



REVIEWED

By Mike Buchanan at 3:07 pm, May 16, 2023

2022

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

Incident # nAPP2109542446

Groundwater monitoring report
reviewed for Plains Marketing,
L.P. TNM 97-04: **Content
Satisfactory**

1. Enhanced recovery system to resume operation during the 2023 calendar year with shut-downs only occurring for routine maintenance and/or repairs.
2. PSH recovery, quarterly groundwater monitoring and recovery system sampling to continue through 2023.
3. Annual Monitoring Report to be submitted to OCD no later than April 1, 2024.
4. PAH to be sampled as necessary.
5. Low-flow sampling for MNA parameters to continue for monitor wells MW-10, MW-9, MW-5, MW-6, MW-15 and MW-14 each quarter of the year.

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April 2023


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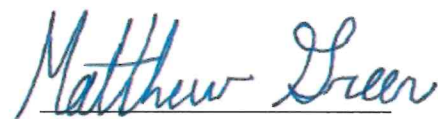

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INTRODUCTION

On behalf of Plains Marketing, L.P. (Plains), TRC Environmental Corporation (TRC) is pleased to submit this 2022 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 2022. However, historical data tables as well as 2022 laboratory analytical reports are provided in this report. A Site Location Map is provided as Figure 1.

Groundwater monitoring was conducted during each quarter of 2022 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, with the exception of wells selected as part of the monitored natural attenuation (MNA) sampling activities.

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 B.

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 commenced operation 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. The infiltration gallery was not utilized while extensive repair and maintenance activities were in progress.

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 well with a combined pumping rate of approximately twelve (12) to eighteen (18) 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 the volatilization of the hydrocarbons. Groundwater is transferred through a three (3) 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 through MW-6 and MW-9) and the four (4) recovery wells (RW-1 through RW-4) during all (4) quarters of the reporting period. The average thickness of PSH in monitor wells and recovery wells exhibiting PSH was 2.27 feet. The maximum thickness of PSH in monitor wells and recovery wells was 4.20 feet as recorded in monitor well MW-5 on November 2, 2022. PSH data for the 2022 gauging events can be found in Table 1. Approximately 179.69 gallons (approximately 4.28 barrels) of PSH was recovered from the Site during the 2022 reporting period. Due to maintenance issues during the 2022 reporting period, approximately 2,402 barrels of groundwater was removed from the separation frac tank and disposed of at an NMOCD approved disposal. A total of approximately 10,452.72 gallons (approximately 248.87 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	Annually	RW-4	Quarterly
MW-3	Quarterly	MW-10	Annually	MW-17	P&A		
MW-4	Quarterly	MW-11	Annually	MW-18	Quarterly		
MW-5	Quarterly	MW-12	Annually	RW-1	Quarterly		
MW-6	Quarterly	MW-13	Quarterly	RW-2	Quarterly		
MW-7	Annually	MW-14	Quarterly	RW-3	Quarterly		

The Site monitor wells were gauged and sampled on February 17 and March 9, May 16-18, August 8-9, and November 14-16, 2022. 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 polyethylene 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.

Please note, during the reporting period, monitor wells MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14 were sampled using industry standard low-flow sampling techniques. A water quality meter was utilized to monitor the flow of groundwater for pH, temperature (°C), conductivity, Oxygen Reduction Potential (ORP), Dissolved Oxygen (DO), and Turbidity. The above parameters were monitored until three (3) of the six (6) parameters stabilized to within a ten percent (10%) “window”, at which time groundwater samples were collected. The six (6) monitor wells (MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14) were sampled for concentrations of benzene, toluene, ethylbenzene, and xylene (BTEX) using Method EPA 8021B, Total Organic Carbon (TOC) using Method EPA 415.1, Dissolved Methane Gas using RSK-175, Dissolved Ethane Gas using RSK-175, Dissolved Ethene Gas using RSK-175, Dissolved Iron (filtered) using Method EPA 6010B, Dissolved Manganese (filtered) using Method EPA 6010B, Anion Nitrate and Sulfate by Method EPA 300.0, and Chemical Oxygen Demand (COD) by 8000.

Locations of the monitor wells and the inferred groundwater gradient, which were constructed from measurements collected during each quarterly sampling event of 2022, are depicted on the Inferred Groundwater Gradient Maps, Figures 2A-2D. Groundwater elevation data for 2022 is provided as Table 1. Historical groundwater elevation data beginning at project inception is summarized on Table 7.

The most recent Inferred Groundwater Gradient Map, Figure 2D, indicated a gradient of 0.0027 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 0.0026 to 0.0027 feet/foot in a southeast direction. The corrected groundwater elevations ranged between 3,920.73 and 3,921.68 feet above mean sea level, in monitor well MW-13 on November 16, 2022, and recovery well RW-1 on February 17, 2022, respectively.

LABORATORY RESULTS

Monitor and recovery well quarterly sampling activities.

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 all (4) quarters of the reporting period.

Groundwater samples obtained during all four (4) quarterly sampling events of 2022 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 4th quarter of the 2022 calendar year on selected monitor and recovery wells. Based on historical PAH analytical data, only those wells exhibiting elevated constituent concentrations above New Mexico Water Quality Control Commission (NMWQCC) Drinking Water Standards are sampled, generally with the exclusion of those wells containing measurable PSH thicknesses. The analytical results of 2022 polynuclear aromatic hydrocarbon concentrations in groundwater are summarized in Table 3 and historical polynuclear aromatic hydrocarbon concentrations in groundwater are summarized in Table 9. A listing of 2022 BTEX concentrations in groundwater are summarized in Table 2 and historical BTEX concentrations in groundwater are summarized in Table 8. Copies of the laboratory reports generated for 2022 are provided in Appendix A. The quarterly groundwater sample results for BTEX constituent concentrations are depicted on Figures 3A through 3D.

Monitor well MW-2 is monitored/sampled on a quarterly schedule. Monitor well MW-2 was not sampled during all four (4) quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 3.30 feet, 3.51 feet, 2.15 feet, and 1.80 feet were reported during the 1st, 2nd, 3rd, and 4th quarters of 2022, respectively. During the 4th quarter sampling event, PAH was not collected due to the presence of PSH.

Monitor well MW-3 is monitored/sampled on a quarterly schedule. Monitor well MW-3 was not sampled during all four (4) quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 2.98 feet, 3.37 feet, 3.70 feet, and 2.48 feet were reported during the 1st, 2nd, 3rd, and 4th quarters of 2022, respectively. During the 4th quarter sampling event, PAH was not collected due to the presence of PSH.

Monitor well MW-4 is monitored/sampled on a quarterly schedule. Monitor well MW-4 was not sampled during all four (4) quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 1.18 feet, 1.89 feet, 1.42 feet, and 1.95 feet were reported during the 1st, 2nd, 3rd, and 4th quarters of 2022, respectively. During the 4th quarter sampling event, PAH was not collected due to the presence of PSH.

Monitor well MW-5 is sampled on a quarterly schedule and the analytical results indicated benzene concentrations ranged from 5.93 mg/L during the 4th quarter to 8.63 mg/L during the 2nd quarter of 2022. Benzene concentrations were above the NMOCD regulatory guidelines during all

four (4) quarters of the reporting period. Toluene concentrations ranged from 1.80 mg/L during the 3rd quarter to 3.46 mg/L during the 2nd quarter of 2022. Toluene concentrations were above the NMOCD regulatory guidelines during the four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from 0.712 mg/L during the 3rd quarter to 1.08 during the 2nd quarter of the reporting period. Ethylbenzene concentrations were above the NMOCD regulatory guidelines during the 1st, 2nd, and 4th quarter of the reporting period. Xylene concentrations ranged from 1.357 mg/L during the 3rd quarter to 2.317 mg/L during the 2nd quarter of the reporting period. Xylene concentrations were above the NMOCD regulatory guidelines during all four (4) quarters of the reporting period.

PAH analysis during the 4th quarter sampling event indicated elevated concentrations above NMWQCC Drinking Water Standards for Chrysene (0.00053 mg/L), fluorene (0.0072 mg/L), phenanthrene (0.0064 mg/L), and naphthalene (0.238 mg/L).

Monitor well MW-5 was selected as an MNA parameter well and is located in the “Center of Plume” location. PSH thicknesses were removed prior to the collection of groundwater samples during the reporting period and groundwater samples were obtained using low-flow sampling techniques. The table below list the stabilization levels for the water quality parameters during the reporting period for monitor well MW-5.

Sample Date	Sample Location	pH (SU) ±10%	Temp C ±10%	Conductivity (u-mhos/cm) ±10%	ORP (mV) ±10%	DO mg/L ±10%	Turbidity (NTUs) ±10% or < 5 NTUs
03/08/22	MW-5	6.36	19.14	0.800	-118	0.83	49.7
05/18/22	MW-5	6.30	25.24	0.773	-103	2.55	0.0
08/09/22	MW-5	6.58	21.50	0.854	-79	0.46	22.0
11/15/22	MW-5	7.1	19.10	0.816	-105	0	110

Analytical benzene data for the previous five (5) quarters was entered into the GSI Mann-Kendall Toolkit (GSI-MKT), which indicated the Concentration Trend was unavailable in monitor well MW-5. Analytical toluene data for the previous five (5) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was unavailable in monitor well MW-5. Analytical ethylbenzene data for the previous five (5) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “No Trend” in monitor well MW-5. Analytical xylene data for the previous five (5) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “No Trend” in monitor well MW-5.

Please reference Tables 7 through 10 for benzene, toluene, ethylbenzene, and xylene Constituent Trend Analysis, respectively. Analytical results of MNA constituent samples will be summarized in the Monitored Natural Attenuation Results Summary Section of this Report.

Please note, due to the limitations of the GSI Mann-Kendall Toolkit, constituents exhibiting concentrations less than the applicable laboratory RL are depicted on the GSI Mann-Kendall Toolkit for Constituent Trend Analysis spreadsheet at the laboratory RL.

Monitor well MW-6 is sampled on a quarterly schedule and the analytical results indicated benzene concentrations ranged from 0.207 mg/L during the 4th quarter to 0.316 mg/L during the 2nd quarter of 2022. Benzene concentrations were above the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Toluene concentrations ranged from 0.00128 mg/L during the 1st quarter to 0.00565 mg/L during the 4th quarter of 2022. Toluene concentrations were below the NMOCD regulatory guidelines during the four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from 0.00878 mg/L during the 4th quarter to 0.0242 mg/L during the 3rd quarter of the reporting period. Ethylbenzene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Xylene concentrations ranged from 0.01638 mg/L during the 1st quarter to 0.04975 mg/L during the 3rd quarter of the reporting period. Xylene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period.

PAH analysis during the 4th quarter sampling event indicated elevated concentrations above NMWQCC Drinking Water Standards for chrysene (0.0020 mg/L), fluorene (0.0016 mg/L), and phenanthrene (0.0015 mg/L).

Monitor well MW-6 was selected as an MNA parameter well and is located in the “Downgradient within Plume” location. PSH thicknesses were removed prior to the collection of groundwater samples during the reporting period and groundwater samples were obtained using low-flow sampling techniques. The table below list the stabilization levels for the water quality parameters during the reporting period for monitor well MW-6.

Sample Date	Sample Location	pH (SU) ±10%	Temp C ±10%	Conductivity (u-mhos/cm) ±10%	ORP (mV) ±10%	DO mg/L ±10%	Turbidity (NTUs) ±10% or < 5 NTUs
03/08/22	MW-6	6.43	18.81	0.604	-215	1.17	459
05/18/22	MW-6	6.47	24.59	0.568	-207	8.11	36.3
08/09/22	MW-6	6.37	21.89	0.603	-171	0.60	37.7
11/15/22	MW-6	7.04	18.90	0.658	-196	0	307

Analytical benzene data for up to the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Probably Decreasing” in monitor well MW-6. Analytical toluene data for up to the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “No Trend” in monitor well MW-6. Analytical ethylbenzene data for up to the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Decreasing” in monitor well MW-6. Analytical xylene data for up to the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Decreasing” in monitor well MW-6.

Please note, due to the limitations of the GSI Mann-Kendall Toolkit, constituents exhibiting concentrations less than the applicable laboratory RL are depicted on the GSI Mann-Kendall Toolkit for Constituent Trend Analysis spreadsheet at the laboratory RL.

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 the NMOCD regulatory guideline during the 4th quarter sampling event. The analytical results indicated BTEX constituent concentrations have been below the 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 0.0139 mg/L during the 3rd quarter to 0.0195 mg/L during the 4th quarter of 2022. Benzene concentrations were above the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Toluene concentrations ranged from 0.0302 mg/L during the 1st quarter to 0.0817 mg/L during the 2nd quarter of 2022. Toluene concentrations were below the NMOCD regulatory guidelines during the four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from 0.0738 mg/L during the 1st quarter to 0.218 mg/L during the 2nd quarter of the reporting period. Ethylbenzene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Xylene concentrations ranged from 0.2932 mg/L during the 1st quarter to 0.959 mg/L during the 2nd quarter of the reporting period. Xylene concentrations were above the NMOCD regulatory guidelines during the 2nd and 3rd quarter of the reporting period.

PAH analysis during the 4th quarter sampling event indicated elevated concentrations above NMWQCC Drinking Water Standards for fluorene (0.0030 mg/L), phenanthrene (0.0033 mg/L), and naphthalene (0.103 mg/L).

Monitor well MW-9 was selected as an MNA parameter well and is located in the “Upgradient within Plume” location. PSH thicknesses were removed prior to the collection of groundwater samples during reporting period and groundwater samples were obtained using low-flow sampling techniques. The table below list the stabilization levels for the water quality parameters during the reporting period for monitor well MW-9.

Sample Date	Sample Location	pH (SU) ±10%	Temp C ±10%	Conductivity (u-mhos/cm) ±10%	ORP (mV) ±10%	DO mg/L ±10%	Turbidity (NTUs) ±10% or < 5 NTUs
03/08/22	MW-9	6.45	19.41	0.833	-279	1.25	14.9
05/18/22	MW-9	6.57	25.63	0.710	-37	1.09	49.6
08/09/22	MW-9	6.47	22.33	0.774	-178	0.86	21.1
11/15/22	MW-9	6.71	19.24	0.743	-266	0	48.6

Analytical benzene data for up to the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “No Trend” in monitor well MW-9. Analytical toluene data for up to the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “No Trend” in monitor well MW-9. Analytical ethylbenzene data for up to the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “No Trend” in monitor well MW-9. Analytical xylene data for up to the previous ten

(10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Probably Increasing” in monitor well MW-9.

Please note, due to the limitations of the GSI Mann-Kendall Toolkit, constituents exhibiting concentrations less than the applicable laboratory RL are depicted on the GSI Mann-Kendall Toolkit for Constituent Trend Analysis spreadsheet at the laboratory RL.

Monitor well MW-10 is sampled on an annual schedule however, MW-10 was selected as an MNA parameter well and was sampled all four (4) quarters during the reporting period. Analytical results indicated benzene, toluene, and ethylbenzene concentrations were less than the applicable laboratory RL and the NMOCD regulatory guideline during all four (4) quarters of the reporting period. Xylene concentrations ranged from below the applicable laboratory RL during the 1st, 2nd, and 3rd quarters to 0.00258 mg/L in the 4th quarter of the reporting period. Xylene concentrations were below NMOCD regulatory guideline during all four (4) quarters of the reporting period. PAH analysis was not required in monitor well MW-10 based on historical PAH analytical data.

Monitor well MW-10 was selected as an MNA parameter well and is located in the “Upgradient of Plume” location. Groundwater samples were obtained using low-flow sampling techniques. The table below list the stabilization levels for the water quality parameters during the reporting period for monitor well MW-10.

Sample Date	Sample Location	pH (SU) ±10%	Temp C ±10%	Conductivity (u-mhos/cm) ±10%	ORP (mV) ±10%	DO mg/L ±10%	Turbidity (NTUs) ±10% or < 5 NTUs
03/08/22	MW-10	6.67	18.99	0.770	86	7.62	153
05/18/22	MW-10	6.11	24.98	0.722	215	8.68	145
08/09/22	MW-10	7.10	22.89	0.757	142	7.04	227
11/15/22	MW-10	6.94	20.26	0.723	115	7.4	90.4

Analytical benzene data for up to the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Stable” in monitor well MW-10. Analytical toluene data for up to the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “No Trend” in monitor well MW-10. Analytical ethylbenzene data for up to the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Stable” in monitor well MW-10. Analytical xylene data for up to the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “No Trend” in monitor well MW-10.

Please note, due to the limitations of the GSI Mann-Kendall Toolkit, constituents exhibiting concentrations less than the applicable laboratory RL are depicted on the GSI Mann-Kendall Toolkit for Constituent Trend Analysis spreadsheet at the laboratory RL.

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 the NMOCD regulatory

guideline during the 4th quarter sampling event. The analytical results indicated BTEX constituent concentrations have been below the 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 the NMOCD regulatory guideline during the 4th quarter sampling event. The analytical results indicated BTEX constituent concentrations have been below the 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 the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. The analytical results indicated BTEX constituent concentrations have been below the 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 BTEX constituent concentrations were less than the applicable laboratory RL and NMOCD regulatory guidelines during all four (4) quarters of the reporting period. PAH analysis was not required in monitor well MW-14 based on historical PAH analytical data.

Monitor well MW-14 was selected as an MNA parameter well and is located in the “Cross gradient of Plume” location. Groundwater samples collected during the reporting period were obtained using low-flow sampling techniques. The table below list the stabilization levels for the water quality parameters during the reporting period for monitor well MW-14.

Sample Date	Sample Location	pH (SU) ±10%	Temp C ±10%	Conductivity (u-mhos/cm) ±10%	ORP (mV) ±10%	DO mg/L ±10%	Turbidity (NTUs) ±10% or < 5 NTUs
03/08/22	MW-14	6.37	19.92	0.700	20	2.49	28.4
05/18/22	MW-14	6.26	24.09	0.682	85	1.44	17.7
08/09/22	MW-14	6.53	22.09	0.729	29	1.42	35.4
11/15/22	MW-14	7.20	19.27	0.676	5	0	457

Analytical benzene data for up to the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Stable” in monitor well MW-14. Analytical toluene data for up to the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “No Trend” in monitor well MW-14. Analytical ethylbenzene data for up to the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Decreasing” in monitor well MW-14. Analytical xylene data for up to the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Decreasing” in monitor well MW-14.

Please note, due to the limitations of the GSI Mann-Kendall Toolkit, constituents exhibiting concentrations less than the applicable laboratory RL are depicted on the GSI Mann-Kendall Toolkit for Constituent Trend Analysis spreadsheet at the laboratory RL.

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 the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. The analytical results indicated BTEX constituent concentrations have been below the 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-15 was selected as an MNA parameter well and is located in the “Downgradient of Plume” location. Groundwater samples were obtained using low-flow sampling techniques. The table below list the stabilization levels for the water quality parameters during the reporting period for monitor well MW-15.

Sample Date	Sample Location	pH (SU) ±10%	Temp C ±10%	Conductivity (u-mhos/cm) ±10%	ORP (mV) ±10%	DO mg/L ±10%	Turbidity (NTUs) ±10% or < 5 NTUs
03/08/22	MW-15	6.59	19.89	0.627	79	5.01	187.0
05/18/22	MW-15	6.33	22.98	0.625	167	4.81	1.7
08/09/22	MW-15	6.11	21.32	0.663	127	5.69	34.1
11/15/22	MW-15	7.34	18.4	0.595	87	5.01	440

Analytical benzene data for up to the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Decreasing” in monitor well MW-15. Analytical toluene data for up to the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “No Trend” in monitor well MW-15. Analytical ethylbenzene data for up to the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Decreasing” in monitor well MW-15. Analytical xylene data for up to the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Probably Increasing” in monitor well MW-15.

Please note, due to the limitations of the GSI Mann-Kendall Toolkit, constituents exhibiting concentrations less than the applicable laboratory RL are depicted on the GSI Mann-Kendall Toolkit for Constituent Trend Analysis spreadsheet at the laboratory RL.

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 the NMOCD regulatory guideline 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 the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. The analytical results indicated BTEX constituent concentrations have been below the 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 all four (4) quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 3.41 feet, 3.67 feet, 3.95 feet, and 3.02 feet were reported during the 1st, 2nd, 3rd, and 4th quarters of 2022, respectively. During the 4th quarter sampling event, PAH was not collected due to the presence of PSH.

Recovery well RW-2 is monitored on a quarterly schedule. Recovery well RW-2 was not sampled during all four (4) quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 0.76 feet, 1.41 feet, 1.92 feet, and 1.83 feet were reported during the 1st, 2nd, 3rd, and 4th quarters of 2022, respectively. During the 4th quarter sampling event, PAH was not collected due to the presence of PSH.

Recovery well RW-3 is monitored on a quarterly schedule. Recovery well RW-3 was not sampled during all four (4) quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 2.86 feet, 3.42 feet, 1.74 feet, and 2.21 feet were reported during the 1st, 2nd, 3rd, and 4th quarters of 2022, respectively. During the 4th quarter sampling event, PAH was not collected due to the presence of PSH.

Recovery well RW-4 is monitored on a quarterly schedule. Recovery well RW-4 was not sampled during all four (4) quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 3.46 feet, 3.73 feet, 2.80 feet, and 3.02 feet were reported during the 1st, 2nd, 3rd, and 4th quarters of 2022, respectively. During the 4th quarter sampling event, the PSH in the monitor well was pumped down and BTEX and PAH samples were collected and submitted to the laboratory for analysis. During the 4th quarter sampling event, PAH was not collected due to the presence of PSH.

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

Effluent water sampling activities

Throughout much of the 2022 reporting period, the enhanced recovery system underwent extensive repair and modifications. The separation frac tank was fitted with an array of air diffusers to enhance the volatilization of BTEX constituents, a belt extractor was installed on the top of the frac tank to assist in the recovery of PSH from the surface of the frac tank. The recovered PSH was gravity feed into a 350-gallon saddle tank, fitted with high level switch to prevent overflow of the saddle tank. The saddle tank was placed on stands within the frac tank containment to prevent releases. The frac tank displace was fitted with a motorized ball valve to prevent the contents of the frac tank from gravity feeding through the enhanced recovery system and

potentially resulted in a release. The aeration tank was fitted with upgraded diffusers to provide additional volatilization of BTEX constituents. As detailed below, the steel water filter baskets were replaced with a polymer container and filter media. These design modifications were designed to meet the required NMWQCC Drinking Water Standards.

As requested by the NMOCD in December 2019, “post carbon” water samples were collected and analyzed for concentrations of NMWQCC metals on a monthly schedule to ensure metal concentrations did not exceed the NMWQCC Drinking Water Standards.

During the 2022 reporting period, one (1) “post-carbon” monthly effluent water sample (November 11, 2022) was collected and submitted to the laboratory for analysis of NMWQCC metals. The analytical results indicated all concentrations of NMWQCC metals were less than the NMWQCC Drinking water standards, with the exception of the iron concentration. The analytical indicated the iron concentration was 1.55 mg/L. Based on the iron exceedance the enhanced recovery system was taken out of service and the source of iron within the system was investigated. The investigation appears to suggest the source of the iron exceedance may be the steel entry covers on top of the water filter baskets located upstream of the carbon canisters. The filter baskets have been replaced with a polymer container and filter media. Please reference Table 4 for the 2022 NMWQCC Metals Concentrations in Effluent Groundwater and Table 10 for the historical NMWQCC Metals Concentrations in Effluent Groundwater.

On November 11, 2022, Effluent water (post-carbon) samples were collected and 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.

The analytical results of “post carbon” effluent water analysis indicated the concentrations of BTEX constituents were less than the applicable laboratory RL and NMWQCC Drinking Water Standards. On receipt and evaluation of all the analytical results, the enhanced recovery system was taken out of service for maintenance and no additional monthly water samples were collected while repairs to the system were in progress.

Please note, during maintenance activities, all groundwater recovered from the Site was stored in the on-site frac tank and was periodically transported to an NMOCD approved disposal. During the maintenance activities no water has been discharged to the on-site infiltration gallery wells.

Please note, the sparging system remained operational following the system shut down to maintain downgradient control of the PSH plume. Please reference Table 5 for a summary of 2022 BTEX concentrations in effluent groundwater and Table 11 for a summary of historical BTEX concentrations in effluent groundwater.

The analytical results indicated all PAH constituent concentrations were less than the applicable laboratory RL and NMWQCC Drinking Water Standards. Please reference Table 6 for a summary of 2022 polynuclear aromatic hydrocarbon concentrations in effluent groundwater and Table 12 for a summary of polynuclear aromatic hydrocarbon concentrations in effluent groundwater.

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

MONITORED NATURAL ATTENUATION RESULTS SUMMARY

Historically, the New Mexico Administrative Code (NMAC) 20.5.13 has defined Monitored Natural Attenuation as “a methodology for remediation that relies upon a variety of naturally occurring chemical, physical, and biological processes to achieve target concentrations in a manner that is equally as protective of public health, safety, and welfare, and the environment as other methods and is accompanied by a program of monitoring to document the process and results of the above mentioned processes.”

Following a release, bacteria and archaea begin to degrade petroleum plumes by oxidizing hydrocarbons. In order for this biodegradation to occur, reducers such as oxygen, nitrate, manganese²⁺, iron³⁺, sulfate, and carbon dioxide must be present. These reactions, termed oxidation-reduction, or “REDOX” reactions, provide bacteria and archaea varying amounts of energy.

The microbial population will utilize the most energetically favorable reaction available and subsequently move to less favorable reactions as electron acceptors are consumed. This process is generally termed the “REDOX Ladder”, which is depicted in the figure below.

Common Hydrocarbon REDOX Reactions in Groundwater		
Reaction	Process	Energy
Aerobic Oxidation	$\text{CH}_2\text{O} + \text{O}_2 \rightarrow \text{CO}_2 + \text{H}_2\text{O}$	-120 Kcal/mol
Denitrification	$5\text{CH}_2\text{O} + 3\text{NO}_3 + 4\text{H}^+ \rightarrow \text{CO}_2 + 7\text{H}_2\text{O} + 2\text{N}_2$	-114 Kcal/mol
Manganese Reduction	$\text{CH}_2\text{O} + 2\text{MnO}_2 + 4\text{H}^+ \rightarrow \text{CO}_2 + 3\text{H}_2\text{O} + 2\text{Mn}^{2+}$	-81 Kcal/mol
Iron Reduction	$\text{CH}_2\text{O} + 4\text{Fe}(\text{OH})_3 + 8\text{H}^+ \rightarrow \text{CO}_2 + 11\text{H}_2\text{O} + 4\text{Fe}^{2+}$	-28 Kcal/mol
Sulfate Reduction	$2\text{CH}_2\text{O} + \text{SO}_4^{2-} + \text{H}^+ \rightarrow 2\text{CO}_2 + 2\text{H}_2\text{O} + \text{HS}^-$	-25 Kcal/mol
Methanogenesis	$2\text{CH}_2\text{O} \rightarrow \text{CH}_3\text{COOH} \rightarrow \text{CH}_4 + \text{CO}_2$	-22 Kcal/mol

The most energetically favorable electron acceptors tend to get consumed first and plumes tend to be limited in them toward the plume center while having excess of the other electron acceptors toward the periphery. For this reason, the groundwater geochemistry of hydrocarbon plumes tends to be characterized by concentric three-dimensional regions each dominated by one of the reactions listed above. The largest source of electron donors is typically light non-aqueous phase liquids

(LNAPLs); therefore, the center of the concentric regions tends to be at the location of LNAPL. Please note, LNAPL and PSH are used interchangeably in this report.

The lateral and vertical location as well as the morphology of each region can be determined using the concentration of the electron acceptors, electron donors, and the field-measured parameters such as oxidation-reduction potential (ORP), pH, and dissolved oxygen (DO).

Dissolved-phase hydrocarbon plumes begin to spread out within the subsurface along the direction of groundwater flow (controlled by advection), perpendicular to groundwater flow (controlled by diffusion), and vertically (controlled by infiltration and advection) following the release. LNAPL, when present, tends to be smeared within the soil vertically and along the direction of groundwater flow, however due to higher viscosity, will travel more slowly than groundwater. For these reasons, the plume shape, COC concentrations, and biogeochemistry change with time.

To determine the morphology of each biodegradation region, six (6) monitor/recovery wells were sampled. These wells generally included one (1) well upgradient of the plume (MW-10), one (1) well upgradient within the plume (MW-9), one (1) well near the center of the plume (MW-5), one (1) well downgradient within the plume (MW-6), one (1) well downgradient of the plume (MW-15), and one (1) well cross-gradient of the plume center (MW-14).

The six (6) monitor/recovery wells (MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14) were sampled for concentrations of BTEX using Method EPA 8021B, Total Organic Carbon (TOC) using Method EPA 415.1, Dissolved Methane Gas using RSK-175, Dissolved Ethane Gas using RSK-175, Dissolved Ethene Gas using RSK-175, Dissolved Iron (filtered) using Method EPA 6010B, Dissolved Manganese (filtered) using Method EPA 6010B, Anion Nitrate and Sulfate by Method EPA 300.0, and Chemical Oxygen Demand (COD) by 8000.

Please note, due to the limitations of the GSI Mann-Kendall Toolkit, constituents exhibiting concentrations less than the applicable laboratory RL are depicted on the GSI Mann-Kendall Toolkit for Constituent Trend Analysis spreadsheet at the laboratory RL.

For the 1st quarter the analytical results for concentrations of benzene ranged from less than the applicable laboratory RL for monitor wells MW-10, MW-15, and MW-14 to 6.80 mg/L for monitor well MW-5.

For the 2nd quarter the analytical results for concentrations of benzene ranged from less than the applicable laboratory RL for monitor wells MW-10, MW-15, and MW-14 to 8.63 mg/L for monitor well MW-5.

For the 3rd quarter the analytical results for concentrations of benzene ranged from less than the applicable laboratory RL for monitor wells MW-10, MW-15, and MW-14 to 6.91 mg/L for monitor well MW-5.

For the 4th quarter the analytical results for concentrations of benzene ranged from less than the applicable laboratory RL for monitor wells MW-10, MW-15, and MW-14 to 5.93 mg/L for monitor well MW-5.

Please reference Table 13 for GSI-MKT benzene results. Analytical benzene data for up to the previous ten (10) years was entered into the GSI Mann-Kendall Toolkit (GSI-MKT) for monitor wells MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14. The GSI-MKT indicated the Concentration Trends for MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14 were as follows “Stable”, “No Trend”, “unavailable”, “Probably Decreasing”, “Decreasing”, and “Stable”.

For the 1st quarter the analytical results for concentrations of toluene ranged from less than the applicable laboratory RL for monitor wells MW-10, MW-15, and MW-14 to 1.96 mg/L for monitor well MW-5.

For the 2nd quarter the analytical results for concentrations of toluene ranged from less than the applicable laboratory RL for monitor wells MW-10, MW-15, and MW-14 to 3.46 mg/L for monitor well MW-5.

For the 3rd quarter the analytical results for concentrations of toluene ranged from less than the applicable laboratory RL for monitor wells MW-10, MW-15, and MW-14 to 1.80 mg/L for monitor well MW-5.

For the 4th quarter the analytical results for concentrations of toluene ranged from less than the applicable laboratory RL for monitor wells MW-10, MW-15, and MW-14 to 2.50 mg/L for monitor well MW-5.

Please reference Table 14 for GSI-MKT toluene results. Analytical toluene data for up to the previous ten (10) years was entered into the GSI Mann-Kendall Toolkit (GSI-MKT) for monitor wells MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14. The GSI-MKT indicated the Concentration Trends for MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14 were as follows “No Trend”, “No Trend”, “unavailable”, “No Trend”, “No Trend”, and “No Trend”.

For the 1st quarter the analytical results for concentrations of ethylbenzene ranged from less than the applicable laboratory RL for monitor wells MW-10, MW-15, and MW-14 to 0.847 mg/L for monitor well MW-5.

For the 2nd quarter the analytical results for concentrations of ethylbenzene ranged from less than the applicable laboratory RL for monitor wells MW-10, MW-15, and MW-14 to 1.08 mg/L for monitor well MW-5.

For the 3rd quarter the analytical results for concentrations of ethylbenzene ranged from less than the applicable laboratory RL for monitor wells MW-10, MW-15, and MW-14 to 0.712 mg/L for monitor well MW-5.

For the 4th quarter the analytical results for concentrations of ethylbenzene ranged from less than the applicable laboratory RL for monitor wells MW-10, MW-15, and MW-14 to 0.823 mg/L for monitor well MW-5.

Please reference Table 15 for GSI-MKT ethylbenzene results. Analytical ethylbenzene data for up to the previous ten (10) years was entered into the GSI Mann-Kendall Toolkit (GSI-MKT) for

monitor wells MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14. The GSI-MKT indicated the Concentration Trends for MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14 were as follows “Stable”, “No Trend”, “No Trend”, “Decreasing”, “Decreasing”, and “Decreasing”.

For the 1st quarter the analytical results for concentrations of xylene ranged from less than the applicable laboratory RL for monitor wells MW-10, MW-15, and MW-14 to 1.529 mg/L for monitor well MW-5.

For the 2nd quarter the analytical results for concentrations of xylene ranged from less than the applicable laboratory RL for monitor wells MW-10, MW-15, and MW-14 to 2.317 mg/L for monitor well MW-5.

For the 3rd quarter the analytical results for concentrations of xylene ranged from less than the applicable laboratory RL for monitor wells MW-10, MW-15, and MW-14 to 1.357 mg/L for monitor well MW-5.

For the 4th quarter the analytical results for concentrations of xylene ranged from less than the applicable laboratory RL for monitor wells MW-15 and MW-14 to 1.543 mg/L for monitor well MW-5.

Please reference Table 16 for GSI-MKT xylene results. Analytical xylene data for up to the previous ten (10) years was entered into the GSI Mann-Kendall Toolkit (GSI-MKT) for monitor wells MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14. The GSI-MKT indicated the Concentration Trends for MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14 were as follows “No Trend”, “Probably Increasing”, “No Trend”, “Decreasing”, “Probably Increasing”, and “Decreasing”.

For the 1st quarter the analytical results for concentrations of TOC were less than the applicable laboratory RL for monitor wells MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14. Please note that the laboratory RL was 10.0 mg/L due to a high dilution factor which was caused by high concentrations of a non-target analyte.

For the 2nd quarter the analytical results for concentrations of TOC ranged from 1.78 mg/L for monitor well MW-14, to 5.88 mg/L for monitor well MW-6.

For the 3rd quarter the analytical results for concentrations of TOC ranged from 1.04 mg/L for monitor well MW-14, to 4.83 mg/L for monitor well MW-5.

For the 4th quarter the analytical results for concentrations of TOC ranged from 1.45 mg/L for monitor well MW-14, to 4.54 mg/L for monitor well MW-5.

Please reference Table 17 for GSI-MKT TOC results. Analytical TOC data for the previous five (5) quarters was entered into the GSI Mann-Kendall Toolkit (GSI-MKT) for monitor wells MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14. The GSI-MKT indicated the Concentration Trends for MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14 were as follows “No Trend”, “Stable”, “Stable”, “Stable”, “No Trend”, and “No Trend”.

For the 1st quarter the analytical results for concentrations of Dissolved Methane ranged from 0.00151 mg/L for monitor well MW-10 to 5.05 mg/L for monitor well MW-5.

For the 2nd quarter the analytical results for concentrations of Dissolved Methane ranged from 0.00189 mg/L for monitor well MW-10 to 4.01 mg/L for monitor well MW-5.

For the 3rd quarter the analytical results for concentrations of Dissolved Methane ranged from 0.00255 mg/L for monitor well MW-10 to 1.94 mg/L for monitor well MW-5.

For the 4th quarter the analytical results for concentrations of Dissolved ranged from 0.00147 mg/L for monitor well MW-10 to 5.76 mg/L for monitor well MW-5.

Please reference Table 18 for GSI-MKT Dissolved Methane results. Analytical TOC data for the previous five (5) quarters was entered into the GSI Mann-Kendall Toolkit (GSI-MKT) for monitor wells MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14. The GSI-MKT indicated the Concentration Trends for MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14 were as follows “Stable”, “No Trend”, “Stable”, “Stable”, “No Trend”, and “Stable”.

For the 1st quarter the analytical results for concentrations of Dissolved Ethane ranged from less than the applicable laboratory RL for monitor wells MW-9, MW-5, MW-6, MW-15, and MW-14 to 0.00104 mg/L for monitor well MW-10.

For the 2nd quarter the analytical results for concentrations of Dissolved Ethane were less than the applicable laboratory RL for monitor wells MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14.

For the 3rd quarter the analytical results for concentrations of Dissolved Ethane were less than the applicable laboratory RL for monitor wells MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14.

For the 4th quarter the analytical results for concentrations of Dissolved Ethane ranged from less than the applicable laboratory RL for monitor wells MW-10, MW-9, MW-5, MW-6, and MW-15 to 0.00243 mg/L for monitor well MW-14.

Please reference Table 19 for GSI-MKT Dissolved Ethane results. Analytical Dissolved Ethane data for the previous five (5) quarters was entered into the GSI Mann-Kendall Toolkit (GSI-MKT) for monitor wells MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14. The GSI-MKT indicated the Concentration Trends for MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14 were as follows “Stable”, “Stable”, “Stable”, “Stable”, “Stable”, and “No Trend”.

For the 1st quarter the analytical results for concentrations of Dissolved Ethene ranged from less than the applicable laboratory RL for monitor wells MW-10, MW-9, and MW-5 to 0.00880 mg/L for monitor well MW-6.

For the 2nd quarter the analytical results for concentrations of Dissolved Ethene ranged from less than the applicable laboratory RL for monitor well MW-5 and MW-6 to 0.00288 mg/L for monitor well MW-9.

For the 3rd quarter the analytical results for concentrations of Dissolved Ethene ranged from less than the applicable laboratory RL for monitor well MW-5 to 0.0254 mg/L for monitor well MW-9.

For the 4th quarter the analytical results for concentrations of Dissolved Ethene ranged from less than the applicable laboratory RL for monitor wells MW-10, MW-9, MW-5, and MW-6 to 0.00178 mg/L for monitor well MW-15.

Please reference Table 20 for GSI-MKT Dissolved Ethene results. Analytical Dissolved Ethene data for the previous five (5) quarters was entered into the GSI Mann-Kendall Toolkit (GSI-MKT) for monitor wells MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14. The GSI-MKT indicated the Concentration Trends for MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14 were as follows “Stable”, “No Trend”, “Stable”, “Stable”, “No Trend”, and “No Trend”.

For the 1st quarter the analytical results for concentrations of Dissolved Iron (filtered) ranged from less than the applicable laboratory RL for monitor MW-15 to 1.44 mg/L for monitor well MW-6.

For the 2nd quarter the analytical results for concentrations of Dissolved Iron (filtered) ranged from less than the applicable laboratory RL for monitor MW-10, MW-15, and MW-14 to 1.49 mg/L for monitor well MW-5.

For the 3rd quarter the analytical results for concentrations of Dissolved Iron (filtered) ranged from less than the applicable laboratory RL for monitor wells MW-9, MW-6, MW-15, and MW-14 to 1.20 mg/L for monitor well MW-5.

For the 4th quarter the analytical results for concentrations of Dissolved Iron (filtered) were less than the applicable laboratory RL for monitor wells MW-10, MW-9, MW-15, and MW-14 to 1.67 mg/L for monitor well MW-6.

Please reference Table 21 for GSI-MKT Dissolved Iron (filtered) results. Analytical Dissolved Iron data for the previous five (5) quarters was entered into the GSI Mann-Kendall Toolkit (GSI-MKT) for monitor wells MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14. The GSI-MKT indicated the Concentration Trends for MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14 were as follows “No Trend”, “No Trend”, “Stable”, “Stable”, “No Trend”, and “No Trend”.

For the 1st quarter the analytical results for concentrations of Dissolved Manganese (filtered) ranged from 0.00226 mg/L for monitor well MW-10 to 0.226 mg/L for monitor well MW-5.

For the 2nd quarter the analytical results for concentrations of Dissolved Manganese (filtered) ranged from less than the applicable laboratory RL for monitor well MW-10 to 0.269 mg/L for monitor well MW-5.

For the 3rd quarter the analytical results for concentrations of Dissolved Manganese (filtered) ranged from 0.00837 mg/L for monitor well MW-10 to 0.209 mg/L for monitor well MW-5.

For the 4th quarter analytical results for concentrations of Dissolved Manganese (filtered) ranged from 0.00178 mg/L for monitor well MW-10 to 0.192 mg/L for monitor well MW-5.

Please reference Table 22 for GSI-MKT Dissolved Manganese (filtered) results. Analytical Dissolved Manganese data for the previous five (5) quarters was entered into the GSI Mann-Kendall Toolkit (GSI-MKT) for monitor wells MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14. The GSI-MKT indicated the Concentration Trends for MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14 were as follows “No Trend”, “Stable”, “Stable”, “Probably Decreasing”, “No Trend”, and “No Trend”.

For the 1st quarter the analytical results for concentrations of Nitrate ranged from 0.305 mg/L for monitor well MW-5 to 8.45 mg/L for monitor well MW-10.

For the 2nd quarter the analytical results for concentrations of Nitrate ranged from 0.408 mg/L for monitor well MW-5 to 8.40 mg/L for monitor well MW-10.

For the 3rd quarter the analytical results for concentrations of Nitrate ranged from 0.337 mg/L for monitor well MW-5 to 8.50 mg/L for monitor well MW-10.

For the 4th quarter the analytical results for concentrations of Nitrate ranged from 0.830 mg/L for monitor well MW-6 to 11.0 mg/L for monitor well MW-5.

Please reference Table 23 for GSI-MKT Nitrate results. Analytical Nitrate data for the previous five (5) quarters was entered into the GSI Mann-Kendall Toolkit (GSI-MKT) for monitor wells MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14. The GSI-MKT indicated the Concentration Trends for MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14 were as follows “Increasing”, “Stable”, “No Trend”, “No Trend”, “Stable”, and “Probably Increasing”.

For the 1st quarter the analytical results for concentrations of Sulfate ranged from 9.64 mg/L monitor well MW-5 to 74.0 mg/L for monitor well MW-15.

For the 2nd quarter the analytical results for concentrations of Sulfate ranged from 2.66 mg/L monitor well MW-5 to 177 mg/L for monitor well MW-9.

For the 3rd quarter the analytical results for concentrations of Sulfate ranged from 9.31 mg/L monitor well MW-5 to 75.3 mg/L for monitor well MW-10.

For the 4th quarter the analytical results for concentrations of Sulfate ranged from 15.2 mg/L monitor well MW-5 to 73.8 mg/L for monitor well MW-15.

Please reference Table 24 for GSI-MKT Sulfate results. Analytical Sulfate data for the previous five (5) quarters was entered into the GSI Mann-Kendall Toolkit (GSI-MKT) for monitor wells MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14. The GSI-MKT indicated the Concentration Trends for MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14 were as follows “No Trend”, “Stable”, “Stable”, “Stable”, “Stable”, and “Stable”.

For the 1st quarter the analytical results for concentrations of COD ranged from less than the applicable laboratory RL for monitor wells MW-10, MW-6, MW-15, and MW-14 to 34.0 mg/L for monitor well MW-5.

For the 2nd quarter the analytical results for concentrations of COD ranged from less than the applicable laboratory RL for monitor wells MW-10, MW-15, and MW-14 to 21.2 mg/L for monitor well MW-5.

For the 3rd quarter the analytical results for concentrations of COD ranged were less than the applicable laboratory RL for monitor wells MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14.

For the 4th quarter the analytical results for concentrations of COD ranged from 5.0 mg/L for monitor well MW-10 and MW-14 to 30.0 for monitor well MW-5

Please reference Table 25 for GSI-MKT COD results. Analytical COD data for the previous five (5) quarters was entered into the GSI Mann-Kendall Toolkit (GSI-MKT) for monitor wells MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14. The GSI-MKT indicated the Concentration Trends for MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14 were as follows “No Trend”, “Increasing”, “No Trend”, “No Trend”, “Probably Increasing”, and “No Trend”.

SUMMARY

This report presents the results of monitoring activities for the 2022 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 0.0027 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 0.0026 to 0.0027 feet/foot in a southeast direction. The corrected groundwater elevations ranged between 3,920.73 and 3,921.68 feet above mean sea level, in monitor well MW-13 on November 16, 2022, and recovery well RW-1 on February 17, 2022, respectively.

A measurable thickness of PSH was present in six (6) of the fifteen (15) monitor wells (MW-2, through MW-6 and MW-9) and the four (4) recovery wells (RW-1 through RW-4) during all (4) quarters of the reporting period. The average thickness of PSH in monitor wells and recovery wells exhibiting PSH was 2.27 feet. The maximum thickness of PSH in monitor wells and recovery wells was 4.20 feet as recorded in monitor well MW-5 on November 2, 2022. PSH data for the 2022 gauging events can be found in Table 1. Approximately 179.69 gallons (approximately 4.28 barrels) of PSH was recovered from the Site during the 2022 reporting period. A total of approximately 10,452.72 gallons (approximately 248.87 barrels) of PSH have been recovered since project inception.

Review of the 4th quarter 2022 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 ten (10) of the of the nineteen (19) monitor and recovery wells during one (1) or more quarters of the reporting period.

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.

Polynuclear Aromatic Hydrocarbons (PAH) analysis by EPA Method 8270 was conducted during the 4th quarter of the 2022 calendar year on selected monitor and recovery wells. Based on historical PAH analytical data, only those wells exhibiting elevated constituent concentrations above NMWQCC Drinking Water Standards are sampled, generally with the exclusion of those wells containing measurable PSH thicknesses.

Please note, during maintenance activities, all groundwater recovered from the Site was stored in the on-site frac tank and was periodically transported to an NMOCD approved disposal. During the maintenance activities no water has been discharged to the on-site infiltration gallery wells and the sparging system remained operational following the system shut down to maintain downgradient control of the PSH plume.

ANTICIPATED ACTIONS

The Enhanced Recovery System will resume operation during the 2023 reporting period following the upgrades and enhancements to the system. 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.

PSH recovery, quarterly groundwater monitoring and sampling and monthly Recovery System sampling will continue in 2023.

An Annual Monitoring Report will be submitted to the NMOCD before April 1, 2024.

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.

Low-flow sampling of MNA parameters will be conducted on monitor wells MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14 during each quarterly sampling event. Unforeseen circumstances may require modification of this sampling event.

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.

