	0.341	0.0550	"	0.320	ND	106	75-125	5.93	20	QAL1

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0B1104 - * DEFAULT PREP *****

Reference (P0B1104-SRM1)				Prepared: 02/11/20 Analyzed: 02/19/20			
Chromium	0.130	mg/L	0.153	85.1	80-120		OAL1

Reference (P0B1104-SRM2)			Prepared: 02/11/20 Analyzed: 02/19/20				
Zinc	1.58	mg/L	1.63	96.7	80-120	QAL1	
Aluminum	0.665	"	0.667	99.7	80-120	QAL1	

Reference (P0B1104-SRM3)			Prepared: 02/11/20 Analyzed: 02/19/20			
Zinc	0.981	mg/L	0.977	100	80-120	QAL1
Chromium	0.279	"	0.300	93.0	63-136	QAL1
Aluminum	0.632	"	0.600	105	60-140	QAL1

Batch P0B1105 - * DEFAULT PREP *****

Blank (P0B1105-BLK1)				Prepared: 02/11/20 Analyzed: 02/14/20			
Iron	ND	0.0400	mg/L				QAL1
Lead	ND	0.0110	"				QAL1
Nickel	ND	0.0060	"				QAL1

LCS (P0B1105-BS1)				Prepared: 02/11/20 Analyzed: 02/14/20			
Nickel	0.0827	0.0060	mg/L	0.0800	103	80-120	QAL1
Iron	0.349	0.0400	"	0.320	109	80-120	QAL1
Lead	0.332	0.0110	"	0.320	104	80-120	QAL1

LCS Dup (P0B1105-BSD1)				Prepared: 02/11/20 Analyzed: 02/14/20						
Lead	0.326	0.0110	mg/L	0.320	102	80-120	1.94	20	QAL1	
Nickel	0.0843	0.0060	"	0.0800	105	80-120	1.99	20	QAL1	
Iron	0.317	0.0400	"	0.320	99.0	80-120	9.67	20	QAL1	

TRC Solutions- Midland, Texas
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Midland TX, 79705

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Total Metals by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0B1105 - * DEFAULT PREP *****

Duplicate (P0B1105-DUP1) **Source: 0A10003-05** Prepared: 02/11/20 Analyzed: 02/14/20

Nickel	0.426	0.0060	mg/L		0.422			0.924	20	QAL1
Lead	0.0262	0.0110	"		0.0267			1.79	20	QAL1
Iron	ND	0.0400	"		ND				20	QAL1

Duplicate (P0B1105-DUP2) **Source: 0A10003-06** Prepared: 02/11/20 Analyzed: 02/14/20

Nickel	ND	0.0060	mg/L		ND				20	QAL1
Lead	ND	0.0110	"		ND				20	QAL1
Iron	1.61	0.0400	"		1.66			2.91	20	QAL1

Duplicate (P0B1105-DUP3) **Source: 0A24011-02** Prepared: 02/11/20 Analyzed: 02/14/20

Lead	0.667	0.0110	mg/L		0.659			1.20	20	QAL1
Nickel	0.681	0.0060	"		0.672			1.38	20	QAL1
Iron	0.636	0.0400	"		0.634			0.396	20	QAL1

Matrix Spike (P0B1105-MS1) **Source: 0A24011-02** Prepared: 02/11/20 Analyzed: 02/14/20

Iron	0.984	0.0400	mg/L	0.320	0.634	110	75-125			QAL1
Lead	1.00	0.0110	"	0.320	0.659	108	75-125			QAL1
Nickel	0.763	0.0060	"	0.0800	0.672	114	75-125			QAL1

Matrix Spike Dup (P0B1105-MSD1) **Source: 0A24011-02** Prepared: 02/11/20 Analyzed: 02/14/20

Lead	1.01	0.0110	mg/L	0.320	0.659	108	75-125	0.0730	20	QAL1
Nickel	0.760	0.0060	"	0.0800	0.672	109	75-125	0.453	20	QAL1
Iron	1.01	0.0400	"	0.320	0.634	117	75-125	2.30	20	QAL1

Reference (P0B1105-SRM1) Prepared: 02/11/20 Analyzed: 02/14/20

Nickel	0.485		mg/L	0.470		103	80-120			QAL1
Lead	0.0869		"	0.0867		100	80-120			QAL1

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0B1105 - * DEFAULT PREP *****

Reference (P0B1105-SRM2)

Prepared: 02/11/20 Analyzed: 02/14/20

Iron	0.578		mg/L	0.600		96.3	80-120			QAL1
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Reference (P0B1105-SRM3)

Prepared: 02/11/20 Analyzed: 02/14/20

Nickel	1.12		mg/L	1.10		102	80-120			QAL1
Lead	0.480		"	0.467		103	80-120			QAL1
Iron	2.73		"	2.85		95.9	80-120			QAL1

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Metals by EPA 6000/7000 Series Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0B1101 - *** DEFAULT PREP ***										
Blank (P0B1101-BLK1)				Prepared: 02/11/20 Analyzed: 02/12/20						
Boron	ND	0.0520	mg/L							
LCS (P0B1101-BS1)				Prepared: 02/11/20 Analyzed: 02/12/20						
Boron	0.0831	0.0520	mg/L	0.0800		104	80-120			
LCS Dup (P0B1101-BSD1)				Prepared: 02/11/20 Analyzed: 02/12/20						
Boron	0.0833	0.0520	mg/L	0.0800		104	80-120	0.241	20	
Duplicate (P0B1101-DUP1)				Source: 0A10003-05		Prepared: 02/11/20 Analyzed: 02/12/20				
Boron	ND	0.0520	mg/L		ND				20	
Duplicate (P0B1101-DUP2)				Source: 0A10003-06		Prepared: 02/11/20 Analyzed: 02/12/20				
Boron	1.79	0.0520	mg/L		1.76			1.81	20	
Duplicate (P0B1101-DUP3)				Source: 0A24011-02		Prepared: 02/11/20 Analyzed: 02/12/20				
Boron	ND	0.0520	mg/L		ND				20	
Matrix Spike (P0B1101-MS1)				Source: 0A24023-01		Prepared: 02/11/20 Analyzed: 02/12/20				
Boron	0.145	0.0520	mg/L	0.0800	0.0651	99.5	75-125			
Matrix Spike Dup (P0B1101-MSD1)				Source: 0A24023-01		Prepared: 02/11/20 Analyzed: 02/12/20				
Boron	0.143	0.0520	mg/L	0.0800	0.0651	98.0	75-125	0.849	20	

Notes and Definitions

QAL1 The Laboratory is not TNI Certified for this analyte or analysis.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

3/5/2020

Brent Barron, Laboratory Director/Technical Director

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If you have received this material in error, please notify us immediately at 432-686-7235.

Phone: 432-661-4184

e 16 of 16

Page 16 of 16

Page 16 of 16

Page 16 of 16

Page 16 of 16

Page 16 of 16

Page 16 of 16

Page 16 of 16

Standard TAT

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							X	Standard TAT	
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**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Curt Stanley
TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland, TX 79705

Project: TNM 97-04
Project Number: TNM 97-04
Location: Lovington, NM
Lab Order Number: 9D01010



NELAP/TCEQ # T104704516-18-9

Report Date: 04/10/19

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
POST	9D01010-01	Water	04/01/19 10:50	04-01-2019 14:53

Low Level PAH analysis was subcontracted to ALS Houston. Their report is attached after the Chain of Custody. Their TCEQ TNI certification number can be found here:
http://www.tceq.texas.gov/assets/public/compliance/compliance_support/qa/labs/als_svcs_houston.pdf

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

POST
9D01010-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P9D0801	04/08/19	04/08/19	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P9D0801	04/08/19	04/08/19	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P9D0801	04/08/19	04/08/19	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P9D0801	04/08/19	04/08/19	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P9D0801	04/08/19	04/08/19	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>110 %</i>	<i>80-120</i>		<i>P9D0801</i>	<i>04/08/19</i>	<i>04/08/19</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>		<i>86.6 %</i>	<i>80-120</i>		<i>P9D0801</i>	<i>04/08/19</i>	<i>04/08/19</i>	<i>EPA 8021B</i>	

PAH compounds by Semivolatile GCMS

1-Methylnaphthalene	ND	0.00010	mg/L	1	P9D0902	04/05/19	04/05/19	8270C	SUB-13
2-Methylnaphthalene	ND	0.00010	mg/L	1	P9D0902	04/05/19	04/05/19	8270C	SUB-13
Acenaphthene	ND	0.00010	mg/L	1	P9D0902	04/05/19	04/05/19	8270C	SUB-13
Acenaphthylene	ND	0.00010	mg/L	1	P9D0902	04/05/19	04/05/19	8270C	SUB-13
Anthracene	ND	0.00010	mg/L	1	P9D0902	04/05/19	04/05/19	8270C	SUB-13
Benzo (a) anthracene	ND	0.00010	mg/L	1	P9D0902	04/05/19	04/05/19	8270C	SUB-13
Benzo (a) pyrene	ND	0.00010	mg/L	1	P9D0902	04/05/19	04/05/19	8270C	SUB-13
Benzo (b) fluoranthene	ND	0.00010	mg/L	1	P9D0902	04/05/19	04/05/19	8270C	SUB-13
Benzo (g,h,i) perylene	ND	0.00010	mg/L	1	P9D0902	04/05/19	04/05/19	8270C	SUB-13
Benzo (k) fluoranthene	ND	0.00010	mg/L	1	P9D0902	04/05/19	04/05/19	8270C	SUB-13
Chrysene	ND	0.00010	mg/L	1	P9D0902	04/05/19	04/05/19	8270C	SUB-13
Dibenzo (a,h) anthracene	ND	0.00010	mg/L	1	P9D0902	04/05/19	04/05/19	8270C	SUB-13
Dibenzofuran	ND	0.00010	mg/L	1	P9D0902	04/05/19	04/05/19	8270C	SUB-13
Fluoranthene	ND	0.00010	mg/L	1	P9D0902	04/05/19	04/05/19	8270C	SUB-13
Fluorene	ND	0.00010	mg/L	1	P9D0902	04/05/19	04/05/19	8270C	SUB-13
Indeno (1,2,3-cd) pyrene	ND	0.00010	mg/L	1	P9D0902	04/05/19	04/05/19	8270C	SUB-13
Naphthalene	ND	0.00010	mg/L	1	P9D0902	04/05/19	04/05/19	8270C	SUB-13
Phenanthrene	ND	0.00010	mg/L	1	P9D0902	04/05/19	04/05/19	8270C	SUB-13
Pyrene	ND	0.00010	mg/L	1	P9D0902	04/05/19	04/05/19	8270C	SUB-13

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9D0801 - General Preparation (GC)

Blank (P9D0801-BLK1)

Prepared & Analyzed: 04/08/19

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.0660		"	0.0600		110	80-120			
Surrogate: 1,4-Difluorobenzene	0.0488		"	0.0600		81.4	80-120			

LCS (P9D0801-BS1)

Prepared & Analyzed: 04/08/19

Benzene	0.118	0.00100	mg/L	0.100		118	80-120			
Toluene	0.115	0.00100	"	0.100		115	80-120			
Ethylbenzene	0.104	0.00100	"	0.100		104	80-120			
Xylene (p/m)	0.228	0.00200	"	0.200		114	80-120			
Xylene (o)	0.117	0.00100	"	0.100		117	80-120			
Surrogate: 4-Bromofluorobenzene	0.0631		"	0.0600		105	80-120			
Surrogate: 1,4-Difluorobenzene	0.0618		"	0.0600		103	80-120			

LCS Dup (P9D0801-BSD1)

Prepared & Analyzed: 04/08/19

Benzene	0.113	0.00100	mg/L	0.100		113	80-120	4.69	20	
Toluene	0.116	0.00100	"	0.100		116	80-120	0.580	20	
Ethylbenzene	0.100	0.00100	"	0.100		100	80-120	3.73	20	
Xylene (p/m)	0.223	0.00200	"	0.200		112	80-120	1.89	20	
Xylene (o)	0.112	0.00100	"	0.100		112	80-120	4.48	20	
Surrogate: 4-Bromofluorobenzene	0.0557		"	0.0600		92.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.0505		"	0.0600		84.2	80-120			

Calibration Blank (P9D0801-CCB1)

Prepared & Analyzed: 04/08/19

Benzene	0.00		mg/L							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.0671		"	0.0600		112	80-120			
Surrogate: 1,4-Difluorobenzene	0.0496		"	0.0600		82.7	80-120			

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9D0801 - General Preparation (GC)

Matrix Spike (P9D0801-MS1)

Source: 9D01010-01

Prepared & Analyzed: 04/08/19

Benzene	0.118	0.00100	mg/L	0.100	ND	118	80-120			
Toluene	0.119	0.00100	"	0.100	ND	119	80-120			
Ethylbenzene	0.103	0.00100	"	0.100	ND	103	80-120			
Xylene (p/m)	0.222	0.00200	"	0.200	ND	111	80-120			
Xylene (o)	0.115	0.00100	"	0.100	ND	115	80-120			
Surrogate: 4-Bromofluorobenzene	0.0595		"	0.0600		99.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.0532		"	0.0600		88.6	80-120			

Matrix Spike Dup (P9D0801-MSD1)

Source: 9D01010-01

Prepared & Analyzed: 04/08/19

Benzene	0.116	0.00100	mg/L	0.100	ND	116	80-120	1.69	20	
Toluene	0.120	0.00100	"	0.100	ND	120	80-120	0.963	20	
Ethylbenzene	0.105	0.00100	"	0.100	ND	105	80-120	1.88	20	
Xylene (p/m)	0.219	0.00200	"	0.200	ND	110	80-120	1.16	20	
Xylene (o)	0.119	0.00100	"	0.100	ND	119	80-120	3.04	20	
Surrogate: 4-Bromofluorobenzene	0.0571		"	0.0600		95.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.0532		"	0.0600		88.6	80-120			

TRC Solutions- Midland, Texas
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Project: TNM 97-04
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Project Manager: Curt Stanley

Fax: (432) 520-7701

Notes and Definitions

SUB-13 Subcontract of analyte/analysis to ALS Houston TCEQ/NELAC # T-104704231-15-15

ROI Received on Ice

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

4/10/2019

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.



10450 Stancliff Rd. Suite 210
Houston, TX 77099
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April 08, 2019

Brent Barron
Permian Basin Environmental Lab, LP
10014 SCR 1213

Midland, TX 79706

Work Order: **HS19040097**

Laboratory Results for: **9D01001**

Dear Brent,

ALS Environmental received 1 sample(s) on Apr 02, 2019 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: DAYNA.FISHER
Bernadette A. Fini
Project Manager

Client: Permian Basin Environmental Lab, LP
Project: 9D01001
Work Order: HS19040097

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS19040097-01	9D01001-01	Water		01-Apr-2019 12:47	02-Apr-2019 08:51	☐

Client: Permian Basin Environmental Lab, LP
Project: 9D01001
Work Order: HS19040097

CASE NARRATIVE

GCMS Semivolatiles by Method SW8270

Batch ID: 139524

Sample ID: LCSD-139524

- LCSD RPD was above the control limits. The individual recoveries were in control.
-

Client: Permian Basin Environmental Lab, LP
 Project: 9D01001
 Sample ID: 9D01001-01
 Collection Date: 01-Apr-2019 12:47

ANALYTICAL REPORT

WorkOrder:HS19040097
 Lab ID:HS19040097-01
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL PAHS - 8270D		Method:SW8270		Prep:SW3511 / 05-Apr-2019		Analyst: ACN
1-Methylnaphthalene	ND	n	0.103	ug/L	1	05-Apr-2019 16:13
2-Methylnaphthalene	ND		0.103	ug/L	1	05-Apr-2019 16:13
Acenaphthene	ND		0.103	ug/L	1	05-Apr-2019 16:13
Acenaphthylene	ND		0.103	ug/L	1	05-Apr-2019 16:13
Anthracene	ND		0.103	ug/L	1	05-Apr-2019 16:13
Benz(a)anthracene	ND		0.103	ug/L	1	05-Apr-2019 16:13
Benzo(a)pyrene	ND		0.103	ug/L	1	05-Apr-2019 16:13
Benzo(b)fluoranthene	ND		0.103	ug/L	1	05-Apr-2019 16:13
Benzo(g,h,i)perylene	ND		0.103	ug/L	1	05-Apr-2019 16:13
Benzo(k)fluoranthene	ND		0.103	ug/L	1	05-Apr-2019 16:13
Chrysene	ND		0.103	ug/L	1	05-Apr-2019 16:13
Dibenz(a,h)anthracene	ND		0.103	ug/L	1	05-Apr-2019 16:13
Dibenzofuran	ND		0.103	ug/L	1	05-Apr-2019 16:13
Fluoranthene	ND		0.103	ug/L	1	05-Apr-2019 16:13
Fluorene	ND		0.103	ug/L	1	05-Apr-2019 16:13
Indeno(1,2,3-cd)pyrene	ND		0.103	ug/L	1	05-Apr-2019 16:13
Naphthalene	ND		0.103	ug/L	1	05-Apr-2019 16:13
Phenanthrene	ND		0.103	ug/L	1	05-Apr-2019 16:13
Pyrene	ND		0.103	ug/L	1	05-Apr-2019 16:13
Surr: 2-Fluorobiphenyl	98.8		32-130	%REC	1	05-Apr-2019 16:13
Surr: 4-Terphenyl-d14	101		40-135	%REC	1	05-Apr-2019 16:13
Surr: Nitrobenzene-d5	84.6		45-142	%REC	1	05-Apr-2019 16:13

Note: See Qualifiers Page for a list of qualifiers and their explanation.