DISTRIBUTION

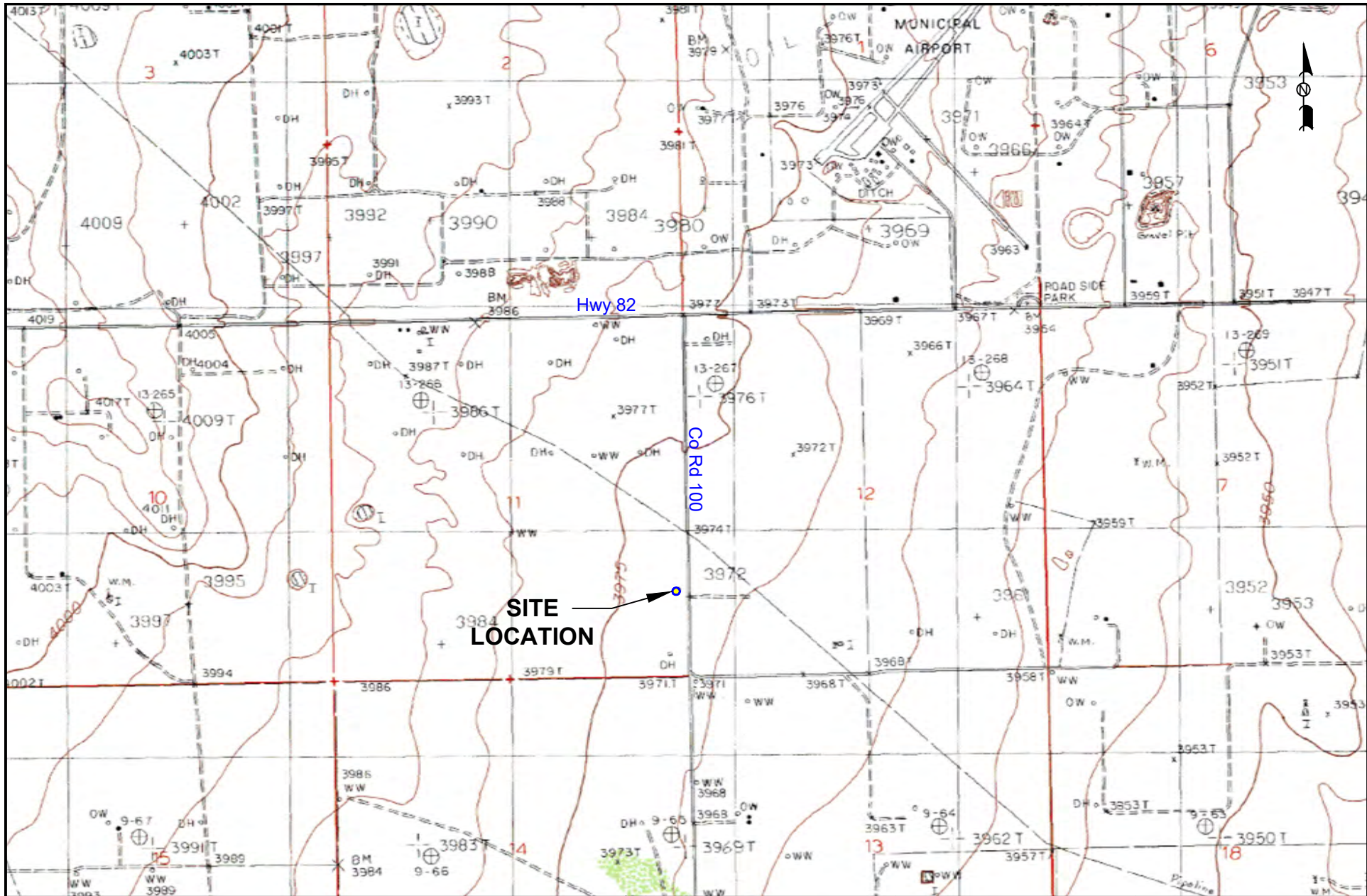
Copy 1 Nelson Velez
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 New Mexico Oil Conservation Division
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FIGURES



LEGEND:

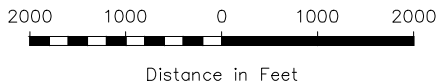


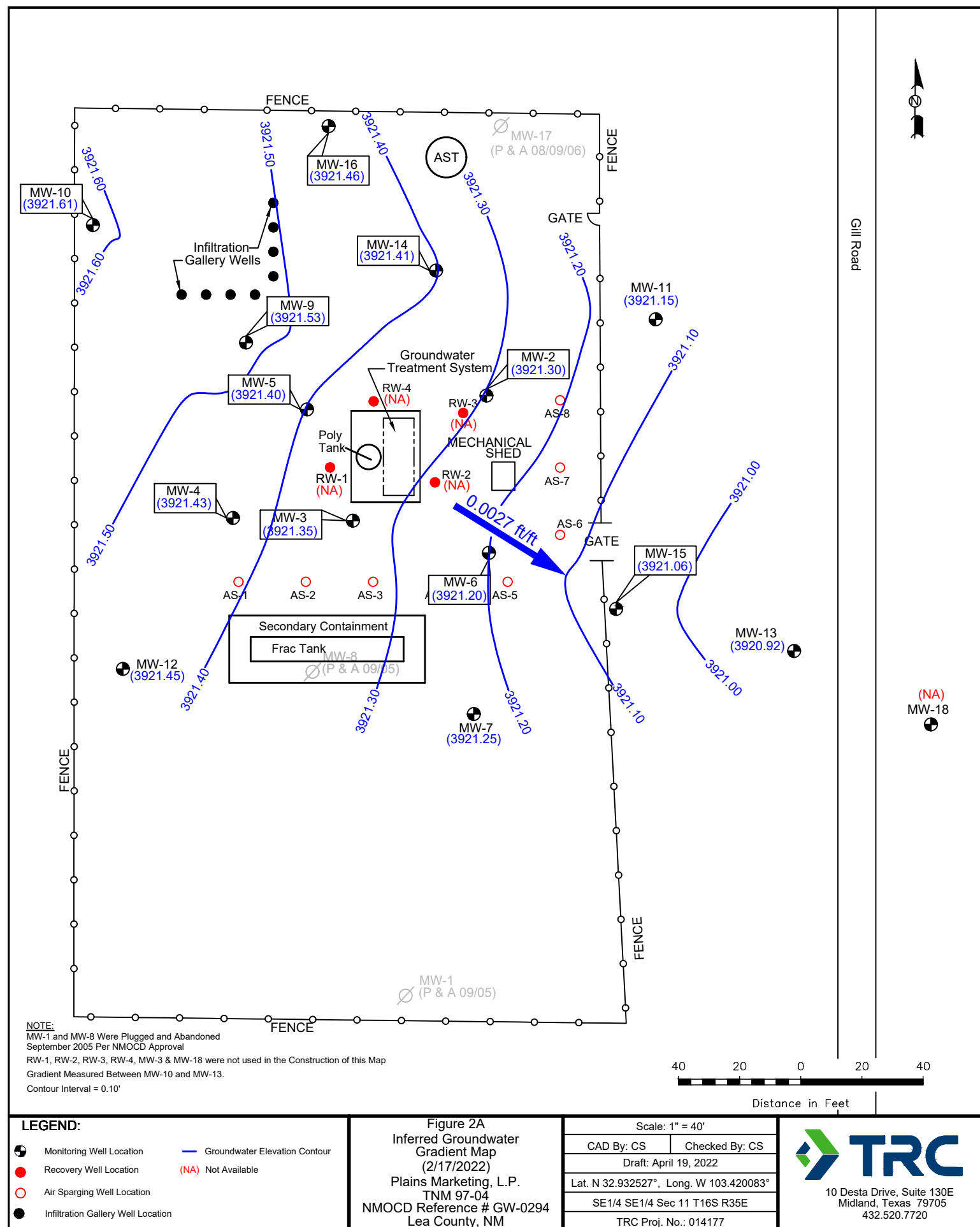
Figure 1
Site Location Map
Plains Marketing, L.P.
TNM 97-04
NMOCD Reference # GW-294-0
Lea County, NM

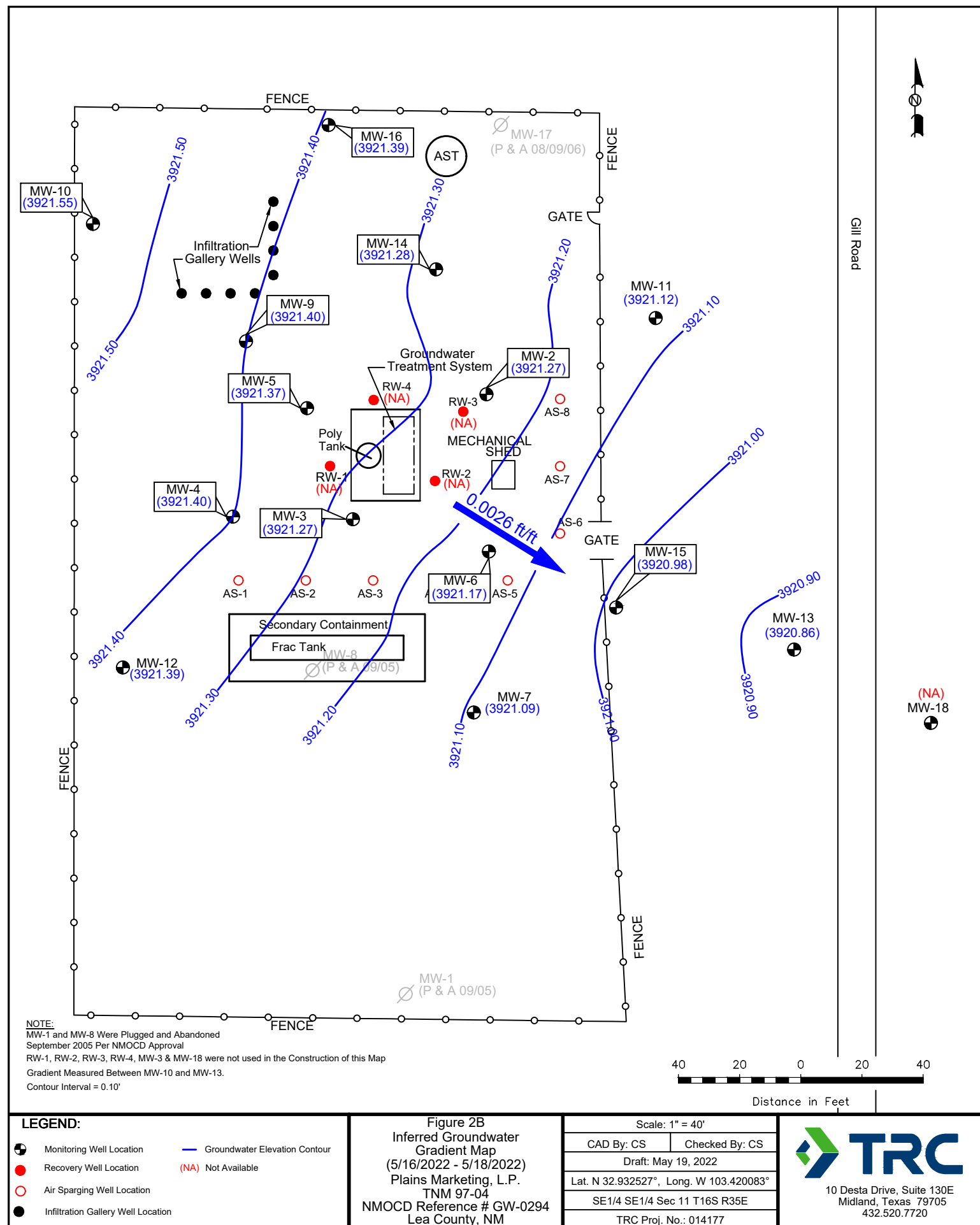
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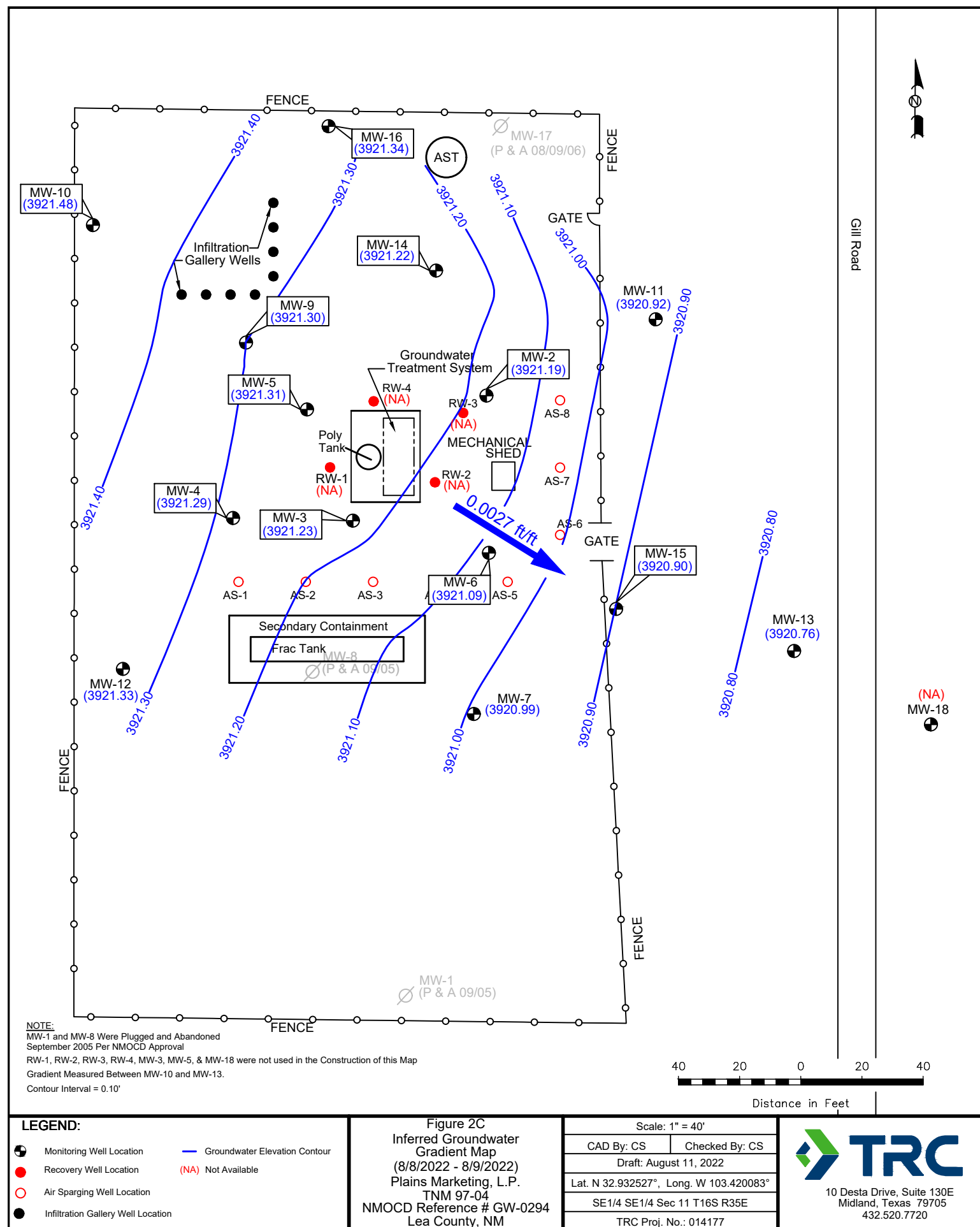
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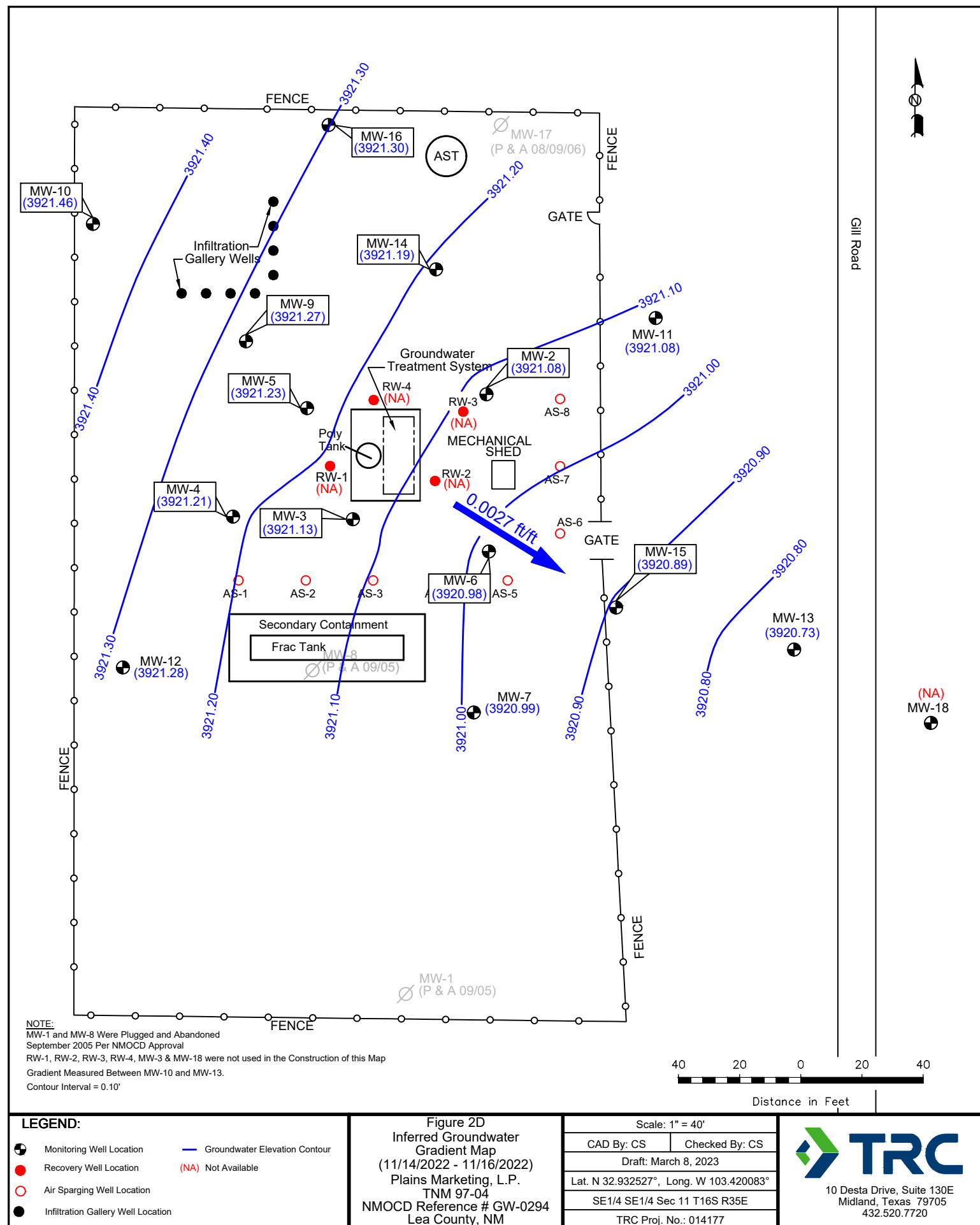


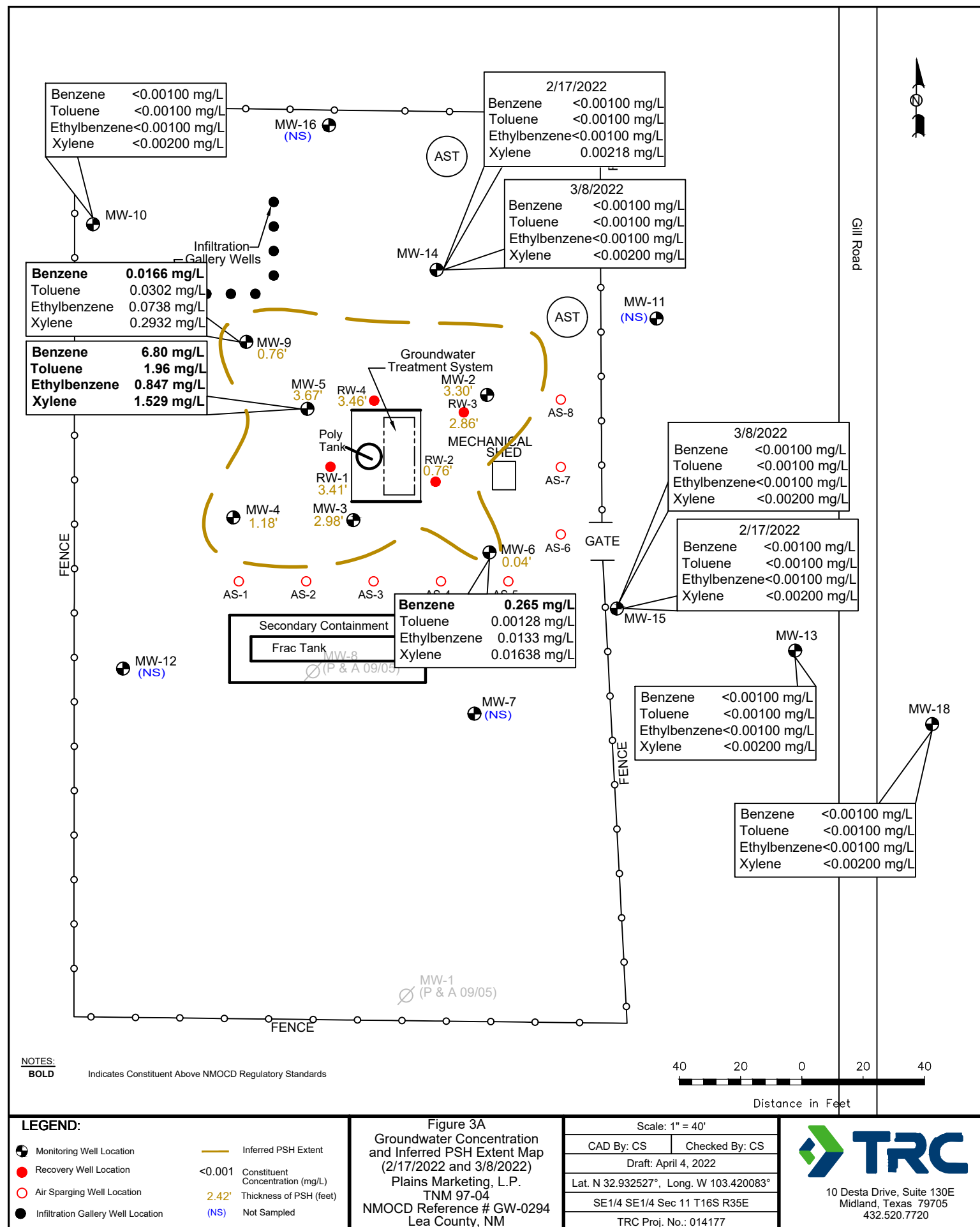
10 Desta Drive, Suite 130E
Midland, Texas 79705
432.520.7720



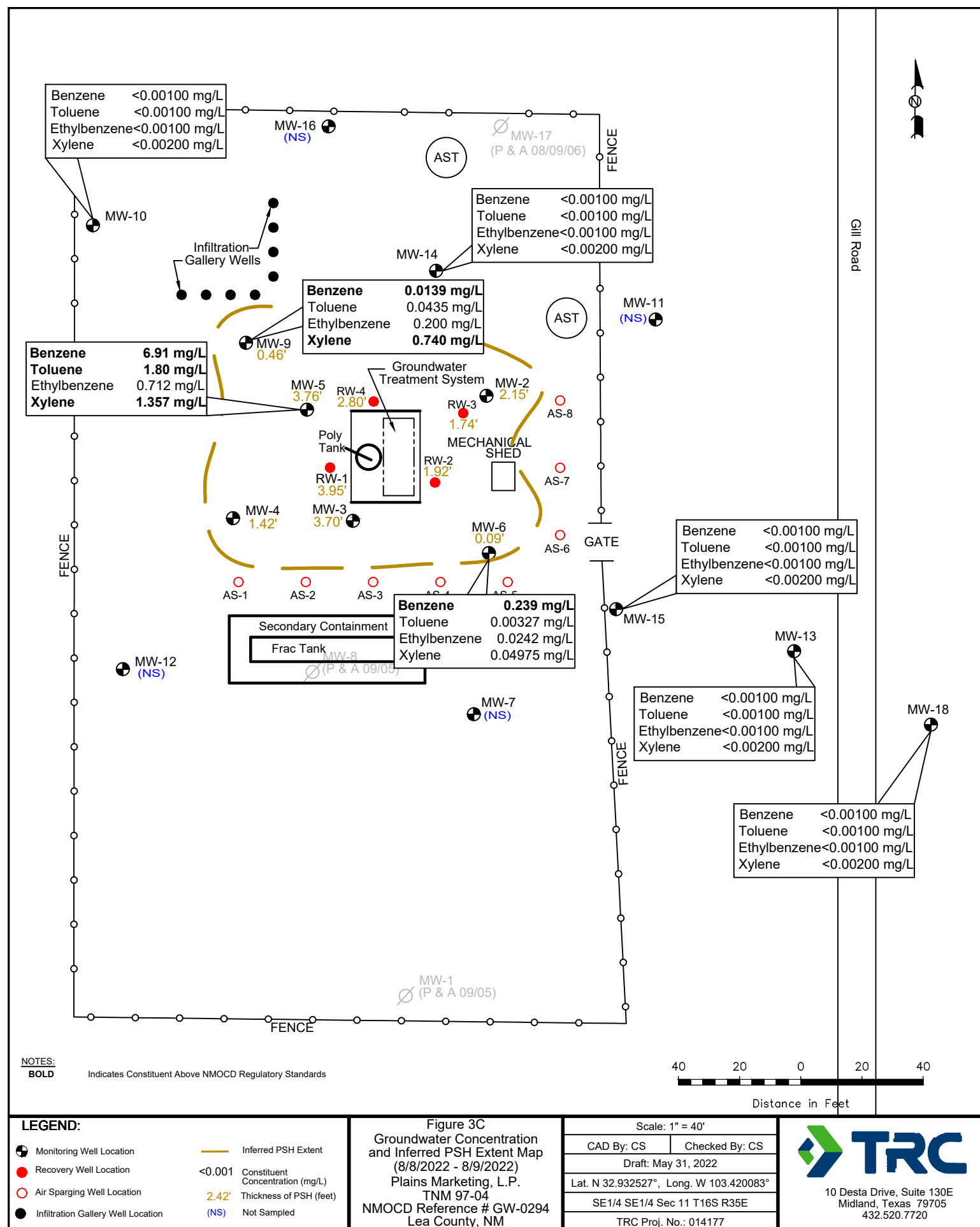


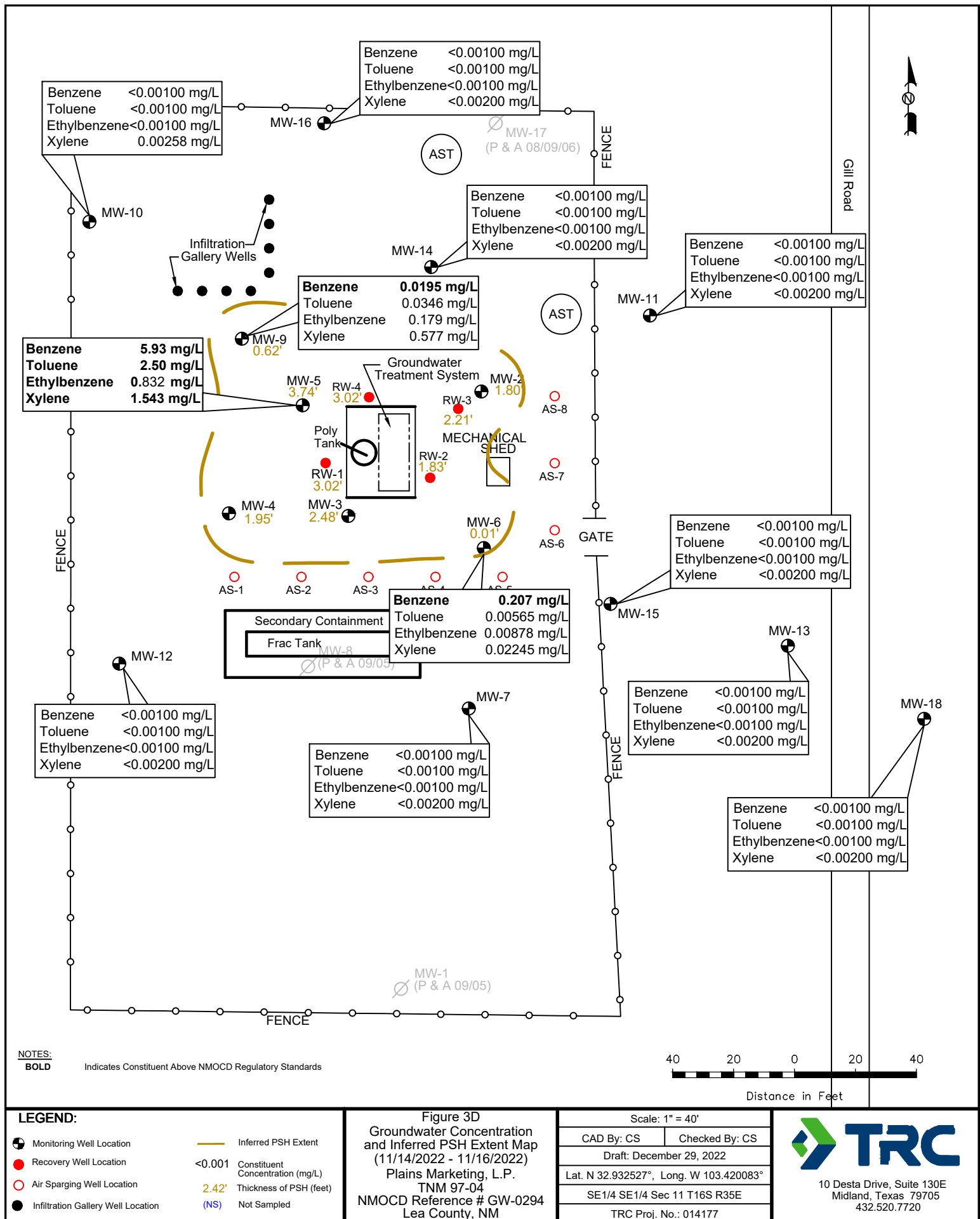












TABLES

TABLE 1

2022 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	02/17/22	3974.62	52.83	56.13	3.30	3921.30
MW - 2	05/18/22	3974.62	52.82	56.33	3.51	3921.27
MW - 2	06/30/22	3974.62	52.89	56.29	3.40	3921.22
MW - 2	07/20/22	3974.62	53.01	55.95	2.94	3921.17
MW - 2	07/26/22	3974.62	53.22	54.90	1.68	3921.15
MW - 2	08/09/22	3974.62	53.11	55.26	2.15	3921.19
MW - 2	09/27/22	3974.62	53.00	56.31	3.31	3921.12
MW - 2	10/06/22	3974.62	53.11	55.70	2.59	3921.12
MW - 2	10/22/22	3974.62	53.41	54.51	1.10	3921.05
MW - 2	11/02/22	3974.62	53.17	55.41	2.24	3921.11
MW - 2	11/14/22	3974.62	53.27	55.07	1.80	3921.08
MW - 3	02/17/22	3974.60	52.80	55.78	2.98	3921.35
MW - 3	05/18/22	3974.60	52.82	56.19	3.37	3921.27
MW - 3	08/09/22	3974.60	52.82	56.52	3.70	3921.23
MW - 3	11/14/22	3974.60	53.10	55.58	2.48	3921.13
MW - 4	02/17/22	3974.53	52.92	54.10	1.18	3921.43
MW - 4	05/18/22	3974.53	52.85	54.74	1.89	3921.40
MW - 4	08/09/22	3974.53	53.03	54.45	1.42	3921.29
MW - 4	11/14/22	3974.53	53.03	54.98	1.95	3921.21
MW - 5	02/17/22	3974.27	52.32	55.99	3.67	3921.40
MW - 5	03/08/22	3974.27	52.30	56.03	3.73	3921.41
MW - 5	05/18/22	3974.27	52.33	56.12	3.79	3921.37
MW - 5	06/21/22	3974.27	52.43	56.05	3.62	3921.30
MW - 5	06/30/22	3974.27	52.49	55.79	3.30	3921.29
MW - 5	07/20/22	3974.27	52.30	56.39	4.09	3921.36
MW - 5	07/26/22	3974.27	52.44	56.14	3.70	3921.28
MW - 5	08/09/22	3974.27	52.40	56.16	3.76	3921.31
MW - 5	09/23/22	3974.27	52.44	55.99	3.55	3921.30
MW - 5	09/27/22	3974.27	52.53	56.00	3.47	3921.22
MW - 5	10/06/22	3974.27	52.48	56.26	3.78	3921.22
MW - 5	10/12/22	3974.27	52.52	56.09	3.57	3921.21
MW - 5	11/02/22	3974.27	52.27	56.47	4.20	3921.37
MW - 5	11/15/22	3974.27	52.48	56.22	3.74	3921.23
MW - 6	02/17/22	3974.72	53.51	53.55	0.04	3921.20
MW - 6	03/08/22	3974.72	53.53	53.63	0.10	3921.18
MW - 6	05/18/22	3974.72	53.54	53.62	0.08	3921.17
MW - 6	08/09/22	3974.72	53.62	53.71	0.09	3921.09
MW - 6	11/15/22	3974.72	53.74	53.75	0.01	3920.98

TABLE 1

2022 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 - 7	02/17/22	3974.60	-	53.35	0.00	3921.25
MW - 7	05/16/22	3974.60	-	53.51	0.00	3921.09
MW - 7	08/08/22	3974.60	-	53.61	0.00	3920.99
MW - 7	11/16/22	3974.60	-	53.61	0.00	3920.99
MW - 9	02/17/22	3975.06	53.42	54.18	0.76	3921.53
MW - 9	03/08/22	3975.06	53.46	54.32	0.86	3921.47
MW - 9	05/18/22	3975.06	53.56	54.24	0.68	3921.40
MW - 9	08/09/22	3975.06	53.69	54.15	0.46	3921.30
MW - 9	11/15/22	3975.06	53.70	54.32	0.62	3921.27
MW - 10	03/08/22	3975.02	-	53.41	0.00	3921.61
MW - 10	05/18/22	3975.02	-	53.47	0.00	3921.55
MW - 10	08/09/22	3975.02	-	53.54	0.00	3921.48
MW - 10	11/15/22	3975.02	-	53.56	0.00	3921.46
MW - 11	02/17/22	3975.30	-	54.15	0.00	3921.15
MW - 11	05/18/22	3975.30	-	54.18	0.00	3921.12
MW - 11	08/08/22	3975.30	-	54.38	0.00	3920.92
MW - 11	11/16/22	3975.30	-	54.22	0.00	3921.08
MW - 12	02/17/22	3974.55	-	53.10	0.00	3921.45
MW - 12	05/16/22	3974.55	-	53.16	0.00	3921.39
MW - 12	08/08/22	3974.55	-	53.22	0.00	3921.33
MW - 12	11/16/22	3974.55	-	53.27	0.00	3921.28
MW - 13	02/17/22	3975.00	-	54.08	0.00	3920.92
MW - 13	05/17/22	3975.00	-	54.14	0.00	3920.86
MW - 13	08/08/22	3975.00	-	54.24	0.00	3920.76
MW - 13	11/16/22	3975.00	-	54.27	0.00	3920.73
MW - 14	02/17/22	3976.15	-	54.74	0.00	3921.41
MW - 14	03/08/22	3976.15	-	54.79	0.00	3921.36
MW - 14	05/18/22	3976.15	-	54.87	0.00	3921.28
MW - 14	08/09/22	3976.15	-	54.93	0.00	3921.22
MW - 14	11/15/22	3976.15	-	54.96	0.00	3921.19
MW - 15	02/17/22	3974.69	-	53.63	0.00	3921.06
MW - 15	03/08/22	3974.69	-	53.60	0.00	3921.09
MW - 15	05/18/22	3974.69	-	53.71	0.00	3920.98
MW - 15	08/09/22	3974.69	-	53.79	0.00	3920.90
MW - 15	11/15/22	3974.69	-	53.80	0.00	3920.89
MW - 16	02/17/22	3975.12	-	53.66	0.00	3921.46

TABLE 1

2022 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 - 16	05/16/22	3975.12	-	53.73	0.00	3921.39
MW - 16	08/08/22	3975.12	-	53.78	0.00	3921.34
MW - 16	11/16/22	3975.12	-	53.82	0.00	3921.30
MW - 18	02/17/22	-	-	54.80	0.00	-
MW - 18	05/17/22	-	-	54.85	0.00	-
MW - 18	08/08/22	-	-	54.96	0.00	-
MW - 18	11/16/22	-	-	55.00	0.00	-
RW - 1	02/17/22	3970.79	48.60	52.01	3.41	3921.68
RW - 1	05/18/22	3970.79	48.60	52.27	3.67	3921.64
RW - 1	08/09/22	3970.79	48.65	52.60	3.95	3921.55
RW - 1	11/14/22	3970.79	48.88	51.90	3.02	3921.46
RW - 2	02/17/22	-	53.63	54.39	0.76	-
RW - 2	05/18/22	-	53.56	54.97	1.41	-
RW - 2	08/09/22	-	53.57	55.49	1.92	-
RW - 2	11/14/22	-	53.70	55.53	1.83	-
RW - 3	02/17/22	-	53.85	56.71	2.86	-
RW - 3	05/18/22	-	53.75	57.17	3.42	-
RW - 3	06/30/22	-	53.87	57.09	3.22	-
RW - 3	07/20/22	-	54.00	56.59	2.59	-
RW - 3	07/26/22	-	54.20	55.64	1.44	-
RW - 3	08/09/22	-	54.13	55.87	1.74	-
RW - 3	09/27/22	-	53.98	57.09	3.11	-
RW - 3	10/06/22	-	54.14	56.27	2.13	-
RW - 3	11/14/22	-	54.15	56.36	2.21	-
RW - 4	02/17/22	-	53.80	57.26	3.46	-
RW - 4	05/18/22	-	53.75	57.48	3.73	-
RW - 4	06/21/22	-	53.82	57.51	3.69	-
RW - 4	06/30/22	-	53.93	57.13	3.20	-
RW - 4	07/20/22	-	53.92	57.32	3.40	-
RW - 4	07/26/22	-	54.06	56.61	2.55	-
RW - 4	08/09/22	-	53.98	56.78	2.80	-
RW - 4	09/23/22	-	53.92	57.48	3.56	-
RW - 4	09/27/22	-	54.10	56.72	2.62	-
RW - 4	10/06/22	-	54.18	56.49	2.31	-
RW - 4	11/14/22	-	54.07	57.09	3.02	-

TABLE 2

2022 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	02/17/22	Not Sampled Due to PSH in Well				
MW - 2	05/18/22	Not Sampled Due to PSH in Well				
MW - 2	08/09/22	Not Sampled Due to PSH in Well				
MW - 2	11/14/22	Not Sampled Due to PSH in Well				
MW - 3	02/17/22	Not Sampled Due to PSH in Well				
MW - 3	05/18/22	Not Sampled Due to PSH in Well				
MW - 3	08/09/22	Not Sampled Due to PSH in Well				
MW - 3	11/14/22	Not Sampled Due to PSH in Well				
MW - 4	02/17/22	Not Sampled Due to PSH in Well				
MW - 4	05/18/22	Not Sampled Due to PSH in Well				
MW - 4	08/09/22	Not Sampled Due to PSH in Well				
MW - 4	11/14/22	Not Sampled Due to PSH in Well				
MW - 5	02/17/22	Not Sampled Due to PSH in Well				
MW - 5	03/08/22	6.80	1.96	0.847	1.529	
MW - 5	05/18/22	8.63	3.46	1.08	2.317	
MW - 5	08/09/22	6.91	1.80	0.712	1.357	
MW - 5	11/15/22	5.93	2.50	0.832	1.543	
MW - 6	02/17/22	Not Sampled Due to PSH in Well				
MW - 6	03/08/22	0.265	0.00128	0.0133	0.01638	
MW - 6	05/18/22	0.316	0.00307	0.0212	0.02664	
MW - 6	08/09/22	0.239	0.00327	0.0242	0.04975	
MW - 6	11/15/22	0.207	0.00565	0.00878	0.02245	
MW - 7	02/17/22	Not Sampled on Current Sample Schedule				
MW - 7	05/16/22	Not Sampled on Current Sample Schedule				
MW - 7	08/08/22	Not Sampled on Current Sample Schedule				
MW - 7	11/16/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 9	02/17/22	Not Sampled Due to PSH in Well				
MW - 9	03/08/22	0.0166	0.0302	0.0738	0.2932	
MW - 9	05/18/22	0.0146	0.0817	0.218	0.959	
MW - 9	08/09/22	0.0139	0.0435	0.200	0.740	
MW - 9	11/15/22	0.0195	0.0346	0.179	0.577	
MW - 10	02/17/22	Not Sampled on Current Sample Schedule				
MW - 10	03/08/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 10	05/18/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 10	08/09/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 10	11/15/22	<0.00100	<0.00100	<0.00100	0.00258	
MW - 11	02/17/22	Not Sampled on Current Sample Schedule				
MW - 11	05/16/22	Not Sampled on Current Sample Schedule				

TABLE 2

2022 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	08/08/22	Not Sampled on Current Sample Schedule				
MW - 11	11/16/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 12	02/17/22	Not Sampled on Current Sample Schedule				
MW - 12	05/16/22	Not Sampled on Current Sample Schedule				
MW - 12	08/08/22	Not Sampled on Current Sample Schedule				
MW - 12	11/16/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 13	02/17/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 13	05/17/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 13	08/08/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 13	11/16/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 14	02/17/22	<0.00100	<0.00100	<0.00100	0.00218	
MW - 14	03/08/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 14	05/16/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 14	08/09/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 14	11/15/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 15	02/17/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 15	03/08/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 15	05/18/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 15	08/09/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 15	11/15/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 16	02/17/22	Not Sampled on Current Sample Schedule				
MW - 16	05/16/22	Not Sampled on Current Sample Schedule				
MW - 16	08/08/22	Not Sampled on Current Sample Schedule				
MW - 16	11/16/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 18	02/17/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 18	05/17/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 18	08/08/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 18	11/16/22	<0.00100	<0.00100	<0.00100	<0.00200	
RW - 1	02/17/22	Not Sampled Due to PSH in Well				
RW - 1	05/18/22	Not Sampled Due to PSH in Well				
RW - 1	08/09/22	Not Sampled Due to PSH in Well				
RW - 1	11/14/22	Not Sampled Due to PSH in Well				
RW - 2	02/17/22	Not Sampled Due to PSH in Well				
RW - 2	05/18/22	Not Sampled Due to PSH in Well				
RW - 2	08/09/22	Not Sampled Due to PSH in Well				
RW - 2	11/14/22	Not Sampled Due to PSH in Well				
RW - 3	02/17/22	Not Sampled Due to PSH in Well				
RW - 3	05/18/22	Not Sampled Due to PSH in Well				
RW - 3	08/09/22	Not Sampled Due to PSH in Well				

TABLE 2

2022 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 LOCACTION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	o - XYLENES
RW - 3	11/14/22	Not Sampled Due to PSH in Well				
RW - 4	02/17/22	Not Sampled Due to PSH in Well				
RW - 4	05/18/22	Not Sampled Due to PSH in Well				
RW - 4	08/09/22	Not Sampled Due to PSH in Well				
RW - 4	11/14/22	Not Sampled Due to PSH in Well				

TABLE 3

2022 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	11/15/22	Not Sampled due to the presence of PSH.																		
MW-3	11/15/22	Not Sampled due to the presence of PSH.																		
MW-4	11/15/22	Not Sampled due to the presence of PSH.																		
MW-5	11/15/22	0.00046	0.00053	0.00050	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.00053	<0.00010	<0.00010	0.0072	<0.00010	0.0064	<0.00010	0.238			
MW-6	11/15/22	<0.00010	<0.00010	0.00092	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.0020	<0.00010	<0.00010	0.0016	<0.00010	0.0015	<0.00010	0.0131			
MW-7	11/16/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-9	11/15/22	0.00012	0.00019	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.0030	<0.00010	0.0033	<0.00010	0.103		-	
MW-10	11/15/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-11	11/16/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	11/16/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	11/16/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-14	11/15/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-15	11/15/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-16	11/16/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-18	11/16/22	Not Sampled as part of Quarterly Monitoring Event.																		
RW-1	11/14/22	Not Sampled due to the presence of PSH.																		
RW-2	11/14/22	Not Sampled due to the presence of PSH.																		

TABLE 3

2022 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.

EPA SW846-8270C, 3510

SAMPLE LOCATION	SAMPLE DATE	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
		---	---	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-3	11/14/22	Not Sampled due to the presence of PSH.																		
RW-4	11/14/22	Not Sampled due to the presence of PSH.																		