WEIGHT LOG

Client: Permian Basin Environmental Lab, LP
Project: 9D01001
WorkOrder: HS19040097

Batch ID: 139524 **Method:** LOW-LEVEL PAHS - 8270D **Prep:** 3511_PAH

SampleID	Container	Sample Wt/Vol	Final Volume	Prep Factor
HS19040097-01	1	32	2 (mL)	0.0625

Client: Permian Basin Environmental Lab, LP
Project: 9D01001
WorkOrder: HS19040097

DATES REPORT

Sample ID	Client Samp ID	Collection Date	TCLP Date	Prep Date	Analysis Date	DF
Batch ID 139524	Test Name : LOW-LEVEL PAHS - 8270D		Matrix: Water			
HS19040097-01	9D01001-01	01 Apr 2019 12:47		05 Apr 2019 11:36	05 Apr 2019 16:13	1

Client: Permian Basin Environmental Lab, LP
Project: 9D01001
WorkOrder: HS19040097

QC BATCH REPORT NEW

Batch ID: 139524 (0)		Instrument: SV-6		Method: LOW-LEVEL PAHS - 8270D					
MBLK	Sample ID: MBLK-139524	Units: ug/L		Analysis Date: 05-Apr-2019 14:50					
Client ID:	Run ID: SV-6_336067	SeqNo: 5024500		PrepDate: 05-Apr-2019		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
1-Methylnaphthalene	ND	0.100							
2-Methylnaphthalene	ND	0.100							
Acenaphthene	ND	0.100							
Acenaphthylene	ND	0.100							
Anthracene	ND	0.100							
Benz(a)anthracene	ND	0.100							
Benzo(a)pyrene	ND	0.100							
Benzo(b)fluoranthene	ND	0.100							
Benzo(g,h,i)perylene	ND	0.100							
Benzo(k)fluoranthene	ND	0.100							
Chrysene	ND	0.100							
Dibenz(a,h)anthracene	ND	0.100							
Dibenzofuran	ND	0.100							
Fluoranthene	ND	0.100							
Fluorene	ND	0.100							
Indeno(1,2,3-cd)pyrene	ND	0.100							
Naphthalene	ND	0.100							
Phenanthrene	ND	0.100							
Pyrene	ND	0.100							
Surr: 2-Fluorobiphenyl	2.386	0.100	3.03	0	78.8	32 - 130			
Surr: 4-Terphenyl-d14	3.274	0.100	3.03	0	108	40 - 135			
Surr: Nitrobenzene-d5	2.799	0.100	3.03	0	92.4	45 - 142			

Client: Permian Basin Environmental Lab, LP
Project: 9D01001
WorkOrder: HS19040097

QC BATCH REPORT NEW

Batch ID: 139524 (0)		Instrument: SV-6		Method: LOW-LEVEL PAHS - 8270D					
LCS		Sample ID: LCS-139524		Units: ug/L		Analysis Date: 05-Apr-2019 15:49			
Client ID:		Run ID: SV-6_336067		SeqNo: 5024502		PrepDate: 05-Apr-2019		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
1-Methylnaphthalene	4.109	0.100	3.03	0	136	40 - 140			
2-Methylnaphthalene	3.959	0.100	3.03	0	131	40 - 140			
Acenaphthene	3.019	0.100	3.03	0	99.6	40 - 140			
Acenaphthylene	3.125	0.100	3.03	0	103	40 - 140			
Anthracene	2.462	0.100	3.03	0	81.3	40 - 140			
Benz(a)anthracene	2.018	0.100	3.03	0	66.6	40 - 140			
Benzo(a)pyrene	3.455	0.100	3.03	0	114	40 - 140			
Benzo(b)fluoranthene	2.131	0.100	3.03	0	70.3	40 - 140			
Benzo(g,h,i)perylene	2.405	0.100	3.03	0	79.4	40 - 140			
Benzo(k)fluoranthene	2.665	0.100	3.03	0	87.9	40 - 140			
Chrysene	3.072	0.100	3.03	0	101	40 - 140			
Dibenz(a,h)anthracene	2.78	0.100	3.03	0	91.8	40 - 140			
Dibenzofuran	3.439	0.100	3.03	0	113	40 - 140			
Fluoranthene	3.719	0.100	3.03	0	123	40 - 140			
Fluorene	2.868	0.100	3.03	0	94.7	40 - 140			
Indeno(1,2,3-cd)pyrene	2.741	0.100	3.03	0	90.5	40 - 140			
Naphthalene	3.806	0.100	3.03	0	126	40 - 140			
Phenanthrene	2.753	0.100	3.03	0	90.8	40 - 140			
Pyrene	1.989	0.100	3.03	0	65.6	40 - 140			
Surr: 2-Fluorobiphenyl	3.191	0.100	3.03	0	105	32 - 130			
Surr: 4-Terphenyl-d14	2.537	0.100	3.03	0	83.7	40 - 135			
Surr: Nitrobenzene-d5	3.53	0.100	3.03	0	117	45 - 142			

Client: Permian Basin Environmental Lab, LP
Project: 9D01001
WorkOrder: HS19040097

QC BATCH REPORT NEW

Batch ID: 139524 (0)		Instrument: SV-6		Method: LOW-LEVEL PAHS - 8270D						
LCSD		Sample ID: LCSD-139524		Units: ug/L		Analysis Date: 05-Apr-2019 15:29				
Client ID:		Run ID: SV-6_336067		SeqNo: 5024501		PrepDate: 05-Apr-2019		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	4.03	0.100	3.03	0	133	40 - 140	4.109	1.94	25	
2-Methylnaphthalene	3.895	0.100	3.03	0	129	40 - 140	3.959	1.63	25	
Acenaphthene	2.901	0.100	3.03	0	95.8	40 - 140	3.019	3.97	25	
Acenaphthylene	3.142	0.100	3.03	0	104	40 - 140	3.125	0.536	25	
Anthracene	2.537	0.100	3.03	0	83.7	40 - 140	2.462	2.98	25	
Benz(a)anthracene	2.065	0.100	3.03	0	68.1	40 - 140	2.018	2.32	25	
Benzo(a)pyrene	3.244	0.100	3.03	0	107	40 - 140	3.455	6.31	25	
Benzo(b)fluoranthene	2.997	0.100	3.03	0	98.9	40 - 140	2.131	33.8	25	R
Benzo(g,h,i)perylene	3.027	0.100	3.03	0	99.9	40 - 140	2.405	22.9	25	
Benzo(k)fluoranthene	3.827	0.100	3.03	0	126	40 - 140	2.665	35.8	25	R
Chrysene	2.897	0.100	3.03	0	95.6	40 - 140	3.072	5.83	25	
Dibenz(a,h)anthracene	3.392	0.100	3.03	0	112	40 - 140	2.78	19.8	25	
Dibenzofuran	3.614	0.100	3.03	0	119	40 - 140	3.439	4.96	25	
Fluoranthene	4.042	0.100	3.03	0	133	40 - 140	3.719	8.31	25	
Fluorene	3.176	0.100	3.03	0	105	40 - 140	2.868	10.2	25	
Indeno(1,2,3-cd)pyrene	3.341	0.100	3.03	0	110	40 - 140	2.741	19.7	25	
Naphthalene	3.57	0.100	3.03	0	118	40 - 140	3.806	6.38	25	
Phenanthrene	2.961	0.100	3.03	0	97.7	40 - 140	2.753	7.3	25	
Pyrene	2.02	0.100	3.03	0	66.7	40 - 140	1.989	1.57	25	
Surr: 2-Fluorobiphenyl	2.746	0.100	3.03	0	90.6	32 - 130	3.191	15	25	
Surr: 4-Terphenyl-d14	2.542	0.100	3.03	0	83.9	40 - 135	2.537	0.184	25	
Surr: Nitrobenzene-d5	3.189	0.100	3.03	0	105	45 - 142	3.53	10.2	25	

The following samples were analyzed in this batch: HS19040097-01

Client: Permian Basin Environmental Lab, LP
Project: 9D01001
WorkOrder: HS19040097

**QUALIFIERS,
ACRONYMS, UNITS**

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Texas	T10470231-18-21	30-Apr-2019
North Dakota	R193 2018-2019	30-Apr-2019
Illinois	004438	29-Jun-2019
Louisiana	03087	30-Jun-2019
Dept of Defense	ANAB L2231	20-Dec-2021
Kentucky	123043 - 2018	30-Apr-2019
Kansas	E-10352 2018-2019	31-Jul-2019
Oklahoma	2018-156	31-Aug-2019
North Carolina	624-2019	31-Dec-2019
California	2919, 2018-2019	30-Apr-2019
Maryland	343, 2018-2019	30-Jun-2019
Arkansas	19-028-0	27-Mar-2020

Client: Permian Basin Environmental Lab, LP
Project: 9D01001
Work Order: HS19040097

SAMPLE TRACKING

Lab Samp ID	Client Sample ID	Action	Date	Person	New Location
HS19040097-01	9D01001-01	Login	4/2/2019 11:27:50 AM	JRM	MET036

Sample Receipt Checklist

Client Name: Permian Basin Lab
Work Order: HS19040097

Date/Time Received: **02-Apr-2019 08:51**
Received by: **PMG**

Checklist completed by: Jared R. Makan 2-Apr-2019
eSignature Date

Reviewed by: _____
eSignature Date

Matrices: **Water**

Carrier name: **ALS Courier**

Shipping container/cooler in good condition?
Custody seals intact on shipping container/cooler?
Custody seals intact on sample bottles?
VOA/TX1005/TX1006 Solids in hermetically sealed vials?
Chain of custody present?
Chain of custody signed when relinquished and received?
Samplers name present on COC?
Chain of custody agrees with sample labels?
Samples in proper container/bottle?
Sample containers intact?
Sufficient sample volume for indicated test?
All samples received within holding time?
Container/Temp Blank temperature in compliance?
Temperature(s)/Thermometer(s):
Cooler(s)/Kit(s):
Date/Time sample(s) sent to storage:
Water - VOA vials have zero headspace?
Water - pH acceptable upon receipt?
pH adjusted?
pH adjusted by:

Yes ☒	No ☐	Not Present ☐
Yes ☐	No ☐	Not Present ☒
Yes ☐	No ☐	Not Present ☒
Yes ☐	No ☐	Not Present ☒
Yes ☒	No ☐	1 Page(s)
Yes ☒	No ☐	COC IDs:N/A
Yes ☐	No ☒	
Yes ☒	No ☐	
Yes ☒	No ☐	
Yes ☒	No ☐	
Yes ☒	No ☐	
Yes ☒	No ☐	

2.1c/2.1c UC/C	IR25	
Client cooler		
04/02/2019 11:30		
Yes ☒	No ☐	No VOA vials submitted ☐
Yes ☐	No ☐	N/A ☒
Yes ☐	No ☐	N/A ☒

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

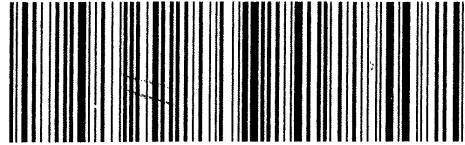
Corrective Action:

FedEx
TRK#
0200 8132 0809 8096

TUE - 02 APR AA
STANDARD OVERNIGHT

AB SGRA

77099
TX-US
IAH



FID 484796 01APR19 MAF 553C1/D7E5/BCBA

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Curt Stanley
TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland, TX 79705

Project: 97-04
Project Number: TNM 97-04
Location: Lovington, NM
Lab Order Number: 9D22004



NELAP/TCEQ # T104704516-18-9

Report Date: 04/30/19

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Post	9D22004-01	Water	04/22/19 10:45	04-22-2019 16:02

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Post
9D22004-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P9D2501	04/25/19	04/25/19	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P9D2501	04/25/19	04/25/19	EPA 8021B
Ethylbenzene	ND	0.00100	mg/L	1	P9D2501	04/25/19	04/25/19	EPA 8021B
Xylene (p/m)	ND	0.00200	mg/L	1	P9D2501	04/25/19	04/25/19	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P9D2501	04/25/19	04/25/19	EPA 8021B
Surrogate: 4-Bromofluorobenzene		106 %	80-120		P9D2501	04/25/19	04/25/19	EPA 8021B
Surrogate: 1,4-Difluorobenzene		89.8 %	80-120		P9D2501	04/25/19	04/25/19	EPA 8021B

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
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Project Manager: Curt Stanley

Fax: (432) 520-7701

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9D2501 - General Preparation (GC)

Blank (P9D2501-BLK1)

Prepared & Analyzed: 04/25/19

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.0638		"	0.0600		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.0566		"	0.0600		94.3	80-120			

LCS (P9D2501-BS1)

Prepared & Analyzed: 04/25/19

Benzene	0.0878	0.00100	mg/L	0.100		87.8	80-120			
Toluene	0.0984	0.00100	"	0.100		98.4	80-120			
Ethylbenzene	0.0931	0.00100	"	0.100		93.1	80-120			
Xylene (p/m)	0.227	0.00200	"	0.200		113	80-120			
Xylene (o)	0.109	0.00100	"	0.100		109	80-120			
Surrogate: 4-Bromofluorobenzene	0.0622		"	0.0600		104	80-120			
Surrogate: 1,4-Difluorobenzene	0.0568		"	0.0600		94.6	80-120			

LCS Dup (P9D2501-BSD1)

Prepared & Analyzed: 04/25/19

Benzene	0.0974	0.00100	mg/L	0.100		97.4	80-120	10.3	20	
Toluene	0.107	0.00100	"	0.100		107	80-120	8.36	20	
Ethylbenzene	0.0978	0.00100	"	0.100		97.8	80-120	4.93	20	
Xylene (p/m)	0.227	0.00200	"	0.200		114	80-120	0.211	20	
Xylene (o)	0.104	0.00100	"	0.100		104	80-120	5.23	20	
Surrogate: 4-Bromofluorobenzene	0.0664		"	0.0600		111	80-120			
Surrogate: 1,4-Difluorobenzene	0.0632		"	0.0600		105	80-120			

Calibration Blank (P9D2501-CCB1)

Prepared & Analyzed: 04/25/19

Benzene	0.00		mg/L							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.0559		"	0.0600		93.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.0622		"	0.0600		104	80-120			

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9D2501 - General Preparation (GC)

Calibration Check (P9D2501-CCV1)

Prepared & Analyzed: 04/25/19

Benzene	0.0841	0.00100	mg/L	0.100		84.1	80-120			
Toluene	0.0865	0.00100	"	0.100		86.5	80-120			
Ethylbenzene	0.0927	0.00100	"	0.100		92.7	80-120			
Xylene (p/m)	0.206	0.00200	"	0.200		103	80-120			
Xylene (o)	0.106	0.00100	"	0.100		106	80-120			
Surrogate: 4-Bromofluorobenzene	0.0500		"	0.0600		83.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.0610		"	0.0600		102	80-120			

Calibration Check (P9D2501-CCV2)

Prepared & Analyzed: 04/25/19

Benzene	0.110	0.00100	mg/L	0.100		110	80-120			
Toluene	0.107	0.00100	"	0.100		107	80-120			
Ethylbenzene	0.109	0.00100	"	0.100		109	80-120			
Xylene (p/m)	0.194	0.00200	"	0.200		96.9	80-120			
Xylene (o)	0.112	0.00100	"	0.100		112	80-120			
Surrogate: 4-Bromofluorobenzene	0.0623		"	0.0600		104	80-120			
Surrogate: 1,4-Difluorobenzene	0.0640		"	0.0600		107	80-120			

Matrix Spike (P9D2501-MS1)

Source: 9D24006-01

Prepared & Analyzed: 04/25/19

Benzene	0.0671	0.00100	mg/L	0.100	ND	67.1	80-120			QM-05
Toluene	0.0787	0.00100	"	0.100	ND	78.7	80-120			QM-05
Ethylbenzene	0.112	0.00100	"	0.100	ND	112	80-120			
Xylene (p/m)	0.191	0.00200	"	0.200	ND	95.4	80-120			
Xylene (o)	0.100	0.00100	"	0.100	ND	100	80-120			
Surrogate: 4-Bromofluorobenzene	0.0640		"	0.0600		107	80-120			
Surrogate: 1,4-Difluorobenzene	0.0637		"	0.0600		106	80-120			

Matrix Spike Dup (P9D2501-MSD1)

Source: 9D24006-01

Prepared & Analyzed: 04/25/19

Benzene	0.0791	0.00100	mg/L	0.100	ND	79.1	80-120	16.4	20	QM-05
Toluene	0.0924	0.00100	"	0.100	ND	92.4	80-120	16.0	20	
Ethylbenzene	0.130	0.00100	"	0.100	ND	130	80-120	15.2	20	QM-05
Xylene (p/m)	0.215	0.00200	"	0.200	ND	107	80-120	11.8	20	
Xylene (o)	0.116	0.00100	"	0.100	ND	116	80-120	14.6	20	
Surrogate: 4-Bromofluorobenzene	0.0660		"	0.0600		110	80-120			
Surrogate: 1,4-Difluorobenzene	0.0631		"	0.0600		105	80-120			

Notes and Definitions

QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By:



Date:

4/30/2019

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, LP
10014 S. County Road 1213
Midland, Texas 79706

Phone: 432-686-7235

Project Manager: Curt Stanley

Company Name: TRC

Company Address: 16 Dester Dr Suite 150 E

City/State/Zip: Midland TX 79705

Telephone No: 432-520 7720

Fax No: _____

Sampler Signature: Terry Reed e-mail: _____

Report Format: ☐ Standard ☐ TRRP ☐ NPDES

Project Name: 97-04

Project #: TWN 97-04

Project Loc: Levinton, NM

PO #: _____

(lab use only)

ORDER #: 9D22004

LAB # (lab use only)

FIELD CODE

01 Post

Beginning Depth

Ending Depth

Date Sampled

Time Sampled

Field Filtered

Total #. of Containers

ice

HNO₃

HCl

H₂SO₄

NaOH

Na₂S₂O₃

None

Other (Specify)

DW=Drinking Water SL=Sludge

GW = Groundwater S=Soil/Solid

NP=Non-Potable Specify Other

TPH: TX 1005

TX 1006

Anions (Cl, SO₄, Alkalinity)

BTEX 8021B/5030 or BTEX 8260

RUSH TAT (Pre-Schedule) 24, 48, 72 hrs

Standard TAT

Special Instructions:

Relinquished by: [Signature]

Date

4/1/22

Time

1600

Received by:

Received by:

Date

4/22/19

Time

16:09

Laboratory Comments:

Sample Containers J1412

VOCs Free of Headspace?