TABLE 4

2022 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	All water concentrations are reported in mg/L																
		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-Metals	11/11/22	0.0197	0.0395	<0.00400	0.147	1.55	0.119	<0.00500	0.0102	0.0156	0.109	<0.00200	<0.00500	<0.000200	<0.00200	<0.00200	<0.00200	0.245

TABLE 5

2022 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
11/11/22	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00200

TABLE 6

2022 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	11/11/22	<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	0.00049			<0.00010

TABLE 7

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 7

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 7

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 7

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 7

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 7

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 7

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 7

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 7

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 7

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 7

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 7

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 7

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 7

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 7

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 7

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 7

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 - 2	01/08/20	3974.62	52.57	55.30	2.73	3921.64
MW - 2	02/13/20	3974.62	52.74	54.45	1.71	3921.62
MW - 2	02/18/20	3974.62	52.69	54.44	1.75	3921.67
MW - 2	05/05/20	3974.62	52.60	55.12	2.52	3921.64
MW - 2	06/11/20	3974.62	52.60	55.26	2.66	3921.62
MW - 2	09/23/20	3974.62	52.67	55.67	3.00	3921.50
MW - 2	12/04/20	3974.62	52.67	55.69	3.02	3921.50
MW - 2	03/23/21	3974.62	52.68	55.81	3.13	3921.47
MW - 2	06/04/21	3974.62	52.66	55.00	2.34	3921.61
MW - 2	08/12/21	3974.62	52.77	56.16	3.39	3921.34
MW - 2	09/30/21	3974.62	52.89	55.88	2.99	3921.28
MW - 2	12/09/21	3974.62	52.99	55.02	2.03	3921.33
MW - 2	02/17/22	3974.62	52.83	56.13	3.30	3921.30
MW - 2	05/18/22	3974.62	52.82	56.33	3.51	3921.27
MW - 2	06/30/22	3974.62	52.89	56.29	3.40	3921.22
MW - 2	07/20/22	3974.62	53.01	55.95	2.94	3921.17
MW - 2	07/26/22	3974.62	53.22	54.90	1.68	3921.15
MW - 2	08/09/22	3974.62	53.11	55.26	2.15	3921.19
MW - 2	09/27/22	3974.62	53.00	56.31	3.31	3921.12
MW - 2	10/06/22	3974.62	53.11	55.70	2.59	3921.12
MW - 2	10/22/22	3974.62	53.41	54.51	1.10	3921.05
MW - 2	11/02/22	3974.62	53.17	55.41	2.24	3921.11
MW - 2	11/14/22	3974.62	53.27	55.07	1.80	3921.08
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

TABLE 7

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	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
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

TABLE 7

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	12/01/03	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
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

TABLE 7

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	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
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

TABLE 7

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	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
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

TABLE 7

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	04/26/07	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
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

TABLE 7

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	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
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

TABLE 7

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	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
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

TABLE 7

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	08/12/10	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
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

TABLE 7

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	08/30/11	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
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

TABLE 7

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	07/31/13	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
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

TABLE 7

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	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
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 - 3	01/08/20	3974.60	52.74	54.16	1.42	3921.65
MW - 3	02/18/20	3974.60	52.73	53.96	1.23	3921.69
MW - 3	05/05/20	3974.60	52.71	54.24	1.53	3921.66
MW - 3	06/11/20	3974.60	52.73	54.43	1.70	3921.62
MW - 3	09/23/20	3974.60	52.75	54.82	2.07	3921.54
MW - 3	12/04/20	3974.60	52.77	54.84	2.07	3921.52
MW - 3	03/23/21	3974.60	52.86	54.61	1.75	3921.48
MW - 3	06/04/21	3974.60	52.65	55.64	2.99	3921.50
MW - 3	09/30/21	3974.60	52.74	56.12	3.38	3921.35
MW - 3	12/09/21	3974.60	52.49	54.72	2.23	3921.78
MW - 3	02/17/22	3974.60	52.80	55.78	2.98	3921.35
MW - 3	05/18/22	3974.60	52.82	56.19	3.37	3921.27
MW - 3	08/09/22	3974.60	52.82	56.52	3.70	3921.23
MW - 3	11/14/22	3974.60	53.10	55.58	2.48	3921.13
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

TABLE 7

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	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
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

TABLE 7

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	11/19/03	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
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

TABLE 7

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	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
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

TABLE 7

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	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
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

TABLE 7

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	12/04/06	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
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

TABLE 7

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	12/13/07	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
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

TABLE 7

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	10/17/08	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
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

TABLE 7

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	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
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

TABLE 7

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	05/25/10	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
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

TABLE 7

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	07/28/11	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
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

TABLE 7

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	10/30/12	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
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

TABLE 7

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	11/01/13	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
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

TABLE 7

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	08/11/14	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
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

TABLE 7

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	07/22/15	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
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

TABLE 7

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	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
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

TABLE 7

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	10/16/18	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 - 4	01/08/20	3974.53	52.72	53.18	0.46	3921.74
MW - 4	02/13/20	3974.53	52.75	52.85	0.10	3921.77
MW - 4	02/18/20	3974.53	52.75	52.90	0.15	3921.76
MW - 4	05/05/20	3974.53	52.66	53.50	0.84	3921.74
MW - 4	06/11/20	3974.53	52.69	53.71	1.02	3921.69
MW - 4	09/23/20	3974.53	52.70	54.16	1.46	3921.61
MW - 4	12/04/20	3974.53	52.68	54.36	1.68	3921.60
MW - 4	03/23/21	3974.53	52.65	54.67	2.02	3921.58
MW - 4	06/04/21	3974.53	52.62	54.85	2.23	3921.58
MW - 4	08/12/21	3974.53	52.71	55.00	2.29	3921.48

TABLE 7

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	09/30/21	3974.53	52.90	54.24	1.34	3921.43
MW - 4	12/09/21	3974.53	52.98	53.68	0.70	3921.45
MW - 4	02/17/22	3974.53	52.92	54.10	1.18	3921.43
MW - 4	05/18/22	3974.53	52.85	54.74	1.89	3921.40
MW - 4	08/09/22	3974.53	53.03	54.45	1.42	3921.29
MW - 4	11/14/22	3974.53	53.03	54.98	1.95	3921.21
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
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

TABLE 7

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	07/08/03	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
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

TABLE 7

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	11/12/04	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
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

TABLE 7

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	01/31/06	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
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

TABLE 7

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	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
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

TABLE 7

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	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
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

TABLE 7

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	03/06/09	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
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

TABLE 7

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	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
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

TABLE 7

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	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
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

TABLE 7

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	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
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

TABLE 7

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	06/19/13	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
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

TABLE 7

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	01/29/14	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
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

TABLE 7

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	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
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

TABLE 7

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	03/09/16	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
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

TABLE 7

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	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
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

TABLE 7

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	05/07/19	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
MW - 5	01/08/20	3974.27	52.05	55.10	3.05	3921.76
MW - 5	02/13/20	3974.27	52.19	54.43	2.24	3921.74
MW - 5	02/18/20	3974.27	52.08	54.84	2.76	3921.78
MW - 5	05/05/20	3974.27	52.08	55.01	2.93	3921.75
MW - 5	06/11/20	3974.27	52.08	55.16	3.08	3921.73
MW - 5	09/23/20	3974.27	52.17	55.34	3.17	3921.62
MW - 5	12/04/20	3974.27	52.18	55.42	3.24	3921.60
MW - 5	03/23/21	3974.27	52.18	55.58	3.40	3921.58
MW - 5	06/04/21	3974.27	52.16	55.67	3.51	3921.58
MW - 5	08/12/21	3974.27	52.26	55.87	3.61	3921.47
MW - 5	09/30/21	3974.27	52.29	55.93	3.64	3921.43
MW - 5	12/09/21	3974.27	52.38	55.45	3.07	3921.43
MW - 5	02/17/22	3974.27	52.32	55.99	3.67	3921.40
MW - 5	03/08/22	3974.27	52.30	56.03	3.73	3921.41
MW - 5	05/18/22	3974.27	52.33	56.12	3.79	3921.37
MW - 5	06/21/22	3974.27	52.43	56.05	3.62	3921.30
MW - 5	06/30/22	3974.27	52.49	55.79	3.30	3921.29
MW - 5	07/20/22	3974.27	52.30	56.39	4.09	3921.36
MW - 5	07/26/22	3974.27	52.44	56.14	3.70	3921.28
MW - 5	08/09/22	3974.27	52.40	56.16	3.76	3921.31
MW - 5	09/23/22	3974.27	52.44	55.99	3.55	3921.30
MW - 5	09/27/22	3974.27	52.53	56.00	3.47	3921.22
MW - 5	10/06/22	3974.27	52.48	56.26	3.78	3921.22
MW - 5	10/12/22	3974.27	52.52	56.09	3.57	3921.21
MW - 5	11/02/22	3974.27	52.27	56.47	4.20	3921.37
MW - 5	11/15/22	3974.27	52.48	56.22	3.74	3921.23

TABLE 7

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	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
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

TABLE 7

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	10/06/03	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
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

TABLE 7

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	12/27/04	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
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

TABLE 7

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	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
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

TABLE 7

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	11/16/06	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
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

TABLE 7

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	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
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

TABLE 7

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	02/03/09	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
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

TABLE 7

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	12/02/09	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
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

TABLE 7

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	08/25/10	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
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

TABLE 7

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	09/13/11	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
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

TABLE 7

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	11/18/13	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
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

TABLE 7

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	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 - 6	01/08/20	3974.72	53.18	53.22	0.04	3921.53
MW - 6	02/18/20	3974.72	53.20	53.25	0.05	3921.51
MW - 6	05/05/20	3974.72	53.18	53.28	0.10	3921.53
MW - 6	06/11/20	3974.72	53.20	53.27	0.07	3921.51
MW - 6	09/23/20	3974.72	53.30	53.36	0.06	3921.41
MW - 6	12/04/20	3974.72	53.32	53.38	0.06	3921.39
MW - 6	03/23/21	3974.72	53.37	53.49	0.12	3921.33
MW - 6	06/04/21	3974.72	53.34	53.42	0.08	3921.37
MW - 6	09/30/21	3974.72	53.47	53.60	0.13	3921.23
MW - 6	12/09/21	3974.72	53.47	53.50	0.03	3921.25
MW - 6	02/17/22	3974.72	53.51	53.55	0.04	3921.20
MW - 6	03/08/22	3974.72	53.53	53.63	0.10	3921.18
MW - 6	05/18/22	3974.72	53.54	53.62	0.08	3921.17
MW - 6	08/09/22	3974.72	53.62	53.71	0.09	3921.09
MW - 6	11/15/22	3974.72	53.74	53.75	0.01	3920.98
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

TABLE 7

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	05/31/01	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
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

TABLE 7

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	11/22/11	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
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

TABLE 7

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	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
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 - 7	02/18/20	3974.60	-	53.08	0.00	3921.52
MW - 7	05/05/20	3974.60	-	53.12	0.00	3921.48
MW - 7	06/11/20	3974.60	-	53.14	0.00	3921.46
MW - 7	09/23/20	3974.60	-	53.26	0.00	3921.34
MW - 7	12/04/20	3974.60	-	53.27	0.00	3921.33
MW - 7	12/24/20	3974.60	-	53.26	0.00	3921.34
MW - 7	03/23/21	3974.60	-	53.28	0.00	3921.32
MW - 7	06/04/21	3974.60	-	53.29	0.00	3921.31
MW - 7	09/30/21	3974.60	-	53.43	0.00	3921.17
MW - 7	12/09/21	3974.60	-	53.45	0.00	3921.15
MW - 7	02/17/22	3974.60	-	53.35	0.00	3921.25
MW - 7	05/16/22	3974.60	-	53.51	0.00	3921.09
MW - 7	08/08/22	3974.60	-	53.61	0.00	3920.99
MW - 7	11/16/22	3974.60	-	53.61	0.00	3920.99
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

TABLE 7

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 - 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
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

TABLE 7

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	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
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

TABLE 7

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	10/08/04	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
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

TABLE 7

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	11/16/05	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
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

TABLE 7

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	09/12/06	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
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

TABLE 7

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	08/30/07	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
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

TABLE 7

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	07/01/08	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
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

TABLE 7

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	07/01/09	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
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

TABLE 7

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	03/30/10	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
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

TABLE 7

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	05/18/11	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
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

TABLE 7

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	05/08/12	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
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

TABLE 7

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	09/06/13	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
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

TABLE 7

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	05/09/14	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
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

TABLE 7

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	03/18/15	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
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

TABLE 7

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	10/21/16	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
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

TABLE 7

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	07/12/18	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
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

TABLE 7

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	11/15/19	3975.06	53.28	53.43	0.15	3921.76
MW - 9	01/08/20	3975.06	53.15	53.66	0.51	3921.83
MW - 9	02/18/20	3975.06	53.18	53.30	0.12	3921.86
MW - 9	05/05/20	3975.06	53.12	53.86	0.74	3921.83
MW - 9	06/11/20	3975.06	53.10	54.07	0.97	3921.81
MW - 9	09/23/20	3975.06	53.13	54.53	1.40	3921.72
MW - 9	12/04/20	3975.06	53.12	54.75	1.63	3921.70
MW - 9	03/23/21	3975.06	53.10	54.98	1.88	3921.68
MW - 9	06/04/21	3975.06	53.07	55.12	2.05	3921.68
MW - 9	08/12/21	3975.06	53.15	55.31	2.16	3921.59
MW - 9	09/30/21	3975.06	53.36	54.54	1.18	3921.52
MW - 9	12/09/21	3975.06	53.45	53.98	0.53	3921.53
MW - 9	02/17/22	3975.06	53.42	54.18	0.76	3921.53
MW - 9	03/08/22	3975.06	53.46	54.32	0.86	3921.47
MW - 9	05/18/22	3975.06	53.56	54.24	0.68	3921.40
MW - 9	08/09/22	3975.06	53.69	54.15	0.46	3921.30
MW - 9	11/15/22	3975.06	53.70	54.32	0.62	3921.27
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
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

TABLE 7

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	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
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

TABLE 7

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	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
MW - 10	02/18/20	3975.02	-	53.05	0.00	3921.97
MW - 10	05/05/20	3975.02	-	53.09	0.00	3921.93
MW - 10	06/11/20	3975.02	-	53.10	0.00	3921.92
MW - 10	09/23/20	3975.02	-	53.21	0.00	3921.81
MW - 10	12/04/20	3975.02	-	53.24	0.00	3921.78
MW - 10	12/24/20	3975.02	-	53.25	0.00	3921.77

TABLE 7

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	03/23/21	3975.02	-	53.22	0.00	3921.80
MW - 10	06/04/21	3975.02	-	53.26	0.00	3921.76
MW - 10	09/30/21	3975.02	-	53.36	0.00	3921.66
MW - 10	12/09/21	3975.02	-	53.40	0.00	3921.62
MW - 10	03/08/22	3975.02	-	53.41	0.00	3921.61
MW - 10	05/18/22	3975.02	-	53.47	0.00	3921.55
MW - 10	08/09/22	3975.02	-	53.54	0.00	3921.48
MW - 10	11/15/22	3975.02	-	53.56	0.00	3921.46
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

TABLE 7

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	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
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

TABLE 7

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	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
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 - 11	02/18/20	3975.30	-	53.80	0.00	3921.50
MW - 11	05/05/20	3975.30	-	53.83	0.00	3921.47
MW - 11	06/11/20	3975.30	-	53.85	0.00	3921.45
MW - 11	09/23/20	3975.30	-	53.96	0.00	3921.34
MW - 11	12/04/20	3975.30	-	53.99	0.00	3921.31
MW - 11	12/24/20	3975.30	-	54.00	0.00	3921.30
MW - 11	03/23/21	3975.30	-	53.96	0.00	3921.34
MW - 11	06/04/21	3975.30	-	54.01	0.00	3921.29
MW - 11	09/30/21	3975.30	-	54.13	0.00	3921.17
MW - 11	12/09/21	3975.30	-	54.14	0.00	3921.16
MW - 11	02/17/22	3975.30	-	54.15	0.00	3921.15
MW - 11	05/18/22	3975.30	-	54.18	0.00	3921.12
MW - 11	08/08/22	3975.30	-	54.38	0.00	3920.92
MW - 11	11/16/22	3975.30	-	54.22	0.00	3921.08
MW - 12	03/02/00	3974.55	-	52.80	0.00	3921.75

TABLE 7

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	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
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

TABLE 7

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	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
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

TABLE 7

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	07/12/17	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 - 12	02/18/20	3974.55	-	52.75	0.00	3921.80
MW - 12	05/05/20	3974.55	-	52.78	0.00	3921.77
MW - 12	06/11/20	3974.55	-	52.80	0.00	3921.75
MW - 12	09/23/20	3974.55	-	52.92	0.00	3921.63
MW - 12	12/04/20	3974.55	-	52.94	0.00	3921.61
MW - 12	12/24/20	3974.55	-	52.92	0.00	3921.63
MW - 12	03/23/21	3974.55	-	52.93	0.00	3921.62
MW - 12	06/04/21	3974.55	-	52.96	0.00	3921.59
MW - 12	09/30/21	3974.55	-	53.06	0.00	3921.49
MW - 12	12/09/21	3974.55	-	53.08	0.00	3921.47
MW - 12	02/17/22	3974.55	-	53.10	0.00	3921.45
MW - 12	05/16/22	3974.55	-	53.16	0.00	3921.39
MW - 12	08/08/22	3974.55	-	53.22	0.00	3921.33
MW - 12	11/16/22	3974.55	-	53.27	0.00	3921.28
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
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

TABLE 7

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	08/26/02	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
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

TABLE 7

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	03/04/11	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
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

TABLE 7

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	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
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

TABLE 7

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	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
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

TABLE 7

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	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
MW - 13	02/18/20	3975.00	-	53.76	0.00	3921.24
MW - 13	05/05/20	3975.00	-	53.76	0.00	3921.24
MW - 13	06/11/20	3975.00	-	53.80	0.00	3921.20
MW - 13	09/23/20	3975.00	-	53.91	0.00	3921.09
MW - 13	12/04/20	3975.00	-	53.93	0.00	3921.07
MW - 13	03/23/21	3975.00	-	53.90	0.00	3921.10
MW - 13	06/04/21	3975.00	-	53.95	0.00	3921.05

TABLE 7

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	09/30/21	3975.00	-	54.06	0.00	3920.94
MW - 13	12/09/21	3975.00	-	54.10	0.00	3920.90
MW - 13	02/17/22	3975.00	-	54.08	0.00	3920.92
MW - 13	05/17/22	3975.00	-	54.14	0.00	3920.86
MW - 13	08/08/22	3975.00	-	54.24	0.00	3920.76
MW - 13	11/16/22	3975.00	-	54.27	0.00	3920.73
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

TABLE 7

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	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
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

TABLE 7

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	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
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

TABLE 7

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	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
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 - 14	02/18/20	3976.15	-	54.45	0.00	3921.70
MW - 14	05/05/20	3976.15	-	54.46	0.00	3921.69
MW - 14	06/11/20	3976.15	-	54.50	0.00	3921.65
MW - 14	09/23/20	3976.15	-	54.60	0.00	3921.55
MW - 14	12/04/20	3976.15	-	54.62	0.00	3921.53
MW - 14	03/23/21	3976.15	-	54.60	0.00	3921.55
MW - 14	06/04/21	3976.15	-	54.65	0.00	3921.50
MW - 14	09/30/21	3976.15	-	54.78	0.00	3921.37
MW - 14	12/09/21	3976.15	-	54.79	0.00	3921.36
MW - 14	02/17/22	3976.15	-	54.74	0.00	3921.41
MW - 14	03/08/22	3976.15	-	54.79	0.00	3921.36
MW - 14	05/18/22	3976.15	-	54.87	0.00	3921.28
MW - 14	08/09/22	3976.15	-	54.93	0.00	3921.22
MW - 14	11/15/22	3976.15	-	54.96	0.00	3921.19
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

TABLE 7

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	11/28/00	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
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

TABLE 7

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	01/07/10	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
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

TABLE 7

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	01/31/12	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
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

TABLE 7

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	07/26/13	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
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

TABLE 7

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	03/14/14	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
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

TABLE 7

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	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 - 15	02/18/20	3974.69	-	53.28	0.00	3921.41
MW - 15	05/05/20	3974.69	-	53.31	0.00	3921.38
MW - 15	06/11/20	3974.69	-	53.34	0.00	3921.35
MW - 15	09/23/20	3974.69	-	53.45	0.00	3921.24
MW - 15	12/04/20	3974.69	-	53.47	0.00	3921.22
MW - 15	03/23/21	3974.69	-	53.44	0.00	3921.25
MW - 15	06/04/21	3974.69	-	53.51	0.00	3921.18
MW - 15	09/30/21	3974.69	-	53.61	0.00	3921.08
MW - 15	12/09/21	3974.69	-	53.62	0.00	3921.07
MW - 15	02/17/22	3974.69	-	53.63	0.00	3921.06
MW - 15	03/08/22	3974.69	-	53.60	0.00	3921.09
MW - 15	05/18/22	3974.69	-	53.71	0.00	3920.98
MW - 15	08/09/22	3974.69	-	53.79	0.00	3920.90
MW - 15	11/15/22	3974.69	-	53.80	0.00	3920.89
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
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

TABLE 7

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	12/08/08	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
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

TABLE 7

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	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 - 16	02/18/20	3975.12	-	53.30	0.00	3921.82
MW - 16	05/05/20	3975.12	-	53.34	0.00	3921.78
MW - 16	06/11/20	3975.12	-	53.35	0.00	3921.77
MW - 16	09/23/20	3975.12	-	53.44	0.00	3921.68
MW - 16	12/04/20	3975.12	-	53.47	0.00	3921.65
MW - 16	12/24/20	3975.12	-	53.49	0.00	3921.63
MW - 16	03/23/21	3975.12	-	53.47	0.00	3921.65
MW - 16	06/04/21	3975.12	-	53.52	0.00	3921.60
MW - 16	09/30/21	3975.12	-	53.62	0.00	3921.50
MW - 16	12/09/21	3975.12	-	53.67	0.00	3921.45
MW - 16	02/17/22	3975.12	-	53.66	0.00	3921.46
MW - 16	05/16/22	3975.12	-	53.73	0.00	3921.39
MW - 16	08/08/22	3975.12	-	53.78	0.00	3921.34
MW - 16	11/16/22	3975.12	-	53.82	0.00	3921.30
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

TABLE 7

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	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
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	-

TABLE 7

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	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	-
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	-
MW - 18	02/18/20	-	-	54.49	0.00	-
MW - 18	05/05/20	-	-	54.50	0.00	-
MW - 18	06/11/20	-	-	54.54	0.00	-
MW - 18	09/23/20	-	-	54.65	0.00	-
MW - 18	12/04/20	-	-	54.66	0.00	-

TABLE 7

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	03/23/21	-	-	54.63	0.00	-
MW - 18	06/04/21	-	-	54.69	0.00	-
MW - 18	09/30/21	-	-	54.78	0.00	-
MW - 18	12/09/21	-	-	54.81	0.00	-
MW - 18	02/17/22	-	-	54.80	0.00	-
MW - 18	05/17/22	-	-	54.85	0.00	-
MW - 18	08/08/22	-	-	54.96	0.00	-
MW - 18	11/16/22	-	-	55.00	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
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

TABLE 7

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	11/12/03	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
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

TABLE 7

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	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
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

TABLE 7

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	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
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

TABLE 7

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	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
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

TABLE 7

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	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
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

TABLE 7

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	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
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

TABLE 7

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	03/02/10	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
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

TABLE 7

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	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
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

TABLE 7

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	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 - 1	01/08/20	3970.79	48.45	50.49	2.04	3922.03
RW - 1	02/18/20	3970.79	48.49	50.49	2.00	3922.00
RW - 1	05/05/20	3970.79	48.42	50.49	2.07	3922.06
RW - 1	06/11/20	3970.79	48.50	50.99	2.49	3921.92
RW - 1	09/23/20	3970.79	48.53	51.31	2.78	3921.84
RW - 1	12/04/20	3970.79	48.59	51.05	2.46	3921.83
RW - 1	03/23/21	3970.79	48.48	51.50	3.02	3921.86
RW - 1	06/04/21	3970.79	48.46	51.76	3.30	3921.84
RW - 1	09/30/21	3970.79	48.57	51.95	3.38	3921.71
RW - 1	12/09/21	3970.79	48.92	50.28	1.36	3921.67
RW - 1	02/17/22	3970.79	48.60	52.01	3.41	3921.68
RW - 1	05/18/22	3970.79	48.60	52.27	3.67	3921.64
RW - 1	08/09/22	3970.79	48.65	52.60	3.95	3921.55
RW - 1	11/14/22	3970.79	48.88	51.90	3.02	3921.46
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	-
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	-

TABLE 7

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	08/01/12	-	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	-
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	-

TABLE 7

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	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	-
RW - 2	08/19/19	-	53.34	53.43	0.09	-
RW - 2	11/11/19	-	53.34	53.48	0.14	-
RW - 2	01/08/20	-	53.38	53.62	0.24	-
RW - 2	02/18/20	-	53.42	53.63	0.21	-
RW - 2	05/05/20	-	53.37	53.71	0.34	-
RW - 2	06/11/20	-	53.41	53.80	0.39	-
RW - 2	09/23/20	-	53.55	53.61	0.06	-
RW - 2	12/04/20	-	53.57	53.58	0.01	-
RW - 2	03/23/21	-	53.57	53.80	0.23	-
RW - 2	06/04/21	-	53.48	54.27	0.79	-

TABLE 7

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	09/30/21	-	53.53	54.89	1.36	-
RW - 2	12/09/21	-	53.68	54.14	0.46	-
RW - 2	02/17/22	-	53.63	54.39	0.76	-
RW - 2	05/18/22	-	53.56	54.97	1.41	-
RW - 2	08/09/22	-	53.57	55.49	1.92	-
RW - 2	11/14/22	-	53.70	55.53	1.83	-
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	-

TABLE 7

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	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	-
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	-

TABLE 7

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	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	-
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 - 3	01/08/20	-	53.55	55.95	2.40	-
RW - 3	02/18/20	-	53.63	55.94	2.31	-
RW - 3	05/05/20	-	53.59	55.91	2.32	-
RW - 3	06/11/20	-	53.57	56.12	2.55	-
RW - 3	09/23/20	-	53.60	56.63	3.03	-
RW - 3	12/04/20	-	53.61	56.62	3.01	-
RW - 3	03/23/21	-	53.70	56.36	2.66	-
RW - 3	06/04/21	-	53.60	56.89	3.29	-
RW - 3	08/12/21	-	53.65	57.00	3.35	-
RW - 3	09/30/21	-	53.76	56.98	3.22	-
RW - 3	12/09/21	-	54.10	55.23	1.13	-
RW - 3	02/17/22	-	53.85	56.71	2.86	-
RW - 3	05/18/22	-	53.75	57.17	3.42	-
RW - 3	06/30/22	-	53.87	57.09	3.22	-
RW - 3	07/20/22	-	54.00	56.59	2.59	-
RW - 3	07/26/22	-	54.20	55.64	1.44	-
RW - 3	08/09/22	-	54.13	55.87	1.74	-
RW - 3	09/27/22	-	53.98	57.09	3.11	-
RW - 3	10/06/22	-	54.14	56.27	2.13	-
RW - 3	11/14/22	-	54.15	56.36	2.21	-
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	-

TABLE 7

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	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	-
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	-

TABLE 7

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	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	-
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	-
RW - 4	01/08/20	-	53.60	55.92	2.32	-
RW - 4	02/18/20	-	53.93	56.19	2.26	-
RW - 4	05/05/20	-	53.62	56.02	2.40	-
RW - 4	06/11/20	-	53.58	56.24	2.66	-
RW - 4	09/23/20	-	53.64	56.60	2.96	-
RW - 4	12/04/20	-	53.66	56.62	2.96	-
RW - 4	03/23/21	-	53.73	56.42	2.69	-

TABLE 7

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	06/04/21	-	53.60	57.03	3.43	-
RW - 4	08/12/21	-	53.64	57.25	3.61	-
RW - 4	09/30/21	-	53.74	57.24	3.50	-
RW - 4	12/09/21	-	53.95	56.11	2.16	-
RW - 4	02/17/22	-	53.80	57.26	3.46	-
RW - 4	05/18/22	-	53.75	57.48	3.73	-
RW - 4	06/21/22	-	53.82	57.51	3.69	-
RW - 4	06/30/22	-	53.93	57.13	3.20	-
RW - 4	07/20/22	-	53.92	57.32	3.40	-
RW - 4	07/26/22	-	54.06	56.61	2.55	-
RW - 4	08/09/22	-	53.98	56.78	2.80	-
RW - 4	09/23/22	-	53.92	57.48	3.56	-
RW - 4	09/27/22	-	54.10	56.72	2.62	-
RW - 4	10/06/22	-	54.18	56.49	2.31	-
RW - 4	11/14/22	-	54.07	57.09	3.02	-

TABLE 8

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 8

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 8

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 - 2	02/18/20	Not Sampled Due to PSH in Well				
MW - 2	06/11/20	Not Sampled Due to PSH in Well				
MW - 2	09/23/20	Not Sampled Due to PSH in Well				
MW - 2	12/04/20	Not Sampled Due to PSH in Well				
MW - 2	03/23/21	Not Sampled Due to PSH in Well				
MW - 2	06/04/21	Not Sampled Due to PSH in Well				
MW - 2	09/30/21	Not Sampled Due to PSH in Well				
MW - 2	12/09/21	0.224	0.00297	0.116	0.485	
MW - 2	02/17/22	Not Sampled Due to PSH in Well				
MW - 2	05/18/22	Not Sampled Due to PSH in Well				
MW - 2	08/09/22	Not Sampled Due to PSH in Well				
MW - 2	11/14/22	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				

TABLE 8

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	11/25/09	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				
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				

TABLE 8

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	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 - 3	02/18/20	Not Sampled Due to PSH in Well				
MW - 3	06/11/20	Not Sampled Due to PSH in Well				
MW - 3	09/23/20	Not Sampled Due to PSH in Well				
MW - 3	12/04/20	Not Sampled Due to PSH in Well				
MW - 3	03/23/21	Not Sampled Due to PSH in Well				
MW - 3	06/04/21	Not Sampled Due to PSH in Well				
MW - 3	09/30/21	Not Sampled Due to PSH in Well				
MW - 3	12/09/21	0.784	0.00235	0.217	0.37015	
MW - 3	02/17/22	Not Sampled Due to PSH in Well				
MW - 3	05/18/22	Not Sampled Due to PSH in Well				
MW - 3	08/09/22	Not Sampled Due to PSH in Well				
MW - 3	11/14/22	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				
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	

TABLE 8

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	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				
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	

TABLE 8

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	11/11/19	0.166	0.233	0.327	1.114	
MW - 4	02/18/20	Not Sampled Due to PSH in Well				
MW - 4	06/11/20	Not Sampled Due to PSH in Well				
MW - 4	09/23/20	Not Sampled Due to PSH in Well				
MW - 4	12/04/20	Not Sampled Due to PSH in Well				
MW - 4	03/23/21	Not Sampled Due to PSH in Well				
MW - 4	06/04/21	Not Sampled Due to PSH in Well				
MW - 4	09/30/21	Not Sampled Due to PSH in Well				
MW - 4	12/09/21	0.0108	0.00861	0.054	0.2025	
MW - 4	02/17/22	Not Sampled Due to PSH in Well				
MW - 4	05/18/22	Not Sampled Due to PSH in Well				
MW - 4	08/09/22	Not Sampled Due to PSH in Well				
MW - 4	11/14/22	Not Sampled Due to PSH in Well				
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				
MW - 5	08/16/10	Not Sampled Due to PSH in Well				
MW - 5	11/10/10	Not Sampled Due to PSH in Well				

TABLE 8

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	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				
MW - 5	11/11/19	Not Sampled Due to PSH in Well				
MW - 5	02/18/20	Not Sampled Due to PSH in Well				

TABLE 8

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	06/11/20	Not Sampled Due to PSH in Well				
MW - 5	09/23/20	Not Sampled Due to PSH in Well				
MW - 5	12/04/20	Not Sampled Due to PSH in Well				
MW - 5	03/23/21	Not Sampled Due to PSH in Well				
MW - 5	06/04/21	Not Sampled Due to PSH in Well				
MW - 5	09/30/21	Not Sampled Due to PSH in Well				
MW - 5	12/09/21	8.13	2.12	0.643	1.238	
MW - 5	02/17/22	Not Sampled Due to PSH in Well				
MW - 5	03/08/22	6.80	1.96	0.847	1.529	
MW - 5	05/18/22	8.63	3.46	1.08	2.317	
MW - 5	08/09/22	6.91	1.80	0.712	1.357	
MW - 5	11/15/22	5.93	2.50	0.832	1.543	
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	

TABLE 8

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	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				
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 - 6	02/18/20	Not Sampled Due to PSH in Well				
MW - 6	06/11/20	Not Sampled Due to PSH in Well				
MW - 6	09/23/20	Not Sampled Due to PSH in Well				

TABLE 8

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	12/04/20	Not Sampled Due to PSH in Well				
MW - 6	03/23/21	Not Sampled Due to PSH in Well				
MW - 6	06/04/21	Not Sampled Due to PSH in Well				
MW - 6	09/30/21	Not Sampled Due to PSH in Well				
MW - 6	12/09/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 6	02/17/22	Not Sampled Due to PSH in Well				
MW - 6	03/08/22	0.265	0.00128	0.0133	0.01638	
MW - 6	05/18/22	0.316	0.00307	0.0212	0.02664	
MW - 6	08/09/22	0.239	0.00327	0.0242	0.04975	
MW - 6	11/15/22	0.207	0.00565	0.00878	0.02245	
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
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				

TABLE 8

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	05/29/07	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				
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				

TABLE 8

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	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 - 7	02/18/20	Not Sampled on Current Sample Schedule				
MW - 7	06/11/20	Not Sampled on Current Sample Schedule				
MW - 7	09/23/20	Not Sampled on Current Sample Schedule				
MW - 7	12/24/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 7	03/23/21	Not Sampled on Current Sample Schedule				
MW - 7	06/04/21	Not Sampled on Current Sample Schedule				
MW - 7	09/30/21	Not Sampled on Current Sample Schedule				
MW - 7	12/09/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 7	02/17/22	Not Sampled on Current Sample Schedule				
MW - 7	05/16/22	Not Sampled on Current Sample Schedule				
MW - 7	08/08/22	Not Sampled on Current Sample Schedule				
MW - 7	11/16/22	<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
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

TABLE 8

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 - 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				
MW - 9	05/12/11	Not Sampled Due to PSH in Well				
MW - 9	08/15/11	Not Sampled Due to PSH in Well				

TABLE 8

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	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 - 9	02/18/20	Not Sampled Due to PSH in Well				
MW - 9	06/11/20	Not Sampled Due to PSH in Well				
MW - 9	09/23/20	Not Sampled Due to PSH in Well				
MW - 9	12/04/20	Not Sampled Due to PSH in Well				
MW - 9	03/23/21	Not Sampled Due to PSH in Well				

TABLE 8

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	06/04/21	Not Sampled Due to PSH in Well				
MW - 9	09/30/21	Not Sampled Due to PSH in Well				
MW - 9	12/09/21	0.0141	0.0444	0.120	0.507	
MW - 9	02/17/22	Not Sampled Due to PSH in Well				
MW - 9	03/08/22	0.0166	0.0302	0.0738	0.2932	
MW - 9	05/18/22	0.0146	0.0817	0.218	0.959	
MW - 9	08/09/22	0.0139	0.0435	0.200	0.740	
MW - 9	11/15/22	0.0195	0.0346	0.179	0.577	
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
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				

TABLE 8

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	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				
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				

TABLE 8

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	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	
MW - 10	02/18/20	Not Sampled on Current Sample Schedule				
MW - 10	06/11/20	Not Sampled on Current Sample Schedule				
MW - 10	09/23/20	Not Sampled on Current Sample Schedule				
MW - 10	12/24/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 10	03/23/21	Not Sampled on Current Sample Schedule				
MW - 10	06/04/21	Not Sampled on Current Sample Schedule				
MW - 10	09/30/21	Not Sampled on Current Sample Schedule				
MW - 10	12/09/21	<0.00100	<0.00100	0.00392	0.00298	
MW - 10	02/17/22	Not Sampled on Current Sample Schedule				
MW - 10	03/08/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 10	05/18/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 10	08/09/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 10	11/15/22	<0.00100	<0.00100	<0.00100	0.00258	
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

TABLE 8

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	05/07/03	<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				
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				

TABLE 8

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	11/29/12	<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				
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 - 11	02/18/20	Not Sampled on Current Sample Schedule				
MW - 11	06/11/20	Not Sampled on Current Sample Schedule				
MW - 11	09/23/20	Not Sampled on Current Sample Schedule				
MW - 11	12/24/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 11	03/23/21	Not Sampled on Current Sample Schedule				
MW - 11	06/04/21	Not Sampled on Current Sample Schedule				
MW - 11	09/30/21	Not Sampled on Current Sample Schedule				
MW - 11	12/09/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 11	02/17/22	Not Sampled on Current Sample Schedule				

TABLE 8

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	05/16/22	Not Sampled on Current Sample Schedule				
MW - 11	08/08/22	Not Sampled on Current Sample Schedule				
MW - 11	11/16/22	<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				
MW - 12	09/04/08	Not Sampled on Current Sample Schedule				
MW - 12	12/08/08	<0.001	<0.001	<0.001	0.007	

TABLE 8

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	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				
MW - 12	11/28/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 12	02/26/18	Not Sampled on Current Sample Schedule				

TABLE 8

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	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 - 12	02/18/20	Not Sampled on Current Sample Schedule				
MW - 12	06/11/20	Not Sampled on Current Sample Schedule				
MW - 12	09/23/20	Not Sampled on Current Sample Schedule				
MW - 12	12/24/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 12	03/23/21	Not Sampled on Current Sample Schedule				
MW - 12	06/04/21	Not Sampled on Current Sample Schedule				
MW - 12	09/30/21	Not Sampled on Current Sample Schedule				
MW - 12	12/09/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 12	02/17/22	Not Sampled on Current Sample Schedule				
MW - 12	05/16/22	Not Sampled on Current Sample Schedule				
MW - 12	08/08/22	Not Sampled on Current Sample Schedule				
MW - 12	11/16/22	<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

TABLE 8

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 - 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	
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	

TABLE 8

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	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	
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 - 13	02/18/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 13	06/11/20	<0.000500	<0.00100	<0.00100	<0.00200	
MW - 13	09/23/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 13	12/04/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 13	03/23/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 13	06/04/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 13	09/30/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 13	12/09/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 13	02/17/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 13	05/17/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 13	08/08/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 13	11/16/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 14	03/02/00	0.141	0.032	0.056	0.038	0.008

TABLE 8

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	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	
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	

TABLE 8

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	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	
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	

TABLE 8

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	11/11/19	<0.00100	<0.00100	0.00111	0.00665	
MW - 14	02/18/20	<0.00100	<0.00100	<0.00100	0.00398	
MW - 14	06/11/20	0.00194	0.00180	0.00198	0.00523	
MW - 14	09/23/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 14	12/04/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 14	03/23/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 14	06/04/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 14	09/30/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 14	12/09/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 14	02/17/22	<0.00100	<0.00100	<0.00100	0.00218	
MW - 14	03/08/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 14	05/16/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 14	08/09/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 14	11/15/22	<0.00100	<0.00100	<0.00100	<0.00200	
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	
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	

TABLE 8

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 - 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	
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	

TABLE 8

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 - 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 - 15	02/18/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 15	06/11/20	<0.000500	<0.00100	<0.00100	<0.00200	
MW - 15	09/23/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 15	12/04/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 15	03/23/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 15	06/04/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 15	09/30/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 15	12/09/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 15	02/17/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 15	03/08/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 15	05/18/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 15	08/09/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 15	11/15/22	<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

TABLE 8

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	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	
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	

TABLE 8

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	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				
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 - 16	02/18/20	Not Sampled on Current Sample Schedule				
MW - 16	06/11/20	Not Sampled on Current Sample Schedule				
MW - 16	09/23/20	Not Sampled on Current Sample Schedule				
MW - 16	12/24/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 16	03/23/21	Not Sampled on Current Sample Schedule				
MW - 16	06/04/21	Not Sampled on Current Sample Schedule				
MW - 16	09/30/21	Not Sampled on Current Sample Schedule				
MW - 16	12/09/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 16	02/17/22	Not Sampled on Current Sample Schedule				
MW - 16	05/16/22	Not Sampled on Current Sample Schedule				
MW - 16	08/08/22	Not Sampled on Current Sample Schedule				
MW - 16	11/16/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 17	01/10/03	<0.001	<0.001	<0.001	<0.001	<0.001

TABLE 8

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 - 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	
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	

TABLE 8

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 - 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	
MW - 18	02/18/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 18	06/11/20	<0.000500	<0.00100	<0.00100	<0.00200	
MW - 18	09/23/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 18	12/04/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 18	03/23/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 18	06/04/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 18	09/30/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 18	12/09/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 18	02/17/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 18	05/17/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 18	08/08/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 18	11/16/22	<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				
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				

TABLE 8

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	09/27/06	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				
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				

TABLE 8

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	02/24/16	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 - 1	02/18/20	Not Sampled Due to PSH in Well				
RW - 1	06/11/20	Not Sampled Due to PSH in Well				
RW - 1	09/23/20	Not Sampled Due to PSH in Well				
RW - 1	12/04/20	Not Sampled Due to PSH in Well				
RW - 1	03/23/21	Not Sampled Due to PSH in Well				
RW - 1	06/04/21	Not Sampled Due to PSH in Well				
RW - 1	09/30/21	Not Sampled Due to PSH in Well				
RW - 1	12/09/21	6.25	0.306	0.598	1.536	
RW - 1	02/17/22	Not Sampled Due to PSH in Well				
RW - 1	05/18/22	Not Sampled Due to PSH in Well				
RW - 1	08/09/22	Not Sampled Due to PSH in Well				
RW - 1	11/14/22	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				

TABLE 8

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	11/29/12	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				
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 - 2	02/18/20	Not Sampled Due to PSH in Well				
RW - 2	06/11/20	Not Sampled Due to PSH in Well				
RW - 2	09/23/20	Not Sampled Due to PSH in Well				
RW - 2	12/04/20	Not Sampled Due to PSH in Well				
RW - 2	03/23/21	Not Sampled Due to PSH in Well				
RW - 2	06/04/21	Not Sampled Due to PSH in Well				
RW - 2	09/30/21	Not Sampled Due to PSH in Well				
RW - 2	12/09/21	3.43	0.00346	0.215	0.261	
RW - 2	02/17/22	Not Sampled Due to PSH in Well				

TABLE 8

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	05/18/22	Not Sampled Due to PSH in Well				
RW - 2	08/09/22	Not Sampled Due to PSH in Well				
RW - 2	11/14/22	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				
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				

TABLE 8

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	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 - 3	02/18/20	Not Sampled Due to PSH in Well				
RW - 3	06/11/20	Not Sampled Due to PSH in Well				
RW - 3	09/23/20	Not Sampled Due to PSH in Well				
RW - 3	12/04/20	Not Sampled Due to PSH in Well				
RW - 3	03/23/21	Not Sampled Due to PSH in Well				
RW - 3	06/04/21	Not Sampled Due to PSH in Well				
RW - 3	09/30/21	Not Sampled Due to PSH in Well				
RW - 3	12/09/21	18.8	0.0236	2.17	5.007	
RW - 3	02/17/22	Not Sampled Due to PSH in Well				
RW - 3	05/18/22	Not Sampled Due to PSH in Well				
RW - 3	08/09/22	Not Sampled Due to PSH in Well				
RW - 3	11/14/22	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				
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				

TABLE 8

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	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				
RW - 4	02/18/20	Not Sampled Due to PSH in Well				
RW - 4	06/11/20	Not Sampled Due to PSH in Well				
RW - 4	09/23/20	Not Sampled Due to PSH in Well				
RW - 4	12/04/20	Not Sampled Due to PSH in Well				
RW - 4	03/23/21	Not Sampled Due to PSH in Well				
RW - 4	06/04/21	Not Sampled Due to PSH in Well				
RW - 4	09/30/21	Not Sampled Due to PSH in Well				
RW - 4	12/09/21	12.1	0.0204	1.35	2.554	
RW - 4	02/17/22	Not Sampled Due to PSH in Well				
RW - 4	05/18/22	Not Sampled Due to PSH in Well				
RW - 4	08/09/22	Not Sampled Due to PSH in Well				
RW - 4	11/14/22	Not Sampled Due to PSH in Well				

TABLE 9

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[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	0.0109	<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	0.0276	<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-2	12/04/20	Not Sampled due to the presence of PSH.																	
MW-2	12/09/21	0.0024	0.00030	0.00020	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.00026	0.0024	<0.00010	0.0043	<0.00010	0.029			0.0035
MW-2	11/15/22	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	0.00578	<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	0.788	<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-3	12/04/20	Not Sampled due to the presence of PSH.																	
MW-3	12/09/21	0.00088	0.00014	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.0018	<0.00010	0.0018	<0.00010	0.0411			0.0022
MW-3	11/15/22	Not Sampled due to the presence of PSH.																	

TABLE 9

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[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	0.03 mg/L		---		
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	0.0039	<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	0.0143	<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	0.00338	<0.000184	0.00404	<0.000184	0.0279	0.035	0.0188	0.00247	
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-4	12/04/20	Not Sampled due to the presence of PSH.																		
MW-4	12/09/21	0.0013	0.00015	0.00011	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.00011	0.0016	<0.00010	0.0031	<0.00010	0.0187		0.0028		
MW-4	11/15/22	Not Sampled due to the presence of PSH.																		
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-5	12/04/20	Not Sampled due to the presence of PSH.																		
MW-5	12/09/21	0.0011	0.00015	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.0022	<0.00010	0.0020	<0.00010	0.089		0.0031		
MW-5	11/15/22	0.00046	0.00053	0.00050	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.00053	<0.00010	<0.00010	0.0072	<0.00010	0.0064	<0.00010	0.238			

TABLE 9

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	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	<0.000922	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	<0.000190	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.																		
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-6	12/04/20	Not Sampled due to the presence of PSH.																		
MW-6	12/09/21	0.00064	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	0.00055	<0.00011	0.00021	<0.00011	0.0020			0.00061
MW-6	11/15/22	0.0054	0.0023	0.00092	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.0020	<0.00010	<0.00010	0.0016	<0.00010	0.0015	<0.00010	0.0131			
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-7	12/04/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-7	12/09/21	Not Sampled as part of Quarterly Monitoring Event.																		
MW-7	11/16/22	Not Sampled as part of Quarterly Monitoring Event.																		

TABLE 9

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[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	12/10/08	<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	0.0250	<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.																	
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-9	12/04/20	Not Sampled due to the presence of PSH.																	
MW-9	12/09/21	0.0023	0.00033	0.00030	0.0023	<0.00010	<0.00010	<0.00010	<0.00010	0.00038	<0.00010	<0.00010	0.0051	<0.00010	0.0059	<0.00010	0.047		0.0049
MW-9	11/15/22	0.00012	0.00019	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.0030	<0.00010	0.0033	<0.00010	0.103		-
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-10	12/04/20	Not Sampled as part of Quarterly Monitoring Event.																	
MW-10	12/09/21	Not Sampled as part of Quarterly Monitoring Event.																	
MW-10	11/15/22	Not Sampled as part of Quarterly Monitoring Event.																	

TABLE 9

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-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	
	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	
	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.																	
MW-11	12/04/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-11	12/09/21	Not Sampled as part of Quarterly Monitoring Event.																		
MW-11	11/16/22	Not Sampled as part of Quarterly Monitoring Event.																		
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-12	12/04/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	12/09/21	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	11/16/22	Not Sampled as part of Quarterly Monitoring Event.																		

TABLE 9

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-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-13	12/04/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	12/09/21	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	11/16/22	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.																		
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-14	12/04/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-14	12/09/21	Not Sampled as part of Quarterly Monitoring Event.																		
MW-14	11/15/22	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

TABLE 9

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-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-15	12/04/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-15	12/09/21	Not Sampled as part of Quarterly Monitoring Event.																		
MW-15	11/15/22	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.																		
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-16	12/04/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-16	12/09/21	Not Sampled as part of Quarterly Monitoring Event.																		
MW-16	11/16/22	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	<0.000184
MW-18	11/10/10	Not Sampled as part of Quarterly Monitoring Event.																		

TABLE 9

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-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.																		
MW-18	12/04/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-18	12/09/21	Not Sampled as part of Quarterly Monitoring Event.																		
MW-18	11/16/22	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-1	12/04/20	Not Sampled due to the presence of PSH.																		
RW-1	12/09/21	0.0017	0.00022	0.00023	0.00088	<0.00010	<0.00010	<0.00010	<0.00010	0.00028	<0.00010	<0.00010	0.0043	<0.00010	0.0090	<0.00010	0.189			0.0049
RW-1	11/14/22	Not Sampled due to the presence of PSH.																		
RW-2	11/10/10	Not Sampled due to the presence of PSH.																		
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.																		

TABLE 9

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
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	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-2	12/04/20	Not Sampled due to the presence of PSH.																	
RW-2	12/09/21	0.00069	0.00011	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.0014	<0.00010	0.0021	<0.00010	0.060		0.0017
RW-2	11/14/22	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-3	12/04/20	Not Sampled due to the presence of PSH.																	
RW-3	12/09/21	0.017	0.0036	0.0019	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.013	<0.0010	0.015	<0.0010	0.237		0.011
RW-3	11/14/22	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 9

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-4	12/04/20	Not Sampled due to the presence of PSH.																		
RW-4	12/09/21	0.021	0.0088	0.019	0.011	<0.0010	<0.0010	<0.0010	<0.0010	0.0052	<0.0010	0.0047	0.046	<0.0010	0.14	<0.0010	2.13			0.044
RW-4	11/14/22	Not Sampled due to the presence of PSH.																		

TABLE 10

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	Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.																
		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
		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	-	-	-	-	-	-	-	-	-

TABLE 10

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	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
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
Post-Metals	02/28/20	0.0138	0.141	<0.00800	0.0205	0.172	0.106	<0.00800	<0.0080	0.00934	0.373	<0.00800	<0.00800	<0.000250	0.00999	<0.00800	<0.00800	<0.00800

TABLE 10

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	Air water concentrations are reported in mg/L																
		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-Metals	03/25/20	<0.0200	0.175	<0.00800	0.0146	0.205	0.123	<0.00800	<0.0080	<0.00800	0.258	<0.00800	<0.00800	<0.000250	<0.00800	<0.00800	<0.00800	0.0318
Post-Metals	05/26/20	0.0194	0.107	<0.00500	<0.00200	<0.200	0.0766	<0.00500	<0.00200	0.00710	0.217	<0.00200	<0.00400	<0.0000800	<0.00200	0.00227	<0.00200	0.00749
Post-Metals	06/18/20	0.0197	0.0975	<0.00200	<0.00200	<0.00200	0.0513	<0.00500	<0.00200	0.00674	0.244	<0.00200	<0.00400	<0.000200	<0.00200	0.00210	<0.00200	0.00474
Post-Metals	07/14/20	<0.0550	0.176	<0.00800	0.00636	0.260	0.0210	0.00255	<0.0080	0.0110	0.319	<0.00800	<0.0200	<0.000250	0.00864	<0.00400	<0.00800	0.0165
Post-Metals	08/25/20	<0.0550	0.114	<0.00200	0.0241	0.443	0.0856	0.00348	<0.0060	0.00818	0.631	<0.00100	<0.0910	<0.000250	<0.0110	<0.00400	<0.00500	0.0151
Post-Metals	09/29/20	<0.0550	0.234	<0.00800	0.00485	0.0462	0.183	<0.00800	<0.0080	0.00877	0.303	<0.00800	<0.00800	<0.000250	0.00802	<0.00800	<0.00800	0.0131
Post-Metals	11/03/20	<0.0200	0.150	<0.00800	0.0208	1.03	0.261	<0.00800	<0.0080	0.00665	0.294	<0.00800	<0.00800	<0.000250	0.0113	0.00342	<0.00800	0.555
Post-Metals	11/17/20	<0.0400	0.170	<0.00800	0.0141	0.249	0.0939	0.00371	<0.0080	0.00742	0.288	<0.00800	<0.0200	<0.000250	0.0156	<0.00800	<0.00800	0.0326
Post-Metals	01/27/21	<0.00800	0.137	<0.00800	<0.00800	0.133	0.123	<0.00800	<0.0080	<0.00800	0.260	<0.00800	<0.00800	<0.000250	0.015	<0.00800	<0.00800	0.0191
Post-Metals	11/11/22	0.0197	0.0395	<0.00400	0.147	1.55	0.119	<0.00500	0.0102	0.0156	0.109	<0.00200	<0.00500	<0.000200	<0.00200	<0.00200	<0.00200	0.245

*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

N/A - Laboratory failed to complete the analysis on the eight RCRA metals

TABLE 11

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

TABLE 11

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
04/30/14	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
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

TABLE 11

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
09/11/17	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
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
04/22/19	Post Carbon	<0.00100	<0.0100	<0.0100	<0.00200
07/09/19	Post Carbon	<0.00100	<0.0100	<0.0100	<0.00200
01/23/20	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00200
02/28/20	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00200
03/25/20	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00200
05/26/20	Post Carbon	<0.00100	<0.00500	<0.00500	<0.00500
06/18/20	Post Carbon	<0.00100	<0.00500	<0.00500	<0.00500
07/14/20	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00200
08/25/20	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00200
09/29/20	Post Carbon	0.00189	<0.00100	<0.00100	<0.00200
11/03/20	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00200
11/17/20	Post Carbon	0.00230	<0.00100	<0.00100	<0.00200
01/27/21	Post Carbon	0.06440	0.0126	0.0194	0.0582
11/11/22	Post Carbon	<0.00100	<0.00100	<0.00100	<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

TABLE 11

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

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 12

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	
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 12

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	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	

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

EPA SW846-8270C, 3510																				
SAMPLE LOCATION	SAMPLE DATE	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 12

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	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	
Post Carbon	01/23/20	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099		<0.000099	
Post Carbon	02/28/20	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097		<0.000097	
Post Carbon	03/25/20	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098		<0.000098	
Post Carbon	05/26/20	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099		<0.000099	
Post Carbon	06/18/20	<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	07/14/20	<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	08/25/20	<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	09/29/20	<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	11/17/20	<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	11/17/20	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099		<0.000099	
Post Carbon	01/27/21	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	0.0050		<0.000099	

TABLE 12

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
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	11/11/22	<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	0.00049		<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.

TABLE 13

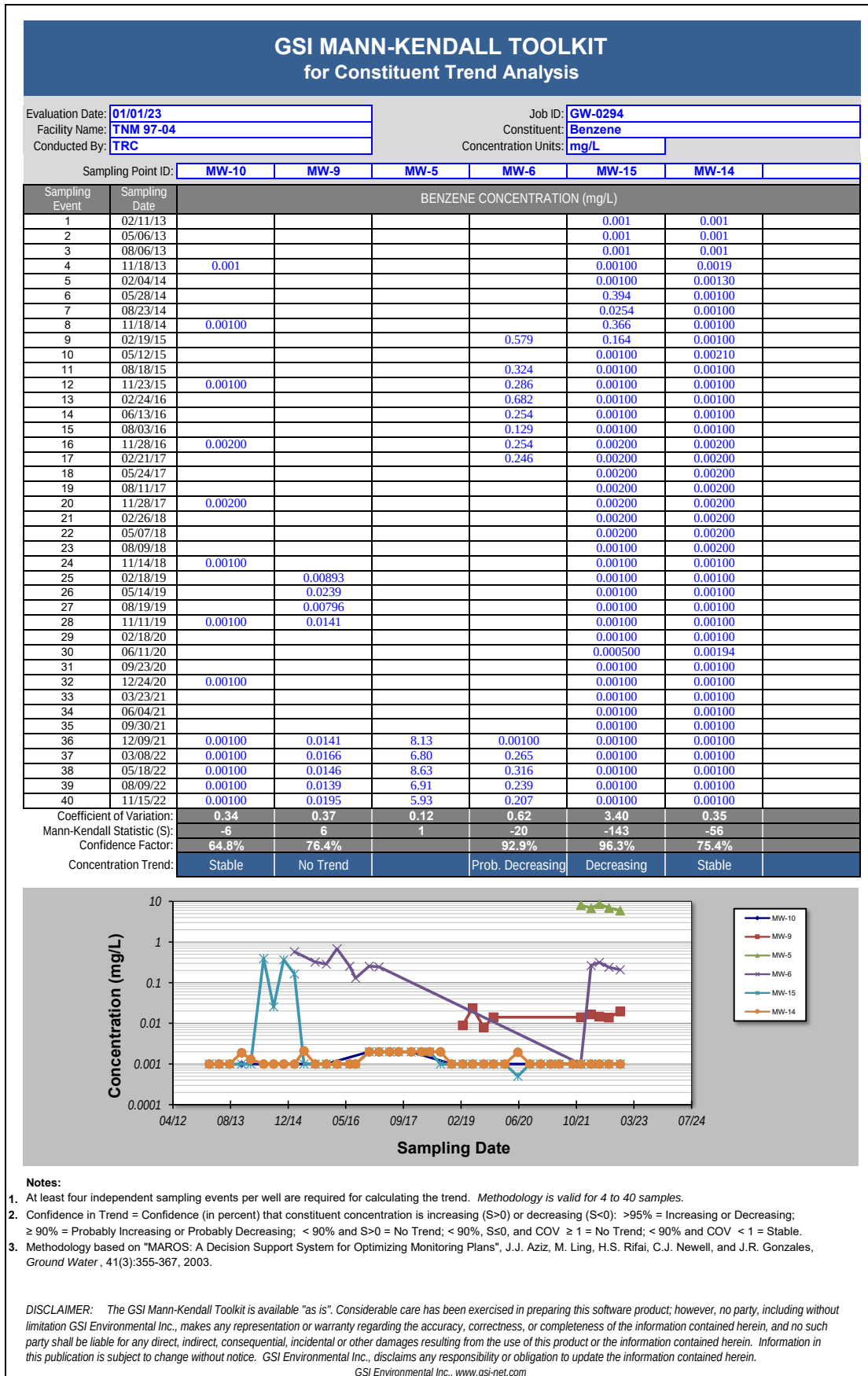


TABLE 14

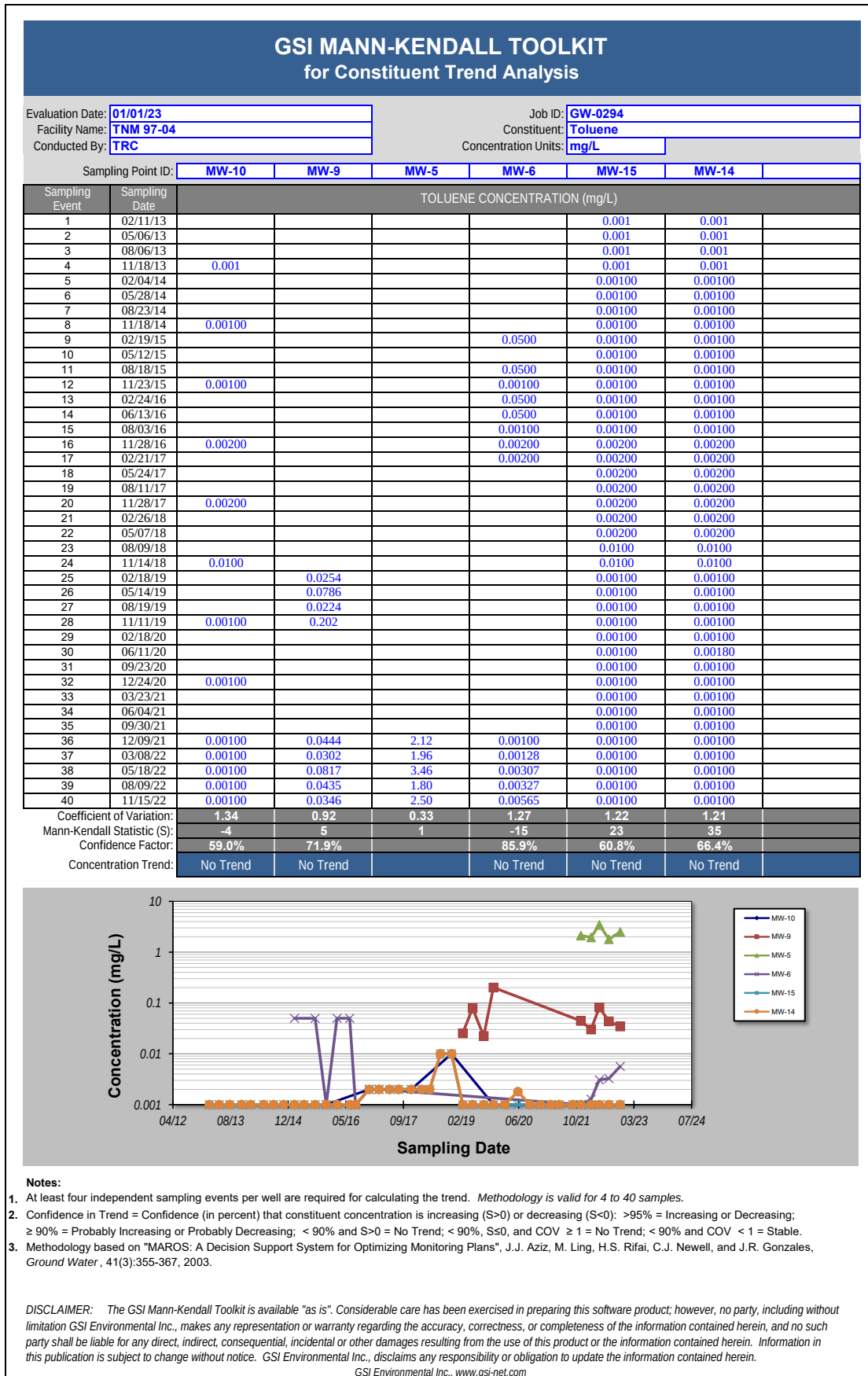


TABLE 15

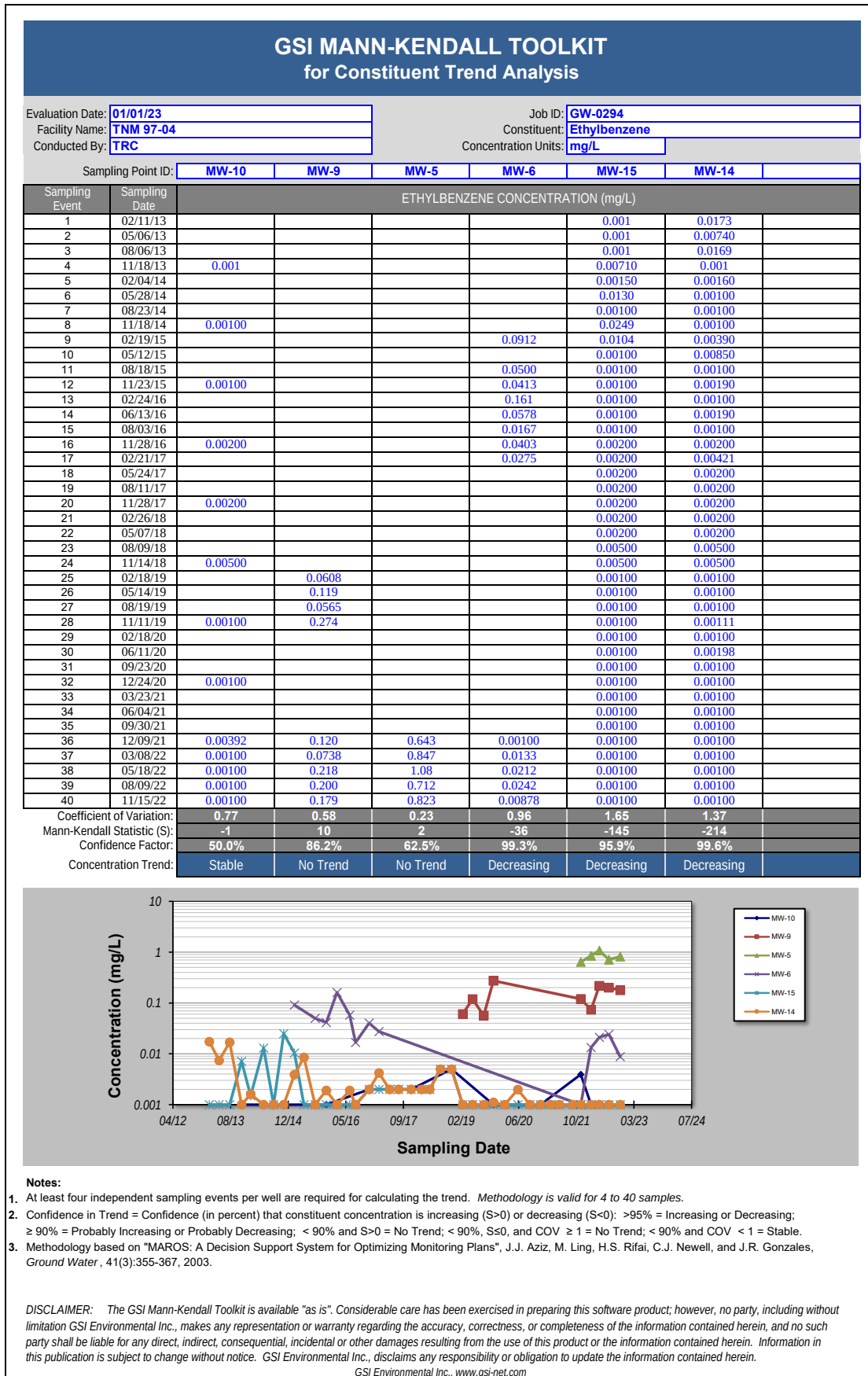


TABLE 16

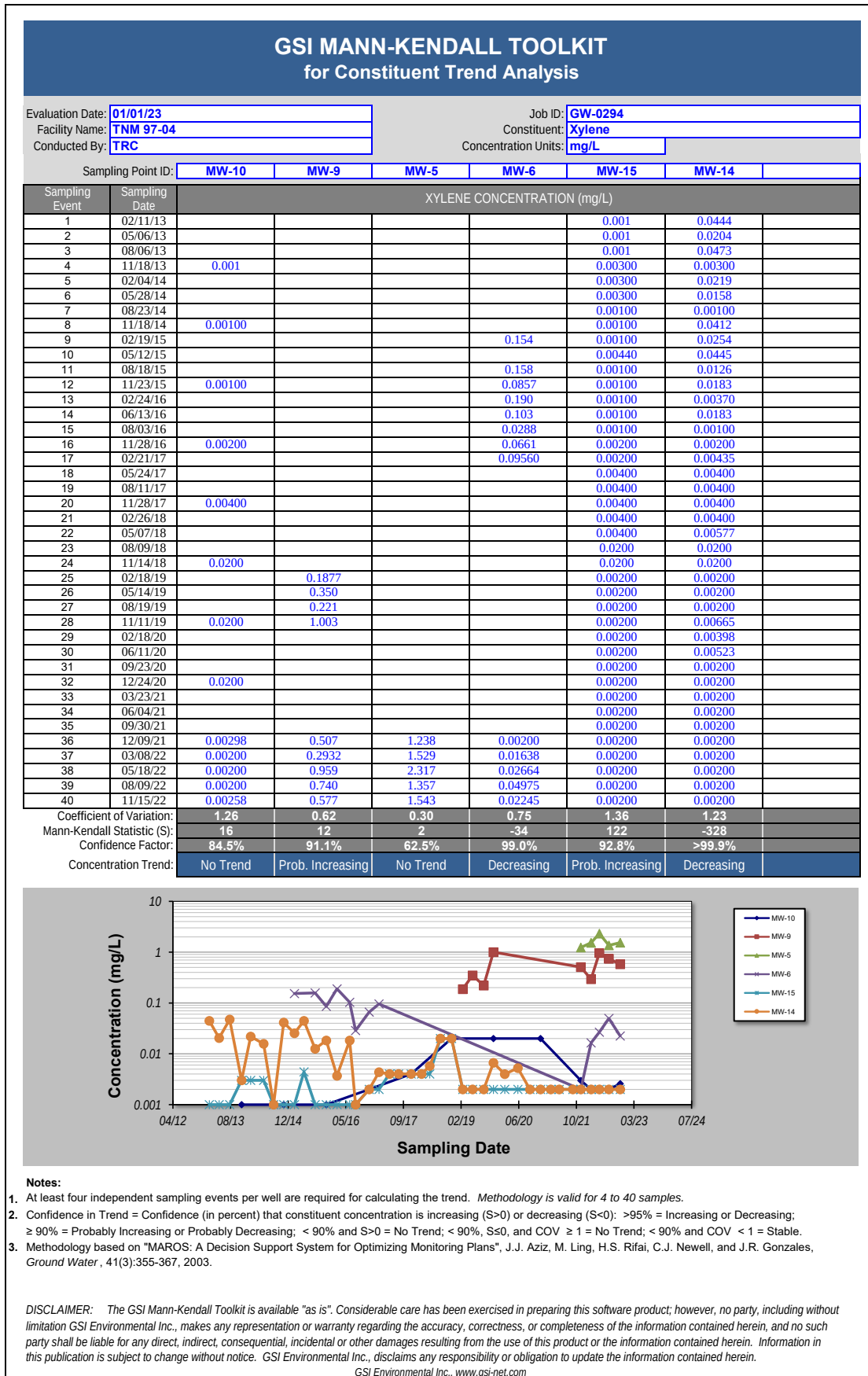
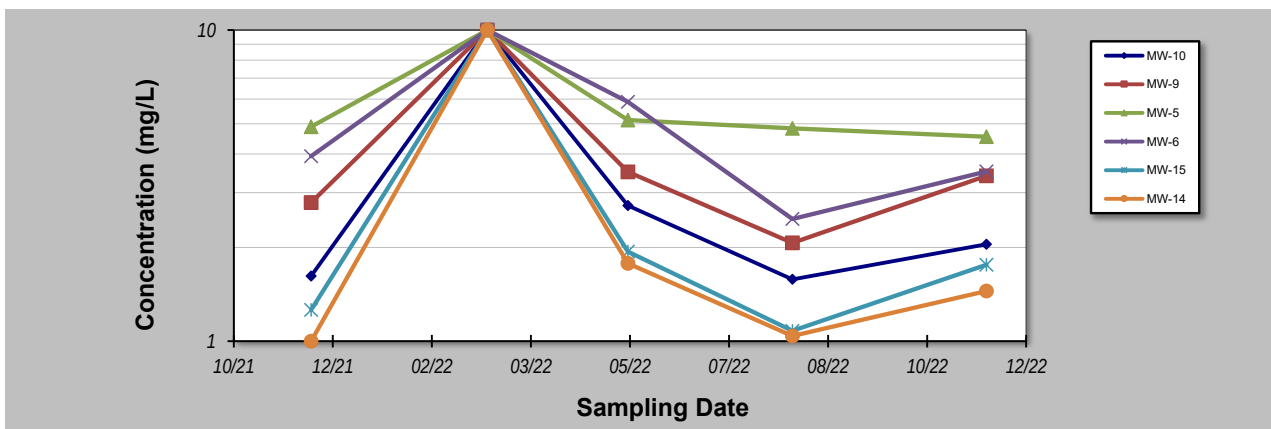


TABLE 17

GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date:	01/01/23			Job ID:	GW-0294			
Facility Name:	TNM 97-04			Constituent:	Total Organic Carbon (TOC)			
Conducted By:	TRC			Concentration Units:	mg/L			
Sampling Point ID:	MW-10	MW-9	MW-5	MW-6	MW-15	MW-14		
Sampling Event	Sampling Date	TOTAL ORGANIC CARBON (TOC) CONCENTRATION (mg/L)						
1	12/09/21	1.62	2.79	4.89	3.93	1.26	1.00	
2	03/08/22	10.0	10.0	10.0	10.0	10.0	10.0	
3	05/18/22	2.73	3.50	5.14	5.88	1.94	1.78	
4	08/09/22	1.58	2.07	4.83	2.47	1.08	1.04	
5	11/15/22	2.05	3.40	4.54	3.51	1.76	1.45	
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:	1.00	0.74	0.39	0.58	1.19	1.28		
Mann-Kendall Statistic (S):	-2	-2	-6	-4	-2	0		
Confidence Factor:	59.2%	59.2%	88.3%	75.8%	59.2%	40.8%		
Concentration Trend:	No Trend	Stable	Stable	Stable	No Trend	No Trend		

**Notes:**

- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing ($S > 0$) or decreasing ($S < 0$): $> 95\%$ = Increasing or Decreasing; $\geq 90\%$ = Probably Increasing or Probably Decreasing; $< 90\%$ and $S > 0$ = No Trend; $< 90\%$, $S \leq 0$, and $COV \geq 1$ = No Trend; $< 90\%$ and $COV < 1$ = Stable.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

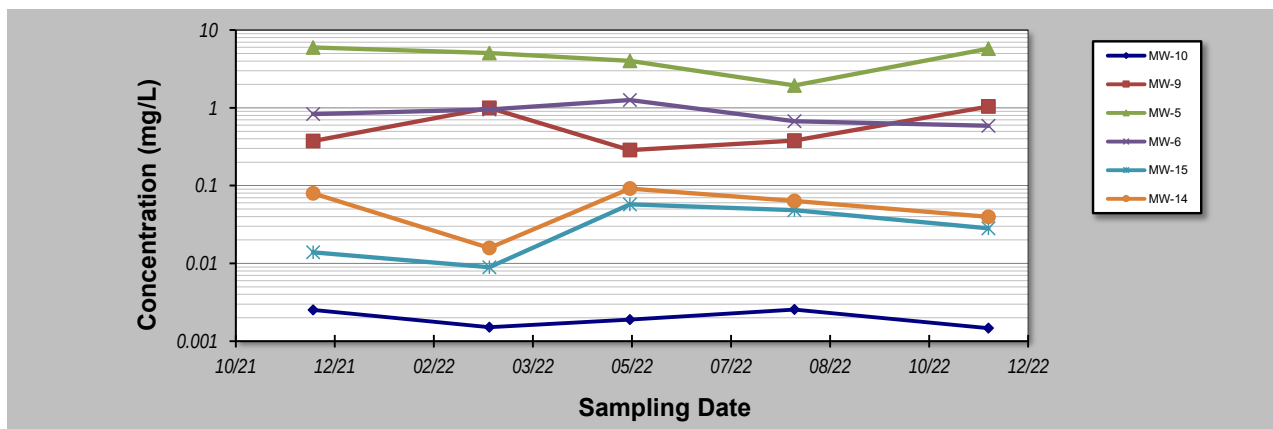
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TABLE 18

GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date:	01/01/23			Job ID:	GW-0294			
Facility Name:	TNM 97-04			Constituent:	Dissolved methane (RSK-175)			
Conducted By:	TRC			Concentration Units:	mg/L			
Sampling Point ID:	MW-10	MW-9	MW-5	MW-6	MW-15	MW-14		
Sampling Event	Sampling Date	DISSOLVED METHANE (RSK-175) CONCENTRATION (mg/L)						
1	12/09/21	0.00253	0.373	5.97	0.832	0.0139	0.0796	
2	03/08/22	0.00151	1.00	5.05	0.950	0.00893	0.0158	
3	05/18/22	0.00189	0.286	4.01	1.26	0.0575	0.0916	
4	08/09/22	0.00255	0.380	1.94	0.672	0.0485	0.0635	
5	11/15/22	0.00147	1.04	5.76	0.588	0.0283	0.0398	
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:	0.27	0.60	0.36	0.31	0.67	0.53		
Mann-Kendall Statistic (S):	-2	4	-4	-4	2	-2		
Confidence Factor:	59.2%	75.8%	75.8%	75.8%	59.2%	59.2%		
Concentration Trend:	Stable	No Trend	Stable	Stable	No Trend	Stable		

**Notes:**

- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing ($S > 0$) or decreasing ($S < 0$): $> 95\%$ = Increasing or Decreasing; $\geq 90\%$ = Probably Increasing or Probably Decreasing; $< 90\%$ and $S > 0$ = No Trend; $< 90\%$, $S \leq 0$, and $COV \geq 1$ = No Trend; $< 90\%$ and $COV < 1$ = Stable.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

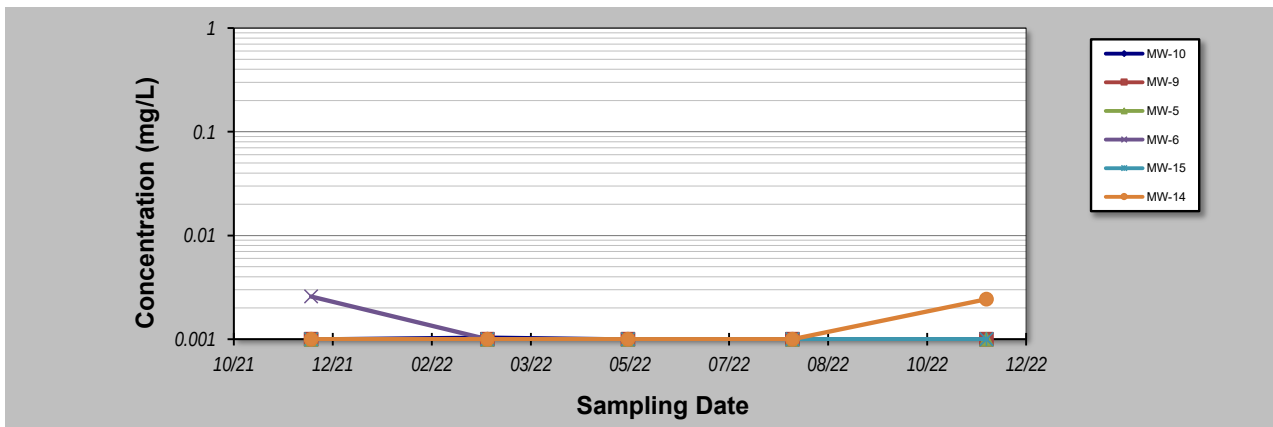
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TABLE 19

GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date:	01/01/23			Job ID:	GW-0294			
Facility Name:	TNM 97-04			Constituent:	Dissolved Ethane (RSK-175)			
Conducted By:	TRC			Concentration Units:	mg/L			
Sampling Point ID:	MW-10	MW-9	MW-5	MW-6	MW-15	MW-14		
Sampling Event	Sampling Date	DISSOLVED ETHANE (RSK-175) CONCENTRATION (mg/L)						
1	12/09/21	0.00100	0.00100	0.00100	0.00258	0.00100	0.00100	
2	03/08/22	0.00104	0.00100	0.00100	0.00100	0.00100	0.00100	
3	05/18/22	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	
4	08/09/22	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	
5	11/15/22	0.00100	0.00100	0.00100	0.00100	0.00100	0.00243	
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:	0.02	0.00	0.00	0.54	0.00	0.50		
Mann-Kendall Statistic (S):	-2	0	0	-4	0	4		
Confidence Factor:	59.2%	40.8%	40.8%	75.8%	40.8%	75.8%		
Concentration Trend:	Stable	Stable	Stable	Stable	Stable	No Trend		

**Notes:**

- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing ($S > 0$) or decreasing ($S < 0$): $> 95\%$ = Increasing or Decreasing; $\geq 90\%$ = Probably Increasing or Probably Decreasing; $< 90\%$ and $S > 0$ = No Trend; $< 90\%$, $S \leq 0$, and $COV \geq 1$ = No Trend; $< 90\%$ and $COV < 1$ = Stable.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

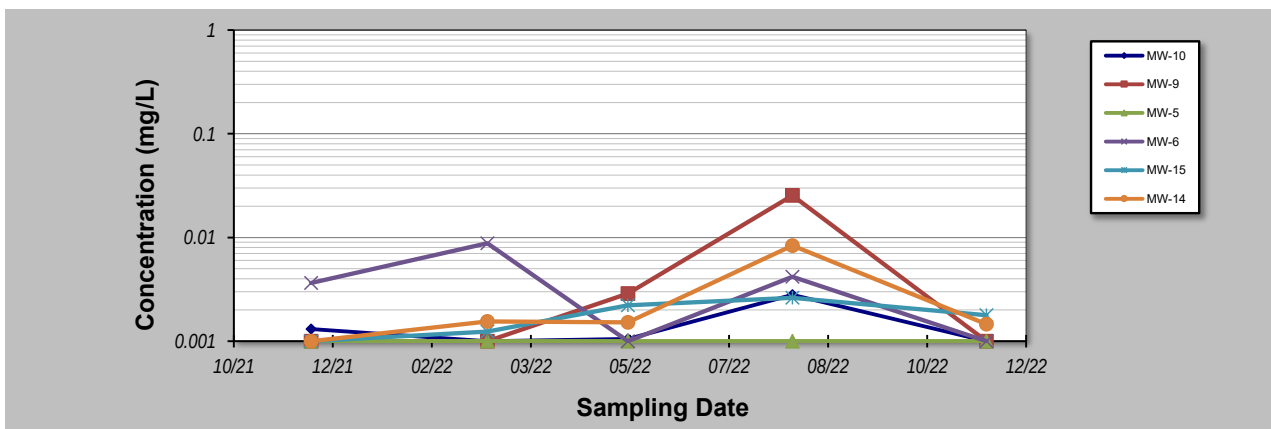
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TABLE 20

GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date:	01/01/23			Job ID:	GW-0294			
Facility Name:	TNM 97-04			Constituent:	Dissolved Ethene (RSK-175)			
Conducted By:	TRC			Concentration Units:	mg/L			
Sampling Point ID:	MW-10	MW-9	MW-5	MW-6	MW-15	MW-14		
Sampling Event	Sampling Date	DISSOLVED ETHENE (RSK-175) CONCENTRATION (mg/L)						
1	12/09/21	0.00131	0.00100	0.00100	0.00364	0.00100	0.00100	
2	03/08/22	0.00100	0.00100	0.00100	0.00880	0.00124	0.00155	
3	05/18/22	0.00105	0.00288	0.00100	0.00100	0.00222	0.00152	
4	08/09/22	0.00280	0.0254	0.00100	0.00419	0.00262	0.00836	
5	11/15/22	0.00100	0.00100	0.00100	0.00100	0.00178	0.00146	
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16								
17								
18								
19								
20								
Coefficient of Variation:	0.54	1.72	0.00	0.86	0.38	1.13		
Mann-Kendall Statistic (S):	-1	3	0	-3	6	2		
Confidence Factor:	50.0%	67.5%	40.8%	67.5%	88.3%	59.2%		
Concentration Trend:	Stable	No Trend	Stable	Stable	No Trend	No Trend		

**Notes:**

- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing ($S > 0$) or decreasing ($S < 0$): $> 95\%$ = Increasing or Decreasing; $\geq 90\%$ = Probably Increasing or Probably Decreasing; $< 90\%$ and $S > 0$ = No Trend; $< 90\%$, $S \leq 0$, and $COV \geq 1$ = No Trend; $< 90\%$ and $COV < 1$ = Stable.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

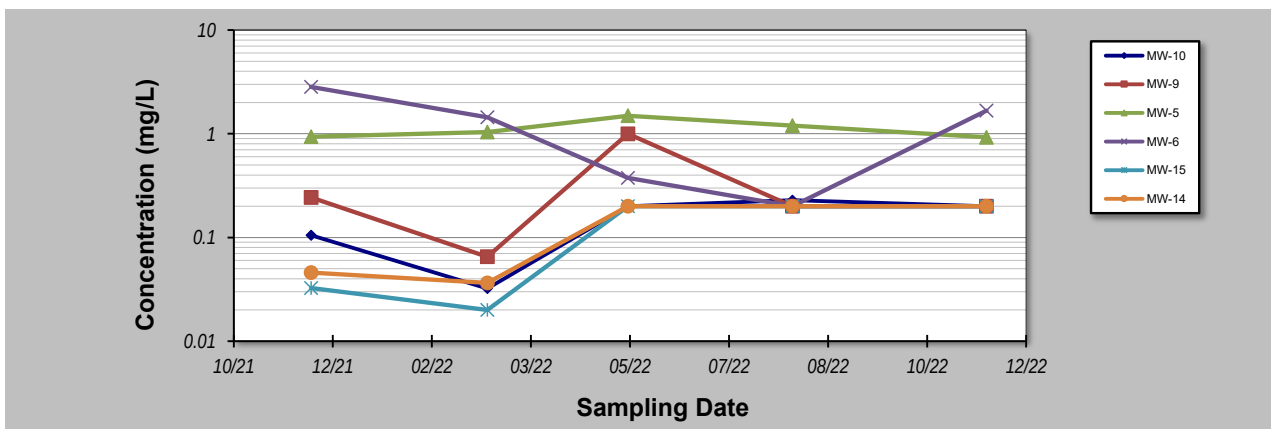
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TABLE 21

GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date:	01/01/23			Job ID:	GW-0294			
Facility Name:	TNM 97-04			Constituent:	Total Iron (filtered)			
Conducted By:	TRC			Concentration Units:	mg/L			
Sampling Point ID:	MW-10	MW-9	MW-5	MW-6	MW-15	MW-14		
Sampling Event	Sampling Date	TOTAL IRON (FILTERED) CONCENTRATION (mg/L)						
1	12/09/21	0.105	0.243	0.940	2.83	0.0325	0.0458	
2	03/08/22	0.0322	0.0651	1.04	1.44	0.0200	0.0365	
3	05/18/22	0.200	0.999	1.49	0.375	0.200	0.200	
4	08/09/22	0.229	0.200	1.20	0.200	0.200	0.200	
5	11/15/22	0.200	0.200	0.925	1.67	0.200	0.200	
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20								
Coefficient of Variation:	0.54	1.09	0.21	0.82	0.73	0.64		
Mann-Kendall Statistic (S):	5	-1	0	-4	5	5		
Confidence Factor:	82.1%	50.0%	40.8%	75.8%	82.1%	82.1%		
Concentration Trend:	No Trend	No Trend	Stable	Stable	No Trend	No Trend		

**Notes:**

- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing ($S > 0$) or decreasing ($S < 0$): $> 95\%$ = Increasing or Decreasing; $\geq 90\%$ = Probably Increasing or Probably Decreasing; $< 90\%$ and $S > 0$ = No Trend; $< 90\%$, $S \leq 0$, and $COV \geq 1$ = No Trend; $< 90\%$ and $COV < 1$ = Stable.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

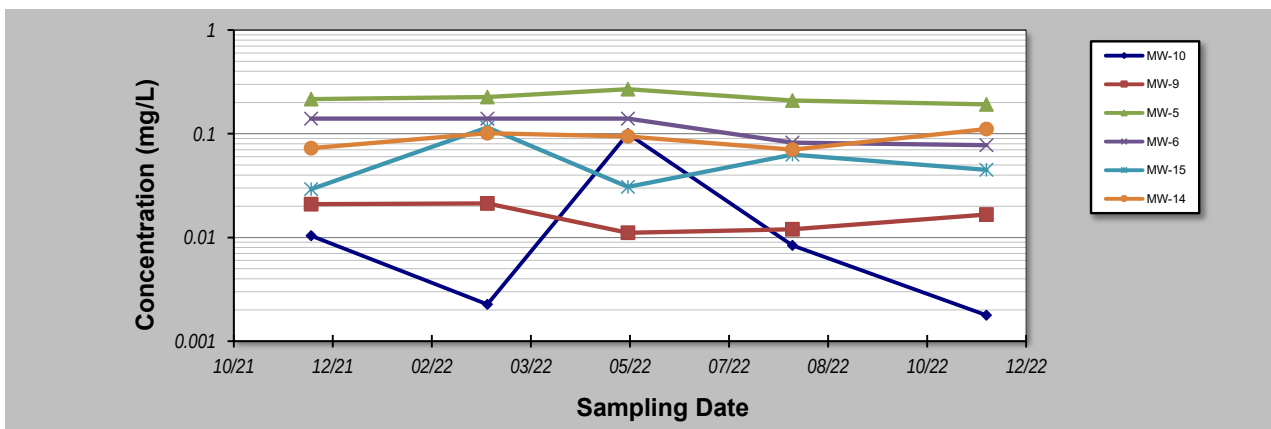
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TABLE 22

GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date:	01/01/23			Job ID:	GW-0294			
Facility Name:	TNM 97-04			Constituent:	Total Manganese (filtered)			
Conducted By:	TRC			Concentration Units:	mg/L			
Sampling Point ID:	MW-10	MW-9	MW-5	MW-6	MW-15	MW-14		
Sampling Event	Sampling Date	TOTAL MANGANESE (FILTERED) CONCENTRATION (mg/L)						
1	12/09/21	0.0104	0.0210	0.216	0.140	0.0292	0.0727	
2	03/08/22	0.00226	0.0213	0.226	0.140	0.115	0.101	
3	05/18/22	0.100	0.0111	0.269	0.140	0.0308	0.0943	
4	08/09/22	0.00837	0.0120	0.209	0.0819	0.0630	0.0703	
5	11/15/22	0.00178	0.0166	0.192	0.0776	0.0449	0.111	
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Coefficient of Variation:	1.72	0.29	0.13	0.29	0.63	0.20		
Mann-Kendall Statistic (S):	-4	-2	-4	-7	2	2		
Confidence Factor:	75.8%	59.2%	75.8%	92.1%	59.2%	59.2%		
Concentration Trend:	No Trend	Stable	Stable	Prob. Decreasing	No Trend	No Trend		



Notes:

- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing ($S > 0$) or decreasing ($S < 0$): $> 95\%$ = Increasing or Decreasing; $\geq 90\%$ = Probably Increasing or Probably Decreasing; $< 90\%$ and $S > 0$ = No Trend; $< 90\%$, $S \leq 0$, and $COV \geq 1$ = No Trend; $< 90\%$ and $COV < 1$ = Stable.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

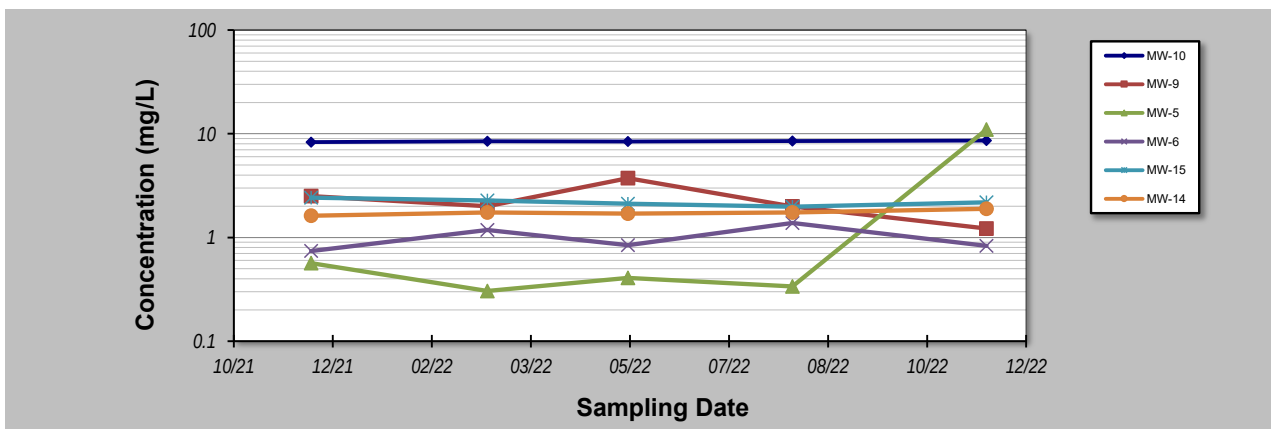
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TABLE 23

GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date:	01/01/23			Job ID:	GW-0294					
Facility Name:	TNM 97-04			Constituent:	Nitrate					
Conducted By:	TRC			Concentration Units:	mg/L					
Sampling Point ID:				MW-10	MW-9	MW-5	MW-6	MW-15	MW-14	
Sampling Event	Sampling Date	NITRATE CONCENTRATION (mg/L)								
1	12/09/21	8.31	2.51	0.567	0.740	2.42	1.62			
2	03/08/22	8.45	2.00	0.305	1.18	2.27	1.74			
3	05/18/22	8.40	3.73	0.408	0.843	2.12	1.70			
4	08/09/22	8.50	1.99	0.337	1.38	1.98	1.74			
5	11/15/22	8.59	1.22	11.0	0.830	2.18	1.89			
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Coefficient of Variation:		0.01	0.41	1.88	0.27	0.08	0.06			
Mann-Kendall Statistic (S):		8	-6	2	2	-6	7			
Confidence Factor:		95.8%	88.3%	59.2%	59.2%	88.3%	92.1%			
Concentration Trend:		Increasing	Stable	No Trend	No Trend	Stable	Prob. Increasing			



Notes:

- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing ($S > 0$) or decreasing ($S < 0$): $> 95\%$ = Increasing or Decreasing; $\geq 90\%$ = Probably Increasing or Probably Decreasing; $< 90\%$ and $S > 0$ = No Trend; $< 90\%$, $S \leq 0$, and $COV \geq 1$ = No Trend; $< 90\%$ and $COV < 1$ = Stable.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

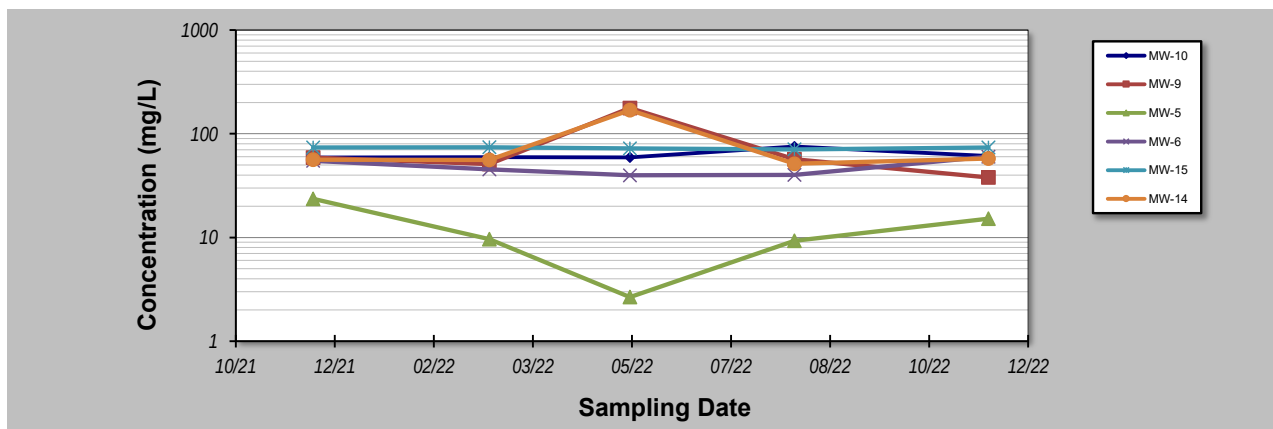
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TABLE 24

GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date:	01/01/23			Job ID:	GW-0294			
Facility Name:	TNM 97-04			Constituent:	Sulfate			
Conducted By:	TRC			Concentration Units:	mg/L			
Sampling Point ID:		MW-10	MW-9	MW-5	MW-6	MW-15	MW-14	
Sampling Event	Sampling Date	SULFATE CONCENTRATION (mg/L)						
1	12/09/21	59.0	59.0	23.6	54.9	73.7	56.2	
2	03/08/22	59.6	51.1	9.64	45.3	74.0	55.9	
3	05/18/22	59.2	177	2.66	39.8	72.3	169	
4	08/09/22	75.3	56.7	9.31	40.1	70.6	51.4	
5	11/15/22	60.9	37.9	15.2	60.2	73.8	57.6	
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Coefficient of Variation:		0.11	0.74	0.65	0.19	0.02	0.65	
Mann-Kendall Statistic (S):		6	-4	-2	0	-2	0	
Confidence Factor:		88.3%	75.8%	59.2%	40.8%	59.2%	40.8%	
Concentration Trend:		No Trend	Stable	Stable	Stable	Stable	Stable	



Notes:

- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing ($S > 0$) or decreasing ($S < 0$): $> 95\%$ = Increasing or Decreasing; $\geq 90\%$ = Probably Increasing or Probably Decreasing; $< 90\%$ and $S > 0$ = No Trend; $< 90\%$, $S \leq 0$, and $COV \geq 1$ = No Trend; $< 90\%$ and $COV < 1$ = Stable.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

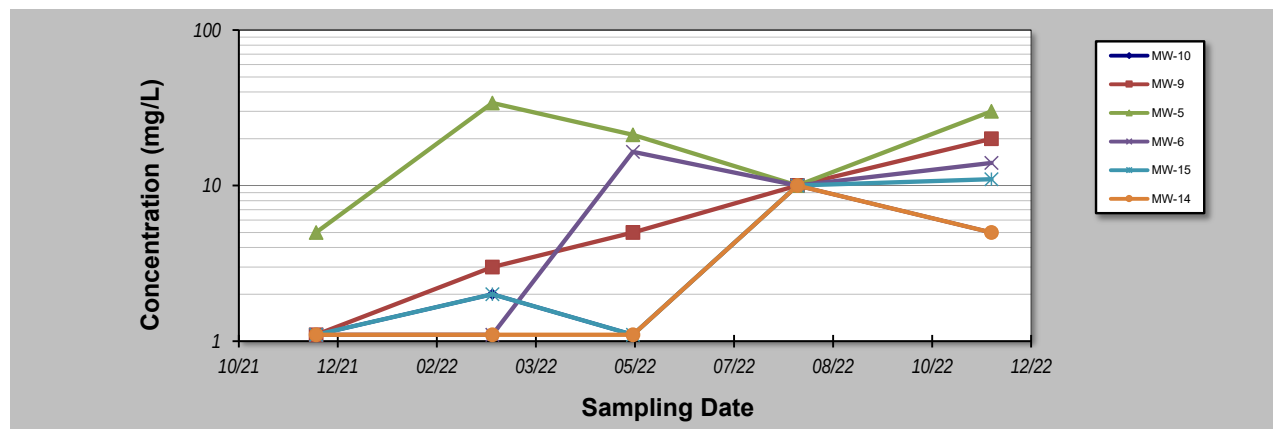
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TABLE 25

GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date:	01/01/23			Job ID:	GW-0294			
Facility Name:	TNM 97-04			Constituent:	Chemical Oxygen Demand (COD)			
Conducted By:	TRC			Concentration Units:	mg/L			
Sampling Point ID:		MW-10	MW-9	MW-5	MW-6	MW-15	MW-14	
Sampling Event	Sampling Date	CHEMICAL OXYGEN DEMAND (COD) CONCENTRATION (mg/L)						
1	12/09/21	1.10	1.10	5.00	1.10	1.10	1.10	
2	03/08/22	2.00	3.00	34.0	1.10	2.00	1.10	
3	05/18/22	1.10	5.00	21.2	16.5	1.10	1.10	
4	08/09/22	10.0	10.0	10.0	10.0	10.0	10.0	
5	11/15/22	5.00	20.0	30.0	14.0	11.0	5.0	
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Coefficient of Variation:		0.99	0.97	0.62	0.84	0.99	1.07	
Mann-Kendall Statistic (S):		5	10	2	5	7	5	
Confidence Factor:		82.1%	99.2%	59.2%	82.1%	92.1%	82.1%	
Concentration Trend:		No Trend	Increasing	No Trend	No Trend	Prob. Increasing	No Trend	

**Notes:**

- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing ($S > 0$) or decreasing ($S < 0$): $> 95\%$ = Increasing or Decreasing; $\geq 90\%$ = Probably Increasing or Probably Decreasing; $< 90\%$ and $S > 0$ = No Trend; $< 90\%$, $S \leq 0$, and $COV \geq 1$ = No Trend; $< 90\%$ and $COV < 1$ = Stable.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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APPENDICES

APPENDIX A: 2022 Laboratory Analytical 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 9704 Townsend

Project Number: Townsend

Location: None Given

Lab Order Number: 2B18005



Current Certification

Report Date: 02/24/22

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

Project: TNM 9704 Townsend
Project Number: Townsend
Project Manager: Curt Stanley

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW 13	2B18005-01	Water	02/17/22 13:05	02-18-2022 09:09
MW 18	2B18005-02	Water	02/17/22 13:32	02-18-2022 09:09
MW 15	2B18005-03	Water	02/17/22 13:57	02-18-2022 09:09
MW 14	2B18005-04	Water	02/17/22 14:23	02-18-2022 09:09

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

Project: TNM 9704 Townsend
Project Number: Townsend
Project Manager: Curt Stanley

MW 13**2B18005-01 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.**Organics by GC**

Benzene	ND	0.00100	mg/L	1	P2B2206	02/22/22 15:03	02/22/22 19:11	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2B2206	02/22/22 15:03	02/22/22 19:11	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2B2206	02/22/22 15:03	02/22/22 19:11	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2B2206	02/22/22 15:03	02/22/22 19:11	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2B2206	02/22/22 15:03	02/22/22 19:11	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	98.8 %		80-120		P2B2206	02/22/22 15:03	02/22/22 19:11	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	97.1 %		80-120		P2B2206	02/22/22 15:03	02/22/22 19:11	EPA 8021B	

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: TNM 9704 Townsend
Project Number: Townsend
Project Manager: Curt Stanley

MW 18**2B18005-02 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.**Organics by GC**

Benzene	ND	0.00100	mg/L	1	P2B2206	02/22/22 15:03	02/22/22 19:32	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2B2206	02/22/22 15:03	02/22/22 19:32	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2B2206	02/22/22 15:03	02/22/22 19:32	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2B2206	02/22/22 15:03	02/22/22 19:32	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2B2206	02/22/22 15:03	02/22/22 19:32	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	99.2 %		80-120		P2B2206	02/22/22 15:03	02/22/22 19:32	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	96.4 %		80-120		P2B2206	02/22/22 15:03	02/22/22 19:32	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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

Project: TNM 9704 Townsend
Project Number: Townsend
Project Manager: Curt Stanley

MW 15
2B18005-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P2B2206	02/22/22 15:03	02/22/22 19:53	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2B2206	02/22/22 15:03	02/22/22 19:53	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2B2206	02/22/22 15:03	02/22/22 19:53	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2B2206	02/22/22 15:03	02/22/22 19:53	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2B2206	02/22/22 15:03	02/22/22 19:53	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	98.3 %		80-120		P2B2206	02/22/22 15:03	02/22/22 19:53	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	97.2 %		80-120		P2B2206	02/22/22 15:03	02/22/22 19:53	EPA 8021B	

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: TNM 9704 Townsend
Project Number: Townsend
Project Manager: Curt Stanley

MW 14
2B18005-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P2B2206	02/22/22 15:03	02/22/22 20:14	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P2B2206	02/22/22 15:03	02/22/22 20:14	EPA 8021B
Ethylbenzene	ND	0.00100	mg/L	1	P2B2206	02/22/22 15:03	02/22/22 20:14	EPA 8021B
Xylene (p/m)	0.00218	0.00200	mg/L	1	P2B2206	02/22/22 15:03	02/22/22 20:14	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P2B2206	02/22/22 15:03	02/22/22 20:14	EPA 8021B
Surrogate: 4-Bromofluorobenzene	97.6 %		80-120		P2B2206	02/22/22 15:03	02/22/22 20:14	EPA 8021B
Surrogate: 1,4-Difluorobenzene	96.7 %		80-120		P2B2206	02/22/22 15:03	02/22/22 20:14	EPA 8021B

Permian Basin Environmental Lab, L.P.