Labels on containers?

Custody seals on containers?

Sample Hand Delivered

by Courier? UPS DHL FedEx

Temperature Upon Receipt:

Adjusted: 11.2 °C Factor

Y

Y

Y

Y

Y

Y

Y

Y

N

N

N

N

N

N

N

N

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Curt Stanley
TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland, TX 79705

Project: TNM 97-04
Project Number: TNM 97-04
Location: Lea County, NM
Lab Order Number: 9G10009



NELAP/TCEQ # T104704516-18-9

Report Date: 07/24/19

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Post-Carbon	9G10009-01	Water	07/09/19 12:10	07-10-2019 16:23

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Post-Carbon
9G10009-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P9G1207	07/12/19	07/12/19	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P9G1207	07/12/19	07/12/19	EPA 8021B
Ethylbenzene	ND	0.00100	mg/L	1	P9G1207	07/12/19	07/12/19	EPA 8021B
Xylene (p/m)	ND	0.00200	mg/L	1	P9G1207	07/12/19	07/12/19	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P9G1207	07/12/19	07/12/19	EPA 8021B
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>113 %</i>	<i>80-120</i>		<i>P9G1207</i>	<i>07/12/19</i>	<i>07/12/19</i>	<i>EPA 8021B</i>
<i>Surrogate: 1,4-Difluorobenzene</i>		<i>97.5 %</i>	<i>80-120</i>		<i>P9G1207</i>	<i>07/12/19</i>	<i>07/12/19</i>	<i>EPA 8021B</i>

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9G1207 - General Preparation (GC)

Blank (P9G1207-BLK1)

Prepared & Analyzed: 07/12/19

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		96.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.107		"	0.120		89.0	80-120			

LCS (P9G1207-BS1)

Prepared & Analyzed: 07/12/19

Benzene	0.113	0.00100	mg/L	0.100		113	80-120			
Toluene	0.112	0.00100	"	0.100		112	80-120			
Ethylbenzene	0.110	0.00100	"	0.100		110	80-120			
Xylene (p/m)	0.232	0.00200	"	0.200		116	80-120			
Xylene (o)	0.119	0.00100	"	0.100		119	80-120			
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120		87.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.5	80-120			

LCS Dup (P9G1207-BSD1)

Prepared & Analyzed: 07/12/19

Benzene	0.109	0.00100	mg/L	0.100		109	80-120	4.32	20	
Toluene	0.110	0.00100	"	0.100		110	80-120	2.21	20	
Ethylbenzene	0.108	0.00100	"	0.100		108	80-120	1.48	20	
Xylene (p/m)	0.235	0.00200	"	0.200		117	80-120	1.27	20	
Xylene (o)	0.117	0.00100	"	0.100		117	80-120	2.00	20	
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120		87.5	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.5	80-120			

Calibration Blank (P9G1207-CCB1)

Prepared & Analyzed: 07/12/19

Benzene	0.00		mg/L							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.142		"	0.120		118	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.7	80-120			

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9G1207 - General Preparation (GC)

Calibration Check (P9G1207-CCV1)

Prepared & Analyzed: 07/12/19

Benzene	0.110	0.00100	mg/L	0.100		110	80-120			
Toluene	0.112	0.00100	"	0.100		112	80-120			
Ethylbenzene	0.107	0.00100	"	0.100		107	80-120			
Xylene (p/m)	0.240	0.00200	"	0.200		120	80-120			
Xylene (o)	0.120	0.00100	"	0.100		120	80-120			
Surrogate: 4-Bromofluorobenzene	0.126		"	0.120		105	80-120			
Surrogate: 1,4-Difluorobenzene	0.134		"	0.120		112	80-120			

Calibration Check (P9G1207-CCV2)

Prepared & Analyzed: 07/12/19

Benzene	0.103	0.00100	mg/L	0.100		103	80-120			
Toluene	0.103	0.00100	"	0.100		103	80-120			
Ethylbenzene	0.0956	0.00100	"	0.100		95.6	80-120			
Xylene (p/m)	0.229	0.00200	"	0.200		114	80-120			
Xylene (o)	0.115	0.00100	"	0.100		115	80-120			
Surrogate: 4-Bromofluorobenzene	0.111		"	0.120		92.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.139		"	0.120		116	80-120			

Matrix Spike (P9G1207-MS1)

Source: 9G12005-01

Prepared & Analyzed: 07/12/19

Benzene	0.110	0.00100	mg/L	0.100	ND	110	80-120			
Toluene	0.118	0.00100	"	0.100	ND	118	80-120			
Ethylbenzene	0.109	0.00100	"	0.100	ND	109	80-120			
Xylene (p/m)	0.239	0.00200	"	0.200	ND	120	80-120			
Xylene (o)	0.117	0.00100	"	0.100	ND	117	80-120			
Surrogate: 4-Bromofluorobenzene	0.129		"	0.120		107	80-120			
Surrogate: 1,4-Difluorobenzene	0.127		"	0.120		106	80-120			

Matrix Spike Dup (P9G1207-MSD1)

Source: 9G12005-01

Prepared & Analyzed: 07/12/19

Benzene	0.109	0.00100	mg/L	0.100	ND	109	80-120	0.238	20	
Toluene	0.112	0.00100	"	0.100	ND	112	80-120	4.95	20	
Ethylbenzene	0.110	0.00100	"	0.100	ND	110	80-120	1.25	20	
Xylene (p/m)	0.223	0.00200	"	0.200	ND	111	80-120	7.21	20	
Xylene (o)	0.116	0.00100	"	0.100	ND	116	80-120	1.04	20	
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Notes and Definitions

ROI Received on Ice
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
LCS Laboratory Control Spike
MS Matrix Spike
Dup Duplicate

Report Approved By:



Date:

7/24/2019

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Curt Stanley
TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland, TX 79705

Project: TNM 97-04
Project Number: TNM 97-04
Location: Lea County, NM
Lab Order Number: 9G10009



NELAP/TCEQ # T104704516-18-9

Report Date: 07/24/19

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Post-Carbon	9G10009-01	Water	07/09/19 12:10	07-10-2019 16:23

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Post-Carbon
9G10009-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P9G1207	07/12/19	07/12/19	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P9G1207	07/12/19	07/12/19	EPA 8021B
Ethylbenzene	ND	0.00100	mg/L	1	P9G1207	07/12/19	07/12/19	EPA 8021B
Xylene (p/m)	ND	0.00200	mg/L	1	P9G1207	07/12/19	07/12/19	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P9G1207	07/12/19	07/12/19	EPA 8021B
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>113 %</i>	<i>80-120</i>		<i>P9G1207</i>	<i>07/12/19</i>	<i>07/12/19</i>	<i>EPA 8021B</i>
<i>Surrogate: 1,4-Difluorobenzene</i>		<i>97.5 %</i>	<i>80-120</i>		<i>P9G1207</i>	<i>07/12/19</i>	<i>07/12/19</i>	<i>EPA 8021B</i>

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9G1207 - General Preparation (GC)

Blank (P9G1207-BLK1)

Prepared & Analyzed: 07/12/19

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		96.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.107		"	0.120		89.0	80-120			

LCS (P9G1207-BS1)

Prepared & Analyzed: 07/12/19

Benzene	0.113	0.00100	mg/L	0.100		113	80-120			
Toluene	0.112	0.00100	"	0.100		112	80-120			
Ethylbenzene	0.110	0.00100	"	0.100		110	80-120			
Xylene (p/m)	0.232	0.00200	"	0.200		116	80-120			
Xylene (o)	0.119	0.00100	"	0.100		119	80-120			
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120		87.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.5	80-120			

LCS Dup (P9G1207-BSD1)

Prepared & Analyzed: 07/12/19

Benzene	0.109	0.00100	mg/L	0.100		109	80-120	4.32	20	
Toluene	0.110	0.00100	"	0.100		110	80-120	2.21	20	
Ethylbenzene	0.108	0.00100	"	0.100		108	80-120	1.48	20	
Xylene (p/m)	0.235	0.00200	"	0.200		117	80-120	1.27	20	
Xylene (o)	0.117	0.00100	"	0.100		117	80-120	2.00	20	
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120		87.5	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.5	80-120			

Calibration Blank (P9G1207-CCB1)

Prepared & Analyzed: 07/12/19

Benzene	0.00		mg/L							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.142		"	0.120		118	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.7	80-120			

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9G1207 - General Preparation (GC)

Calibration Check (P9G1207-CCV1)

Prepared & Analyzed: 07/12/19

Benzene	0.110	0.00100	mg/L	0.100		110	80-120			
Toluene	0.112	0.00100	"	0.100		112	80-120			
Ethylbenzene	0.107	0.00100	"	0.100		107	80-120			
Xylene (p/m)	0.240	0.00200	"	0.200		120	80-120			
Xylene (o)	0.120	0.00100	"	0.100		120	80-120			
Surrogate: 4-Bromofluorobenzene	0.126		"	0.120		105	80-120			
Surrogate: 1,4-Difluorobenzene	0.134		"	0.120		112	80-120			

Calibration Check (P9G1207-CCV2)

Prepared & Analyzed: 07/12/19

Benzene	0.103	0.00100	mg/L	0.100		103	80-120			
Toluene	0.103	0.00100	"	0.100		103	80-120			
Ethylbenzene	0.0956	0.00100	"	0.100		95.6	80-120			
Xylene (p/m)	0.229	0.00200	"	0.200		114	80-120			
Xylene (o)	0.115	0.00100	"	0.100		115	80-120			
Surrogate: 4-Bromofluorobenzene	0.111		"	0.120		92.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.139		"	0.120		116	80-120			

Matrix Spike (P9G1207-MS1)

Source: 9G12005-01

Prepared & Analyzed: 07/12/19

Benzene	0.110	0.00100	mg/L	0.100	ND	110	80-120			
Toluene	0.118	0.00100	"	0.100	ND	118	80-120			
Ethylbenzene	0.109	0.00100	"	0.100	ND	109	80-120			
Xylene (p/m)	0.239	0.00200	"	0.200	ND	120	80-120			
Xylene (o)	0.117	0.00100	"	0.100	ND	117	80-120			
Surrogate: 4-Bromofluorobenzene	0.129		"	0.120		107	80-120			
Surrogate: 1,4-Difluorobenzene	0.127		"	0.120		106	80-120			

Matrix Spike Dup (P9G1207-MSD1)

Source: 9G12005-01

Prepared & Analyzed: 07/12/19

Benzene	0.109	0.00100	mg/L	0.100	ND	109	80-120	0.238	20	
Toluene	0.112	0.00100	"	0.100	ND	112	80-120	4.95	20	
Ethylbenzene	0.110	0.00100	"	0.100	ND	110	80-120	1.25	20	
Xylene (p/m)	0.223	0.00200	"	0.200	ND	111	80-120	7.21	20	
Xylene (o)	0.116	0.00100	"	0.100	ND	116	80-120	1.04	20	
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Notes and Definitions

ROI Received on Ice
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
LCS Laboratory Control Spike
MS Matrix Spike
Dup Duplicate

Report Approved By:



Date:

7/24/2019

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Curt Stanley
TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland, TX 79705

Project: TNM 97-04
Project Number: TNM 97-04
Location: Lea County, NM
Lab Order Number: 9G10008



NELAP/TCEQ # T104704516-18-9

Report Date: 07/24/19

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Post-Carbon	9G10008-01	Water	07/09/19 12:05	07-10-2019 16:23

Low Level PAH analysis was subcontracted to ALS Houston. Their report is attached after the Chain of Custody. Their TCEQ TNI certification number can be found here:
http://www.tceq.texas.gov/assets/public/compliance/compliance_support/qa/labs/als_svcs_houston.pdf

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Post-Carbon
9G10008-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

PAH compounds by Semivolatile GCMS

1-Methylnaphthalene	ND	0.00010	mg/L	1	P9G2402	07/15/19	07/16/19	8270C	SUB-13
2-Methylnaphthalene	ND	0.00010	mg/L	1	P9G2402	07/15/19	07/16/19	8270C	SUB-13
Acenaphthene	ND	0.00010	mg/L	1	P9G2402	07/15/19	07/16/19	8270C	SUB-13
Acenaphthylene	ND	0.00010	mg/L	1	P9G2402	07/15/19	07/16/19	8270C	SUB-13
Anthracene	ND	0.00010	mg/L	1	P9G2402	07/15/19	07/16/19	8270C	SUB-13
Benzo (a) anthracene	ND	0.00010	mg/L	1	P9G2402	07/15/19	07/16/19	8270C	SUB-13
Benzo (a) pyrene	ND	0.00010	mg/L	1	P9G2402	07/15/19	07/16/19	8270C	SUB-13
Benzo (b) fluoranthene	ND	0.00010	mg/L	1	P9G2402	07/15/19	07/16/19	8270C	SUB-13
Benzo (g,h,i) perylene	ND	0.00010	mg/L	1	P9G2402	07/15/19	07/16/19	8270C	SUB-13
Benzo (k) fluoranthene	ND	0.00010	mg/L	1	P9G2402	07/15/19	07/16/19	8270C	SUB-13
Chrysene	ND	0.00010	mg/L	1	P9G2402	07/15/19	07/16/19	8270C	SUB-13
Dibenzo (a,h) anthracene	ND	0.00010	mg/L	1	P9G2402	07/15/19	07/16/19	8270C	SUB-13
Dibenzofuran	ND	0.00010	mg/L	1	P9G2402	07/15/19	07/16/19	8270C	SUB-13
Fluoranthene	ND	0.00010	mg/L	1	P9G2402	07/15/19	07/16/19	8270C	SUB-13
Fluorene	ND	0.00010	mg/L	1	P9G2402	07/15/19	07/16/19	8270C	SUB-13
Indeno (1,2,3-cd) pyrene	ND	0.00010	mg/L	1	P9G2402	07/15/19	07/16/19	8270C	SUB-13
Naphthalene	ND	0.00010	mg/L	1	P9G2402	07/15/19	07/16/19	8270C	SUB-13
Phenanthrene	ND	0.00010	mg/L	1	P9G2402	07/15/19	07/16/19	8270C	SUB-13
Pyrene	ND	0.00010	mg/L	1	P9G2402	07/15/19	07/16/19	8270C	SUB-13

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Notes and Definitions

SUB-13 Subcontract of analyte/analysis to ALS Houston TCEQ/NELAC # T-104704231-15-15

ROI Received on Ice

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

7/24/2019

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, LP
10014 S. County Road 1213
Midland, Texas 79706

Phone: 432-661-4184

Project Manager: Curt Stanley

Project Name: TNM: 97-04

Company Name: TRC Environmental Corporation

Project #: TNM: 97-04

Company Address: 10 Delta Drive Suite 150E

Project Loc: Lea County, NM

City/State/Zip: Midland/TX/79705

PO #:

Telephone No: (432)5207720

Fax No:

Report Format:

☒ Standard

☐ TRRP

☐ NPDES

Sampler Signature: [Signature]

e-mail:

cdstanley@trcsolutions.com

(lab use only)

ORDER #: 9610008

clbryant@paalp.com
algroves@paalp.com
sstanley@trcsolutions.com

Preservation & # of Containers

Matrix

Analyze For:

TCLP:

TOTAL:

TOTAL:

TOTAL:

TOTAL:

TOTAL:

TOTAL:

TOTAL:

TOTAL:

TOTAL:

TOTAL:

TOTAL:

TOTAL:

TOTAL:

LAB # (lab use only)

FIELD CODE

Beginning Depth

Ending Depth

Date Sampled

Time Sampled

Field Filtered

Total #. of Containers

Ice

HNO₃

HCl

H₂SO₄

NaOH

Na₂S₂O₃

None

Other (Specify)

DW=Drinking Water SL=Sludge

GW = Groundwater S=Soil/Solid

NP=Non-Potable Specify Other

W

TPH: 418.1 8015M 8015B

TPH: TX 1005 TX 1006

Polynuclear Aromatic Hydrocarbon

Anions (Cl, SO₄, Alkalinity)

SAR / ESP / CEC

Metals: As Ag Ba Cd Cr Pb Hg Se

Volatiles

Semivolatiles

BTEX 8021B/5030 or BTEX 8260

RCI

N.O.R.M.

Chlorides E 300

Paint Filter

TCLP Benzene

RUSH TAT (Pre-Schedule) 24, 48, 72 hrs

Standard TAT

Special Instructions:

Bill to Plains

Relinquished by: [Signature] Date: 7/10/19 Time: 16:23

Relinquished by: [Signature] Date: 7/10/19 Time: 16:23

Relinquished by: [Signature] Date: 7/10/19 Time: 16:23

Laboratory Comments:

Sample Containers Intact?

VOCs Free of Headspace?

Labels on Containers?

Custody seals on container(s)?

Custody seals on container(s)?

Sample Hand Delivered by Sampler/Client Rep.?