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

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

Project: TNM 9704 Townsend
Project Number: Townsend
Project Manager: Curt Stanley

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

Batch P2B2206 - General Preparation (GC)

Blank (P2B2206-BLK1)

Prepared & Analyzed: 02/22/22

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		96.5	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.5	80-120			

LCS (P2B2206-BS1)

Prepared & Analyzed: 02/22/22

Benzene	0.105	0.00100	mg/L	0.100		105	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.113	0.00100	"	0.100		113	80-120			
Xylene (p/m)	0.221	0.00200	"	0.200		110	80-120			
Xylene (o)	0.0978	0.00100	"	0.100		97.8	80-120			
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		103	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.1	80-120			

LCS Dup (P2B2206-BSD1)

Prepared & Analyzed: 02/22/22

Benzene	0.108	0.00100	mg/L	0.100		108	80-120	3.13	20	
Toluene	0.104	0.00100	"	0.100		104	80-120	2.69	20	
Ethylbenzene	0.116	0.00100	"	0.100		116	80-120	2.70	20	
Xylene (p/m)	0.227	0.00200	"	0.200		113	80-120	2.53	20	
Xylene (o)	0.100	0.00100	"	0.100		100	80-120	2.50	20	
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		97.9	80-120			

Calibration Check (P2B2206-CCV1)

Prepared & Analyzed: 02/22/22

Benzene	0.107	0.00100	mg/L	0.100		107	80-120			
Toluene	0.104	0.00100	"	0.100		104	80-120			
Ethylbenzene	0.106	0.00100	"	0.100		106	80-120			
Xylene (p/m)	0.221	0.00200	"	0.200		110	80-120			
Xylene (o)	0.0991	0.00100	"	0.100		99.1	80-120			
Surrogate: 4-Bromofluorobenzene	0.121		"	0.120		101	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		97.0	80-120			

Permian Basin Environmental Lab, L.P.

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

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

Project: TNM 9704 Townsend
Project Number: Townsend
Project Manager: Curt Stanley

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

Batch P2B2206 - General Preparation (GC)

Calibration Check (P2B2206-CCV2)

Prepared & Analyzed: 02/22/22

Benzene	0.104	0.00100	mg/L	0.100		104	80-120			
Toluene	0.0992	0.00100	"	0.100		99.2	80-120			
Ethylbenzene	0.0985	0.00100	"	0.100		98.5	80-120			
Xylene (p/m)	0.205	0.00200	"	0.200		102	80-120			
Xylene (o)	0.0944	0.00100	"	0.100		94.4	80-120			
Surrogate: 4-Bromofluorobenzene	0.121		"	0.120		101	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.6	80-120			

Calibration Check (P2B2206-CCV3)

Prepared: 02/22/22 Analyzed: 02/23/22

Benzene	0.101	0.00100	mg/L	0.100		101	80-120			
Toluene	0.0953	0.00100	"	0.100		95.3	80-120			
Ethylbenzene	0.0948	0.00100	"	0.100		94.8	80-120			
Xylene (p/m)	0.196	0.00200	"	0.200		98.0	80-120			
Xylene (o)	0.0914	0.00100	"	0.100		91.4	80-120			
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.1	80-120			

Matrix Spike (P2B2206-MS1)

Source: 2B18004-01

Prepared & Analyzed: 02/22/22

Benzene	0.117	0.00100	mg/L	0.100	0.000690	116	80-120			
Toluene	0.125	0.00100	"	0.100	0.00597	119	80-120			
Ethylbenzene	0.148	0.00100	"	0.100	0.00555	142	80-120			QM-07
Xylene (p/m)	0.293	0.00200	"	0.200	0.0267	133	80-120			QM-07
Xylene (o)	0.143	0.00100	"	0.100	0.0135	130	80-120			QM-07
Surrogate: 4-Bromofluorobenzene	0.142		"	0.120		118	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.4	80-120			

Matrix Spike Dup (P2B2206-MSD1)

Source: 2B18004-01

Prepared & Analyzed: 02/22/22

Benzene	0.0999	0.00100	mg/L	0.100	0.000690	99.2	80-120	15.5	20	
Toluene	0.102	0.00100	"	0.100	0.00597	96.5	80-120	20.6	20	QM-07
Ethylbenzene	0.110	0.00100	"	0.100	0.00555	105	80-120	30.4	20	QM-07
Xylene (p/m)	0.220	0.00200	"	0.200	0.0267	96.5	80-120	31.9	20	QM-07
Xylene (o)	0.107	0.00100	"	0.100	0.0135	93.2	80-120	32.8	20	QM-07
Surrogate: 4-Bromofluorobenzene	0.134		"	0.120		111	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.1	80-120			

Permian Basin Environmental Lab, L.P.

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

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

Project: TNM 9704 Townsend
Project Number: Townsend
Project Manager: Curt Stanley

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.
BULK	Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range
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:

2/24/2022

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, L.P.

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



DOC #: PBEL_SAMPLE_CHECKLIST
REVISION #: PBEL_2021_1
REVISION Date: 10/30/2021
EFFECTIVE DATE: 10/30/2021

Sample Receipt Checklist

Yes	Notes
☒	Chain of custody documented?
☒	Chain of custody signed/dated/time when relinquished and received?
☒	Sample date/time present on COC for all samples?
☒	Sampler's name present on COC?
☒	Client initials on COC for all samples?
☒	Sample containers intact?
☒	Custom seals intact on sample bottles?
☒	Samples in proper container/bottle?
☒	Volume of sample volume indicated on COC?
☒	All samples received within holding time?
☒	Analysis requested for all samples submitted?
☒	Special handling/ cooler/ shipping conditions?
☒	Custody seals intact on shipping container/cooler?

Login Notes:

34CVDA-VIALS 2618005

PBEL_SAMPLE_CHECKLIST_2021_1

Page 1 of 2



DOC #: PBEL_SAMPLE_CHECKLIST
REVISION #: PBEL_2021_1
REVISION Date: 10/30/2021
EFFECTIVE DATE: 10/30/2021

SAMPLE VARIANCE/NON-CONFORMANCE

Variance/Discrepancy:

Resolution:

Client Contacted

Name:

Date/Time:

NC Initiated by: Approved by:

PBEL_SAMPLE_CHECKLIST_2021_1

Page 2 of 2

**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_MNA
Project Number: TNM 97-04
Location: Lea County, New Mexico
Lab Order Number: 2C09003



Current Certification

Report Date: 03/23/22

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

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

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-10	2C09003-01	Water	03/08/22 12:26	03-09-2022 08:55
MW-15	2C09003-02	Water	03/08/22 13:03	03-09-2022 08:55
MW-14	2C09003-03	Water	03/08/22 13:41	03-09-2022 08:55
MW-5	2C09003-04	Water	03/08/22 15:11	03-09-2022 08:55
MW-9	2C09003-05	Water	03/08/22 16:15	03-09-2022 08:55
MW-6	2C09003-06	Water	03/08/22 17:04	03-09-2022 08:55

TOC and RSKSOP 175 analysis 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_MNA
Project Number: TNM 97-04
Project Manager: Curt Stanley

MW-10
2C09003-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P2C1402	03/14/22 09:03	03/14/22 13:48	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2C1402	03/14/22 09:03	03/14/22 13:48	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2C1402	03/14/22 09:03	03/14/22 13:48	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2C1402	03/14/22 09:03	03/14/22 13:48	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2C1402	03/14/22 09:03	03/14/22 13:48	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	87.4 %		80-120		P2C1402	03/14/22 09:03	03/14/22 13:48	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	100 %		80-120		P2C1402	03/14/22 09:03	03/14/22 13:48	EPA 8021B	
Methane	0.00151	0.000500	mg/L	1	P2C2107	03/14/22 11:21	03/14/22 11:21	8015M	SUB-13
Ethane	0.00104	0.00100	mg/L	1	P2C2107	03/14/22 11:21	03/14/22 11:21	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2C2107	03/14/22 11:21	03/14/22 11:21	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	2.00	mg/L	1	P2C1001	03/11/22 11:27	03/11/22 11:27	8000	QAL1
Nitrate as N	8.45	0.200	mg/L	1	P2C0903	03/09/22 11:13	03/09/22 14:15	EPA 300.0	
Sulfate	59.6	1.00	mg/L	1	P2C0903	03/09/22 11:13	03/09/22 14:15	EPA 300.0	
Total Organic Carbon	ND	10.0	mg/L	1	P2C2107	03/16/22 15:50	03/22/22 09:14	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	0.0322	0.0200	mg/L	1	P2C0306	03/11/22 13:26	03/14/22 13:07	EPA 6010B	QAL1
Manganese	0.00226	0.0200	mg/L	1	P2C0306	03/11/22 13:26	03/14/22 13:07	EPA 6010B	QAL1, J

Permian Basin Environmental Lab, L.P.

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

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

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

MW-15
2C09003-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P2C1402	03/14/22 09:03	03/14/22 14:09	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2C1402	03/14/22 09:03	03/14/22 14:09	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2C1402	03/14/22 09:03	03/14/22 14:09	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2C1402	03/14/22 09:03	03/14/22 14:09	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2C1402	03/14/22 09:03	03/14/22 14:09	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	87.0 %		80-120		P2C1402	03/14/22 09:03	03/14/22 14:09	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	100 %		80-120		P2C1402	03/14/22 09:03	03/14/22 14:09	EPA 8021B	
Methane	0.00893	0.000500	mg/L	1	P2C2107	03/14/22 11:34	03/14/22 11:34	8015M	SUB-13
Ethane	ND	0.00100	mg/L	1	P2C2107	03/14/22 11:34	03/14/22 11:34	8015M	SUB-13
Ethene	0.00124	0.00100	mg/L	1	P2C2107	03/14/22 11:34	03/14/22 11:34	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	2.00	mg/L	1	P2C1001	03/11/22 11:27	03/11/22 11:27	8000	QAL1
Nitrate as N	2.27	0.200	mg/L	1	P2C0903	03/09/22 11:13	03/09/22 15:12	EPA 300.0	
Sulfate	74.0	1.00	mg/L	1	P2C0903	03/09/22 11:13	03/09/22 15:12	EPA 300.0	
Total Organic Carbon	ND	10.0	mg/L	1	P2C2107	03/16/22 16:16	03/22/22 09:14	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.0200	mg/L	1	P2C0306	03/11/22 13:26	03/14/22 13:11	EPA 6010B	QAL1
Manganese	0.0229	0.0200	mg/L	1	P2C0306	03/11/22 13:26	03/14/22 13:11	EPA 6010B	QAL1

Permian Basin Environmental Lab, L.P.

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

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

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

MW-14
2C09003-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P2C1402	03/14/22 09:03	03/14/22 14:30	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2C1402	03/14/22 09:03	03/14/22 14:30	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2C1402	03/14/22 09:03	03/14/22 14:30	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2C1402	03/14/22 09:03	03/14/22 14:30	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2C1402	03/14/22 09:03	03/14/22 14:30	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	88.8 %		80-120		P2C1402	03/14/22 09:03	03/14/22 14:30	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.9 %		80-120		P2C1402	03/14/22 09:03	03/14/22 14:30	EPA 8021B	
Methane	0.0158	0.000500	mg/L	1	P2C2107	03/14/22 11:43	03/14/22 11:43	8015M	SUB-13
Ethane	ND	0.00100	mg/L	1	P2C2107	03/14/22 11:43	03/14/22 11:43	8015M	SUB-13
Ethene	0.00155	0.00100	mg/L	1	P2C2107	03/14/22 11:43	03/14/22 11:43	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	1.10	mg/L	1	P2C1501	03/15/22 13:50	03/15/22 13:50	8000	
Nitrate as N	1.74	0.200	mg/L	1	P2C0903	03/09/22 11:13	03/09/22 15:31	EPA 300.0	
Sulfate	55.9	1.00	mg/L	1	P2C0903	03/09/22 11:13	03/09/22 15:31	EPA 300.0	
Total Organic Carbon	ND	10.0	mg/L	1	P2C2107	03/16/22 16:28	03/22/22 09:14	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	0.0365	0.0200	mg/L	1	P2C1108	03/11/22 13:34	03/14/22 14:48	EPA 6010B	QAL1
Manganese	0.101	0.0200	mg/L	1	P2C1108	03/11/22 13:34	03/14/22 14:48	EPA 6010B	QAL1

Permian Basin Environmental Lab, L.P.

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

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

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

MW-5
2C09003-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	6.80	0.100	mg/L	100	P2C1402	03/14/22 09:03	03/15/22 10:17	EPA 8021B	
Toluene	1.96	0.100	mg/L	100	P2C1402	03/14/22 09:03	03/15/22 10:17	EPA 8021B	
Ethylbenzene	0.847	0.100	mg/L	100	P2C1402	03/14/22 09:03	03/15/22 10:17	EPA 8021B	
Xylene (p/m)	1.09	0.200	mg/L	100	P2C1402	03/14/22 09:03	03/15/22 10:17	EPA 8021B	
Xylene (o)	0.439	0.100	mg/L	100	P2C1402	03/14/22 09:03	03/15/22 10:17	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>87.1 %</i>				<i>P2C1402</i>	<i>03/14/22 09:03</i>	<i>03/15/22 10:17</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>101 %</i>				<i>P2C1402</i>	<i>03/14/22 09:03</i>	<i>03/15/22 10:17</i>	<i>EPA 8021B</i>	
Methane	5.05	0.100	mg/L	1	P2C2107	03/14/22 11:54	03/14/22 11:54	8015M	SUB-13
Ethane	ND	0.00100	mg/L	1	P2C2107	03/14/22 11:54	03/14/22 11:54	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2C2107	03/14/22 11:54	03/14/22 11:54	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	34.0	1.10	mg/L	1	P2C1501	03/15/22 13:50	03/15/22 13:50	8000	
Nitrate as N	0.305	0.200	mg/L	1	P2C0903	03/09/22 11:13	03/09/22 15:50	EPA 300.0	
Sulfate	9.64	1.00	mg/L	1	P2C0903	03/09/22 11:13	03/09/22 15:50	EPA 300.0	
Total Organic Carbon	ND	10.0	mg/L	1	P2C2107	03/16/22 16:41	03/22/22 09:14	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	1.04	0.0200	mg/L	1	P2C1108	03/11/22 13:34	03/14/22 14:52	EPA 6010B	QAL1
Manganese	0.226	0.0200	mg/L	1	P2C1108	03/11/22 13:34	03/14/22 14:52	EPA 6010B	QAL1

Permian Basin Environmental Lab, L.P.

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

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

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

MW-9
2C09003-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	0.0166	0.00500	mg/L	5	P2C1402	03/14/22 09:03	03/14/22 15:12	EPA 8021B	
Toluene	0.0302	0.00500	mg/L	5	P2C1402	03/14/22 09:03	03/14/22 15:12	EPA 8021B	
Ethylbenzene	0.0738	0.00500	mg/L	5	P2C1402	03/14/22 09:03	03/14/22 15:12	EPA 8021B	
Xylene (p/m)	0.206	0.0100	mg/L	5	P2C1402	03/14/22 09:03	03/14/22 15:12	EPA 8021B	
Xylene (o)	0.0872	0.00500	mg/L	5	P2C1402	03/14/22 09:03	03/14/22 15:12	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>92.3 %</i>		<i>80-120</i>		<i>P2C1402</i>	<i>03/14/22 09:03</i>	<i>03/14/22 15:12</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>100 %</i>		<i>80-120</i>		<i>P2C1402</i>	<i>03/14/22 09:03</i>	<i>03/14/22 15:12</i>	<i>EPA 8021B</i>	
Methane	1.00	0.0500	mg/L	1	P2C2107	03/14/22 12:09	03/14/22 12:09	8015M	SUB-13
Ethane	ND	0.00100	mg/L	1	P2C2107	03/14/22 12:09	03/14/22 12:09	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2C2107	03/14/22 12:09	03/14/22 12:09	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	3.00	1.10	mg/L	1	P2C1501	03/15/22 13:50	03/15/22 13:50	8000	
Nitrate as N	2.00	0.200	mg/L	1	P2C0903	03/09/22 11:13	03/09/22 16:09	EPA 300.0	
Sulfate	51.1	1.00	mg/L	1	P2C0903	03/09/22 11:13	03/09/22 16:09	EPA 300.0	
Total Organic Carbon	ND	10.0	mg/L	1	P2C2107	03/16/22 16:43	03/22/22 09:14	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	0.0651	0.0200	mg/L	1	P2C1108	03/11/22 13:34	03/14/22 14:56	EPA 6010B	QAL1
Manganese	0.0213	0.0200	mg/L	1	P2C1108	03/11/22 13:34	03/14/22 14:56	EPA 6010B	QAL1

Permian Basin Environmental Lab, L.P.

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

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

MW-6
2C09003-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	0.265	0.00100	mg/L	1	P2C1402	03/14/22 09:03	03/14/22 15:33	EPA 8021B	
Toluene	0.00128	0.00100	mg/L	1	P2C1402	03/14/22 09:03	03/14/22 15:33	EPA 8021B	
Ethylbenzene	0.0133	0.00100	mg/L	1	P2C1402	03/14/22 09:03	03/14/22 15:33	EPA 8021B	
Xylene (p/m)	0.0134	0.00200	mg/L	1	P2C1402	03/14/22 09:03	03/14/22 15:33	EPA 8021B	
Xylene (o)	0.00298	0.00100	mg/L	1	P2C1402	03/14/22 09:03	03/14/22 15:33	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>90.2 %</i>		<i>80-120</i>		<i>P2C1402</i>	<i>03/14/22 09:03</i>	<i>03/14/22 15:33</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>102 %</i>		<i>80-120</i>		<i>P2C1402</i>	<i>03/14/22 09:03</i>	<i>03/14/22 15:33</i>	<i>EPA 8021B</i>	
Methane	0.950	0.0500	mg/L	1	P2C2107	03/14/22 12:21	03/14/22 12:21	8015M	SUB-13
Ethane	ND	0.00100	mg/L	1	P2C2107	03/14/22 12:21	03/14/22 12:21	8015M	SUB-13
Ethene	0.00880	0.00100	mg/L	1	P2C2107	03/14/22 12:21	03/14/22 12:21	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	1.10	mg/L	1	P2C1501	03/15/22 13:50	03/15/22 13:50	8000	
Nitrate as N	1.18	0.200	mg/L	1	P2C0903	03/09/22 11:13	03/09/22 16:28	EPA 300.0	
Sulfate	45.3	1.00	mg/L	1	P2C0903	03/09/22 11:13	03/09/22 16:28	EPA 300.0	
Total Organic Carbon	ND	10.0	mg/L	1	P2C2107	03/16/22 17:05	03/22/22 09:14	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	1.44	0.0200	mg/L	1	P2C1108	03/11/22 13:34	03/14/22 15:00	EPA 6010B	QAL1
Manganese	0.115	0.0200	mg/L	1	P2C1108	03/11/22 13:34	03/14/22 15:00	EPA 6010B	QAL1

Permian Basin Environmental Lab, L.P.

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

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

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

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

Batch P2C1402 - General Preparation (GC)

Blank (P2C1402-BLK1)

Prepared & Analyzed: 03/14/22

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	0.106		"	0.120		87.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.4	80-120			

LCS (P2C1402-BS1)

Prepared & Analyzed: 03/14/22

Benzene	0.105	0.00100	mg/L	0.100		105	80-120			
Toluene	0.108	0.00100	"	0.100		108	80-120			
Ethylbenzene	0.112	0.00100	"	0.100		112	80-120			
Xylene (p/m)	0.233	0.00200	"	0.200		116	80-120			
Xylene (o)	0.105	0.00100	"	0.100		105	80-120			
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		95.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			

LCS Dup (P2C1402-BSD1)

Prepared & Analyzed: 03/14/22

Benzene	0.106	0.00100	mg/L	0.100		106	80-120	0.964	20	
Toluene	0.108	0.00100	"	0.100		108	80-120	0.203	20	
Ethylbenzene	0.115	0.00100	"	0.100		115	80-120	3.45	20	
Xylene (p/m)	0.233	0.00200	"	0.200		117	80-120	0.236	20	
Xylene (o)	0.104	0.00100	"	0.100		104	80-120	0.918	20	
Surrogate: 4-Bromofluorobenzene	0.113		"	0.120		94.5	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			

Calibration Check (P2C1402-CCV1)

Prepared & Analyzed: 03/14/22

Benzene	0.106	0.00100	mg/L	0.100		106	80-120			
Toluene	0.107	0.00100	"	0.100		107	80-120			
Ethylbenzene	0.106	0.00100	"	0.100		106	80-120			
Xylene (p/m)	0.225	0.00200	"	0.200		113	80-120			
Xylene (o)	0.102	0.00100	"	0.100		102	80-120			
Surrogate: 4-Bromofluorobenzene	0.111		"	0.120		92.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			

Permian Basin Environmental Lab, L.P.

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

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

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

Batch P2C1402 - General Preparation (GC)

Calibration Check (P2C1402-CCV2)

Prepared & Analyzed: 03/14/22

Benzene	0.110	0.00100	mg/L	0.100		110	80-120			
Toluene	0.107	0.00100	"	0.100		107	80-120			
Ethylbenzene	0.105	0.00100	"	0.100		105	80-120			
Xylene (p/m)	0.224	0.00200	"	0.200		112	80-120			
Xylene (o)	0.106	0.00100	"	0.100		106	80-120			
Surrogate: 4-Bromofluorobenzene	0.114		"	0.120		95.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.124		"	0.120		103	80-120			

Calibration Check (P2C1402-CCV3)

Prepared & Analyzed: 03/14/22

Benzene	0.110	0.00100	mg/L	0.100		110	80-120			
Toluene	0.108	0.00100	"	0.100		108	80-120			
Ethylbenzene	0.110	0.00100	"	0.100		110	80-120			
Xylene (p/m)	0.235	0.00200	"	0.200		117	80-120			
Xylene (o)	0.111	0.00100	"	0.100		111	80-120			
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120		91.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		103	80-120			

Matrix Spike (P2C1402-MS1)

Source: 2C09003-01

Prepared & Analyzed: 03/14/22

Benzene	0.124	0.00100	mg/L	0.100	ND	124	80-120			QM-05
Toluene	0.118	0.00100	"	0.100	ND	118	80-120			
Ethylbenzene	0.159	0.00100	"	0.100	ND	159	80-120			QM-05
Xylene (p/m)	0.282	0.00200	"	0.200	ND	141	80-120			QM-05
Xylene (o)	0.129	0.00100	"	0.100	ND	129	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	0.113		"	0.120		93.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		101	80-120			

Matrix Spike Dup (P2C1402-MSD1)

Source: 2C09003-01

Prepared & Analyzed: 03/14/22

Benzene	0.122	0.00100	mg/L	0.100	ND	122	80-120	1.69	20	QM-05
Toluene	0.121	0.00100	"	0.100	ND	121	80-120	2.61	20	QM-05
Ethylbenzene	0.140	0.00100	"	0.100	ND	140	80-120	13.0	20	QM-05
Xylene (p/m)	0.266	0.00200	"	0.200	ND	133	80-120	5.83	20	QM-05
Xylene (o)	0.121	0.00100	"	0.100	ND	121	80-120	6.73	20	QM-05
Surrogate: 4-Bromofluorobenzene	0.112		"	0.120		93.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		103	80-120			

Permian Basin Environmental Lab, L.P.

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

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

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

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
Batch P2C0903 - *** DEFAULT PREP ***										
Blank (P2C0903-BLK1)				Prepared & Analyzed: 03/09/22						
Nitrate as N	ND	0.200	mg/L							
Sulfate	ND	1.00	"							
LCS (P2C0903-BS1)				Prepared & Analyzed: 03/09/22						
Nitrate as N	3.98		mg/L	4.00		99.4	90-110			
Sulfate	41.7		"	40.0		104	90-110			
LCS Dup (P2C0903-BSD1)				Prepared & Analyzed: 03/09/22						
Nitrate as N	4.01		mg/L	4.00		100	90-110	0.777	10	
Sulfate	41.6		"	40.0		104	90-110	0.0624	10	
Calibration Blank (P2C0903-CCB1)				Prepared & Analyzed: 03/09/22						
Nitrate as N	0.00		mg/L							
Sulfate	-0.186		"							
Calibration Check (P2C0903-CCV1)				Prepared & Analyzed: 03/09/22						
Sulfate	20.3		mg/L	20.0		102	90-110			
Nitrate as N	1.89		"	2.00		94.3	90-110			
Calibration Check (P2C0903-CCV2)				Prepared & Analyzed: 03/09/22						
Sulfate	20.7		mg/L	20.0		103	90-110			
Nitrate as N	1.91		"	2.00		95.7	90-110			
Matrix Spike (P2C0903-MS1)				Source: 2C09003-01		Prepared & Analyzed: 03/09/22				
Sulfate	62.9	1.00	mg/L	4.00	59.6	81.8	80-120			
Nitrate as N	8.74	0.200	"	0.400	8.45	73.0	80-120			QM-05
Matrix Spike Dup (P2C0903-MSD1)				Source: 2C09003-01		Prepared & Analyzed: 03/09/22				
Sulfate	62.9	1.00	mg/L	4.00	59.6	81.6	80-120	0.0127	20	
Nitrate as N	8.75	0.200	"	0.400	8.45	74.5	80-120	0.0686	20	QM-05

Permian Basin Environmental Lab, L.P.

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

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

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

Batch P2C1001 - * DEFAULT PREP *****

Blank (P2C1001-BLK1)				Prepared & Analyzed: 03/11/22						
Chemical Oxygen Demand	ND	2.00	mg/L							QAL1
Blank (P2C1001-BLK2)				Prepared & Analyzed: 03/11/22						
Chemical Oxygen Demand	ND	2.00	mg/L							QAL1
LCS (P2C1001-BS1)				Prepared & Analyzed: 03/11/22						
Chemical Oxygen Demand	96.0	2.00	mg/L	100		96.0	80-120			QAL1
LCS Dup (P2C1001-BSD1)				Prepared & Analyzed: 03/11/22						
Chemical Oxygen Demand	103	2.00	mg/L	100		103	80-120	7.04	20	QAL1
Calibration Blank (P2C1001-CCB1)				Prepared & Analyzed: 03/11/22						
Chemical Oxygen Demand	0.00		mg/L							QAL1
Calibration Check (P2C1001-CCV1)				Prepared & Analyzed: 03/11/22						
Chemical Oxygen Demand	98.0	2.00	mg/L	100		98.0	80-120			QAL1
Calibration Check (P2C1001-CCV2)				Prepared & Analyzed: 03/11/22						
Chemical Oxygen Demand	98.0	2.00	mg/L	100		98.0	80-120			QAL1
Calibration Check (P2C1001-CCV3)				Prepared & Analyzed: 03/11/22						
Chemical Oxygen Demand	97.0	2.00	mg/L	100		97.0	80-120			QAL1
Calibration Check (P2C1001-CCV4)				Prepared & Analyzed: 03/11/22						
Chemical Oxygen Demand	920	2.00	mg/L	1000		92.0	80-120			QAL1
Calibration Check (P2C1001-CCV5)				Prepared & Analyzed: 03/11/22						
Chemical Oxygen Demand	921	2.00	mg/L	1000		92.1	80-120			QAL1

Permian Basin Environmental Lab, L.P.

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

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

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

Batch P2C1001 - * DEFAULT PREP *****

Duplicate (P2C1001-DUP1)		Source: 2C02001-01			Prepared & Analyzed: 03/11/22					
Chemical Oxygen Demand	4.00	2.00	mg/L		3.00			28.6	20	QAL1, R2
Duplicate (P2C1001-DUP2)		Source: 2C04001-05			Prepared & Analyzed: 03/11/22					
Chemical Oxygen Demand	815	2.00	mg/L		824			1.10	20	QAL1
Matrix Spike (P2C1001-MS1)		Source: 2C02001-01			Prepared & Analyzed: 03/11/22					
Chemical Oxygen Demand	116	2.00	mg/L	100	3.00	113	80-120			QAL1
Matrix Spike Dup (P2C1001-MSD1)		Source: 2C02001-01			Prepared & Analyzed: 03/11/22					
Chemical Oxygen Demand	112	2.00	mg/L	100	3.00	109	80-120	3.51	20	QAL1

Batch P2C1501 - * DEFAULT PREP *****

Blank (P2C1501-BLK1)					Prepared & Analyzed: 03/15/22					
Chemical Oxygen Demand	ND	1.10	mg/L							
Blank (P2C1501-BLK2)					Prepared & Analyzed: 03/15/22					
Chemical Oxygen Demand	ND	1.10	mg/L							
LCS (P2C1501-BS1)					Prepared & Analyzed: 03/15/22					
Chemical Oxygen Demand	96.0	1.10	mg/L	100		96.0	80-120			
LCS (P2C1501-BS2)					Prepared & Analyzed: 03/15/22					
Chemical Oxygen Demand	1070	1.10	mg/L	1000		107	80-120			
LCS Dup (P2C1501-BSD1)					Prepared & Analyzed: 03/15/22					
Chemical Oxygen Demand	102	1.10	mg/L	100		102	80-120	6.06	20	

Permian Basin Environmental Lab, L.P.

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

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

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
Batch P2C1501 - *** DEFAULT PREP ***										
LCS Dup (P2C1501-BSD2)				Prepared & Analyzed: 03/15/22						
Chemical Oxygen Demand	1100	1.10	mg/L	1000		110	80-120	2.68	20	
Calibration Check (P2C1501-CCV1)				Prepared & Analyzed: 03/15/22						
Chemical Oxygen Demand	98.0	1.10	mg/L	100		98.0	80-120			
Calibration Check (P2C1501-CCV2)				Prepared & Analyzed: 03/15/22						
Chemical Oxygen Demand	99.0	1.10	mg/L	100		99.0	80-120			
Calibration Check (P2C1501-CCV3)				Prepared & Analyzed: 03/15/22						
Chemical Oxygen Demand	98.0	1.10	mg/L	100		98.0	80-120			
Duplicate (P2C1501-DUP1)		Source: 2C09003-03		Prepared & Analyzed: 03/15/22						
Chemical Oxygen Demand	ND	1.10	mg/L		ND				20	
Duplicate (P2C1501-DUP2)		Source: 2C09015-01		Prepared & Analyzed: 03/15/22						
Chemical Oxygen Demand	5290	1.10	mg/L		4540			15.3	20	
Matrix Spike (P2C1501-MS1)		Source: 2C09003-03		Prepared & Analyzed: 03/15/22						
Chemical Oxygen Demand	118	1.10	mg/L	100	ND	118	80-120			
Matrix Spike Dup (P2C1501-MSD1)		Source: 2C09003-03		Prepared & Analyzed: 03/15/22						
Chemical Oxygen Demand	105	1.10	mg/L	100	ND	105	80-120	11.7	20	

Permian Basin Environmental Lab, L.P.

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

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

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

Dissolved 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 P2C0306 - *** DEFAULT PREP ***										
Blank (P2C0306-BLK1)				Prepared: 03/11/22 Analyzed: 03/14/22						
Manganese	ND	0.0200	mg/L							QAL1
Iron	ND	0.0200	"							QAL1
LCS (P2C0306-BS1)				Prepared: 03/11/22 Analyzed: 03/14/22						
Iron	0.391	0.0200	mg/L	0.400		97.8	80-120			QAL1
Manganese	0.214	0.0200	"	0.200		107	80-120			QAL1
LCS Dup (P2C0306-BSD1)				Prepared: 03/11/22 Analyzed: 03/14/22						
Iron	0.394	0.0200	mg/L	0.400		98.6	80-120	0.810	20	QAL1
Manganese	0.237	0.0200	"	0.200		118	80-120	9.90	20	QAL1
Calibration Blank (P2C0306-CCB1)				Prepared: 03/11/22 Analyzed: 03/14/22						
Manganese	0.00158		mg/L							QAL1
Iron	-0.00414		"							QAL1
Calibration Blank (P2C0306-CCB2)				Prepared: 03/11/22 Analyzed: 03/14/22						
Manganese	-0.000250		mg/L							QAL1
Iron	-0.0116		"							QAL1
Calibration Blank (P2C0306-CCB3)				Prepared: 03/11/22 Analyzed: 03/14/22						
Manganese	-0.000190		mg/L							QAL1
Iron	-0.0157		"							QAL1
Calibration Check (P2C0306-CCV1)				Prepared: 03/11/22 Analyzed: 03/14/22						
Manganese	0.216	0.0200	mg/L	0.200		108	80-120			QAL1
Iron	0.399	0.0200	"	0.400		99.6	80-120			QAL1
Calibration Check (P2C0306-CCV2)				Prepared: 03/11/22 Analyzed: 03/14/22						
Manganese	0.227	0.0200	mg/L	0.200		114	80-120			QAL1
Iron	0.399	0.0200	"	0.400		99.7	80-120			QAL1

Permian Basin Environmental Lab, L.P.

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

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

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

Dissolved 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 P2C0306 - * DEFAULT PREP *****

Calibration Check (P2C0306-CCV3)

Prepared: 03/11/22 Analyzed: 03/14/22

Iron	0.397	0.0200	mg/L	0.400		99.4	80-120			QAL1
Manganese	0.227	0.0200	"	0.200		113	80-120			QAL1

Matrix Spike (P2C0306-MS1)

Source: 2C02001-01

Prepared: 03/11/22 Analyzed: 03/14/22

Iron	0.419	0.0200	mg/L	0.400	ND	105	80-120			QAL1
Manganese	0.610	0.0200	"	0.200	0.382	114	80-120			QAL1

Matrix Spike Dup (P2C0306-MSD1)

Source: 2C02001-01

Prepared: 03/11/22 Analyzed: 03/14/22

Manganese	0.612	0.0200	mg/L	0.200	0.382	115	80-120	0.320	20	QAL1
Iron	0.424	0.0200	"	0.400	ND	106	80-120	1.08	20	QAL1

Batch P2C1108 - * DEFAULT PREP *****

Blank (P2C1108-BLK1)

Prepared: 03/11/22 Analyzed: 03/14/22

Iron	ND	0.0200	mg/L							QAL1
Manganese	ND	0.0200	"							QAL1

LCS (P2C1108-BS1)

Prepared: 03/11/22 Analyzed: 03/14/22

Iron	0.404	0.0200	mg/L	0.400		101	80-120			QAL1
Manganese	0.225	0.0200	"	0.200		113	80-120			QAL1

LCS Dup (P2C1108-BSD1)

Prepared: 03/11/22 Analyzed: 03/14/22

Iron	0.339	0.0200	mg/L	0.400		84.8	80-120	17.4	20	QAL1
Manganese	0.177	0.0200	"	0.200		88.6	80-120	23.8	20	QAL1, QR-02

Calibration Blank (P2C1108-CCB1)

Prepared: 03/11/22 Analyzed: 03/14/22

Iron	-0.0123		mg/L							QAL1
Manganese	-0.000358		"							QAL1

Permian Basin Environmental Lab, L.P.

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

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

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

Dissolved 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 P2C1108 - * DEFAULT PREP *****

Calibration Blank (P2C1108-CCB2)

Prepared: 03/11/22 Analyzed: 03/14/22

Manganese	-0.000384		mg/L							QAL1
Iron	-0.00838		"							QAL1

Calibration Check (P2C1108-CCV1)

Prepared: 03/11/22 Analyzed: 03/14/22

Iron	0.407	0.0200	mg/L	0.400		102	80-120			QAL1
Manganese	0.213	0.0200	"	0.200		106	80-120			QAL1

Calibration Check (P2C1108-CCV2)

Prepared: 03/11/22 Analyzed: 03/14/22

Iron	0.402	0.0200	mg/L	0.400		100	80-120			QAL1
Manganese	0.222	0.0200	"	0.200		111	80-120			QAL1

Matrix Spike (P2C1108-MS1)

Source: 2C09003-03

Prepared: 03/11/22 Analyzed: 03/14/22

Iron	0.414	0.0200	mg/L	0.400	0.0365	94.3	80-120			QAL1
Manganese	0.185	0.0200	"	0.200	0.101	41.8	80-120			QAL1, QM-07

Matrix Spike Dup (P2C1108-MSD1)

Source: 2C09003-03

Prepared: 03/11/22 Analyzed: 03/14/22

Iron	0.400	0.0200	mg/L	0.400	0.0365	90.9	80-120	3.34	20	QAL1
Manganese	0.181	0.0200	"	0.200	0.101	40.0	80-120	1.98	20	QAL1, QM-07

Permian Basin Environmental Lab, L.P.

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

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

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

Notes and Definitions

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

R2 The RPD exceeded the acceptance limit.

QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

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.

QAL1 The Laboratory is not TNI Certified for this analyte or analysis.

NPBEL C Chain of Custody was not generated at PBELAB

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: 3/23/2022

Permian Basin Environmental Lab, L.P.

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

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

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

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, 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

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

Page 1 of 1

☐ NPDES

PO#:

Standard TAT

BILL TO PLAINS					
Relinquished by:	Date	Time	Received by:	Date	Time
	3-9-22	855			
Relinquished by: Mary	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL: [Signature]	Date	Time
				3/9/22	855
Laboratory Comments:					
Sample Containers Intact?			Y N		
VOCs Free of Headspace?			Y Y N N		
Labels on container(s)			Y Y N N		
Custody seals on container(s)			Y Y N N		
Custody seals on cooler(s)			Y Y N N		
Sample Hand Delivered			Y Y N N		
by Sampler/Client Rep. ?			Y Y N N		
by Courier? UPS DHL FedEx Lone Star					
Temperature Upon Receipt: °C			72		
Received: 1:22					
Adjusted: °C Factor			0.1		



DOC #: PBEL_SAMPLE_CHECKLIST
REVISION #: PBEL_2021_1
REVISION Date: 10/30/2021
EFFECTIVE DATE: 10/30/2021

Sample Receipt Checklist

Yes	Notes
☒	Chain of custody present?
☒	Chain of custody signed/dated/time when relinquished and received?
☒	Sample date/time present on COC for all samples?
☒	Sampler's name present on COC?
☒	Chain of Custody agrees with sample labels?
☒	Sample containers intact?
☒	Custody seals intact on sample bottles?
☒	Samples in proper container/bottle?
☒	Sufficient sample volume for indicated test?
☒	All samples received within holding time?
☒	Samples received within appropriate temp?
☒	Analysis requested for all samples submitted?
☒	Shipping container/cooler in good condition?
☒	Custody seals intact on shipping container/cooler?

Login Notes: Assorted 2C09003

PBEL_SAMPLE_CHECKLIST_2021_1

Page 1 of 2



DOC #: PBEL_SAMPLE_CHECKLIST
REVISION #: PBEL_2021_1
REVISION Date: 10/30/2021
EFFECTIVE DATE: 10/30/2021

SAMPLE VARIANCE/NON-CONFORMANCE

Variance/Discrepancy:
Resolution:
Client Contacted
Name:
Date/Time:
NC Initiated by: _____
Approved by: _____

PBEL_SAMPLE_CHECKLIST_2021_1

Page 2 of 2



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

Phone: 432-686-7235
PBELAB_SUB_COC_V2

Project Manager: Brent Barron
Company Name _____

PBEL

Company Address: 1400 B...

City/State/Zip: _____
Midland T. _____

Telephone No.: 432-661 4401

Sampler Signature: N/A

Fax No:

e-mail:

brentbarron@ppbelab.com

Report Format: X Standard

☐ TRRP☐ NPDES

Project Name: SUBCONTRACT

Project #:

Project Loc:

PO#:

Page 22 of 39

[illegible]



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

March 17, 2022

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

Work Order: **HS22030564**

Laboratory Results for: **2C09003**

Dear Brent Barron,

ALS Environmental received 6 sample(s) on Mar 10, 2022 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

ALS Houston, US

Date: 17-Mar-22

Client: Permian Basin Environmental Lab, LP
Project: 2C09003
Work Order: HS22030564

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS22030564-01	2C09003-01	Water		08-Mar-2022 12:26	10-Mar-2022 09:30	☐
HS22030564-02	2C09003-02	Water		08-Mar-2022 13:03	10-Mar-2022 09:30	☐
HS22030564-03	2C09003-03	Water		08-Mar-2022 13:41	10-Mar-2022 09:30	☐
HS22030564-04	2C09003-04	Water		08-Mar-2022 15:11	10-Mar-2022 09:30	☐
HS22030564-05	2C09003-05	Water		08-Mar-2022 16:15	10-Mar-2022 09:30	☐
HS22030564-06	2C09003-06	Water		08-Mar-2022 17:04	10-Mar-2022 09:30	☐

ALS Houston, US

Date: 17-Mar-22

Client: Permian Basin Environmental Lab, LP
Project: 2C09003
Work Order: HS22030564

CASE NARRATIVE**GC Semivolatiles by Method RSK-175****Batch ID: R404149**

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

WetChemistry by Method E415.1**Batch ID: R404318****Sample ID: 2C09003-01 (HS22030564-01)**

- The reporting limit(s) is/are elevated due to dilution for high concentrations of non-target analytes.

Sample ID: 2C09003-02 (HS22030564-02)

- The reporting limit(s) is/are elevated due to dilution for high concentrations of non-target analytes.

Sample ID: 2C09003-03 (HS22030564-03)

- The reporting limit(s) is/are elevated due to dilution for high concentrations of non-target analytes.

Sample ID: 2C09003-04 (HS22030564-04)

- The reporting limit(s) is/are elevated due to dilution for high concentrations of non-target analytes.

Sample ID: 2C09003-05 (HS22030564-05)

- The reporting limit(s) is/are elevated due to dilution for high concentrations of non-target analytes.

Sample ID: 2C09003-06 (HS22030564-06)

- The reporting limit(s) is/are elevated due to dilution for high concentrations of non-target analytes.

ALS Houston, US

Date: 17-Mar-22

Client:Permian Basin Environmental Lab, LP

Project:2C09003

Sample ID:2C09003-01

Collection Date:08-Mar-2022 12:26

ANALYTICAL REPORT

WorkOrder:HS22030564

Lab ID:HS22030564-01

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: PPM		
Ethane	1.04		1.00	ug/L	1	14-Mar-2022 11:21
Ethene	ND		1.00	ug/L	1	14-Mar-2022 11:21
Methane	1.51		0.500	ug/L	1	14-Mar-2022 11:21
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	ND		10.0	mg/L	10	16-Mar-2022 15:50

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

ALS Houston, US

Date: 17-Mar-22

Client:Permian Basin Environmental Lab, LP

Project:2C09003

Sample ID:2C09003-02

Collection Date:08-Mar-2022 13:03

ANALYTICAL REPORT

WorkOrder:HS22030564

Lab ID:HS22030564-02

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: PPM		
Ethane	ND		1.00	ug/L	1	14-Mar-2022 11:34
Ethene	1.24		1.00	ug/L	1	14-Mar-2022 11:34
Methane	8.93		0.500	ug/L	1	14-Mar-2022 11:34
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	ND		10.0	mg/L	10	16-Mar-2022 16:16

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

ALS Houston, US

Date: 17-Mar-22

Client:Permian Basin Environmental Lab, LP

Project:2C09003

Sample ID:2C09003-03

Collection Date:08-Mar-2022 13:41

ANALYTICAL REPORT

WorkOrder:HS22030564

Lab ID:HS22030564-03

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: PPM		
Ethane	ND		1.00	ug/L	1	14-Mar-2022 11:43
Ethene	1.55		1.00	ug/L	1	14-Mar-2022 11:43
Methane	15.8		0.500	ug/L	1	14-Mar-2022 11:43
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	ND		10.0	mg/L	10	16-Mar-2022 16:28

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

ALS Houston, US

Date: 17-Mar-22

Client:Permian Basin Environmental Lab, LP

Project:2C09003

Sample ID:2C09003-04

Collection Date:08-Mar-2022 15:11

ANALYTICAL REPORT

WorkOrder:HS22030564

Lab ID:HS22030564-04

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: PPM		
Ethane	ND		1.00	ug/L	1	14-Mar-2022 11:54
Ethene	ND		1.00	ug/L	1	14-Mar-2022 11:54
Methane	5,050		100	ug/L	200	14-Mar-2022 16:18
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	ND		10.0	mg/L	10	16-Mar-2022 16:41

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

ALS Houston, US

Date: 17-Mar-22

Client:Permian Basin Environmental Lab, LP

Project:2C09003

Sample ID:2C09003-05

Collection Date:08-Mar-2022 16:15

ANALYTICAL REPORT

WorkOrder:HS22030564

Lab ID:HS22030564-05

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: PPM		
Ethane	ND		1.00	ug/L	1	14-Mar-2022 12:09
Ethene	ND		1.00	ug/L	1	14-Mar-2022 12:09
Methane	1,000		50.0	ug/L	100	14-Mar-2022 16:27
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	ND		10.0	mg/L	10	16-Mar-2022 16:53

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

ALS Houston, US

Date: 17-Mar-22

Client:Permian Basin Environmental Lab, LP

Project:2C09003

Sample ID:2C09003-06

Collection Date:08-Mar-2022 17:04

ANALYTICAL REPORT

WorkOrder:HS22030564

Lab ID:HS22030564-06

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: PPM		
Ethane	ND		1.00	ug/L	1	14-Mar-2022 12:21
Ethene	8.80		1.00	ug/L	1	14-Mar-2022 12:21
Methane	950		50.0	ug/L	100	14-Mar-2022 16:35
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	ND		10.0	mg/L	10	16-Mar-2022 17:05

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

ALS Houston, US

Date: 17-Mar-22

Client: Permian Basin Environmental Lab, LP
Project: 2C09003
WorkOrder: HS22030564

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R404149 (0)		Test Name : DISSOLVED GASES BY RSK-175			Matrix: Water	
HS22030564-01	2C09003-01	08 Mar 2022 12:26			14 Mar 2022 11:21	1
HS22030564-02	2C09003-02	08 Mar 2022 13:03			14 Mar 2022 11:34	1
HS22030564-03	2C09003-03	08 Mar 2022 13:41			14 Mar 2022 11:43	1
HS22030564-04	2C09003-04	08 Mar 2022 15:11			14 Mar 2022 16:18	200
HS22030564-04	2C09003-04	08 Mar 2022 15:11			14 Mar 2022 11:54	1
HS22030564-05	2C09003-05	08 Mar 2022 16:15			14 Mar 2022 16:27	100
HS22030564-05	2C09003-05	08 Mar 2022 16:15			14 Mar 2022 12:09	1
HS22030564-06	2C09003-06	08 Mar 2022 17:04			14 Mar 2022 16:35	100
HS22030564-06	2C09003-06	08 Mar 2022 17:04			14 Mar 2022 12:21	1
Batch ID: R404318 (0)		Test Name : TOTAL ORGANIC CARBON BY E415.1			Matrix: Water	
HS22030564-01	2C09003-01	08 Mar 2022 12:26			16 Mar 2022 15:50	10
HS22030564-02	2C09003-02	08 Mar 2022 13:03			16 Mar 2022 16:16	10
HS22030564-03	2C09003-03	08 Mar 2022 13:41			16 Mar 2022 16:28	10
HS22030564-04	2C09003-04	08 Mar 2022 15:11			16 Mar 2022 16:41	10
HS22030564-05	2C09003-05	08 Mar 2022 16:15			16 Mar 2022 16:53	10
HS22030564-06	2C09003-06	08 Mar 2022 17:04			16 Mar 2022 17:05	10

ALS Houston, US

Date: 17-Mar-22

Client: Permian Basin Environmental Lab, LP
Project: 2C09003
WorkOrder: HS22030564

QC BATCH REPORT

Batch ID: R404149 (0)		Instrument: FID-4		Method: DISSOLVED GASES BY RSK-175					
MBLK	Sample ID: MBLK-220314	Units: ug/L		Analysis Date: 14-Mar-2022 09:18					
Client ID:	Run ID: FID-4_404149	SeqNo: 6544629		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Ethane	ND	1.00							
Ethene	ND	1.00							
Methane	ND	0.500							

LCS	Sample ID: LCS-220314	Units: ug/L		Analysis Date: 14-Mar-2022 09:26					
Client ID:	Run ID: FID-4_404149	SeqNo: 6544630		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Ethane	16.03	1.00	18.04	0	88.9	75 - 125			
Ethene	16.02	1.00	16.8	0	95.3	75 - 125			
Methane	11.78	0.500	9.647	0	122	75 - 125			

LCSD	Sample ID: LCSD-220314	Units: ug/L		Analysis Date: 14-Mar-2022 09:38					
Client ID:	Run ID: FID-4_404149	SeqNo: 6544631		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Ethane	14.78	1.00	18.04	0	81.9	75 - 125	16.03	8.12	30
Ethene	15.78	1.00	16.8	0	93.9	75 - 125	16.02	1.49	30
Methane	9.913	0.500	9.647	0	103	75 - 125	11.78	17.2	30

DUP	Sample ID: HS22030564-03DUP	Units: ug/L		Analysis Date: 14-Mar-2022 15:23					
Client ID: 2C09003-03	Run ID: FID-4_404149	SeqNo: 6544658		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Ethane	ND	1.00					0	0	30
Ethene	1.682	1.00					1.547	8.36	30
Methane	19.78	0.500					15.8	22.4	30

The following samples were analyzed in this batch:

HS22030564-01	HS22030564-02	HS22030564-03	HS22030564-04
HS22030564-05	HS22030564-06		

ALS Houston, US

Date: 17-Mar-22

Client: Permian Basin Environmental Lab, LP
Project: 2C09003
WorkOrder: HS22030564

QC BATCH REPORT

Batch ID: R404318 (0)		Instrument: TOC_04		Method: TOTAL ORGANIC CARBON BY E415.1					
MBLK	Sample ID: MBLK-03162022	Units: mg/L		Analysis Date: 16-Mar-2022 15:10					
Client ID:	Run ID: TOC_04_404318	SeqNo: 6548111		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Organic Carbon, Total	ND	1.00							
LCS	Sample ID: LCS-03162022	Units: mg/L		Analysis Date: 16-Mar-2022 15:24					
Client ID:	Run ID: TOC_04_404318	SeqNo: 6548112		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Organic Carbon, Total	9.51	1.00	10	0	95.1	85 - 115			
LCSD	Sample ID: LCSD-03162022	Units: mg/L		Analysis Date: 16-Mar-2022 15:38					
Client ID:	Run ID: TOC_04_404318	SeqNo: 6548113		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Organic Carbon, Total	9.497	1.00	10	0	95.0	85 - 115	9.51	0.137	20
MS	Sample ID: HS22030564-01MS	Units: mg/L		Analysis Date: 16-Mar-2022 16:04					
Client ID: 2C09003-01	Run ID: TOC_04_404318	SeqNo: 6548115		PrepDate:		DF: 10			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Organic Carbon, Total	110.7	10.0	100	-5.901	117	80 - 120			
The following samples were analyzed in this batch:									
HS22030564-01		HS22030564-02		HS22030564-03		HS22030564-04			
HS22030564-05		HS22030564-06							

ALS Houston, US

Date: 17-Mar-22

Client: Permian Basin Environmental Lab, LP
Project: 2C09003
WorkOrder: HS22030564

**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

ALS Houston, US

Date: 17-Mar-22

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	21-022-0	26-Mar-2022
Florida	E87611-34	30-Jun-2022
Illinois	2000322021-7	09-May-2022
Kansas	E-10352 2021-2022	31-Jul-2022
Kentucky	123043, 2021-2022	30-Apr-2022
Louisiana	03087, 2021-2022	30-Jun-2022
Texas	T104704231-21-28	30-Apr-2022

ALS Houston, US

Date: 17-Mar-22

Sample Receipt Checklist

Work Order ID: HS22030564

Date/Time Received: 10-Mar-2022 09:30

Client Name: Permian Basin Lab

Received by: Pablo Martinez

Completed By: /S/ Pablo Martinez	10-Mar-2022 18:10	Reviewed by: /S/ Bernadette A. Fini	11-Mar-2022 08:39
eSignature	Date/Time	eSignature	Date/Time

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 ☒
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	COC IDs:CLIENT
Samplers name present on COC?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
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):	0.6°C/1.1°C UC/C IR 31		
Cooler(s)/Kit(s):	RED		
Date/Time sample(s) sent to storage:	3/10/22 18:15		
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:



Phone: 432-686-7235
PBELAB_SUB COC V2

Sampler Signature: N/A

Permian Basin Environmental Lab, LP
2C09003



PO #:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

e-mail: brentbarron@pbelab.com

LAB # (lab use only)		FIELD CODE		Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers							Matrix	Analyze For:										48 HOUR	STANDARD 4 DAY								
										ICE	HNO ₃ 250 poly 1	HCl 3 40ml VOA	H ₂ SO ₄ 1 Amber 500 250 poly	NaOH /ZnAC 250 Poly 1	Na ₂ S ₂ O ₃	None Poly 500ml 250ml Glass Amber 1000	NONE 3 AMBER VOA VIALS	DW=Drinking Water Sl=Sludge	GW = Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	8270C PAH LL	METALS PCRA 8 TOTAL ICPMS/7471	TOC-SM 5310B	RSK-17S Methane Ethane Ethene	8270 TOTAL SEMIVOLATILE	8260 Complete List Total	Na, Ca, K, Mg Total ICP 6020	Cd TCLP ICP/MS 6020A	PCl	METHANOL 8015M	GLYCOLS-DI 8015B	8260B TCLP BENZENE	AMMONIA AS N				
		2C09003-01				3/8/2022	12:26	5	5	X	X							W			X	X														X	
		2C09003-02				3/8/2022	13:03	5	5	X	X							W			X	X													X		
		2C09003-03				3/8/2022	13:41	5	5	X	X							W			X	X													X		
		2C09003-04				3/8/2022	15:11	5	5	X	X							W			X	X													X		
		2C09003-05				3/8/2022	16:15	5	5	X	X							W			X	X													X		
		2C09003-06				3/8/2022	17:04	5	5	X	X							W			X	X													X		

Special Instructions:

Relinquished by:

Brent Barron

Date

3/9/22

Time

17:00

Received by:

Paul K

Date

3/10/22

Time

1:30

Relinquished by:

Date

Time

Received by:

Date

Time

Relinquished by:

Date

Time

Received by:

Date

Time

Laboratory Comments:

Sample Containers Intact?

Y

N

VOCs Free of Headspace?

Y

N

Labels on container(s)

Y

N

Custody seals on container(s)

Y

N

Custody seals on cooler(s)

Y

N

Sample Hand Delivered

Y

N

by Sampler/Client Rep. ?

Y

N

by Courier?

UPS

DHL

FedEx

Lone Star

Temperature Upon Receipt:

Received:

Adjusted:

°C

°C Factor

RF0 IR3, LT+OS



**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: 2E19002



Current Certification

Report Date: 05/24/22

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

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

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-13	2E19002-01	Water	05/17/22 08:15	05-19-2022 09:10
MW-18	2E19002-02	Water	05/17/22 08:52	05-19-2022 09:10

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

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

MW-13**2E19002-01 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.**Organics by GC**

Benzene	ND	0.00100	mg/L	1	P2E1911	05/19/22 13:57	05/20/22 13:01	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2E1911	05/19/22 13:57	05/20/22 13:01	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2E1911	05/19/22 13:57	05/20/22 13:01	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2E1911	05/19/22 13:57	05/20/22 13:01	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2E1911	05/19/22 13:57	05/20/22 13:01	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	97.6 %		80-120		P2E1911	05/19/22 13:57	05/20/22 13:01	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	97.4 %		80-120		P2E1911	05/19/22 13:57	05/20/22 13:01	EPA 8021B	

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

MW-18**2E19002-02 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.**Organics by GC**

Benzene	ND	0.00100	mg/L	1	P2E1911	05/19/22 13:57	05/20/22 13:22	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2E1911	05/19/22 13:57	05/20/22 13:22	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2E1911	05/19/22 13:57	05/20/22 13:22	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2E1911	05/19/22 13:57	05/20/22 13:22	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2E1911	05/19/22 13:57	05/20/22 13:22	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	101 %		80-120		P2E1911	05/19/22 13:57	05/20/22 13:22	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	96.4 %		80-120		P2E1911	05/19/22 13:57	05/20/22 13:22	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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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

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

Batch P2E1911 - General Preparation (GC)

Blank (P2E1911-BLK1)

Prepared & Analyzed: 05/19/22

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	0.119		"	0.120		99.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.9	80-120			

LCS (P2E1911-BS1)

Prepared & Analyzed: 05/19/22

Benzene	0.104	0.00100	mg/L	0.100		104	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)	0.224	0.00200	"	0.200		112	80-120			
Xylene (o)	0.110	0.00100	"	0.100		110	80-120			
Surrogate: 4-Bromofluorobenzene	0.127		"	0.120		105	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		103	80-120			

LCS Dup (P2E1911-BSD1)

Prepared & Analyzed: 05/19/22

Benzene	0.0985	0.00100	mg/L	0.100		98.5	80-120	5.91	20	
Toluene	0.103	0.00100	"	0.100		103	80-120	6.99	20	
Ethylbenzene	0.113	0.00100	"	0.100		113	80-120	5.21	20	
Xylene (p/m)	0.214	0.00200	"	0.200		107	80-120	4.85	20	
Xylene (o)	0.104	0.00100	"	0.100		104	80-120	5.09	20	
Surrogate: 4-Bromofluorobenzene	0.127		"	0.120		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			

Calibration Blank (P2E1911-CCB1)

Prepared & Analyzed: 05/19/22

Benzene	0.440		ug/l							
Toluene	0.190		"							
Ethylbenzene	0.350		"							
Xylene (p/m)	0.860		"							
Xylene (o)	0.460		"							
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		99.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.2	80-120			

Permian Basin Environmental Lab, L.P.

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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

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

Batch P2E1911 - General Preparation (GC)

Calibration Blank (P2E1911-CCB2)

Prepared: 05/19/22 Analyzed: 05/20/22

Benzene	0.490		ug/l							
Toluene	0.500		"							
Ethylbenzene	0.410		"							
Xylene (p/m)	1.52		"							
Xylene (o)	0.790		"							
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.2	80-120			

Calibration Blank (P2E1911-CCB3)

Prepared: 05/19/22 Analyzed: 05/20/22

Benzene	0.260		ug/l							
Toluene	0.180		"							
Ethylbenzene	0.490		"							
Xylene (p/m)	1.53		"							
Xylene (o)	0.590		"							
Surrogate: 4-Bromofluorobenzene	0.118		"	0.120		98.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		96.0	80-120			

Calibration Check (P2E1911-CCV1)

Prepared & Analyzed: 05/19/22

Benzene	0.104	0.00100	mg/L	0.102		102	80-120			
Toluene	0.107	0.00100	"	0.102		105	80-120			
Ethylbenzene	0.110	0.00100	"	0.102		108	80-120			
Xylene (p/m)	0.223	0.00200	"	0.204		109	80-120			
Xylene (o)	0.112	0.00100	"	0.102		109	80-120			
Surrogate: 4-Bromofluorobenzene	0.127		"	0.120		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		102	80-120			

Calibration Check (P2E1911-CCV2)

Prepared: 05/19/22 Analyzed: 05/20/22

Benzene	0.101	0.00100	mg/L	0.102		99.0	80-120			
Toluene	0.105	0.00100	"	0.102		103	80-120			
Ethylbenzene	0.108	0.00100	"	0.102		106	80-120			
Xylene (p/m)	0.217	0.00200	"	0.204		106	80-120			
Xylene (o)	0.108	0.00100	"	0.102		106	80-120			
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		100	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.6	80-120			

Permian Basin Environmental Lab, L.P.

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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

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

Batch P2E1911 - General Preparation (GC)

Calibration Check (P2E1911-CCV3)

Prepared: 05/19/22 Analyzed: 05/20/22

Benzene	0.101	0.00100	mg/L	0.102		98.7	80-120			
Toluene	0.101	0.00100	"	0.102		99.3	80-120			
Ethylbenzene	0.105	0.00100	"	0.102		103	80-120			
Xylene (p/m)	0.212	0.00200	"	0.204		104	80-120			
Xylene (o)	0.107	0.00100	"	0.102		105	80-120			
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.3	80-120			

Matrix Spike (P2E1911-MS1)

Source: 2E17008-01

Prepared: 05/19/22 Analyzed: 05/20/22

Benzene	0.112	0.00100	mg/L	0.100	ND	112	80-120			
Toluene	0.113	0.00100	"	0.100	ND	113	80-120			
Ethylbenzene	0.129	0.00100	"	0.100	ND	129	80-120			QM-05
Xylene (p/m)	0.235	0.00200	"	0.200	ND	118	80-120			
Xylene (o)	0.112	0.00100	"	0.100	ND	112	80-120			
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		98.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		94.6	80-120			

Matrix Spike Dup (P2E1911-MSD1)

Source: 2E17008-01

Prepared: 05/19/22 Analyzed: 05/20/22

Benzene	0.107	0.00100	mg/L	0.100	ND	107	80-120	4.95	20	
Toluene	0.108	0.00100	"	0.100	ND	108	80-120	4.78	20	
Ethylbenzene	0.120	0.00100	"	0.100	ND	120	80-120	6.75	20	
Xylene (p/m)	0.222	0.00200	"	0.200	ND	111	80-120	5.78	20	
Xylene (o)	0.107	0.00100	"	0.100	ND	107	80-120	4.51	20	
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.3	80-120			

Permian Basin Environmental Lab, L.P.

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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

Notes and Definitions

ROI Received on Ice

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.

pH1 The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.

NPBEL C Chain of Custody was not generated at PBELAB

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:

5/24/2022

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.

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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

Permian Basin Environmental Lab, L.P.

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DOC #: PBEL_SAMPLE_CHECKLIST
REVISION #: PBEL_2021_1
REVISION Date: 10/30/2021
EFFECTIVE DATE: 10/30/2021



DOC #: PBEL_SAMPLE_CHECKLIST
REVISION #: PBEL_2021_1
REVISION Date: 10/30/2021
EFFECTIVE DATE: 10/30/2021

Sample Receipt Checklist

Yes	Notes
☒	Chain of custody signed/dated/time when relinquished and received?
☒	Chain of custody signed/dated/time when received?
☒	Samplers name present on COC?
☒	Sample containers intact?
☒	Samples in proper container/bottle?
☒	All samples received within holding time?
☒	Analysis requested for all samples submitted?
☒	Custody seals intact on shipping container/cooler?

Login Notes:
HCL VOA
2E19002

SAMPLE VARIANCE/NON-CONFORMANCE

Variance/Discrepancy:

Resolution:

Client Contacted
Name:
Date/Time:
NC Initiated By: Approved By:

**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_MNA
Project Number: TNM 97-04
Location: Lea County, NM
Lab Order Number: 2E19001



Current Certification

Report Date: 05/26/22

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

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

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-10	2E19001-01	Water	05/18/22 14:24	05-19-2022 09:10
MW-15	2E19001-02	Water	05/18/22 14:57	05-19-2022 09:10
MW-14	2E19001-03	Water	05/18/22 15:36	05-19-2022 09:10
MW-5	2E19001-04	Water	05/18/22 16:49	05-19-2022 09:10
MW-9	2E19001-05	Water	05/18/22 17:21	05-19-2022 09:10
MW-6	2E19001-06	Water	05/18/22 18:08	05-19-2022 09:10

TOC and RSK-175 analysis 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_MNA
Project Number: TNM 97-04
Project Manager: Curt Stanley

MW-10
2E19001-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P2E1911	05/19/22 13:57	05/20/22 10:08	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2E1911	05/19/22 13:57	05/20/22 10:08	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2E1911	05/19/22 13:57	05/20/22 10:08	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2E1911	05/19/22 13:57	05/20/22 10:08	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2E1911	05/19/22 13:57	05/20/22 10:08	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	98.5 %		80-120		P2E1911	05/19/22 13:57	05/20/22 10:08	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	97.2 %		80-120		P2E1911	05/19/22 13:57	05/20/22 10:08	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P2E2603	05/24/22 12:00	05/24/22 12:00	8015M	SUB-13
Ethene	0.00105	0.00100	mg/L	1	P2E2603	05/24/22 12:00	05/24/22 12:00	8015M	SUB-13
Methane	0.00189	0.000500	mg/L	1	P2E2603	05/24/22 12:00	05/24/22 12:00	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

QAL1

Chemical Oxygen Demand	ND	1.10	mg/L	1	P2E2504	05/26/22 14:34	05/26/22 14:34	8000	QAL1
Nitrate as N	8.40	0.200	mg/L	1	P2E1906	05/19/22 11:56	05/20/22 10:15	EPA 300.0	
Sulfate	59.2	1.00	mg/L	1	P2E1906	05/19/22 11:56	05/20/22 10:15	EPA 300.0	
Total Organic Carbon	2.73	1.00	mg/L	1	P2E2603	05/23/22 18:33	05/23/22 18:33	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P2E2505	05/25/22 12:46	05/25/22 14:18	EPA 6010B	QAL1
Manganese	ND	0.100	mg/L	1	P2E2505	05/25/22 12:46	05/25/22 14:18	EPA 6010B	QAL1

Permian Basin Environmental Lab, L.P.

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

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

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

MW-15**2E19001-02 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.**Organics by GC**

Benzene	ND	0.00100	mg/L	1	P2E1911	05/19/22 13:57	05/20/22 10:30	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2E1911	05/19/22 13:57	05/20/22 10:30	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2E1911	05/19/22 13:57	05/20/22 10:30	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2E1911	05/19/22 13:57	05/20/22 10:30	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2E1911	05/19/22 13:57	05/20/22 10:30	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	95.6 %		80-120		P2E1911	05/19/22 13:57	05/20/22 10:30	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	96.6 %		80-120		P2E1911	05/19/22 13:57	05/20/22 10:30	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P2E2603	05/24/22 12:00	05/24/22 12:19	8015M	SUB-13
Ethene	0.00222	0.00100	mg/L	1	P2E2603	05/24/22 12:00	05/24/22 12:19	8015M	SUB-13
Methane	0.0575	0.00200	mg/L	4	P2E2603	05/24/22 12:00	05/24/22 13:26	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods**QAL1**

Chemical Oxygen Demand	ND	1.10	mg/L	1	P2E2504	05/26/22 14:34	05/26/22 14:34	8000	QAL1
Nitrate as N	2.12	0.200	mg/L	1	P2E1906	05/19/22 11:56	05/20/22 11:12	EPA 300.0	
Sulfate	72.3	1.00	mg/L	1	P2E1906	05/19/22 11:56	05/20/22 11:12	EPA 300.0	
Total Organic Carbon	1.94	1.00	mg/L	1	P2E2603	05/23/22 18:46	05/23/22 18:46	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P2E2505	05/25/22 12:46	05/25/22 14:21	EPA 6010B	QAL1
Manganese	0.0308	0.100	mg/L	1	P2E2505	05/25/22 12:46	05/25/22 14:21	EPA 6010B	J, QAL1

Permian Basin Environmental Lab, L.P.

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

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

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

MW-14**2E19001-03 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.**Organics by GC**

Benzene	ND	0.00100	mg/L	1	P2E1911	05/19/22 13:57	05/20/22 10:51	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2E1911	05/19/22 13:57	05/20/22 10:51	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2E1911	05/19/22 13:57	05/20/22 10:51	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2E1911	05/19/22 13:57	05/20/22 10:51	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2E1911	05/19/22 13:57	05/20/22 10:51	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	95.4 %		80-120		P2E1911	05/19/22 13:57	05/20/22 10:51	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	96.2 %		80-120		P2E1911	05/19/22 13:57	05/20/22 10:51	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P2E2603	05/24/22 12:00	05/24/22 12:27	8015M	SUB-13
Ethene	0.00152	0.00100	mg/L	1	P2E2603	05/24/22 12:00	05/24/22 12:27	8015M	SUB-13
Methane	0.0916	0.00250	mg/L	5	P2E2603	05/24/22 12:00	05/24/22 13:38	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods**QAL1**

Chemical Oxygen Demand	ND	1.10	mg/L	1	P2E2504	05/26/22 14:34	05/26/22 14:34	8000	QAL1
Nitrate as N	1.70	0.200	mg/L	1	P2E1906	05/19/22 11:56	05/20/22 11:31	EPA 300.0	
Sulfate	169	1.00	mg/L	1	P2E1906	05/19/22 11:56	05/20/22 11:31	EPA 300.0	
Total Organic Carbon	1.78	1.00	mg/L	1	P2E2603	05/23/22 18:59	05/23/22 18:59	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P2E2505	05/25/22 12:46	05/25/22 14:24	EPA 6010B	QAL1
Manganese	0.0943	0.100	mg/L	1	P2E2505	05/25/22 12:46	05/25/22 14:24	EPA 6010B	J, QAL1

Permian Basin Environmental Lab, L.P.

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

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

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

MW-5
2E19001-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	8.63	0.100	mg/L	100	P2E1911	05/19/22 13:57	05/23/22 10:24	EPA 8021B	
Toluene	3.46	0.0100	mg/L	10	P2E1911	05/19/22 13:57	05/20/22 16:59	EPA 8021B	
Ethylbenzene	1.08	0.0100	mg/L	10	P2E1911	05/19/22 13:57	05/20/22 16:59	EPA 8021B	
Xylene (p/m)	1.61	0.0200	mg/L	10	P2E1911	05/19/22 13:57	05/20/22 16:59	EPA 8021B	
Xylene (o)	0.707	0.0100	mg/L	10	P2E1911	05/19/22 13:57	05/20/22 16:59	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>98.9 %</i>				<i>P2E1911</i>	<i>05/19/22 13:57</i>	<i>05/20/22 16:59</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>98.1 %</i>				<i>P2E1911</i>	<i>05/19/22 13:57</i>	<i>05/20/22 16:59</i>	<i>EPA 8021B</i>	
Ethane	ND	0.00100	mg/L	1	P2E2603	05/24/22 12:00	05/24/22 12:51	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2E2603	05/24/22 12:00	05/24/22 12:51	8015M	SUB-13
Methane	4.01	0.200	mg/L	400	P2E2603	05/24/22 12:00	05/24/22 13:46	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

QAL1

Chemical Oxygen Demand	21.2	1.10	mg/L	1	P2E2504	05/26/22 14:34	05/26/22 14:34	8000	QAL1
Nitrate as N	0.408	0.200	mg/L	1	P2E1906	05/19/22 11:56	05/20/22 11:50	EPA 300.0	
Sulfate	2.66	1.00	mg/L	1	P2E1906	05/19/22 11:56	05/20/22 11:50	EPA 300.0	
Total Organic Carbon	5.14	1.00	mg/L	1	P2E2603	05/23/22 19:13	05/23/22 19:13	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	1.49	0.200	mg/L	1	P2E2505	05/25/22 12:46	05/25/22 14:28	EPA 6010B	QAL1
Manganese	0.269	0.100	mg/L	1	P2E2505	05/25/22 12:46	05/25/22 14:28	EPA 6010B	QAL1

Permian Basin Environmental Lab, L.P.

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

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

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

MW-9
2E19001-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	0.0146	0.00100	mg/L	1	P2E1911	05/19/22 13:57	05/20/22 12:18	EPA 8021B	
Toluene	0.0817	0.00100	mg/L	1	P2E1911	05/19/22 13:57	05/20/22 12:18	EPA 8021B	
Ethylbenzene	0.218	0.00100	mg/L	1	P2E1911	05/19/22 13:57	05/20/22 12:18	EPA 8021B	
Xylene (p/m)	0.669	0.00200	mg/L	1	P2E1911	05/19/22 13:57	05/20/22 12:18	EPA 8021B	
Xylene (o)	0.290	0.00100	mg/L	1	P2E1911	05/19/22 13:57	05/20/22 12:18	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		110 %	80-120		P2E1911	05/19/22 13:57	05/20/22 12:18	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		90.0 %	80-120		P2E1911	05/19/22 13:57	05/20/22 12:18	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P2E2603	05/24/22 12:00	05/24/22 12:59	8015M	SUB-13
Ethene	0.00288	0.00100	mg/L	1	P2E2603	05/24/22 12:00	05/24/22 12:59	8015M	SUB-13
Methane	0.286	0.0100	mg/L	20	P2E2603	05/24/22 12:00	05/24/22 13:54	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

QAL1

Chemical Oxygen Demand	5.00	1.10	mg/L	1	P2E2504	05/26/22 14:34	05/26/22 14:34	8000	QAL1
Nitrate as N	3.73	0.200	mg/L	1	P2E1906	05/19/22 11:56	05/20/22 12:09	EPA 300.0	
Sulfate	177	1.00	mg/L	1	P2E1906	05/19/22 11:56	05/20/22 12:09	EPA 300.0	
Total Organic Carbon	3.50	1.00	mg/L	1	P2E2603	05/23/22 19:26	05/23/22 19:26	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	0.999	0.200	mg/L	1	P2E2505	05/25/22 12:46	05/25/22 14:31	EPA 6010B	QAL1
Manganese	0.0111	0.100	mg/L	1	P2E2505	05/25/22 12:46	05/25/22 14:31	EPA 6010B	J, QAL1

Permian Basin Environmental Lab, L.P.

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

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

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

MW-6
2E19001-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	0.316	0.00100	mg/L	1	P2E1911	05/19/22 13:57	05/20/22 12:39	EPA 8021B	
Toluene	0.00307	0.00100	mg/L	1	P2E1911	05/19/22 13:57	05/20/22 12:39	EPA 8021B	
Ethylbenzene	0.0212	0.00100	mg/L	1	P2E1911	05/19/22 13:57	05/20/22 12:39	EPA 8021B	
Xylene (p/m)	0.0228	0.00200	mg/L	1	P2E1911	05/19/22 13:57	05/20/22 12:39	EPA 8021B	
Xylene (o)	0.00384	0.00100	mg/L	1	P2E1911	05/19/22 13:57	05/20/22 12:39	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>102 %</i>	<i>80-120</i>			<i>P2E1911</i>	<i>05/19/22 13:57</i>	<i>05/20/22 12:39</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>98.8 %</i>	<i>80-120</i>			<i>P2E1911</i>	<i>05/19/22 13:57</i>	<i>05/20/22 12:39</i>	<i>EPA 8021B</i>	
Ethane	ND	0.00100	mg/L	1	P2E2603	05/24/22 12:00	05/24/22 13:16	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2E2603	05/24/22 12:00	05/24/22 13:16	8015M	SUB-13
Methane	1.26	0.0500	mg/L	100	P2E2603	05/24/22 12:00	05/24/22 14:20	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

QAL1

Chemical Oxygen Demand	16.5	1.10	mg/L	1	P2E2504	05/26/22 14:34	05/26/22 14:34	8000	QAL1
Nitrate as N	0.843	0.200	mg/L	1	P2E1906	05/19/22 11:56	05/20/22 12:28	EPA 300.0	
Sulfate	39.8	1.00	mg/L	1	P2E1906	05/19/22 11:56	05/20/22 12:28	EPA 300.0	
Total Organic Carbon	5.88	1.00	mg/L	1	P2E2603	05/23/22 20:07	05/23/22 20:07	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	0.375	0.200	mg/L	1	P2E2505	05/25/22 12:46	05/25/22 14:34	EPA 6010B	QAL1
Manganese	0.140	0.100	mg/L	1	P2E2505	05/25/22 12:46	05/25/22 14:34	EPA 6010B	QAL1

Permian Basin Environmental Lab, L.P.

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

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

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

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

Batch P2E1911 - General Preparation (GC)

Blank (P2E1911-BLK1)

Prepared & Analyzed: 05/19/22

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	0.119		"	0.120		99.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.9	80-120			

LCS (P2E1911-BS1)

Prepared & Analyzed: 05/19/22

Benzene	0.104	0.00100	mg/L	0.100		104	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)	0.224	0.00200	"	0.200		112	80-120			
Xylene (o)	0.110	0.00100	"	0.100		110	80-120			
Surrogate: 4-Bromofluorobenzene	0.127		"	0.120		105	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		103	80-120			

LCS Dup (P2E1911-BSD1)

Prepared & Analyzed: 05/19/22

Benzene	0.0985	0.00100	mg/L	0.100		98.5	80-120	5.91	20	
Toluene	0.103	0.00100	"	0.100		103	80-120	6.99	20	
Ethylbenzene	0.113	0.00100	"	0.100		113	80-120	5.21	20	
Xylene (p/m)	0.214	0.00200	"	0.200		107	80-120	4.85	20	
Xylene (o)	0.104	0.00100	"	0.100		104	80-120	5.09	20	
Surrogate: 4-Bromofluorobenzene	0.127		"	0.120		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			

Calibration Blank (P2E1911-CCB1)

Prepared & Analyzed: 05/19/22

Benzene	0.440		ug/l							
Toluene	0.190		"							
Ethylbenzene	0.350		"							
Xylene (p/m)	0.860		"							
Xylene (o)	0.460		"							
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		99.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.2	80-120			

Permian Basin Environmental Lab, L.P.

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

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

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

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

Batch P2E1911 - General Preparation (GC)

Calibration Blank (P2E1911-CCB2)

Prepared: 05/19/22 Analyzed: 05/20/22

Benzene	0.490		ug/l							
Toluene	0.500		"							
Ethylbenzene	0.410		"							
Xylene (p/m)	1.52		"							
Xylene (o)	0.790		"							
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.2	80-120			

Calibration Blank (P2E1911-CCB3)

Prepared: 05/19/22 Analyzed: 05/20/22

Benzene	0.260		ug/l							
Toluene	0.180		"							
Ethylbenzene	0.490		"							
Xylene (p/m)	1.53		"							
Xylene (o)	0.590		"							
Surrogate: 4-Bromofluorobenzene	0.118		"	0.120		98.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		96.0	80-120			

Calibration Check (P2E1911-CCV1)

Prepared & Analyzed: 05/19/22

Benzene	0.104	0.00100	mg/L	0.102		102	80-120			
Toluene	0.107	0.00100	"	0.102		105	80-120			
Ethylbenzene	0.110	0.00100	"	0.102		108	80-120			
Xylene (p/m)	0.223	0.00200	"	0.204		109	80-120			
Xylene (o)	0.112	0.00100	"	0.102		109	80-120			
Surrogate: 4-Bromofluorobenzene	0.127		"	0.120		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		102	80-120			

Calibration Check (P2E1911-CCV2)

Prepared: 05/19/22 Analyzed: 05/20/22

Benzene	0.101	0.00100	mg/L	0.102		99.0	80-120			
Toluene	0.105	0.00100	"	0.102		103	80-120			
Ethylbenzene	0.108	0.00100	"	0.102		106	80-120			
Xylene (p/m)	0.217	0.00200	"	0.204		106	80-120			
Xylene (o)	0.108	0.00100	"	0.102		106	80-120			
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		100	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.6	80-120			

Permian Basin Environmental Lab, L.P.

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

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

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

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

Batch P2E1911 - General Preparation (GC)

Calibration Check (P2E1911-CCV3)

Prepared: 05/19/22 Analyzed: 05/20/22

Benzene	0.101	0.00100	mg/L	0.102		98.7	80-120			
Toluene	0.101	0.00100	"	0.102		99.3	80-120			
Ethylbenzene	0.105	0.00100	"	0.102		103	80-120			
Xylene (p/m)	0.212	0.00200	"	0.204		104	80-120			
Xylene (o)	0.107	0.00100	"	0.102		105	80-120			
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.3	80-120			

Matrix Spike (P2E1911-MS1)

Source: 2E17008-01

Prepared: 05/19/22 Analyzed: 05/20/22

Benzene	0.112	0.00100	mg/L	0.100	ND	112	80-120			
Toluene	0.113	0.00100	"	0.100	ND	113	80-120			
Ethylbenzene	0.129	0.00100	"	0.100	ND	129	80-120			QM-05
Xylene (p/m)	0.235	0.00200	"	0.200	ND	118	80-120			
Xylene (o)	0.112	0.00100	"	0.100	ND	112	80-120			
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		98.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		94.6	80-120			

Matrix Spike Dup (P2E1911-MSD1)

Source: 2E17008-01

Prepared: 05/19/22 Analyzed: 05/20/22

Benzene	0.107	0.00100	mg/L	0.100	ND	107	80-120	4.95	20	
Toluene	0.108	0.00100	"	0.100	ND	108	80-120	4.78	20	
Ethylbenzene	0.120	0.00100	"	0.100	ND	120	80-120	6.75	20	
Xylene (p/m)	0.222	0.00200	"	0.200	ND	111	80-120	5.78	20	
Xylene (o)	0.107	0.00100	"	0.100	ND	107	80-120	4.51	20	
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.3	80-120			

Permian Basin Environmental Lab, L.P.

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

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

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

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

Batch P2E1906 - * DEFAULT PREP *****

Blank (P2E1906-BLK1) Prepared: 05/19/22 Analyzed: 05/20/22

Nitrate as N	ND	0.200	mg/L							
Sulfate	ND	1.00	"							

LCS (P2E1906-BS1) Prepared: 05/19/22 Analyzed: 05/20/22

Nitrate as N	8.05		mg/L	8.00		101	90-110			
Sulfate	40.8		"	40.0		102	90-110			

LCS Dup (P2E1906-BSD1) Prepared: 05/19/22 Analyzed: 05/20/22

Nitrate as N	7.87		mg/L	8.00		98.4	90-110	2.25	10	
Sulfate	39.8		"	40.0		99.5	90-110	2.35	10	

Matrix Spike (P2E1906-MS1) Source: 2E19001-01 Prepared: 05/19/22 Analyzed: 05/20/22

Sulfate	62.9	1.00	mg/L	25.0	59.2	14.8	80-120			QM-07
Nitrate as N	9.13	0.200	"	5.00	8.40	14.7	80-120			QM-07

Matrix Spike Dup (P2E1906-MSD1) Source: 2E19001-01 Prepared: 05/19/22 Analyzed: 05/20/22

Sulfate	51.7	1.00	mg/L	25.0	59.2	NR	80-120	19.5	20	QM-07
Nitrate as N	9.00	0.200	"	5.00	8.40	12.2	80-120	1.40	20	QM-07

Batch P2E2504 - * DEFAULT PREP *****

Blank (P2E2504-BLK1) Prepared & Analyzed: 05/26/22 **QAL1**

Chemical Oxygen Demand	ND	1.10	mg/L							QAL1

Blank (P2E2504-BLK2) Prepared & Analyzed: 05/26/22 **QAL1**

Chemical Oxygen Demand	ND	1.10	mg/L							QAL1

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

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

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

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

Batch P2E2504 - * DEFAULT PREP *****

LCS (P2E2504-BS1) Prepared & Analyzed: 05/26/22 **QAL1**

Chemical Oxygen Demand	94.0	1.10	mg/L	100	94.0	80-120				QAL1

LCS (P2E2504-BS2) Prepared & Analyzed: 05/26/22 **QAL1**

Chemical Oxygen Demand	1070	1.10	mg/L	1000	107	80-120				QAL1

LCS Dup (P2E2504-BSD1) Prepared & Analyzed: 05/26/22 **QAL1**

Chemical Oxygen Demand	101	1.10	mg/L	100	101	80-120	7.18	20		QAL1

LCS Dup (P2E2504-BSD2) Prepared & Analyzed: 05/26/22 **QAL1**

Chemical Oxygen Demand	1120	1.10	mg/L	1000	112	80-120	4.40	20		QAL1

Calibration Check (P2E2504-CCV1) Prepared & Analyzed: 05/26/22 **QAL1**

Chemical Oxygen Demand	98.0	1.10	mg/L	100	98.0	80-120				

Calibration Check (P2E2504-CCV2) Prepared & Analyzed: 05/26/22 **QAL1**

Chemical Oxygen Demand	101	1.10	mg/L	100	101	80-120				

Calibration Check (P2E2504-CCV3) Prepared & Analyzed: 05/26/22 **QAL1**

Chemical Oxygen Demand	1150	1.10	mg/L	1000	115	80-120				

Calibration Check (P2E2504-CCV4) Prepared & Analyzed: 05/26/22 **QAL1**

Chemical Oxygen Demand	1150	1.10	mg/L	1000	115	80-120				

Duplicate (P2E2504-DUP1) Source: 2E18002-01 Prepared & Analyzed: 05/26/22 **QAL1**

Chemical Oxygen Demand	7870	1.10	mg/L		7310		7.38	20		

Duplicate (P2E2504-DUP2) Source: 2E20003-06 Prepared & Analyzed: 05/26/22 **QAL1**

Chemical Oxygen Demand	7870	1.10	mg/L		ND		200	20		QM-05

Permian Basin Environmental Lab, L.P.

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

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

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

Batch P2E2504 - * DEFAULT PREP *****

Matrix Spike (P2E2504-MS1)	Source: 2E20003-04		Prepared & Analyzed: 05/26/22						QAL1	
Chemical Oxygen Demand	ND	1.10	mg/L	100	43.0	NR	80-120			QAL1, QM-05
Matrix Spike (P2E2504-MS2)	Source: 2E18002-08		Prepared & Analyzed: 05/26/22						QAL1	
Chemical Oxygen Demand	13600	1.10	mg/L	10000	6710	68.4	80-120			QM-05
Matrix Spike Dup (P2E2504-MSD1)	Source: 2E20003-04		Prepared & Analyzed: 05/26/22						QAL1	
Chemical Oxygen Demand	ND	1.10	mg/L	100	43.0	NR	80-120	20		QAL1, QM-05
Matrix Spike Dup (P2E2504-MSD2)	Source: 2E18002-08		Prepared & Analyzed: 05/26/22						QAL1	
Chemical Oxygen Demand	ND	1.10	mg/L	10000	6710	NR	80-120	200	20	QM-05

Permian Basin Environmental Lab, L.P.

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

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

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

Dissolved 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 P2E2505 - *** DEFAULT PREP ***										
Blank (P2E2505-BLK1)				Prepared & Analyzed: 05/25/22						
Iron	ND	0.200	mg/L							QAL1
Manganese	ND	0.100	"							QAL1
LCS (P2E2505-BS1)				Prepared & Analyzed: 05/25/22						
Manganese	0.202	0.100	mg/L	0.200		101	85-115			QAL1
Iron	0.425	0.200	"	0.400		106	80-120			QAL1
LCS Dup (P2E2505-BSD1)				Prepared & Analyzed: 05/25/22						
Iron	0.427	0.200	mg/L	0.400		107	80-120	0.470	20	QAL1
Manganese	0.205	0.100	"	0.200		102	85-115	1.22	20	QAL1
Calibration Blank (P2E2505-CCB1)				Prepared & Analyzed: 05/25/22						
Iron	0.0127		mg/L							QAL1
Manganese	-0.00120		"							QAL1
Calibration Blank (P2E2505-CCB2)				Prepared & Analyzed: 05/25/22						
Iron	0.00559		mg/L							QAL1
Manganese	-0.00251		"							QAL1
Calibration Check (P2E2505-CCV1)				Prepared & Analyzed: 05/25/22						
Manganese	0.209	0.100	mg/L	0.200		104	90-110			QAL1
Iron	0.416	0.200	"	0.400		104	80-120			QAL1
Calibration Check (P2E2505-CCV2)				Prepared & Analyzed: 05/25/22						
Manganese	0.203	0.100	mg/L	0.200		101	90-110			QAL1
Iron	0.446	0.200	"	0.400		112	80-120			QAL1
Calibration Check (P2E2505-CCV3)				Prepared & Analyzed: 05/25/22						
Manganese	0.203	0.100	mg/L	0.200		101	90-110			QAL1
Iron	0.436	0.200	"	0.400		109	80-120			QAL1

Permian Basin Environmental Lab, L.P.

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

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

Dissolved 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 P2E2505 - * DEFAULT PREP *****

Matrix Spike (P2E2505-MS1)		Source: 2E19001-01		Prepared & Analyzed: 05/25/22						
Manganese	0.211	0.100	mg/L	0.200	ND	105	75-125			QAL1
Iron	0.477	0.200	"	0.400	0.0422	109	75-125			QAL1
Matrix Spike Dup (P2E2505-MSD1)		Source: 2E19001-01		Prepared & Analyzed: 05/25/22						
Manganese	0.196	0.100	mg/L	0.200	ND	97.9	75-125	7.30	20	QAL1
Iron	0.472	0.200	"	0.400	0.0422	107	75-125	1.15	20	QAL1

Permian Basin Environmental Lab, L.P.

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

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

Notes and Definitions

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

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.

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.

QAL1 The Laboratory is not TNI Certified for this analyte or analysis.

pH1 The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.

NPBEL C Chain of Custody was not generated at PBELAB

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:

5/26/2022

Permian Basin Environmental Lab, L.P.

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

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

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

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.



CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-661-4184

Page 2 of 2

Project Manager: Curt Stanley

Company Name TRC Environmental Corporation

Company Address: 10 Desta Drive, Ste 130E

City/State/Zip: Midland/TX 79703

Telephone No: (432) 520 7720

Sampler Signature:

(lab use only)

ORDER #: 2219001

e-mail: cdstanley@trcsolutions.com

clbryant@paalp.com
khuddgens@paalp.com

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

PO #:

Project Name: 97-04

Project #: TNM 97-04

Project Loc: Lea County, New Mexico

Page 19 of 37

[illegible]



DOC #: PBEL_SAMPLE_CHECKLIST
REVISION #: PBEL_2021_1
REVISION Date: 10/30/2021
EFFECTIVE DATE: 10/30/2021

Sample Receipt Checklist

Yes	Notes
✓	Chain of custody received?
	Chain of custody signed/dated/time when relinquished and received?
	Chain of custody chain present on COC for all samples?
	Sampler's name present on COC?
	Number of samples received in sealed barrels?
✓	Sample containers intact?
X	Are any seals intact on sample barrels?
✓	Samples in proper container/bottle?
✓	Sealed sample container indicated on COC?
	All samples received within holding time?
	Seals on individual bottles properly indicated on COC?
	Analysis requested for all samples submitted?
	Seals on wellhead cooler, 115444, 115445, 115447?
	Custody seals intact on shipping container/cooler?