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt: 18.5 °C

Adjusted: 18.5 °C Factor 1.2



10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

July 16, 2019

Brent Barron
Permian Basin Environmental Lab, LP
10014 SCR 1213

Midland, TX 79706

Work Order: **HS19070652**

Laboratory Results for: **9G10008**

Dear Brent,

ALS Environmental received 1 sample(s) on Jul 13, 2019 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: JUMOKE.LAWAL
Bernadette A. Fini
Project Manager

Client: Permian Basin Environmental Lab, LP
Project: 9G10008
Work Order: HS19070652

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS19070652-01	9G10008-1	Water		09-Jul-2019 12:05	13-Jul-2019 08:40	☐

Client: Permian Basin Environmental Lab, LP
Project: 9G10008
Work Order: HS19070652

CASE NARRATIVE

GCMS Semivolatiles by Method SW8270

Batch ID: 143015

Sample ID: LCSD-143015

- The RPD between the LCS and LCSD was outside of the control limit.
-

Client: Permian Basin Environmental Lab, LP
 Project: 9G10008
 Sample ID: 9G10008-1
 Collection Date: 09-Jul-2019 12:05

ANALYTICAL REPORT

WorkOrder:HS19070652
 Lab ID:HS19070652-01
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL PAHS - 8270D		Method:SW8270		Prep:SW3511 / 15-Jul-2019		Analyst: LG
1-Methylnaphthalene	ND	n	0.100	ug/L	1	16-Jul-2019 12:53
2-Methylnaphthalene	ND		0.100	ug/L	1	16-Jul-2019 12:53
Acenaphthene	ND		0.100	ug/L	1	16-Jul-2019 12:53
Acenaphthylene	ND		0.100	ug/L	1	16-Jul-2019 12:53
Anthracene	ND		0.100	ug/L	1	16-Jul-2019 12:53
Benz(a)anthracene	ND		0.100	ug/L	1	16-Jul-2019 12:53
Benzo(a)pyrene	ND		0.100	ug/L	1	16-Jul-2019 12:53
Benzo(b)fluoranthene	ND		0.100	ug/L	1	16-Jul-2019 12:53
Benzo(g,h,i)perylene	ND		0.100	ug/L	1	16-Jul-2019 12:53
Benzo(k)fluoranthene	ND		0.100	ug/L	1	16-Jul-2019 12:53
Chrysene	ND		0.100	ug/L	1	16-Jul-2019 12:53
Dibenz(a,h)anthracene	ND		0.100	ug/L	1	16-Jul-2019 12:53
Dibenzofuran	ND		0.100	ug/L	1	16-Jul-2019 12:53
Fluoranthene	ND		0.100	ug/L	1	16-Jul-2019 12:53
Fluorene	ND		0.100	ug/L	1	16-Jul-2019 12:53
Indeno(1,2,3-cd)pyrene	ND		0.100	ug/L	1	16-Jul-2019 12:53
Naphthalene	ND		0.100	ug/L	1	16-Jul-2019 12:53
Phenanthrene	ND		0.100	ug/L	1	16-Jul-2019 12:53
Pyrene	ND		0.100	ug/L	1	16-Jul-2019 12:53
Surr: 2-Fluorobiphenyl	100.0		32-130	%REC	1	16-Jul-2019 12:53
Surr: 4-Terphenyl-d14	115		40-135	%REC	1	16-Jul-2019 12:53
Surr: Nitrobenzene-d5	112		45-142	%REC	1	16-Jul-2019 12:53

Note: See Qualifiers Page for a list of qualifiers and their explanation.

WEIGHT LOG

Client: Permian Basin Environmental Lab, LP
Project: 9G10008
WorkOrder: HS19070652

Batch ID: 143015 **Method:** LOW-LEVEL PAHS - 8270D **Prep:** 3511_PAH

SampleID	Container	Sample Wt/Vol	Final Volume	Prep Factor
HS19070652-01	1	32.91	2 (mL)	0.06077

Client: Permian Basin Environmental Lab, LP
Project: 9G10008
WorkOrder: HS19070652

DATES REPORT

Sample ID	Client Samp ID	Collection Date	TCLP Date	Prep Date	Analysis Date	DF
Batch ID: 143015 (0)		Test Name : LOW-LEVEL PAHS - 8270D			Matrix: Water	
HS19070652-01	9G10008-1	09 Jul 2019 12:05		15 Jul 2019 11:17	16 Jul 2019 12:53	1

Client: Permian Basin Environmental Lab, LP
Project: 9G10008
WorkOrder: HS19070652

QC BATCH REPORT

Batch ID: 143015 (0)		Instrument: SV-6		Method: LOW-LEVEL PAHS - 8270D						
MBLK	Sample ID: MBLK-143015	Units: ug/L		Analysis Date: 16-Jul-2019 10:27						
Client ID:	Run ID: SV-6_342498	SeqNo: 5168242		PrepDate: 15-Jul-2019		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	ND	0.100								
2-Methylnaphthalene	ND	0.100								
Acenaphthene	ND	0.100								
Acenaphthylene	ND	0.100								
Anthracene	ND	0.100								
Benz(a)anthracene	ND	0.100								
Benzo(a)pyrene	ND	0.100								
Benzo(b)fluoranthene	ND	0.100								
Benzo(g,h,i)perylene	ND	0.100								
Benzo(k)fluoranthene	ND	0.100								
Chrysene	ND	0.100								
Dibenz(a,h)anthracene	ND	0.100								
Dibenzofuran	ND	0.100								
Fluoranthene	ND	0.100								
Fluorene	ND	0.100								
Indeno(1,2,3-cd)pyrene	ND	0.100								
Naphthalene	ND	0.100								
Phenanthrene	ND	0.100								
Pyrene	ND	0.100								
Surr: 2-Fluorobiphenyl	2.716	0.100	3.03	0	89.6	32 - 130				
Surr: 4-Terphenyl-d14	3.72	0.100	3.03	0	123	40 - 135				
Surr: Nitrobenzene-d5	3.556	0.100	3.03	0	117	45 - 142				

Client: Permian Basin Environmental Lab, LP
Project: 9G10008
WorkOrder: HS19070652

QC BATCH REPORT

Batch ID: 143015 (0)		Instrument: SV-6		Method: LOW-LEVEL PAHS - 8270D					
LCS		Sample ID: LCS-143015		Units: ug/L		Analysis Date: 16-Jul-2019 10:52			
Client ID:		Run ID: SV-6_342498		SeqNo: 5168243		PrepDate: 15-Jul-2019		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
1-Methylnaphthalene	3.658	0.100	3.03	0	121	40 - 140			
2-Methylnaphthalene	3.662	0.100	3.03	0	121	40 - 140			
Acenaphthene	3.484	0.100	3.03	0	115	40 - 140			
Acenaphthylene	3.291	0.100	3.03	0	109	40 - 140			
Anthracene	3.364	0.100	3.03	0	111	40 - 140			
Benz(a)anthracene	3.654	0.100	3.03	0	121	40 - 140			
Benzo(a)pyrene	3.397	0.100	3.03	0	112	40 - 140			
Benzo(b)fluoranthene	3.33	0.100	3.03	0	110	40 - 140			
Benzo(g,h,i)perylene	3.503	0.100	3.03	0	116	40 - 140			
Benzo(k)fluoranthene	3.447	0.100	3.03	0	114	40 - 140			
Chrysene	3.641	0.100	3.03	0	120	40 - 140			
Dibenz(a,h)anthracene	3.601	0.100	3.03	0	119	40 - 140			
Dibenzofuran	3.721	0.100	3.03	0	123	40 - 140			
Fluoranthene	2.659	0.100	3.03	0	87.7	40 - 140			
Fluorene	3.588	0.100	3.03	0	118	40 - 140			
Indeno(1,2,3-cd)pyrene	2.955	0.100	3.03	0	97.5	40 - 140			
Naphthalene	3.284	0.100	3.03	0	108	40 - 140			
Phenanthrene	3.474	0.100	3.03	0	115	40 - 140			
Pyrene	3.3	0.100	3.03	0	109	40 - 140			
Surr: 2-Fluorobiphenyl	2.704	0.100	3.03	0	89.2	32 - 130			
Surr: 4-Terphenyl-d14	3.577	0.100	3.03	0	118	40 - 135			
Surr: Nitrobenzene-d5	3.027	0.100	3.03	0	99.9	45 - 142			

Client: Permian Basin Environmental Lab, LP
Project: 9G10008
WorkOrder: HS19070652

QC BATCH REPORT

Batch ID: 143015 (0)		Instrument: SV-6		Method: LOW-LEVEL PAHS - 8270D						
LCSD		Sample ID: LCSD-143015		Units: ug/L		Analysis Date: 16-Jul-2019 11:11				
Client ID:		Run ID: SV-6_342498		SeqNo: 5168318		PrepDate: 15-Jul-2019		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	3.713	0.100	3.03	0	123	40 - 140	3.658	1.5	25	
2-Methylnaphthalene	3.483	0.100	3.03	0	115	40 - 140	3.662	5.01	25	
Acenaphthene	2.93	0.100	3.03	0	96.7	40 - 140	3.484	17.3	25	
Acenaphthylene	2.809	0.100	3.03	0	92.7	40 - 140	3.291	15.8	25	
Anthracene	2.873	0.100	3.03	0	94.8	40 - 140	3.364	15.7	25	
Benz(a)anthracene	3.38	0.100	3.03	0	112	40 - 140	3.654	7.81	25	
Benzo(a)pyrene	3.126	0.100	3.03	0	103	40 - 140	3.397	8.29	25	
Benzo(b)fluoranthene	2.742	0.100	3.03	0	90.5	40 - 140	3.33	19.4	25	
Benzo(g,h,i)perylene	3.206	0.100	3.03	0	106	40 - 140	3.503	8.86	25	
Benzo(k)fluoranthene	3.328	0.100	3.03	0	110	40 - 140	3.447	3.51	25	
Chrysene	3.62	0.100	3.03	0	119	40 - 140	3.641	0.583	25	
Dibenz(a,h)anthracene	3.295	0.100	3.03	0	109	40 - 140	3.601	8.88	25	
Dibenzofuran	3.023	0.100	3.03	0	99.8	40 - 140	3.721	20.7	25	
Fluoranthene	3.701	0.100	3.03	0	122	40 - 140	2.659	32.8	25	R
Fluorene	2.875	0.100	3.03	0	94.9	40 - 140	3.588	22.1	25	
Indeno(1,2,3-cd)pyrene	3.255	0.100	3.03	0	107	40 - 140	2.955	9.65	25	
Naphthalene	2.779	0.100	3.03	0	91.7	40 - 140	3.284	16.6	25	
Phenanthrene	3.058	0.100	3.03	0	101	40 - 140	3.474	12.7	25	
Pyrene	2.989	0.100	3.03	0	98.6	40 - 140	3.3	9.89	25	
Surr: 2-Fluorobiphenyl	2.817	0.100	3.03	0	93.0	32 - 130	2.704	4.11	25	
Surr: 4-Terphenyl-d14	3.596	0.100	3.03	0	119	40 - 135	3.577	0.532	25	
Surr: Nitrobenzene-d5	3.406	0.100	3.03	0	112	45 - 142	3.027	11.8	25	