PBEL_SAMPLE_CHECKLIST_2021_1

Page 1 of 2

Login Notes:

Assort Poly
Hel Vaa

2E19001



DOC #: PBEL_SAMPLE_CHECKLIST
REVISION #: PBEL_2021_1
REVISION Date: 10/30/2021
EFFECTIVE DATE: 10/30/2021

SAMPLE VARIANCE/NON-CONFORMANCE

Variance/Discrepancy:
Resolution:
Client Contacted Name: Date/Time: NC Initiated by: Approved by:

PBEL_SAMPLE_CHECKLIST_2021_1

Page 2 of 2



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

May 25, 2022

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

Work Order: **HS22050960**

Laboratory Results for: **2E19001**

Dear Brent Barron,

ALS Environmental received 6 sample(s) on May 20, 2022 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

ALS Houston, US

Date: 25-May-22

Client: Permian Basin Environmental Lab, LP
Project: 2E19001
Work Order: HS22050960

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS22050960-01	2E19001-01	Water		18-May-2022 14:24	20-May-2022 09:10	☐
HS22050960-02	2E19001-02	Water		18-May-2022 14:57	20-May-2022 09:10	☐
HS22050960-03	2E19001-03	Water		18-May-2022 15:36	20-May-2022 09:10	☐
HS22050960-04	2E19001-04	Water		18-May-2022 16:49	20-May-2022 09:10	☐
HS22050960-05	2E19001-05	Water		18-May-2022 17:21	20-May-2022 09:10	☐
HS22050960-06	2E19001-06	Water		18-May-2022 18:08	20-May-2022 09:10	☐

ALS Houston, US

Date: 25-May-22

Client: Permian Basin Environmental Lab, LP
Project: 2E19001
Work Order: HS22050960

CASE NARRATIVE

GC Semivolatiles by Method RSK-175

Batch ID: R409343

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

WetChemistry by Method E415.1

Batch ID: R409185

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

ALS Houston, US

Date: 25-May-22

Client:Permian Basin Environmental Lab, LP

Project:2E19001

Sample ID:2E19001-01

Collection Date:18-May-2022 14:24

ANALYTICAL REPORT

WorkOrder:HS22050960

Lab ID:HS22050960-01

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: PPM		
Ethane	ND		1.00	ug/L	1	24-May-2022 12:00
Ethene	1.05		1.00	ug/L	1	24-May-2022 12:00
Methane	1.89		0.500	ug/L	1	24-May-2022 12:00
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: SB		
Organic Carbon, Total	2.73		1.00	mg/L	1	23-May-2022 18:33

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

ALS Houston, US

Date: 25-May-22

Client:Permian Basin Environmental Lab, LP

Project:2E19001

Sample ID:2E19001-02

Collection Date:18-May-2022 14:57

ANALYTICAL REPORT

WorkOrder:HS22050960

Lab ID:HS22050960-02

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: PPM		
Ethane	ND		1.00	ug/L	1	24-May-2022 12:19
Ethene	2.22		1.00	ug/L	1	24-May-2022 12:19
Methane	57.5		2.00	ug/L	4	24-May-2022 13:26
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: SB		
Organic Carbon, Total	1.94		1.00	mg/L	1	23-May-2022 18:46

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

ALS Houston, US

Date: 25-May-22

Client:Permian Basin Environmental Lab, LP

Project:2E19001

Sample ID:2E19001-03

Collection Date:18-May-2022 15:36

ANALYTICAL REPORT

WorkOrder:HS22050960

Lab ID:HS22050960-03

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: PPM		
Ethane	ND		1.00	ug/L	1	24-May-2022 12:27
Ethene	1.52		1.00	ug/L	1	24-May-2022 12:27
Methane	91.6		2.50	ug/L	5	24-May-2022 13:38
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: SB		
Organic Carbon, Total	1.78		1.00	mg/L	1	23-May-2022 18:59

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

ALS Houston, US

Date: 25-May-22

Client:Permian Basin Environmental Lab, LP

Project:2E19001

Sample ID:2E19001-04

Collection Date:18-May-2022 16:49

ANALYTICAL REPORT

WorkOrder:HS22050960

Lab ID:HS22050960-04

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: PPM		
Ethane	ND		1.00	ug/L	1	24-May-2022 12:51
Ethene	ND		1.00	ug/L	1	24-May-2022 12:51
Methane	4,010		200	ug/L	400	24-May-2022 13:46
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: SB		
Organic Carbon, Total	5.14		1.00	mg/L	1	23-May-2022 19:13

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

ALS Houston, US

Date: 25-May-22

Client:Permian Basin Environmental Lab, LP

Project:2E19001

Sample ID:2E19001-05

Collection Date:18-May-2022 17:21

ANALYTICAL REPORT

WorkOrder:HS22050960

Lab ID:HS22050960-05

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: PPM		
Ethane	ND		1.00	ug/L	1	24-May-2022 12:59
Ethene	2.88		1.00	ug/L	1	24-May-2022 12:59
Methane	286		10.0	ug/L	20	24-May-2022 13:54
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: SB		
Organic Carbon, Total	3.50		1.00	mg/L	1	23-May-2022 19:26

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

ALS Houston, US

Date: 25-May-22

Client:Permian Basin Environmental Lab, LP

Project:2E19001

Sample ID:2E19001-06

Collection Date:18-May-2022 18:08

ANALYTICAL REPORT

WorkOrder:HS22050960

Lab ID:HS22050960-06

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: PPM		
Ethane	ND		1.00	ug/L	1	24-May-2022 13:16
Ethene	ND		1.00	ug/L	1	24-May-2022 13:16
Methane	1,260		50.0	ug/L	100	24-May-2022 14:20
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: SB		
Organic Carbon, Total	5.88		1.00	mg/L	1	23-May-2022 20:07

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

ALS Houston, US

Date: 25-May-22

Client: Permian Basin Environmental Lab, LP
Project: 2E19001
WorkOrder: HS22050960

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R409185 (0)		Test Name : TOTAL ORGANIC CARBON BY E415.1			Matrix: Water	
HS22050960-01	2E19001-01	18 May 2022 14:24			23 May 2022 18:33	1
HS22050960-02	2E19001-02	18 May 2022 14:57			23 May 2022 18:46	1
HS22050960-03	2E19001-03	18 May 2022 15:36			23 May 2022 18:59	1
HS22050960-04	2E19001-04	18 May 2022 16:49			23 May 2022 19:13	1
HS22050960-05	2E19001-05	18 May 2022 17:21			23 May 2022 19:26	1
HS22050960-06	2E19001-06	18 May 2022 18:08			23 May 2022 20:07	1
Batch ID: R409343 (0)		Test Name : DISSOLVED GASES BY RSK-175			Matrix: Water	
HS22050960-01	2E19001-01	18 May 2022 14:24			24 May 2022 12:00	1
HS22050960-02	2E19001-02	18 May 2022 14:57			24 May 2022 13:26	4
HS22050960-02	2E19001-02	18 May 2022 14:57			24 May 2022 12:19	1
HS22050960-03	2E19001-03	18 May 2022 15:36			24 May 2022 13:38	5
HS22050960-03	2E19001-03	18 May 2022 15:36			24 May 2022 12:27	1
HS22050960-04	2E19001-04	18 May 2022 16:49			24 May 2022 13:46	400
HS22050960-04	2E19001-04	18 May 2022 16:49			24 May 2022 12:51	1
HS22050960-05	2E19001-05	18 May 2022 17:21			24 May 2022 13:54	20
HS22050960-05	2E19001-05	18 May 2022 17:21			24 May 2022 12:59	1
HS22050960-06	2E19001-06	18 May 2022 18:08			24 May 2022 14:20	100
HS22050960-06	2E19001-06	18 May 2022 18:08			24 May 2022 13:16	1

ALS Houston, US

Date: 25-May-22

Client: Permian Basin Environmental Lab, LP
Project: 2E19001
WorkOrder: HS22050960

QC BATCH REPORT

Batch ID: R409343 (0)		Instrument: FID-4		Method: DISSOLVED GASES BY RSK-175					
MBLK	Sample ID: MBLK-220524	Units: ug/L		Analysis Date: 24-May-2022 08:59					
Client ID:	Run ID: FID-4_409343		SeqNo: 6663693		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual

Ethane	ND	1.00							
Ethene	ND	1.00							
Methane	ND	0.500							

LCS	Sample ID: LCS-220524	Units: ug/L		Analysis Date: 24-May-2022 09:14					
Client ID:	Run ID: FID-4_409343		SeqNo: 6663694		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual

Ethane	19.88	1.00	18.04	0	110	75 - 125			
Ethene	17.54	1.00	16.8	0	104	75 - 125			
Methane	11.49	0.500	9.647	0	119	75 - 125			

LCSD	Sample ID: LCSD-220524	Units: ug/L		Analysis Date: 24-May-2022 09:23					
Client ID:	Run ID: FID-4_409343		SeqNo: 6663695		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual

Ethane	16.24	1.00	18.04	0	90.0	75 - 125	19.88	20.2	30
Ethene	15.09	1.00	16.8	0	89.9	75 - 125	17.54	15	30
Methane	8.575	0.500	9.647	0	88.9	75 - 125	11.49	29.1	30

DUP	Sample ID: HS22050645-16DUP	Units: ug/L		Analysis Date: 24-May-2022 11:17					
Client ID:	Run ID: FID-4_409343		SeqNo: 6663706		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual

Ethane	ND	1.00					0	0	30
Ethene	ND	1.00					2.301	0	30
Methane	6.277	0.500					7.25	14.4	30

The following samples were analyzed in this batch:

HS22050960-01	HS22050960-02	HS22050960-03	HS22050960-04
HS22050960-05	HS22050960-06		

ALS Houston, US

Date: 25-May-22

Client: Permian Basin Environmental Lab, LP
Project: 2E19001
WorkOrder: HS22050960

QC BATCH REPORT

Batch ID: R409185 (0)		Instrument: TOC_04		Method: TOTAL ORGANIC CARBON BY E415.1							
MBLK	Sample ID: MBLK-05132022	Units: mg/L		Analysis Date: 23-May-2022 17:22							
Client ID:	Run ID: TOC_04_409185	SeqNo: 6660182		PrepDate:		DF: 1					
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Organic Carbon, Total	ND	1.00									
LCS	Sample ID: LCS-05132022	Units: mg/L		Analysis Date: 23-May-2022 17:36							
Client ID:	Run ID: TOC_04_409185	SeqNo: 6660183		PrepDate:		DF: 1					
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Organic Carbon, Total	9.61	1.00	10	0	96.1	85 - 115					
LCSD	Sample ID: LCSD-05132022	Units: mg/L		Analysis Date: 23-May-2022 17:50							
Client ID:	Run ID: TOC_04_409185	SeqNo: 6660184		PrepDate:		DF: 1					
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Organic Carbon, Total	9.837	1.00	10	0	98.4	85 - 115	9.61	2.33	20		
MS	Sample ID: HS22050397-01MS	Units: mg/L		Analysis Date: 23-May-2022 18:20							
Client ID:	Run ID: TOC_04_409185	SeqNo: 6660186		PrepDate:		DF: 1					
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Organic Carbon, Total	21.32	1.00	10	11.05	103	80 - 120					
The following samples were analyzed in this batch:				HS22050960-01 HS22050960-05		HS22050960-02 HS22050960-06		HS22050960-03		HS22050960-04	

ALS Houston, US

Date: 25-May-22

Client: Permian Basin Environmental Lab, LP
Project: 2E19001
WorkOrder: HS22050960

**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

ALS Houston, US

Date: 25-May-22

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Dept of Defense	L21-682	31-Dec-2023
Florida	E87611-34	30-Jun-2022
Illinois	2000322022-9	09-May-2023
Kansas	E-10352 2021-2022	31-Jul-2022
Louisiana	03087, 2021-2022	30-Jun-2022
Maryland	343, 2021-2022	30-Jun-2022
North Carolina	624-2022	31-Dec-2022
Oklahoma	2021-080	31-Aug-2022
Texas	T104704231-22-29	30-Apr-2023
Utah	TX026932021-12	30-Jul-2022

ALS Houston, US

Date: 25-May-22

Sample Receipt Checklist

Work Order ID: HS22050960

Date/Time Received: 20-May-2022 09:10

Client Name: Permian Basin Lab

Received by: Pablo Martinez

Completed By: <u>/S/ Pablo Martinez</u>	20-May-2022 16:26	Reviewed by: <u>/S/ Bernadette A. Fini</u>	23-May-2022 09:21
eSignature	Date/Time	eSignature	Date/Time

Matrices: **IR 31**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 ☒
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	COC IDs: CLIENT
Samplers name present on COC?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
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):	0.4°C/0.9°C UC/C		
Cooler(s)/Kit(s):	RED		
Date/Time sample(s) sent to storage:	0.4		
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
PBELAB_SUB_COC_V2

HS22050960

Permian Basin Environmental Lab, LP
2E19001



Report Format: ☒ Standard ☐ TRRP ☐ NPDES

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

LAB # (lab use only)		FIELD CODE		Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers										Matrix	Analyze For:												48 HOUR	STANDARD				
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 3 40mL VOA	H ₂ SO ₄	NaOH / ZNAC 250 Poly 1	Na ₂ SO ₃	None Poly 500mL 240mL Glass Amber 1000 500 mL	NONE 3 AMBER VOAA VIALS	DW: Drinking Water SL: Sludge	GW: Groundwater S: Soil/Solid	NP: Non-Portable Specific Other	8270C PAH	METALS RCRA 8 TCLP CFMS/7471	8260B TCLP BENZENE	MSK-175 Methane, Ethane, Ethylene	8270 TOTAL SEMIVOLATILE	TOC-SM 5310B	Min, Fe, Al Total ICP 200.7	Pb Total ICP-MS 6020A	NORM 9011M	METHANOL 8015M	GLYCOLS-DI 8015B	AMMONIA AS N	BOD-SM5210B-2011	48 HOUR	STANDARD			
		2E19001-01				5/18/2022	14:24		4	X	X	X							W				X	X														
		2E19001-02				5/18/2022	14:57		4	X	X	X						W				X	X															
		2E19001-03				5/18/2022	15:36		4	X	X	X						W				X	X															
		2E19001-04				5/18/2022	16:49		4	X	X	X						W				X	X															
		2E19001-05				5/18/2022	17:21		4	X	X	X						W				X	X															
		2E19001-06				5/18/2022	18:08		4	X	X	X						W				X	X															

Special Instructions:

Laboratory Comments:

Relinquished by:	Date	Time	Received by:	Date	Time	Sample Containers Intact?	Y	N
Brent Barron	5/19/22	17:00	<i>[Signature]</i>	5/20/22	9:10	VOCs Free of Headspace?	Y	N
Relinquished by:	Date	Time	Received by:	Date	Time	Labels on container(s)	Y	N
						Custody seals on container(s)	Y	N
Relinquished by:	Date	Time	Received by:	Date	Time	Custody seals on cooler(s)	Y	N
						Sample Hand Delivered	Y	N
						by Sampler/Client Rep.?	Y	N
						by Courier?	Y	N
						Temperature Upon Receipt:	6.4°C	
						Received:	6.4°C	
						Adjusted:		

REO 1231 CFC-5



484756 19May2022 MAT A 56055/1606/C880

TRK# 8166 9602 6324

AB SGRA

FRI - 20 MAY AA

STANDARD OVERNIGHT

RED

77099

TX-US
IAH



**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: 2H10004



Current Certification

Report Date: 08/19/22

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

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

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-13	2H10004-01	Water	08/08/22 12:47	08-10-2022 09:25
MW-18	2H10004-02	Water	08/08/22 13:15	08-10-2022 09:25

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

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

MW-13
2H10004-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P2H1203	08/12/22 11:58	08/12/22 20:30	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2H1203	08/12/22 11:58	08/12/22 20:30	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2H1203	08/12/22 11:58	08/12/22 20:30	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2H1203	08/12/22 11:58	08/12/22 20:30	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2H1203	08/12/22 11:58	08/12/22 20:30	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	98.1 %		80-120		P2H1203	08/12/22 11:58	08/12/22 20:30	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	96.9 %		80-120		P2H1203	08/12/22 11:58	08/12/22 20:30	EPA 8021B	

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	Project: 97-04
10 Desta Dr STE 150E	Project Number: TNM 97-04
Midland TX, 79705	Project Manager: Curt Stanley

MW-18
2H10004-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC									
Benzene	ND	0.00100	mg/L	1	P2H1203	08/12/22 11:58	08/12/22 20:51	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2H1203	08/12/22 11:58	08/12/22 20:51	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2H1203	08/12/22 11:58	08/12/22 20:51	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2H1203	08/12/22 11:58	08/12/22 20:51	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2H1203	08/12/22 11:58	08/12/22 20:51	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	100 %		80-120		P2H1203	08/12/22 11:58	08/12/22 20:51	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.5 %		80-120		P2H1203	08/12/22 11:58	08/12/22 20:51	EPA 8021B	

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

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

Batch P2H1203 - * DEFAULT PREP *****

Blank (P2H1203-BLK1)

Prepared & Analyzed: 08/12/22

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	0.00110	0.00100	"							B
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		100	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.2	80-120			

LCS (P2H1203-BS1)

Prepared & Analyzed: 08/12/22

Benzene	0.108	0.00100	mg/L	0.100		108	80-120			
Toluene	0.101	0.00100	"	0.100		101	80-120			
Ethylbenzene	0.108	0.00100	"	0.100		108	80-120			
Xylene (p/m)	0.212	0.00200	"	0.200		106	80-120			
Xylene (o)	0.0963	0.00100	"	0.100		96.3	80-120			
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.2	80-120			

LCS Dup (P2H1203-BSD1)

Prepared & Analyzed: 08/12/22

Benzene	0.104	0.00100	mg/L	0.100		104	80-120	4.07	20	
Toluene	0.0968	0.00100	"	0.100		96.8	80-120	3.93	20	
Ethylbenzene	0.101	0.00100	"	0.100		101	80-120	5.98	20	
Xylene (p/m)	0.208	0.00200	"	0.200		104	80-120	2.10	20	
Xylene (o)	0.0939	0.00100	"	0.100		93.9	80-120	2.53	20	
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		103	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		98.9	80-120			

Calibration Blank (P2H1203-CCB1)

Prepared & Analyzed: 08/12/22

Benzene	0.00		ug/l							
Toluene	0.370		"							
Ethylbenzene	0.710		"							
Xylene (p/m)	1.65		"							
Xylene (o)	0.940		"							
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		99.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		99.6	80-120			

Permian Basin Environmental Lab, L.P.

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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

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

Batch P2H1203 - * DEFAULT PREP *****

Calibration Blank (P2H1203-CCB2)

Prepared & Analyzed: 08/12/22

Benzene	0.00		ug/l							
Toluene	0.480		"							
Ethylbenzene	1.05		"							B
Xylene (p/m)	1.99		"							
Xylene (o)	1.19		"							B
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		98.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.3	80-120			

Calibration Check (P2H1203-CCV1)

Prepared & Analyzed: 08/12/22

Benzene	0.107	0.00100	mg/L	0.102		105	80-120			
Toluene	0.0981	0.00100	"	0.102		96.2	80-120			
Ethylbenzene	0.0983	0.00100	"	0.102		96.4	80-120			
Xylene (p/m)	0.201	0.00200	"	0.204		98.7	80-120			
Xylene (o)	0.0946	0.00100	"	0.102		92.8	80-120			
Surrogate: 4-Bromofluorobenzene	0.121		"	0.120		101	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.1	80-120			

Calibration Check (P2H1203-CCV2)

Prepared & Analyzed: 08/12/22

Benzene	0.111	0.00100	mg/L	0.102		109	80-120			
Toluene	0.102	0.00100	"	0.102		99.9	80-120			
Ethylbenzene	0.102	0.00100	"	0.102		99.8	80-120			
Xylene (p/m)	0.212	0.00200	"	0.204		104	80-120			
Xylene (o)	0.0975	0.00100	"	0.102		95.6	80-120			
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		101	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.0	80-120			

Calibration Check (P2H1203-CCV3)

Prepared: 08/12/22 Analyzed: 08/13/22

Benzene	0.115	0.00100	mg/L	0.102		113	80-120			
Toluene	0.103	0.00100	"	0.102		101	80-120			
Ethylbenzene	0.104	0.00100	"	0.102		102	80-120			
Xylene (p/m)	0.217	0.00200	"	0.204		106	80-120			
Xylene (o)	0.101	0.00100	"	0.102		99.4	80-120			
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.7	80-120			

Permian Basin Environmental Lab, L.P.

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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

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

Batch P2H1203 - * DEFAULT PREP *****

Matrix Spike (P2H1203-MS1)

Source: 2H10003-01

Prepared: 08/12/22 Analyzed: 08/13/22

Benzene	0.108	0.00100	mg/L	0.100	ND	108	80-120			
Toluene	0.0974	0.00100	"	0.100	ND	97.4	80-120			
Ethylbenzene	0.0980	0.00100	"	0.100	0.000530	97.4	80-120			
Xylene (p/m)	0.203	0.00200	"	0.200	ND	101	80-120			
Xylene (o)	0.0926	0.00100	"	0.100	0.000700	91.9	80-120			
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		100	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.7	80-120			

Matrix Spike Dup (P2H1203-MSD1)

Source: 2H10003-01

Prepared: 08/12/22 Analyzed: 08/13/22

Benzene	0.114	0.00100	mg/L	0.100	ND	114	80-120	6.05	20	
Toluene	0.104	0.00100	"	0.100	ND	104	80-120	6.11	20	
Ethylbenzene	0.104	0.00100	"	0.100	0.000530	104	80-120	6.37	20	
Xylene (p/m)	0.216	0.00200	"	0.200	ND	108	80-120	6.36	20	
Xylene (o)	0.100	0.00100	"	0.100	0.000700	99.6	80-120	7.97	20	
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		99.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.6	80-120			

Permian Basin Environmental Lab, L.P.

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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

Notes and Definitions

ROI Received on Ice

pH1 The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.

NPBEL C Chain of Custody was not generated at PBELAB

B Analyte is found in the associated blank as well as in the sample (CLP B-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:

8/19/2022

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, L.P.

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

PBILAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-661-4184

Page 1 of 1

Page 9 of 9

Project Manager: Curt Stanley

Project Name: 97-04

Company Name: TRC Environmental Corporation

Project #: TNM 97-04

Company Address: 10 Desta Drive, Ste 130E

Project Loc: Lea County, New Mexico

City/State/Zip: Midland, TX 79705

PO #:

Telephone No: 432.520.7720

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: _____

e-mail: cstanley@trccompanies.com

clbryan@paalp.com
khudgens@paalp.com

(lab use only)

ORDER #: 2410004

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	Matrix	Total BTEX by 8260	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	MW-13			8-8-22	1247		3	X									GW		X	
2	MW-18			8-8-22	1315		3	X									GW		X	
	MW-4						3	X									GW		X	
	MW-2						3	X									GW		X	
	MW-3						3	X									GW		X	
	RW-1						3	X									GW		X	
	RW-2						3	X									GW		X	
	RW-3						3	X									GW		X	
	RW-4						3	X									GW		X	

Special Instructions:

Relinquished by: _____ Date: 8-10-22 Time: 9:25 Received by: _____

Relinquished by: Manny Date: _____ Time: _____ Received by: _____

Relinquished by: _____ Date: _____ Time: _____ Received by: _____

Relinquished by: _____ Date: _____ Time: _____ Received by: _____

Laboratory Comments:

Sample Containers Inactive? ☒ VOCs Free of Headspace? ☒ Labels on container(s)? ☒ Custody seals on container(s)? ☒ Custody seals on cooler(s)? ☒ Sample Hand Delivered by Sampler/Client Rep.? ☒ by Courier? ☒ UPS ☒ DHL ☒ FedEx ☒ Lone Star ☒ Temperature Upon Receipt: 4.5.1 °C Factor: 0.94

**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_MNA
Project Number: TNM 97-04
Location: Lea County, NM
Lab Order Number: 2H10003



Current Certification

Report Date: 08/31/22

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

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

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-10	2H10003-01	Water	08/09/22 10:29	08-10-2022 09:25
MW-15	2H10003-02	Water	08/09/22 11:01	08-10-2022 09:25
MW-14	2H10003-03	Water	08/09/22 11:32	08-10-2022 09:25
MW-5	2H10003-04	Water	08/09/22 12:07	08-10-2022 09:25
MW-9	2H10003-05	Water	08/09/22 12:38	08-10-2022 09:25
MW-6	2H10003-06	Water	08/09/22 13:19	08-10-2022 09:25

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

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

MW-10
2H10003-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P2H1203	08/12/22 11:58	08/12/22 18:21	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2H1203	08/12/22 11:58	08/12/22 18:21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2H1203	08/12/22 11:58	08/12/22 18:21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2H1203	08/12/22 11:58	08/12/22 18:21	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2H1203	08/12/22 11:58	08/12/22 18:21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	101 %		80-120		P2H1203	08/12/22 11:58	08/12/22 18:21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	101 %		80-120		P2H1203	08/12/22 11:58	08/12/22 18:21	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P2H2412	08/19/22 10:09	08/19/22 10:09	8015M	SUB-13
Ethene	0.00280	0.00100	mg/L	1	P2H2412	08/19/22 10:09	08/19/22 10:09	8015M	SUB-13
Methane	0.00255	0.000500	mg/L	1	P2H2412	08/19/22 10:09	08/19/22 10:09	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	10.0	mg/L	1	P2H2502	08/25/22 08:22	08/26/22 15:41	8000	QAL1
Nitrate as N	8.50	0.200	mg/L	1	P2H1108	08/11/22 13:15	08/11/22 15:09	EPA 300.0	O-04
Sulfate	75.3	1.00	mg/L	1	P2H1108	08/11/22 13:15	08/11/22 15:09	EPA 300.0	
Total Organic Carbon	1.58	1.00	mg/L	1	P2H2412	08/15/22 22:16	08/15/22 22:16	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	0.229	0.200	mg/L	1	P2H2505	08/25/22 10:11	08/25/22 15:29	EPA 6010B	QAL1
Manganese	0.00837	0.100	mg/L	1	P2H2505	08/25/22 10:11	08/25/22 15:29	EPA 6010B	J, QAL1

Permian Basin Environmental Lab, L.P.

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

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

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

MW-15
2H10003-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P2H1203	08/12/22 11:58	08/12/22 18:43	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2H1203	08/12/22 11:58	08/12/22 18:43	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2H1203	08/12/22 11:58	08/12/22 18:43	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2H1203	08/12/22 11:58	08/12/22 18:43	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2H1203	08/12/22 11:58	08/12/22 18:43	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	102 %		80-120		P2H1203	08/12/22 11:58	08/12/22 18:43	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	101 %		80-120		P2H1203	08/12/22 11:58	08/12/22 18:43	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P2H2412	08/19/22 10:19	08/19/22 10:19	8015M	SUB-13
Ethene	0.00262	0.00100	mg/L	1	P2H2412	08/19/22 10:19	08/19/22 10:19	8015M	SUB-13
Methane	0.0485	0.000500	mg/L	1	P2H2412	08/19/22 10:19	08/19/22 11:45	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	10.0	mg/L	1	P2H2502	08/25/22 08:22	08/26/22 15:41	8000	QAL1
Nitrate as N	1.98	0.200	mg/L	1	P2H1108	08/11/22 13:15	08/11/22 16:06	EPA 300.0	O-04
Sulfate	70.6	1.00	mg/L	1	P2H1108	08/11/22 13:15	08/11/22 16:06	EPA 300.0	
Total Organic Carbon	1.08	1.00	mg/L	1	P2H2412	08/15/22 22:30	08/15/22 22:30	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P2H2505	08/25/22 10:11	08/25/22 15:32	EPA 6010B	QAL1
Manganese	0.0630	0.100	mg/L	1	P2H2505	08/25/22 10:11	08/25/22 15:32	EPA 6010B	QAL1, J

Permian Basin Environmental Lab, L.P.

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

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

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

MW-14
2H10003-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P2H1203	08/12/22 11:58	08/12/22 19:04	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2H1203	08/12/22 11:58	08/12/22 19:04	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2H1203	08/12/22 11:58	08/12/22 19:04	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2H1203	08/12/22 11:58	08/12/22 19:04	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2H1203	08/12/22 11:58	08/12/22 19:04	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	101 %		80-120		P2H1203	08/12/22 11:58	08/12/22 19:04	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	98.8 %		80-120		P2H1203	08/12/22 11:58	08/12/22 19:04	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P2H2412	08/19/22 10:27	08/19/22 10:27	8015M	SUB-13
Ethene	0.00836	0.00100	mg/L	1	P2H2412	08/19/22 10:27	08/19/22 11:57	8015M	SUB-13
Methane	0.0635	0.000200	mg/L	1	P2H2412	08/19/22 10:27	08/19/22 11:57	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	10.0	mg/L	1	P2H2502	08/25/22 08:22	08/26/22 15:41	8000	QAL1
Nitrate as N	1.74	0.200	mg/L	1	P2H1108	08/11/22 13:15	08/11/22 16:25	EPA 300.0	O-04
Sulfate	51.4	1.00	mg/L	1	P2H1108	08/11/22 13:15	08/11/22 16:25	EPA 300.0	
Total Organic Carbon	1.04	1.00	mg/L	1	P2H2412	08/15/22 22:44	08/15/22 22:44	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P2H2505	08/25/22 10:11	08/25/22 15:35	EPA 6010B	QAL1
Manganese	0.0703	0.100	mg/L	1	P2H2505	08/25/22 10:11	08/25/22 15:35	EPA 6010B	QAL1, J

Permian Basin Environmental Lab, L.P.

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

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

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

MW-5
2H10003-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	6.91	0.100	mg/L	100	P2H1203	08/12/22 11:58	08/15/22 12:25	EPA 8021B	
Toluene	1.80	0.100	mg/L	100	P2H1203	08/12/22 11:58	08/15/22 12:25	EPA 8021B	
Ethylbenzene	0.712	0.100	mg/L	100	P2H1203	08/12/22 11:58	08/15/22 12:25	EPA 8021B	
Xylene (p/m)	0.921	0.200	mg/L	100	P2H1203	08/12/22 11:58	08/15/22 12:25	EPA 8021B	
Xylene (o)	0.436	0.100	mg/L	100	P2H1203	08/12/22 11:58	08/15/22 12:25	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>99.7 %</i>				<i>P2H1203</i>	<i>08/12/22 11:58</i>	<i>08/15/22 12:25</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>95.5 %</i>				<i>P2H1203</i>	<i>08/12/22 11:58</i>	<i>08/15/22 12:25</i>	<i>EPA 8021B</i>	
Ethane	ND	0.00100	mg/L	1	P2H2412	08/19/22 10:37	08/19/22 10:37	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2H2412	08/19/22 10:37	08/19/22 10:37	8015M	SUB-13
Methane	1.94	0.00500	mg/L	1	P2H2412	08/19/22 10:37	08/19/22 12:05	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	10.0	mg/L	1	P2H2502	08/25/22 08:22	08/26/22 15:41	8000	QAL1
Nitrate as N	0.337	0.200	mg/L	1	P2H1108	08/11/22 13:15	08/11/22 16:44	EPA 300.0	O-04
Sulfate	9.31	1.00	mg/L	1	P2H1108	08/11/22 13:15	08/11/22 16:44	EPA 300.0	
Total Organic Carbon	4.83	1.00	mg/L	1	P2H2412	08/15/22 22:59	08/15/22 22:59	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	1.20	0.200	mg/L	1	P2H2505	08/25/22 10:11	08/25/22 15:39	EPA 6010B	QAL1
Manganese	0.209	0.100	mg/L	1	P2H2505	08/25/22 10:11	08/25/22 15:39	EPA 6010B	QAL1

Permian Basin Environmental Lab, L.P.

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

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

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

MW-9
2H10003-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	0.0139	0.00100	mg/L	1	P2H1203	08/12/22 11:58	08/12/22 19:47	EPA 8021B	
Toluene	0.0435	0.00100	mg/L	1	P2H1203	08/12/22 11:58	08/12/22 19:47	EPA 8021B	
Ethylbenzene	0.200	0.00100	mg/L	1	P2H1203	08/12/22 11:58	08/12/22 19:47	EPA 8021B	
Xylene (p/m)	0.486	0.00200	mg/L	1	P2H1203	08/12/22 11:58	08/12/22 19:47	EPA 8021B	
Xylene (o)	0.254	0.00100	mg/L	1	P2H1203	08/12/22 11:58	08/12/22 19:47	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>104 %</i>	<i>80-120</i>			<i>P2H1203</i>	<i>08/12/22 11:58</i>	<i>08/12/22 19:47</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>97.2 %</i>	<i>80-120</i>			<i>P2H1203</i>	<i>08/12/22 11:58</i>	<i>08/12/22 19:47</i>	<i>EPA 8021B</i>	
Ethane	ND	0.00100	mg/L	1	P2H2412	08/19/22 10:51	08/19/22 10:51	8015M	SUB-13
Ethene	0.0254	0.0250	mg/L	1	P2H2412	08/19/22 10:51	08/19/22 12:26	8015M	SUB-13
Methane	0.380	0.0125	mg/L	1	P2H2412	08/19/22 10:51	08/19/22 12:26	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	10.0	mg/L	1	P2H2502	08/25/22 08:22	08/26/22 15:41	8000	QAL1
Nitrate as N	1.99	0.200	mg/L	1	P2H1108	08/11/22 13:15	08/11/22 17:03	EPA 300.0	O-04
Sulfate	56.7	1.00	mg/L	1	P2H1108	08/11/22 13:15	08/11/22 17:03	EPA 300.0	
Total Organic Carbon	2.07	1.00	mg/L	1	P2H2412	08/23/22 10:48	08/23/22 10:48	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P2H2505	08/25/22 10:11	08/25/22 15:42	EPA 6010B	QAL1
Manganese	0.0120	0.100	mg/L	1	P2H2505	08/25/22 10:11	08/25/22 15:42	EPA 6010B	QAL1, J

Permian Basin Environmental Lab, L.P.

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

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

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

MW-6
2H10003-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	0.239	0.00100	mg/L	1	P2H1203	08/12/22 11:58	08/12/22 20:09	EPA 8021B	
Toluene	0.00327	0.00100	mg/L	1	P2H1203	08/12/22 11:58	08/12/22 20:09	EPA 8021B	
Ethylbenzene	0.0242	0.00100	mg/L	1	P2H1203	08/12/22 11:58	08/12/22 20:09	EPA 8021B	
Xylene (p/m)	0.0423	0.00200	mg/L	1	P2H1203	08/12/22 11:58	08/12/22 20:09	EPA 8021B	
Xylene (o)	0.00745	0.00100	mg/L	1	P2H1203	08/12/22 11:58	08/12/22 20:09	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>101 %</i>	<i>80-120</i>			<i>P2H1203</i>	<i>08/12/22 11:58</i>	<i>08/12/22 20:09</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>96.4 %</i>	<i>80-120</i>			<i>P2H1203</i>	<i>08/12/22 11:58</i>	<i>08/12/22 20:09</i>	<i>EPA 8021B</i>	
Ethane	ND	0.00100	mg/L	1	P2H2412	08/19/22 11:01	08/19/22 11:01	8015M	SUB-13
Ethene	0.00419	0.00100	mg/L	1	P2H2412	08/19/22 11:01	08/19/22 11:01	8015M	SUB-13
Methane	0.672	0.00250	mg/L	1	P2H2412	08/19/22 11:01	08/19/22 12:44	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	10.0	mg/L	1	P2H2502	08/25/22 08:22	08/26/22 15:41	8000	QAL1
Nitrate as N	1.38	0.200	mg/L	1	P2H1108	08/11/22 13:15	08/11/22 17:22	EPA 300.0	
Sulfate	40.1	1.00	mg/L	1	P2H1108	08/11/22 13:15	08/11/22 17:22	EPA 300.0	
Total Organic Carbon	2.47	1.00	mg/L	1	P2H2412	08/23/22 11:01	08/23/22 11:01	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P2H2505	08/25/22 10:11	08/25/22 15:45	EPA 6010B	QAL1
Manganese	0.0819	0.100	mg/L	1	P2H2505	08/25/22 10:11	08/25/22 15:45	EPA 6010B	J, QAL1

Permian Basin Environmental Lab, L.P.

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

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

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

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

Batch P2H1203 - * DEFAULT PREP *****

Blank (P2H1203-BLK1)

Prepared & Analyzed: 08/12/22

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	0.00110	0.00100	"							B
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		100	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.2	80-120			

LCS (P2H1203-BS1)

Prepared & Analyzed: 08/12/22

Benzene	0.108	0.00100	mg/L	0.100		108	80-120			
Toluene	0.101	0.00100	"	0.100		101	80-120			
Ethylbenzene	0.108	0.00100	"	0.100		108	80-120			
Xylene (p/m)	0.212	0.00200	"	0.200		106	80-120			
Xylene (o)	0.0963	0.00100	"	0.100		96.3	80-120			
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.2	80-120			

LCS Dup (P2H1203-BSD1)

Prepared & Analyzed: 08/12/22

Benzene	0.104	0.00100	mg/L	0.100		104	80-120	4.07	20	
Toluene	0.0968	0.00100	"	0.100		96.8	80-120	3.93	20	
Ethylbenzene	0.101	0.00100	"	0.100		101	80-120	5.98	20	
Xylene (p/m)	0.208	0.00200	"	0.200		104	80-120	2.10	20	
Xylene (o)	0.0939	0.00100	"	0.100		93.9	80-120	2.53	20	
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		103	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		98.9	80-120			

Calibration Blank (P2H1203-CCB1)

Prepared & Analyzed: 08/12/22

Benzene	0.00		ug/l							
Toluene	0.370		"							
Ethylbenzene	0.710		"							
Xylene (p/m)	1.65		"							
Xylene (o)	0.940		"							
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		99.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		99.6	80-120			

Permian Basin Environmental Lab, L.P.

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

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

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

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

Batch P2H1203 - * DEFAULT PREP *****

Calibration Blank (P2H1203-CCB2)

Prepared & Analyzed: 08/12/22

Benzene	0.00		ug/l							
Toluene	0.480		"							
Ethylbenzene	1.05		"							B
Xylene (p/m)	1.99		"							
Xylene (o)	1.19		"							B
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		98.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.3	80-120			

Calibration Check (P2H1203-CCV1)

Prepared & Analyzed: 08/12/22

Benzene	0.107	0.00100	mg/L	0.102		105	80-120			
Toluene	0.0981	0.00100	"	0.102		96.2	80-120			
Ethylbenzene	0.0983	0.00100	"	0.102		96.4	80-120			
Xylene (p/m)	0.201	0.00200	"	0.204		98.7	80-120			
Xylene (o)	0.0946	0.00100	"	0.102		92.8	80-120			
Surrogate: 4-Bromofluorobenzene	0.121		"	0.120		101	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.1	80-120			

Calibration Check (P2H1203-CCV2)

Prepared & Analyzed: 08/12/22

Benzene	0.111	0.00100	mg/L	0.102		109	80-120			
Toluene	0.102	0.00100	"	0.102		99.9	80-120			
Ethylbenzene	0.102	0.00100	"	0.102		99.8	80-120			
Xylene (p/m)	0.212	0.00200	"	0.204		104	80-120			
Xylene (o)	0.0975	0.00100	"	0.102		95.6	80-120			
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		101	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.0	80-120			

Calibration Check (P2H1203-CCV3)

Prepared: 08/12/22 Analyzed: 08/13/22

Benzene	0.115	0.00100	mg/L	0.102		113	80-120			
Toluene	0.103	0.00100	"	0.102		101	80-120			
Ethylbenzene	0.104	0.00100	"	0.102		102	80-120			
Xylene (p/m)	0.217	0.00200	"	0.204		106	80-120			
Xylene (o)	0.101	0.00100	"	0.102		99.4	80-120			
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.7	80-120			

Permian Basin Environmental Lab, L.P.

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

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

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

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

Batch P2H1203 - * DEFAULT PREP *****

Matrix Spike (P2H1203-MS1)		Source: 2H10003-01		Prepared: 08/12/22		Analyzed: 08/13/22				
Benzene	0.108	0.00100	mg/L	0.100	ND	108	80-120			
Toluene	0.0974	0.00100	"	0.100	ND	97.4	80-120			
Ethylbenzene	0.0980	0.00100	"	0.100	0.000530	97.4	80-120			
Xylene (p/m)	0.203	0.00200	"	0.200	ND	101	80-120			
Xylene (o)	0.0926	0.00100	"	0.100	0.000700	91.9	80-120			
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		100	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.7	80-120			

Matrix Spike Dup (P2H1203-MSD1)		Source: 2H10003-01		Prepared: 08/12/22		Analyzed: 08/13/22				
Benzene	0.114	0.00100	mg/L	0.100	ND	114	80-120	6.05	20	
Toluene	0.104	0.00100	"	0.100	ND	104	80-120	6.11	20	
Ethylbenzene	0.104	0.00100	"	0.100	0.000530	104	80-120	6.37	20	
Xylene (p/m)	0.216	0.00200	"	0.200	ND	108	80-120	6.36	20	
Xylene (o)	0.100	0.00100	"	0.100	0.000700	99.6	80-120	7.97	20	
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		99.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.6	80-120			

Permian Basin Environmental Lab, L.P.

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

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

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
Batch P2H1108 - *** DEFAULT PREP ***										
Blank (P2H1108-BLK1)				Prepared & Analyzed: 08/11/22						
Sulfate	ND	1.00	mg/L							
Nitrate as N	ND	0.200	"							
LCS (P2H1108-BS1)				Prepared & Analyzed: 08/11/22						
Nitrate as N	4.99	0.200	mg/L	5.00		99.8	90-110			
Sulfate	ND	1.00	"				90-110			
LCS Dup (P2H1108-BSD1)				Prepared & Analyzed: 08/11/22						
Sulfate	ND	1.00	mg/L				90-110		10	
Nitrate as N	5.00	0.200	"	5.00		100	90-110	0.200	10	
Calibration Blank (P2H1108-CCB1)				Prepared & Analyzed: 08/11/22						
Sulfate	0.233		mg/L							
Nitrate as N	0.00		"							
Calibration Check (P2H1108-CCV1)				Prepared & Analyzed: 08/11/22						
Nitrate as N	1.94		mg/L	2.00		97.1	90-110			
Calibration Check (P2H1108-CCV2)				Prepared & Analyzed: 08/11/22						
Sulfate	20.5		mg/L	20.0		102	90-110			
Nitrate as N	1.98		"	2.00		99.0	90-110			
Matrix Spike (P2H1108-MS1)				Source: 2H10003-01		Prepared & Analyzed: 08/11/22				
Sulfate	73.5	1.00	mg/L		75.3		80-120			
Nitrate as N	13.5	0.200	"	5.00	8.50	99.6	80-120			
Matrix Spike Dup (P2H1108-MSD1)				Source: 2H10003-01		Prepared & Analyzed: 08/11/22				
Sulfate	73.6	1.00	mg/L		75.3		80-120	0.109	20	
Nitrate as N	13.5	0.200	"	5.00	8.50	100	80-120	0.133	20	

Permian Basin Environmental Lab, L.P.

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

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

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

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
Batch P2H2502 - *** DEFAULT PREP ***										
Blank (P2H2502-BLK1)				Prepared: 08/25/22 Analyzed: 08/26/22						
Chemical Oxygen Demand	ND	10.0	mg/L							QAL1
LCS (P2H2502-BS1)				Prepared: 08/25/22 Analyzed: 08/26/22						
Chemical Oxygen Demand	97.0	10.0	mg/L	100		97.0	80-120			QAL1
LCS (P2H2502-BS2)				Prepared: 08/25/22 Analyzed: 08/26/22						
Chemical Oxygen Demand	1060	10.0	mg/L	1000		106	80-120			QAL1
LCS Dup (P2H2502-BSD1)				Prepared: 08/25/22 Analyzed: 08/26/22						
Chemical Oxygen Demand	103	10.0	mg/L	100		103	80-120	6.00	20	QAL1
LCS Dup (P2H2502-BSD2)				Prepared: 08/25/22 Analyzed: 08/26/22						
Chemical Oxygen Demand	1100	10.0	mg/L	1000		110	80-120	2.87	20	QAL1
Calibration Check (P2H2502-CCV1)				Prepared: 08/25/22 Analyzed: 08/26/22						
Chemical Oxygen Demand	100	10.0	mg/L				80-120			QAL1
Calibration Check (P2H2502-CCV2)				Prepared: 08/25/22 Analyzed: 08/26/22						
Chemical Oxygen Demand	1160	10.0	mg/L				80-120			QAL1
Calibration Check (P2H2502-CCV3)				Prepared: 08/25/22 Analyzed: 08/26/22						
Chemical Oxygen Demand	ND	10.0	mg/L				80-120			QAL1
Calibration Check (P2H2502-CCV4)				Prepared: 08/25/22 Analyzed: 08/26/22						
Chemical Oxygen Demand	ND	10.0	mg/L				80-120			QAL1
Duplicate (P2H2502-DUP1)		Source: 2H10003-01		Prepared: 08/25/22 Analyzed: 08/26/22						
Chemical Oxygen Demand	ND	10.0	mg/L		ND				20	QAL1

Permian Basin Environmental Lab, L.P.

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

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

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

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

Batch P2H2502 - * DEFAULT PREP *****

Duplicate (P2H2502-DUP2)		Source: 2H16012-01		Prepared: 08/25/22 Analyzed: 08/26/22						
Chemical Oxygen Demand	ND	10.0	mg/L		6760			20		QAL1
Matrix Spike (P2H2502-MS1)		Source: 2H10003-01		Prepared: 08/25/22 Analyzed: 08/26/22						
Chemical Oxygen Demand	107	10.0	mg/L	100	ND	107	80-120			QAL1
Matrix Spike (P2H2502-MS2)		Source: 2H16012-01		Prepared: 08/25/22 Analyzed: 08/26/22						
Chemical Oxygen Demand	8850	10.0	mg/L	10000	6760	20.9	80-120			QAL1
Matrix Spike Dup (P2H2502-MSD1)		Source: 2H10003-01		Prepared: 08/25/22 Analyzed: 08/26/22						
Chemical Oxygen Demand	105	10.0	mg/L	100	ND	105	80-120	1.89	20	QAL1
Matrix Spike Dup (P2H2502-MSD2)		Source: 2H16012-01		Prepared: 08/25/22 Analyzed: 08/26/22						
Chemical Oxygen Demand	9380	10.0	mg/L	10000	6760	26.2	80-120	5.81	20	QAL1

Permian Basin Environmental Lab, L.P.

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

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

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

Dissolved 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 P2H2505 - *** DEFAULT PREP ***										
Blank (P2H2505-BLK1)				Prepared & Analyzed: 08/25/22						
Iron	ND	0.200	mg/L							QAL1
Manganese	0.000579	0.100	"							QAL1, J
LCS (P2H2505-BS1)				Prepared & Analyzed: 08/25/22						
Manganese	0.163	0.100	mg/L	0.200		81.7	80-120			QAL1
Iron	0.332	0.200	"	0.400		83.1	80-120			QAL1
LCS Dup (P2H2505-BSD1)				Prepared & Analyzed: 08/25/22						
Iron	0.344	0.200	mg/L	0.400		86.0	80-120	3.42	20	QAL1
Manganese	0.163	0.100	"	0.200		81.3	80-120	0.465	20	QAL1
Calibration Blank (P2H2505-CCB1)				Prepared & Analyzed: 08/25/22						
Iron	0.0157		mg/L							QAL1
Manganese	0.000878		"							QAL1, J
Calibration Blank (P2H2505-CCB2)				Prepared & Analyzed: 08/25/22						
Manganese	0.00162		mg/L							QAL1, J
Iron	0.0189		"							QAL1
Calibration Blank (P2H2505-CCB3)				Prepared & Analyzed: 08/25/22						
Manganese	0.000594		mg/L							QAL1, J
Iron	0.0196		"							QAL1
Calibration Check (P2H2505-CCV1)				Prepared & Analyzed: 08/25/22						
Iron	0.424	0.200	mg/L	0.400		106	80-120			QAL1
Manganese	0.215	0.100	"	0.200		107	80-120			QAL1
Calibration Check (P2H2505-CCV2)				Prepared & Analyzed: 08/25/22						
Iron	0.351	0.200	mg/L	0.400		87.6	80-120			QAL1
Manganese	0.161	0.100	"	0.200		80.5	80-120			QAL1

Permian Basin Environmental Lab, L.P.

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

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

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

Dissolved 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 P2H2505 - * DEFAULT PREP *****

Calibration Check (P2H2505-CCV3)

Prepared & Analyzed: 08/25/22

Iron	0.378	0.200	mg/L	0.400		94.6	80-120			QAL1
Manganese	0.164	0.100	"	0.200		82.1	80-120			QAL1

Matrix Spike (P2H2505-MS1)

Source: 2H10003-01

Prepared & Analyzed: 08/25/22

Manganese	0.161	0.100	mg/L	0.200	0.00837	76.5	75-125			QAL1
Iron	0.653	0.200	"	0.400	0.229	106	75-125			QAL1

Matrix Spike Dup (P2H2505-MSD1)

Source: 2H10003-01

Prepared & Analyzed: 08/25/22

Iron	0.652	0.200	mg/L	0.400	0.229	106	75-125	0.198	20	QAL1
Manganese	0.160	0.100	"	0.200	0.00837	75.9	75-125	0.721	20	QAL1

Permian Basin Environmental Lab, L.P.

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

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

Notes and Definitions

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

ROI Received on Ice

QAL1 The Laboratory is not TNI Certified for this analyte or analysis.

pH1 The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.

O-04 This sample was analyzed outside the EPA recommended holding time.

NPBEL C Chain of Custody was not generated at PBELAB

J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

B Analyte is found in the associated blank as well as in the sample (CLP B-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:

8/31/2022

Brent Barron, Laboratory Director/Technical Director

Permian Basin Environmental Lab, L.P.

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TRC Solutions- Midland, Texas
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Midland TX, 79705

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

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

Permian Basin Environmental Lab, L.P.

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PBBLAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-661-4184

Page 1 of 1

Project Manager: Curt Stanley

Company Name: TRC Environmental Corporation

Company Address: 10 Desta Drive, Ste 130E

City/State/Zip: Midland, TX 79705

Telephone No: 432.520.7720

Sampler Signature: _____

e-mail: cdstanley@trccompanies.com
clbryant@paalp.com
khudgens@paalp.com

Report Format: ☒ Standard

☐ TRRP

☐ NPDES

Project Name: 97-04

Project #: TNM 97-04

Project Loc: Lea County, New Mexico

PO #:

ORDER #: 2410003

(lab use only)

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Ice	HNO ₃ (1-250mL)	HCl (6 VOA + 1-250 mL)	H ₂ SO ₄ (1-250 mL)	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	TOC SM 5310	Total Dissolved Metals (Fe and Mn) by SW 6010	Dissolved Methane, Ethane, and Ethene by RSK-175	Nitrate and Sulfate by E300	COD by 5310	Total BTEX by 8260	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	MMW-10			8-9-22	10:09	1	9	X	1	7	1					GW	X	X	X	X	X		X	X
2	MMW-15				11:01	1	9	X	1	7	1					GW	X	X	X	X	X		X	X
3	MMW-14				11:32	1	9	X	1	7	1					GW	X	X	X	X	X		X	X
4	MMW-5				12:07	1	9	X	1	7	1					GW	X	X	X	X	X		X	X
5	MMW-9				12:38	1	9	X	1	7	1					GW	X	X	X	X	X		X	X
6	MMW-6				13:19	1	9	X	1	7	1					GW	X	X	X	X	X		X	X

Special Instructions:

Relinquished by: _____ Date: 8-10-22 Time: 4:25 Received by: _____ Date: _____ Time: _____

Relinquished by: Manny Date: _____ Time: _____ Received by: _____ Date: _____ Time: _____

Relinquished by: _____ Date: _____ Time: _____ Received by: _____ Date: 8/10/22 Time: 4:25

Relinquished by: _____ Date: _____ Time: _____ Received by: _____ Date: 8/10/22 Time: 4:25

Laboratory Comments:

Sample Containers Intact?