The following samples were analyzed in this batch: HS19070652-01

Client: Permian Basin Environmental Lab, LP
Project: 9G10008
WorkOrder: HS19070652

**QUALIFIERS,
ACRONYMS, UNITS**

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	19-028-0	27-Mar-2020
California	2919, 2019-2020	30-Apr-2020
Dept of Defense	ANAB L2231	20-Dec-2021
Kansas	E-10352 2018-2019	31-Jul-2019
Kentucky	123043, 2019-2020	30-Apr-2020
Louisiana	03087, 2019-2020	30-Jun-2020
Maryland	343, 2019-2020	30-Jun-2020
North Carolina	624-2019	31-Dec-2019
Oklahoma	2018-156	31-Aug-2019
Texas	TX104704231-19-23	30-Apr-2020

Sample Receipt Checklist

Client Name: Permian Basin Lab
 Work Order: HS19070652

Date/Time Received: **13-Jul-2019 08:40**
 Received by: **PMG**

Checklist completed by: Paresh M. Giga 13-Jul-2019
 eSignature Date

Reviewed by: Bernadette A. Fini 15-Jul-2019
 eSignature Date

Matrices: **Water**

Carrier name: **FedEx**

Shipping container/cooler in good condition?
 Custody seals intact on shipping container/cooler?
 Custody seals intact on sample bottles?
 VOA/TX1005/TX1006 Solids in hermetically sealed vials?
 Chain of custody present?
 Chain of custody signed when relinquished and received?
 Samplers name present on COC?
 Chain of custody agrees with sample labels?
 Samples in proper container/bottle?
 Sample containers intact?
 Sufficient sample volume for indicated test?
 All samples received within holding time?
 Container/Temp Blank temperature in compliance?
 Temperature(s)/Thermometer(s):
 Cooler(s)/Kit(s):
 Date/Time sample(s) sent to storage:
 Water - VOA vials have zero headspace?
 Water - pH acceptable upon receipt?
 pH adjusted?
 pH adjusted by:

Yes ☒	No ☐	Not Present ☐
Yes ☐	No ☐	Not Present ☒
Yes ☐	No ☐	Not Present ☒
Yes ☐	No ☐	Not Present ☒
Yes ☒	No ☐	1 Page(s)
Yes ☒	No ☐	COC IDs:V2
Yes ☐	No ☒	
Yes ☒	No ☐	
Yes ☒	No ☐	
Yes ☒	No ☐	
Yes ☒	No ☐	
Yes ☒	No ☐	

1.6c U/c	IR25
Red	
7/13/19 10:35	

Yes ☒	No ☐	No VOA vials submitted ☐
Yes ☐	No ☐	N/A ☒
Yes ☐	No ☐	N/A ☒

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

Corrective Action:



CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701Phone: 432-686-7235
PBELAB_SUB_COC_V2

Project Manager: Brent Barron

Project Name: SUBCONTRACT

Company Name: PBEL

Project #:

Company Address: 1400 Rankin HWY

Project Loc:

City/State/Zip: Midland Texas 79701

PO #:

Telephone No: 432-661-4184

Fax No:

Report Format: ☒ Standard

TRRP

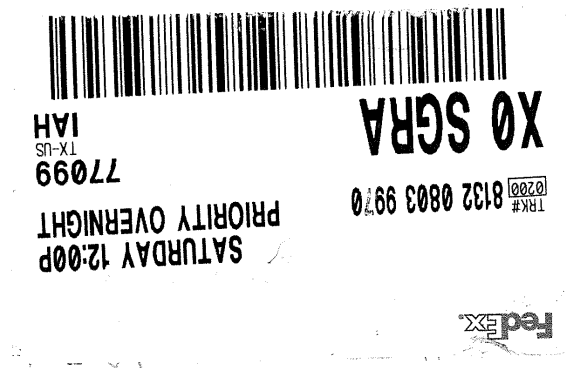


NPDES

Sampler Signature: N/A

e-mail: brentbarron@pbelab.com

(lab use only)		Analyze For:																												
LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Ice	HNO ₃ 250 poly 1	HCl 2x 40mL VOA	H ₂ SO ₄ 1 Amp 500 250 poly	NaOH /ZINAC 250 Poly 1	Na ₂ SO ₃	None Poly 500mL 250mL	Glass Amber 1000 500 mL	NaOH/ZnAc	DW-Drinking Water SL-Sludge	GW - Groundwater S-Soil/Solid	NP-Non-Potable Specify Other	RCI	TCLP BENZENE 8260	TCLP Metals	Ignitability	TOTAL 8 RCRA Metals	8260B Complete List	8270C Semivolatile	TOTAL Cations	8270C PAH LL	1 DAY RUSH	Standard TAT 4 DAY
	9G10008-1			7/9/2019	12:05		3	X										Water										X		
Special Instructions:		Laboratory Comments:																												
Relinquished by:	Date	Time	Date	Time	Date	Time																								
Brent Barron	7/12/19	16:00																												
Relinquished by:	Date	Time	Received by:	Date	Time																									
				7/13/19	08:40																									
Relinquished by:	Date	Time	Received by:	Date	Time																									



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

DISTRICT I
P.O. BOX 1980, HOBBS, NM 88241-1980

State of New Mexico
Energy, Minerals and Natural Resources Department

SUBMIT 2 COPIES TO
APPROPRIATE DISTRICT
OFFICE IN ACCORDANCE
WITH RULE 116 PRINTED
ON BACK SIDE OF FORM

DISTRICT II
P.O. DRAWER DD, ARTESIA, NM 88211-
0719

OIL CONSERVATION DIVISION

DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Initial Report

NOTIFICATION OF FIRE, BREAKS, SPILLS, LEAKS, AND BLOWOUTS

OPERATOR Texas-New Mexico Pipe Line Company			ADDRESS P. O. Box 60028, San Angelo, TX 76906			TELEPHONE (915) 947-9000	
REPORT OF	FIRE	BREAK	SPILL	LEAK X	BLOWOUT	OTHER*	
TYPE OF FACILITY	DRLG WELL	PROD WELL	TANK BTRY	PIPE LINE X	GASO PLANT	OIL RFY	OTHER*
FACILITY NAME: 4" gathering line							
LOCATION OF FACILITY Qtr/Qtr Sec. or Footage. SW/4 SW/4 SE/4 SE/4			SEC. 18	TWP. 11S	RGE. 16S	COUNTY Lea	
DISTANCE AND DIRECTION FROM NEAREST TOWN OR PROMINENT LANDMARK 2 miles west of Lovington							
DATE AND HOUR OF OCCURRENCE Unknown			DATE AND HOUR OF DISCOVERY April 16, 1997 4:00 p.m.				
WAS IMMEDIATE NOTICE GIVEN?	YES	NO	NOT REQUIRED X	IF YES, TO WHOM Wayne Price			
BY WHOM B. D. Chapman (reported that quantity may be more than 10 barrels)			DATE AND HOUR April 25, 1997 9:00 a.m.				
TYPE OF FLUID LOST Sweet Crude		QUANTITY OF LOSS Unknown (*see note below)		VOLUME RECOVERED None			
DID ANY FLUIDS REACH A WATERCOURSE?	YES	NO X	QUANTITY				
IF YES, DESCRIBE FULLY**							
DESCRIBE CAUSE OF PROBLEM AND REMEDIAL ACTION TAKEN** External Corrosion. Leak successfully clamped off.							
DESCRIBE AREA AFFECTED AND CLEANUP ACTION TAKEN** Approximately 1500 sq.ft. pasture land. Will remediate on site. *Originally estimated at 10 barrels. Under investigation. An amended report will be issued when quantity is determined.							
DESCRIPTION OF AREA	FARMING	GRAZING X	URBAN	OTHER*			
SURFACE CONDITION	SANDY	SANDY LOAM	CLAY	ROCKY X	WET	DRY X	SNOW
RECORD GENERAL CONDITIONS PREVAILING (TEMPERATURE, PRECIPITATION, ETC.)** 75 degrees; clear							
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF							
SIGNED 		PRINTED NAME AND TITLE Edwin H. Gripp, District Manager			DATE April 25, 1997		

*SPECIFY

State Corp. Commission
Pipe Line Division

**ATTACH ADDITIONAL SHEETS IF NECESSARY

Hazardous Waste Section
NM Environmental Improvement Div.

TNM-97-04

BDC