VOCs Free of Headspace?

Labels on Containers?

Custody seals on containers?

Sample Hand Delivered by Sampler/Client Rep.?

Temperature Upon Receipt: 45.1 °C

Factor: 0.97

**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: 2K18003



Current Certification

Report Date: 11/29/22

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

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

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-12	2K18003-01	Water	11/16/22 11:17	11-18-2022 09:25
MW-7	2K18003-02	Water	11/16/22 11:40	11-18-2022 09:25
MW-16	2K18003-03	Water	11/16/22 12:01	11-18-2022 09:25
MW-11	2K18003-04	Water	11/16/22 12:25	11-18-2022 09:25
MW-13	2K18003-05	Water	11/16/22 12:42	11-18-2022 09:25
MW-18	2K18003-06	Water	11/16/22 13:05	11-18-2022 09:25

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

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

MW-12
2K18003-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 21:30	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 21:30	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 21:30	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 21:30	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 21:30	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	88.6 %		80-120		P2K2107	11/21/22 15:43	11/21/22 21:30	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	97.8 %		80-120		P2K2107	11/21/22 15:43	11/21/22 21:30	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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TRC Solutions- Midland, Texas
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Midland TX, 79705

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

MW-7
2K18003-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 21:51	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 21:51	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 21:51	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 21:51	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 21:51	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	95.7 %		80-120		P2K2107	11/21/22 15:43	11/21/22 21:51	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	97.6 %		80-120		P2K2107	11/21/22 15:43	11/21/22 21:51	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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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

MW-16
2K18003-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 22:54	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 22:54	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 22:54	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 22:54	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 22:54	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	92.8 %		80-120		P2K2107	11/21/22 15:43	11/21/22 22:54	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	98.0 %		80-120		P2K2107	11/21/22 15:43	11/21/22 22:54	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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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

MW-11
2K18003-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 23:15	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 23:15	EPA 8021B
Ethylbenzene	ND	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 23:15	EPA 8021B
Xylene (p/m)	ND	0.00200	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 23:15	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 23:15	EPA 8021B
Surrogate: 4-Bromofluorobenzene	92.2 %		80-120		P2K2107	11/21/22 15:43	11/21/22 23:15	EPA 8021B
Surrogate: 1,4-Difluorobenzene	94.1 %		80-120		P2K2107	11/21/22 15:43	11/21/22 23:15	EPA 8021B

Permian Basin Environmental Lab, L.P.

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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

MW-13
2K18003-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 23:36	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 23:36	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 23:36	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 23:36	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 23:36	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	93.1 %		80-120		P2K2107	11/21/22 15:43	11/21/22 23:36	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	95.5 %		80-120		P2K2107	11/21/22 15:43	11/21/22 23:36	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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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

MW-18
2K18003-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 23:57	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 23:57	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 23:57	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 23:57	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 23:57	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	87.7 %		80-120		P2K2107	11/21/22 15:43	11/21/22 23:57	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	96.6 %		80-120		P2K2107	11/21/22 15:43	11/21/22 23:57	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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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

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

Batch P2K2107 - * DEFAULT PREP *****

Blank (P2K2107-BLK1)

Prepared & Analyzed: 11/21/22

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	0.0988		"	0.120		82.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.7	80-120			

LCS (P2K2107-BS1)

Prepared & Analyzed: 11/21/22

Benzene	0.0961	0.00100	mg/L	0.100		96.1	80-120			
Toluene	0.0942	0.00100	"	0.100		94.2	80-120			
Ethylbenzene	0.102	0.00100	"	0.100		102	80-120			
Xylene (p/m)	0.196	0.00200	"	0.200		97.8	80-120			
Xylene (o)	0.0844	0.00100	"	0.100		84.4	80-120			
Surrogate: 4-Bromofluorobenzene	0.112		"	0.120		93.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			

LCS Dup (P2K2107-BSD1)

Prepared & Analyzed: 11/21/22

Benzene	0.0966	0.00100	mg/L	0.100		96.6	80-120	0.508	20	
Toluene	0.0924	0.00100	"	0.100		92.4	80-120	1.93	20	
Ethylbenzene	0.100	0.00100	"	0.100		100	80-120	1.68	20	
Xylene (p/m)	0.191	0.00200	"	0.200		95.6	80-120	2.31	20	
Xylene (o)	0.0818	0.00100	"	0.100		81.8	80-120	3.24	20	
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120		87.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			

Calibration Blank (P2K2107-CCB1)

Prepared & Analyzed: 11/21/22

Benzene	0.160		ug/l							
Toluene	0.490		"							
Ethylbenzene	0.280		"							
Xylene (p/m)	0.710		"							
Xylene (o)	0.380		"							
Surrogate: 4-Bromofluorobenzene	0.106		"	0.120		88.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.113		"	0.120		94.0	80-120			

Permian Basin Environmental Lab, L.P.

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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

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

Batch P2K2107 - * DEFAULT PREP *****

Calibration Blank (P2K2107-CCB2)

Prepared & Analyzed: 11/21/22

Benzene	0.0900		ug/l							
Toluene	0.300		"							
Ethylbenzene	0.430		"							
Xylene (p/m)	1.14		"							
Xylene (o)	0.610		"							
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120		90.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		96.2	80-120			

Calibration Check (P2K2107-CCV1)

Prepared & Analyzed: 11/21/22

Benzene	0.108	0.00100	mg/L	0.100		108	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)	0.208	0.00200	"	0.200		104	80-120			
Xylene (o)	0.0903	0.00100	"	0.100		90.3	80-120			
Surrogate: 4-Bromofluorobenzene	0.112		"	0.120		93.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.124		"	0.120		103	80-120			

Calibration Check (P2K2107-CCV2)

Prepared & Analyzed: 11/21/22

Benzene	0.111	0.00100	mg/L	0.100		111	80-120			
Toluene	0.113	0.00100	"	0.100		113	80-120			
Ethylbenzene	0.113	0.00100	"	0.100		113	80-120			
Xylene (p/m)	0.232	0.00200	"	0.200		116	80-120			
Xylene (o)	0.100	0.00100	"	0.100		100	80-120			
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		102	80-120			

Calibration Check (P2K2107-CCV3)

Prepared: 11/21/22 Analyzed: 11/22/22

Benzene	0.109	0.00100	mg/L	0.100		109	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.101	0.00100	"	0.100		101	80-120			
Xylene (p/m)	0.207	0.00200	"	0.200		103	80-120			
Xylene (o)	0.0909	0.00100	"	0.100		90.9	80-120			
Surrogate: 4-Bromofluorobenzene	0.111		"	0.120		92.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		101	80-120			

Permian Basin Environmental Lab, L.P.

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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

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

Batch P2K2107 - * DEFAULT PREP *****

Matrix Spike (P2K2107-MS1)

Source: 2K16005-01

Prepared: 11/21/22 Analyzed: 11/22/22

Benzene	0.103	0.00100	mg/L	0.100	ND	103	80-120			
Toluene	0.0992	0.00100	"	0.100	ND	99.2	80-120			
Ethylbenzene	0.107	0.00100	"	0.100	0.000970	106	80-120			
Xylene (p/m)	0.205	0.00200	"	0.200	0.00258	101	80-120			
Xylene (o)	0.0877	0.00100	"	0.100	0.000840	86.8	80-120			
Surrogate: 4-Bromofluorobenzene	0.110		"	0.120		91.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			

Matrix Spike Dup (P2K2107-MSD1)

Source: 2K16005-01

Prepared: 11/21/22 Analyzed: 11/22/22

Benzene	0.100	0.00100	mg/L	0.100	ND	100	80-120	3.34	20	
Toluene	0.0963	0.00100	"	0.100	ND	96.3	80-120	3.04	20	
Ethylbenzene	0.105	0.00100	"	0.100	0.000970	104	80-120	2.63	20	
Xylene (p/m)	0.199	0.00200	"	0.200	0.00258	98.3	80-120	3.01	20	
Xylene (o)	0.0856	0.00100	"	0.100	0.000840	84.8	80-120	2.34	20	
Surrogate: 4-Bromofluorobenzene	0.112		"	0.120		93.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.125		"	0.120		104	80-120			

Permian Basin Environmental Lab, L.P.

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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

Notes and Definitions

ROI Received on Ice

pH1 The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.

NPBEL C Chain of Custody was not generated at PBELAB

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: 11/29/2022

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, L.P.

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1400 Rankin HWY Midland, TX 79701 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_MNA
Project Number: TNM 97-04
Location: Lea County, NM
Lab Order Number: 2K16005



Current Certification

Report Date: 12/08/22

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

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

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-10	2K16005-01	Water	11/15/22 12:10	11-16-2022 09:15
MW-15	2K16005-02	Water	11/15/22 13:15	11-16-2022 09:15
MW-14	2K16005-03	Water	11/15/22 14:05	11-16-2022 09:15
MW-5	2K16005-04	Water	11/15/22 14:55	11-16-2022 09:15
MW-9	2K16005-05	Water	11/15/22 15:50	11-16-2022 09:15
MW-6	2K16005-06	Water	11/15/22 16:45	11-16-2022 09:15

Low Level PAHs, Dissolved Gasses and TOC analysis 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_MNA
Project Number: TNM 97-04
Project Manager: Curt Stanley

MW-10
2K16005-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 19:25	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 19:25	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 19:25	EPA 8021B	
Xylene (p/m)	0.00258	0.00200	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 19:25	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 19:25	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	83.2 %		80-120		P2K2107	11/21/22 15:43	11/21/22 19:25	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	96.8 %		80-120		P2K2107	11/21/22 15:43	11/21/22 19:25	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P2L0802	11/22/22 13:23	12/08/22 08:10	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2L0802	11/22/22 13:23	12/08/22 08:10	8015M	SUB-13
Methane	0.00147	0.000500	mg/L	1	P2L0802	11/22/22 13:23	12/08/22 08:10	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	5.00	3.00	mg/L	1	P2K2909	11/29/22 12:03	11/29/22 16:09	8000	QAL1
Nitrate as N	8.59	0.200	mg/L	1	P2K1610	11/16/22 14:40	11/16/22 21:42	EPA 300.0	
Sulfate	60.9	1.00	mg/L	1	P2K1610	11/16/22 14:40	11/16/22 21:42	EPA 300.0	
Total Organic Carbon	2.05	1.00	mg/L	1	P2L0803	11/29/22 13:12	11/29/22 13:12	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P2L0204	12/02/22 12:14	12/02/22 13:54	EPA 6010B	
Manganese	0.00178	0.100	mg/L	1	P2L0204	12/02/22 12:14	12/02/22 13:54	EPA 6010B	J

Permian Basin Environmental Lab, L.P.

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

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

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

MW-15
2K16005-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 19:46	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 19:46	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 19:46	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 19:46	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 19:46	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	93.7 %		80-120		P2K2107	11/21/22 15:43	11/21/22 19:46	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	98.4 %		80-120		P2K2107	11/21/22 15:43	11/21/22 19:46	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P2L0802	11/22/22 13:23	12/08/22 08:10	8015M	SUB-13
Ethene	0.00178	0.00100	mg/L	1	P2L0802	11/22/22 13:23	12/08/22 08:10	8015M	SUB-13
Methane	0.0283	0.000500	mg/L	1	P2L0802	11/22/22 13:23	12/08/22 08:10	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	11.0	3.00	mg/L	1	P2K2909	11/29/22 12:03	11/29/22 16:09	8000	QAL1
Nitrate as N	2.18	0.200	mg/L	1	P2K1610	11/16/22 14:40	11/16/22 22:38	EPA 300.0	
Sulfate	73.8	1.00	mg/L	1	P2K1610	11/16/22 14:40	11/16/22 22:38	EPA 300.0	
Total Organic Carbon	1.76	1.00	mg/L	1	P2L0803	11/29/22 13:24	11/29/22 13:24	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P2L0204	12/02/22 12:14	12/02/22 13:58	EPA 6010B	
Manganese	0.0449	0.100	mg/L	1	P2L0204	12/02/22 12:14	12/02/22 13:58	EPA 6010B	J

Permian Basin Environmental Lab, L.P.

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

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

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

MW-14
2K16005-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 20:07	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 20:07	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 20:07	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 20:07	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 20:07	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	93.8 %		80-120		P2K2107	11/21/22 15:43	11/21/22 20:07	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.3 %		80-120		P2K2107	11/21/22 15:43	11/21/22 20:07	EPA 8021B	
Ethane	0.00243	0.00200	mg/L	1	P2L0802	11/22/22 13:23	12/08/22 08:10	8015M	SUB-13
Ethene	0.00146	0.000200	mg/L	1	P2L0802	11/22/22 13:23	12/08/22 08:10	8015M	SUB-13
Methane	0.0398	0.00100	mg/L	1	P2L0802	11/22/22 13:23	12/08/22 08:10	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	5.00	3.00	mg/L	1	P2K2909	11/29/22 12:03	11/29/22 16:09	8000	QAL1
Nitrate as N	1.89	0.200	mg/L	1	P2K1610	11/16/22 14:40	11/16/22 22:56	EPA 300.0	
Sulfate	57.6	1.00	mg/L	1	P2K1610	11/16/22 14:40	11/16/22 22:56	EPA 300.0	
Total Organic Carbon	1.45	1.00	mg/L	1	P2L0803	11/29/22 13:36	11/29/22 13:36	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P2L0204	12/02/22 12:14	12/02/22 14:01	EPA 6010B	
Manganese	0.111	0.100	mg/L	1	P2L0204	12/02/22 12:14	12/02/22 14:01	EPA 6010B	

Permian Basin Environmental Lab, L.P.

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

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

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

MW-5
2K16005-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	5.93	0.100	mg/L	100	P2K2107	11/21/22 15:43	11/21/22 20:28	EPA 8021B	
Toluene	2.50	0.100	mg/L	100	P2K2107	11/21/22 15:43	11/21/22 20:28	EPA 8021B	
Ethylbenzene	0.823	0.100	mg/L	100	P2K2107	11/21/22 15:43	11/21/22 20:28	EPA 8021B	
Xylene (p/m)	1.15	0.200	mg/L	100	P2K2107	11/21/22 15:43	11/21/22 20:28	EPA 8021B	
Xylene (o)	0.393	0.100	mg/L	100	P2K2107	11/21/22 15:43	11/21/22 20:28	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>87.6 %</i>				<i>P2K2107</i>	<i>11/21/22 15:43</i>	<i>11/21/22 20:28</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>102 %</i>				<i>P2K2107</i>	<i>11/21/22 15:43</i>	<i>11/21/22 20:28</i>	<i>EPA 8021B</i>	
Ethane	ND	0.00100	mg/L	1	P2L0802	11/22/22 13:23	12/08/22 08:10	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2L0802	11/22/22 13:23	12/08/22 08:10	8015M	SUB-13
Methane	5.76	0.200	mg/L	1	P2L0802	11/22/22 13:23	12/08/22 08:10	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	30.0	3.00	mg/L	1	P2K2909	11/29/22 12:03	11/29/22 16:09	8000	QAL1
Nitrate as N	11.0	0.200	mg/L	1	P2K1610	11/16/22 14:40	11/16/22 23:15	EPA 300.0	
Sulfate	15.2	1.00	mg/L	1	P2K1610	11/16/22 14:40	11/16/22 23:15	EPA 300.0	
Total Organic Carbon	4.54	1.00	mg/L	1	P2L0803	11/29/22 13:49	11/29/22 13:49	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	0.925	0.200	mg/L	1	P2L0204	12/02/22 12:14	12/02/22 14:04	EPA 6010B	
Manganese	0.192	0.100	mg/L	1	P2L0204	12/02/22 12:14	12/02/22 14:04	EPA 6010B	

PAH compounds by Semivolatile GCMS

1-Methylnaphthalene	0.094	0.0010	mg/L	1	P2L0801	11/21/22 14:30	11/23/22 19:00	8270C	SUB-13
2-Methylnaphthalene	0.058	0.0010	mg/L	1	P2L0801	11/21/22 14:30	11/23/22 19:00	8270C	SUB-13
Acenaphthene	0.00046	0.00010	mg/L	1	P2L0801	11/21/22 14:30	11/22/22 13:41	8270C	SUB-13
Acenaphthylene	0.00053	0.00010	mg/L	1	P2L0801	11/21/22 14:30	11/22/22 13:41	8270C	SUB-13
Anthracene	0.00050	0.00010	mg/L	1	P2L0801	11/21/22 14:30	11/22/22 13:41	8270C	SUB-13
Benzo (a) anthracene	ND	0.00010	mg/L	1	P2L0801	11/21/22 14:30	11/22/22 13:41	8270C	SUB-13
Benzo (a) pyrene	ND	0.00010	mg/L	1	P2L0801	11/21/22 14:30	12/08/22 07:44	8270C	SUB-13
Benzo (b) fluoranthene	ND	0.00010	mg/L	1	P2L0801	11/21/22 14:30	12/08/22 07:44	8270C	SUB-13
Benzo (g,h,i) perylene	ND	0.00010	mg/L	1	P2L0801	11/21/22 14:30	12/08/22 07:44	8270C	SUB-13
Benzo (k) fluoranthene	ND	0.00010	mg/L	1	P2L0801	11/21/22 14:30	12/08/22 07:44	8270C	SUB-13
Chrysene	0.00053	0.00010	mg/L	1	P2L0801	11/21/22 14:30	12/08/22 07:44	8270C	SUB-13
Dibenzo (a,h) anthracene	ND	0.00010	mg/L	1	P2L0801	11/21/22 14:30	12/08/22 07:44	8270C	SUB-13
Fluoranthene	ND	0.00010	mg/L	1	P2L0801	11/21/22 14:30	12/08/22 07:44	8270C	SUB-13
Fluorene	0.0072	0.00010	mg/L	1	P2L0801	11/21/22 14:30	12/08/22 07:44	8270C	SUB-13
Indeno (1,2,3-cd) pyrene	ND	0.00010	mg/L	1	P2L0801	11/21/22 14:30	12/08/22 07:44	8270C	SUB-13
Naphthalene	0.086	0.0010	mg/L	1	P2L0801	11/21/22 14:30	11/23/22 19:00	8270C	SUB-13
Phenanthrene	0.0064	0.00010	mg/L	1	P2L0801	11/21/22 14:30	12/08/22 07:44	8270C	SUB-13
Pyrene	ND	0.00010	mg/L	1	P2L0801	11/21/22 14:30	12/08/22 07:44	8270C	SUB-13

Permian Basin Environmental Lab, L.P.

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

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

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

MW-9
2K16005-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	0.0195	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 20:48	EPA 8021B	
Toluene	0.0346	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 20:48	EPA 8021B	
Ethylbenzene	0.179	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 20:48	EPA 8021B	
Xylene (p/m)	0.372	0.00200	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 20:48	EPA 8021B	
Xylene (o)	0.205	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 20:48	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>88.6 %</i>	<i>80-120</i>			<i>P2K2107</i>	<i>11/21/22 15:43</i>	<i>11/21/22 20:48</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>88.3 %</i>	<i>80-120</i>			<i>P2K2107</i>	<i>11/21/22 15:43</i>	<i>11/21/22 20:48</i>	<i>EPA 8021B</i>	
Ethane	ND	0.00100	mg/L	1	P2L0802	11/22/22 13:23	12/08/22 08:10	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2L0802	11/22/22 13:23	12/08/22 08:10	8015M	SUB-13
Methane	1.04	0.0250	mg/L	1	P2L0802	11/22/22 13:23	12/08/22 08:10	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	20.0	3.00	mg/L	1	P2K2909	11/29/22 12:03	11/29/22 16:09	8000	QAL1
Nitrate as N	1.22	0.200	mg/L	1	P2K1610	11/16/22 14:40	11/16/22 23:33	EPA 300.0	
Sulfate	37.9	1.00	mg/L	1	P2K1610	11/16/22 14:40	11/16/22 23:33	EPA 300.0	
Total Organic Carbon	3.40	1.00	mg/L	1	P2L0803	11/29/22 14:02	11/29/22 14:02	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P2L0204	12/02/22 12:14	12/02/22 14:07	EPA 6010B	
Manganese	0.0166	0.100	mg/L	1	P2L0204	12/02/22 12:14	12/02/22 14:07	EPA 6010B	J

PAH compounds by Semivolatile GCMS

1-Methylnaphthalene	0.056	0.0010	mg/L	1	P2L0801	11/21/22 14:30	11/23/22 19:25	8270C	SUB-13
2-Methylnaphthalene	0.017	0.0010	mg/L	1	P2L0801	11/21/22 14:30	11/23/22 19:25	8270C	SUB-13
Acenaphthene	0.00012	0.00010	mg/L	1	P2L0801	11/21/22 14:30	11/23/22 14:06	8270C	SUB-13
Acenaphthylene	0.00019	0.00010	mg/L	1	P2L0801	11/21/22 14:30	11/23/22 14:06	8270C	SUB-13
Anthracene	ND	0.00010	mg/L	1	P2L0801	11/21/22 14:30	11/23/22 14:06	8270C	SUB-13
Benzo (a) anthracene	ND	0.00010	mg/L	1	P2L0801	11/21/22 14:30	11/23/22 14:06	8270C	SUB-13
Benzo (a) pyrene	ND	0.00010	mg/L	1	P2L0801	11/21/22 14:30	11/23/22 14:06	8270C	SUB-13
Benzo (b) fluoranthene	ND	0.00010	mg/L	1	P2L0801	11/21/22 14:30	11/23/22 14:06	8270C	SUB-13
Benzo (g,h,i) perylene	ND	0.00010	mg/L	1	P2L0801	11/21/22 14:30	11/23/22 14:06	8270C	SUB-13
Benzo (k) fluoranthene	ND	0.00010	mg/L	1	P2L0801	11/21/22 14:30	11/23/22 14:06	8270C	SUB-13
Chrysene	ND	0.00010	mg/L	1	P2L0801	11/21/22 14:30	11/23/22 14:06	8270C	SUB-13
Dibenzo (a,h) anthracene	ND	0.00010	mg/L	1	P2L0801	11/21/22 14:30	11/23/22 14:06	8270C	SUB-13
Fluoranthene	ND	0.00010	mg/L	1	P2L0801	11/21/22 14:30	11/23/22 14:06	8270C	SUB-13
Fluorene	0.0030	0.00010	mg/L	1	P2L0801	11/21/22 14:30	11/23/22 14:06	8270C	SUB-13
Indeno (1,2,3-cd) pyrene	ND	0.00010	mg/L	1	P2L0801	11/21/22 14:30	11/23/22 14:06	8270C	SUB-13
Naphthalene	0.030	0.0010	mg/L	1	P2L0801	11/21/22 14:30	11/23/22 19:25	8270C	SUB-13
Phenanthrene	0.0033	0.00010	mg/L	1	P2L0801	11/21/22 14:30	11/23/22 14:06	8270C	SUB-13
Pyrene	ND	0.00010	mg/L	1	P2L0801	11/21/22 14:30	11/23/22 14:06	8270C	SUB-13

Permian Basin Environmental Lab, L.P.

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

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

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

MW-6
2K16005-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	0.207	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 21:09	EPA 8021B	
Toluene	0.00565	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 21:09	EPA 8021B	
Ethylbenzene	0.00878	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 21:09	EPA 8021B	
Xylene (p/m)	0.0169	0.00200	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 21:09	EPA 8021B	
Xylene (o)	0.00555	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 21:09	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>83.3 %</i>	<i>80-120</i>			<i>P2K2107</i>	<i>11/21/22 15:43</i>	<i>11/21/22 21:09</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>101 %</i>	<i>80-120</i>			<i>P2K2107</i>	<i>11/21/22 15:43</i>	<i>11/21/22 21:09</i>	<i>EPA 8021B</i>	
Ethane	ND	0.00100	mg/L	1	P2L0802	11/22/22 13:23	12/08/22 08:10	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2L0802	11/22/22 13:23	12/08/22 08:10	8015M	SUB-13
Methane	0.588	0.0250	mg/L	1	P2L0802	11/22/22 13:23	12/08/22 08:10	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	14.0	3.00	mg/L	1	P2K2909	11/29/22 12:03	11/29/22 16:09	8000	QAL1
Nitrate as N	0.830	0.200	mg/L	1	P2K1610	11/16/22 14:40	11/16/22 23:52	EPA 300.0	
Sulfate	60.2	1.00	mg/L	1	P2K1610	11/16/22 14:40	11/16/22 23:52	EPA 300.0	
Total Organic Carbon	3.51	1.00	mg/L	1	P2L0803	11/29/22 15:17	11/29/22 15:17	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	1.67	0.200	mg/L	1	P2L0204	12/02/22 12:14	12/02/22 14:11	EPA 6010B	
Manganese	0.0776	0.100	mg/L	1	P2L0204	12/02/22 12:14	12/02/22 14:11	EPA 6010B	J

PAH compounds by Semivolatile GCMS

1-Methylnaphthalene	0.0054	0.00010	mg/L	1	P2L0801	11/21/22 14:30	11/23/22 14:41	8270C	SUB-13
2-Methylnaphthalene	0.0023	0.00010	mg/L	1	P2L0801	11/21/22 14:30	11/23/22 14:41	8270C	SUB-13
Acenaphthene	ND	0.00010	mg/L	1	P2L0801	11/21/22 14:30	11/22/22 14:31	8270C	SUB-13
Acenaphthylene	ND	0.00010	mg/L	1	P2L0801	11/21/22 14:30	11/22/22 14:31	8270C	SUB-13
Anthracene	0.00092	0.00010	mg/L	1	P2L0801	11/21/22 14:30	11/22/22 14:31	8270C	SUB-13
Benzo (a) anthracene	ND	0.00010	mg/L	1	P2L0801	11/21/22 14:30	11/22/22 14:31	8270C	SUB-13
Benzo (a) pyrene	ND	0.00010	mg/L	1	P2L0801	11/21/22 14:30	11/22/22 14:31	8270C	SUB-13
Benzo (b) fluoranthene	ND	0.00010	mg/L	1	P2L0801	11/21/22 14:30	11/22/22 14:31	8270C	SUB-13
Benzo (g,h,i) perylene	ND	0.00010	mg/L	1	P2L0801	11/21/22 14:30	11/22/22 14:31	8270C	SUB-13
Benzo (k) fluoranthene	ND	0.00010	mg/L	1	P2L0801	11/21/22 14:30	11/22/22 14:31	8270C	SUB-13
Chrysene	0.0020	0.00010	mg/L	1	P2L0801	11/21/22 14:30	11/22/22 14:31	8270C	SUB-13
Dibenzo (a,h) anthracene	ND	0.00010	mg/L	1	P2L0801	11/21/22 14:30	11/22/22 14:31	8270C	SUB-13
Fluoranthene	ND	0.00010	mg/L	1	P2L0801	11/21/22 14:30	11/22/22 14:31	8270C	SUB-13
Fluorene	0.0016	0.00010	mg/L	1	P2L0801	11/21/22 14:30	11/22/22 14:31	8270C	SUB-13
Indeno (1,2,3-cd) pyrene	ND	0.00010	mg/L	1	P2L0801	11/21/22 14:30	11/22/22 14:31	8270C	SUB-13
Naphthalene	0.0054	0.00010	mg/L	1	P2L0801	11/21/22 14:30	11/23/22 14:41	8270C	SUB-13
Phenanthrene	0.0015	0.00010	mg/L	1	P2L0801	11/21/22 14:30	11/22/22 14:31	8270C	SUB-13
Pyrene	ND	0.00010	mg/L	1	P2L0801	11/21/22 14:30	11/22/22 14:31	8270C	SUB-13

Permian Basin Environmental Lab, L.P.

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

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

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

Permian Basin Environmental Lab, L.P.

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

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

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

Batch P2K2107 - * DEFAULT PREP *****

Blank (P2K2107-BLK1)

Prepared & Analyzed: 11/21/22

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	0.0988		"	0.120		82.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.7	80-120			

LCS (P2K2107-BS1)

Prepared & Analyzed: 11/21/22

Benzene	0.0961	0.00100	mg/L	0.100		96.1	80-120			
Toluene	0.0942	0.00100	"	0.100		94.2	80-120			
Ethylbenzene	0.102	0.00100	"	0.100		102	80-120			
Xylene (p/m)	0.196	0.00200	"	0.200		97.8	80-120			
Xylene (o)	0.0844	0.00100	"	0.100		84.4	80-120			
Surrogate: 4-Bromofluorobenzene	0.112		"	0.120		93.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			

LCS Dup (P2K2107-BSD1)

Prepared & Analyzed: 11/21/22

Benzene	0.0966	0.00100	mg/L	0.100		96.6	80-120	0.508	20	
Toluene	0.0924	0.00100	"	0.100		92.4	80-120	1.93	20	
Ethylbenzene	0.100	0.00100	"	0.100		100	80-120	1.68	20	
Xylene (p/m)	0.191	0.00200	"	0.200		95.6	80-120	2.31	20	
Xylene (o)	0.0818	0.00100	"	0.100		81.8	80-120	3.24	20	
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120		87.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			

Calibration Blank (P2K2107-CCB1)

Prepared & Analyzed: 11/21/22

Benzene	0.160		ug/l							
Toluene	0.490		"							
Ethylbenzene	0.280		"							
Xylene (p/m)	0.710		"							
Xylene (o)	0.380		"							
Surrogate: 4-Bromofluorobenzene	0.106		"	0.120		88.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.113		"	0.120		94.0	80-120			

Permian Basin Environmental Lab, L.P.

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

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

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

Batch P2K2107 - * DEFAULT PREP *****

Calibration Blank (P2K2107-CCB2)

Prepared & Analyzed: 11/21/22

Benzene	0.0900		ug/l							
Toluene	0.300		"							
Ethylbenzene	0.430		"							
Xylene (p/m)	1.14		"							
Xylene (o)	0.610		"							
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120		90.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		96.2	80-120			

Calibration Check (P2K2107-CCV1)

Prepared & Analyzed: 11/21/22

Benzene	0.108	0.00100	mg/L	0.100		108	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)	0.208	0.00200	"	0.200		104	80-120			
Xylene (o)	0.0903	0.00100	"	0.100		90.3	80-120			
Surrogate: 4-Bromofluorobenzene	0.112		"	0.120		93.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.124		"	0.120		103	80-120			

Calibration Check (P2K2107-CCV2)

Prepared & Analyzed: 11/21/22

Benzene	0.111	0.00100	mg/L	0.100		111	80-120			
Toluene	0.113	0.00100	"	0.100		113	80-120			
Ethylbenzene	0.113	0.00100	"	0.100		113	80-120			
Xylene (p/m)	0.232	0.00200	"	0.200		116	80-120			
Xylene (o)	0.100	0.00100	"	0.100		100	80-120			
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		102	80-120			

Calibration Check (P2K2107-CCV3)

Prepared: 11/21/22 Analyzed: 11/22/22

Benzene	0.109	0.00100	mg/L	0.100		109	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.101	0.00100	"	0.100		101	80-120			
Xylene (p/m)	0.207	0.00200	"	0.200		103	80-120			
Xylene (o)	0.0909	0.00100	"	0.100		90.9	80-120			
Surrogate: 4-Bromofluorobenzene	0.111		"	0.120		92.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		101	80-120			

Permian Basin Environmental Lab, L.P.

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

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

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

Batch P2K2107 - * DEFAULT PREP *****

Matrix Spike (P2K2107-MS1)

Source: 2K16005-01

Prepared: 11/21/22 Analyzed: 11/22/22

Benzene	0.103	0.00100	mg/L	0.100	ND	103	80-120			
Toluene	0.0992	0.00100	"	0.100	ND	99.2	80-120			
Ethylbenzene	0.107	0.00100	"	0.100	0.000970	106	80-120			
Xylene (p/m)	0.205	0.00200	"	0.200	0.00258	101	80-120			
Xylene (o)	0.0877	0.00100	"	0.100	0.000840	86.8	80-120			
Surrogate: 4-Bromofluorobenzene	0.110		"	0.120		91.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			

Matrix Spike Dup (P2K2107-MSD1)

Source: 2K16005-01

Prepared: 11/21/22 Analyzed: 11/22/22

Benzene	0.100	0.00100	mg/L	0.100	ND	100	80-120	3.34	20	
Toluene	0.0963	0.00100	"	0.100	ND	96.3	80-120	3.04	20	
Ethylbenzene	0.105	0.00100	"	0.100	0.000970	104	80-120	2.63	20	
Xylene (p/m)	0.199	0.00200	"	0.200	0.00258	98.3	80-120	3.01	20	
Xylene (o)	0.0856	0.00100	"	0.100	0.000840	84.8	80-120	2.34	20	
Surrogate: 4-Bromofluorobenzene	0.112		"	0.120		93.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.125		"	0.120		104	80-120			

Permian Basin Environmental Lab, L.P.

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

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

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

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
Batch P2K1610 - *** DEFAULT PREP ***										
Blank (P2K1610-BLK1)				Prepared & Analyzed: 11/16/22						
Sulfate	ND	1.00	mg/L							
Nitrate as N	ND	0.200	"							
LCS (P2K1610-BS1)				Prepared & Analyzed: 11/16/22						
Sulfate	20.6		mg/L	20.0		103	90-110			
Nitrate as N	1.91		"	2.00		95.6	90-110			
LCS Dup (P2K1610-BSD1)				Prepared & Analyzed: 11/16/22						
Sulfate	20.7		mg/L	20.0		103	90-110	0.407	10	
Nitrate as N	1.92		"	2.00		96.0	90-110	0.470	10	
Calibration Blank (P2K1610-CCB1)				Prepared: 11/16/22 Analyzed: 11/17/22						
Sulfate	0.00		mg/L							
Nitrate as N	0.00		"							
Calibration Check (P2K1610-CCV1)				Prepared & Analyzed: 11/16/22						
Sulfate	20.8		mg/L	20.0		104	90-110			
Nitrate as N	1.90		"	2.00		94.8	90-110			
Calibration Check (P2K1610-CCV2)				Prepared: 11/16/22 Analyzed: 11/17/22						
Sulfate	20.5		mg/L	20.0		102	90-110			
Nitrate as N	1.88		"	2.00		93.9	90-110			
Matrix Spike (P2K1610-MS1)				Source: 2K16005-01		Prepared & Analyzed: 11/16/22				
Sulfate	61.1	1.00	mg/L	2.00	60.9	9.40	80-120			
Matrix Spike Dup (P2K1610-MSD1)				Source: 2K16005-01		Prepared & Analyzed: 11/16/22				
Sulfate	61.1	1.00	mg/L	2.00	60.9	9.30	80-120	0.00328	20	

Permian Basin Environmental Lab, L.P.

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

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

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

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
Batch P2K2909 - *** DEFAULT PREP ***										
Blank (P2K2909-BLK1)	Prepared & Analyzed: 11/29/22									
Chemical Oxygen Demand	ND	3.00	mg/L							QAL1
LCS (P2K2909-BS1)	Prepared & Analyzed: 11/29/22									
Chemical Oxygen Demand	95.0	3.00	mg/L	100		95.0	80-120			QAL1
LCS Dup (P2K2909-BSD1)	Prepared & Analyzed: 11/29/22									
Chemical Oxygen Demand	102	3.00	mg/L	100		102	80-120	7.11	20	QAL1
Calibration Blank (P2K2909-CCB1)	Prepared & Analyzed: 11/29/22									
Chemical Oxygen Demand	0.00		mg/L							QAL1
Calibration Check (P2K2909-CCV1)	Prepared & Analyzed: 11/29/22									
Chemical Oxygen Demand	97.0	3.00	mg/L				80-120			QAL1
Calibration Check (P2K2909-CCV2)	Prepared & Analyzed: 11/29/22									
Chemical Oxygen Demand	97.0	3.00	mg/L				80-120			QAL1
Duplicate (P2K2909-DUP1)	Source: 2K16005-01		Prepared & Analyzed: 11/29/22							
Chemical Oxygen Demand	6.00	3.00	mg/L		5.00			18.2	20	QAL1
Matrix Spike (P2K2909-MS1)	Source: 2K16005-01		Prepared & Analyzed: 11/29/22							
Chemical Oxygen Demand	112	3.00	mg/L	100	5.00	107	80-120			QAL1
Matrix Spike Dup (P2K2909-MSD1)	Source: 2K16005-01		Prepared & Analyzed: 11/29/22							
Chemical Oxygen Demand	114	3.00	mg/L	100	5.00	109	80-120	1.77	20	QAL1

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

Dissolved 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 P2L0204 - *** DEFAULT PREP ***										
Blank (P2L0204-BLK1)				Prepared & Analyzed: 12/02/22						
Manganese	0.000307	0.100	mg/L							J
Iron	ND	0.200	"							
LCS (P2L0204-BS1)				Prepared & Analyzed: 12/02/22						
Manganese	0.225	0.100	mg/L	0.200		112	80-120			
Iron	0.386	0.200	"	0.400		96.6	80-120			
LCS Dup (P2L0204-BSD1)				Prepared & Analyzed: 12/02/22						
Iron	0.376	0.200	mg/L	0.400		94.1	80-120	2.61	20	
Manganese	0.218	0.100	"	0.200		109	80-120	2.98	20	
Calibration Blank (P2L0204-CCB1)				Prepared & Analyzed: 12/02/22						
Manganese	0.000320		mg/L							J
Iron	0.00441		"							
Calibration Blank (P2L0204-CCB2)				Prepared & Analyzed: 12/02/22						
Iron	0.00383		mg/L							
Manganese	0.000344		"							J
Calibration Blank (P2L0204-CCB3)				Prepared & Analyzed: 12/02/22						
Manganese	0.000300		mg/L							J
Iron	0.00340		"							
Calibration Check (P2L0204-CCV1)				Prepared & Analyzed: 12/02/22						
Manganese	0.227	0.100	mg/L	0.200		114	80-120			
Iron	0.373	0.200	"	0.400		93.1	80-120			
Calibration Check (P2L0204-CCV2)				Prepared & Analyzed: 12/02/22						
Manganese	0.225	0.100	mg/L	0.200		112	80-120			
Iron	0.416	0.200	"	0.400		104	80-120			

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

Dissolved 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 P2L0204 - * DEFAULT PREP *****

Calibration Check (P2L0204-CCV3)

Prepared & Analyzed: 12/02/22

Manganese	0.218	0.100	mg/L	0.200		109	80-120			
Iron	0.425	0.200	"	0.400		106	80-120			

Matrix Spike (P2L0204-MS1)

Source: 2K16005-01

Prepared & Analyzed: 12/02/22

Iron	0.486	0.200	mg/L	0.400	0.0388	112	75-125			
Manganese	0.196	0.100	"	0.200	0.00178	97.2	75-125			

Matrix Spike Dup (P2L0204-MSD1)

Source: 2K16005-01

Prepared & Analyzed: 12/02/22

Manganese	0.204	0.100	mg/L	0.200	0.00178	101	75-125	3.63	20	
Iron	0.494	0.200	"	0.400	0.0388	114	75-125	1.56	20	

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

Notes and Definitions

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

ROI Received on Ice

QAL1 The Laboratory is not TNI Certified for this analyte or analysis.

pH1 The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.

NPBEL C Chain of Custody was not generated at PBELAB

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: 12/8/2022

Brent Barron, Laboratory Director/Technical Director

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

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.

PBBLAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-661-4184

C.M.H

Project Manager: Curt Stanley

Project Name: TNM 97-04

Company Name: TRC Environmental Corporation

Project #: SRS TNM 97-04

Company Address: 10 Desia Drive, Ste 130E

Project Loc: Lea County, NM

City/State/Zip: Midland/TX/79705

PO #:

Telephone No: (432)5207720

Report Format: ☒ Standard ☐ TRRP ☐ NPDESSampler Signature: *James D. C. G.*e-mail: cdstanley@trccompanies.com
clbrvant@paalp.com
khudgens@paalp.com

(lab use only)

ORDER #:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered (1-250 NHO ₃)	Total #. of Containers	Preservation & # of Containers								Matrix	Analyze For:																
								Ice	HNO ₃ (1-250mL)	HCl (6 VOA + 1-250 mL)	H ₂ SO ₄ (1-250 mL)	NaOH	Na ₂ S ₂ O ₃	None (3 Amber VOA)	Other (Specify)	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	TOC MW 5310	Dissolved Methane, Ethane, and Ethene by RSK-175	Total Dissolved Metals (Fe and Mn) by SW 6010	Nitrate and Sulfate by E300	COD by SM 5310	Total BTEX by 8260	PAH by 8270	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	
	MW-10			11.15.22	1210	1	9	X	1	7	1						GW	X	X	X	X	X											X
	MW-15			11.15.22	1315	1	9	X	1	7	1						GW	X	X	X	X	X											X
	MW-14			11.15.22	1405	1	9	X	1	7	1						GW	X	X	X	X	X											X
	MW-5			11.15.22	1455	1	10	X	1	7	1						GW	X	X	X	X	X											X
	MW-9			11.15.22	1530	1	10	X	1	7	1						GW	X	X	X	X	X											X
	MW-6			11.15.22	1645	1	12	X	1	7	1						GW	X	X	X	X	X											X

Special Instructions:
Bill to PlainsRelinquished by: *POCG* Date: 11.16.22 Time: 0915 Received by: *James D. C. G.* Date: 11/16/22 Time: 915Relinquished by: *POCG* Date: 11.16.22 Time: 0915 Received by: *James D. C. G.* Date: 11/16/22 Time: 915Relinquished by: *POCG* Date: 11.16.22 Time: 0915 Received by: *James D. C. G.* Date: 11/16/22 Time: 915Relinquished by: *POCG* Date: 11.16.22 Time: 0915 Received by: *James D. C. G.* Date: 11/16/22 Time: 915

Laboratory Comments:

Sample Containers Intact?

VOCs Free of Headspace?

Labels on Containers?

Custody seals on containers?

Custody seals on cooler(s)?

Sample Hand Delivered?

by Courier? UPS DHL FedEx

Temperature Upon Receipt: 34.9 °C

Adjusted: 34.9 °C Factor: 1.0



CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 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

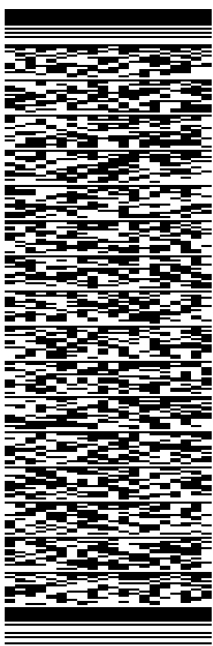
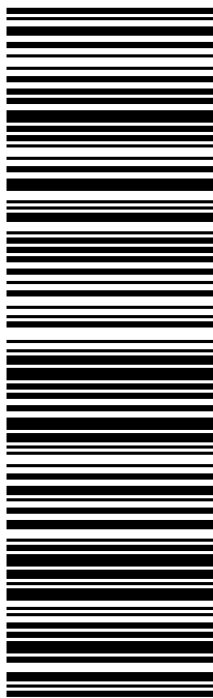
Sampler Signature: N/A

e-mail: brentbarron@pbelab.com

[illegible]

SPECIAL INSTRUCTIONS:

						Sample Containers Intact?	Y	N
						VOCs Free of Headspace?	Y	N
Relinquished by:	Date	Time	Received by:	Date	Time	Labels on container(s)	Y	N
Brent Barron						Custody seals on container(s)	Y	N
						Custody seals on cooler(s)	Y	N
Relinquished by:	Date	Time	Received by:	Date	Time	Sample Hand Delivered	Y	N
						by Sampler/Client Rep. ?	Y	N
						by Courier?	UPS	DHL
							FedEx	Lone Star
Relinquished by:	Date	Time	Received by:	Date	Time	Temperature Upon Receipt:		
						Received:	°C	
						Adjusted:	°C Factor	

ORIGIN ID:MAFA BRENT BARRON PBE LAB 1400 RANKIN HWY MIDLAND, TX 79701 UNITED STATES US	(432) 686-7235	SHIP DATE: 17NOV22 ACTWGHT: 14.00 LB CAD: 107136846/INET4530
BILL RECIPIENT		
TO SAMPLE RECEIVING		
ALS-HOUSTON		
10450 STANCLIFF RD		
HOUSTON TX 77099		
REF: (281) 530-5615	DEPT:	
INV:		
PO:		
		
		
		
J224222101801uv		
TRK# 0201	7705 2456 7787	FRI - 18 NOV 4:30P
STANDARD OVERNIGHT		
AB SGRA		TX-US 77099 IAH
		

581J6/E4B8/FE2D

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

November 30, 2022

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

Work Order: **HS22111200**

Laboratory Results for: **2K16005**

Dear Brent Barron,

ALS Environmental received 6 sample(s) on Nov 18, 2022 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
Anna Kinchen
Project Manager

ALS Houston, US

Date: 30-Nov-22

Client:

Project:

Work Order:

Permian Basin Environmental Lab, LP
2K16005
HS22111200

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS22111200-01	2K16005-01	Water		15-Nov-2022 12:10	18-Nov-2022 09:10	☐
HS22111200-02	2K16005-02	Water		15-Nov-2022 13:15	18-Nov-2022 09:10	☐
HS22111200-03	2K16005-03	Water		15-Nov-2022 14:05	18-Nov-2022 09:10	☐
HS22111200-04	2K16005-04	Water		15-Nov-2022 14:55	18-Nov-2022 09:10	☐
HS22111200-05	2K16005-05	Water		15-Nov-2022 15:50	18-Nov-2022 09:10	☐
HS22111200-06	2K16005-06	Water		15-Nov-2022 16:45	18-Nov-2022 09:10	☐

ALS Houston, US

Date: 30-Nov-22

Client: Permian Basin Environmental Lab, LP
Project: 2K16005
Work Order: HS22111200

CASE NARRATIVE**GC Semivolatiles by Method RSK-175****Batch ID: R422706**

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

GCMS Semivolatiles by Method SW8270**Batch ID: 186466****Sample ID: LCSD-186466**

- LCSD RPD was above the upper control limit. The individual recoveries were in control

WetChemistry by Method E415.1**Batch ID: R422775**

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

ALS Houston, US

Date: 30-Nov-22

Client:Permian Basin Environmental Lab, LP

Project:2K16005

Sample ID:2K16005-01

Collection Date:15-Nov-2022 12:10

ANALYTICAL REPORT

WorkOrder:HS22111200

Lab ID:HS22111200-01

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: PPM		
Ethane	ND		1.00	ug/L	1	22-Nov-2022 13:23
Ethene	ND		1.00	ug/L	1	22-Nov-2022 13:23
Methane	1.47		0.500	ug/L	1	22-Nov-2022 13:23
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	2.05		1.00	mg/L	1	29-Nov-2022 13:12

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

ALS Houston, US

Date: 30-Nov-22

Client:Permian Basin Environmental Lab, LP

Project:2K16005

Sample ID:2K16005-02

Collection Date:15-Nov-2022 13:15

ANALYTICAL REPORT

WorkOrder:HS22111200

Lab ID:HS22111200-02

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: PPM		
Ethane	ND		1.00	ug/L	1	22-Nov-2022 13:39
Ethene	1.78		1.00	ug/L	1	22-Nov-2022 13:39
Methane	28.3		0.500	ug/L	1	22-Nov-2022 13:39
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	1.76		1.00	mg/L	1	29-Nov-2022 13:24

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

ALS Houston, US

Date: 30-Nov-22

Client:Permian Basin Environmental Lab, LP

Project:2K16005

Sample ID:2K16005-03

Collection Date:15-Nov-2022 14:05

ANALYTICAL REPORT

WorkOrder:HS22111200

Lab ID:HS22111200-03

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: PPM		
Ethane	2.43		2.00	ug/L	2	22-Nov-2022 16:16
Ethene	1.46		1.00	ug/L	1	22-Nov-2022 14:16
Methane	39.8		1.00	ug/L	2	22-Nov-2022 16:16
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	1.45		1.00	mg/L	1	29-Nov-2022 13:36

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

ALS Houston, US

Date: 30-Nov-22

Client: Permian Basin Environmental Lab, LP
 Project: 2K16005
 Sample ID: 2K16005-04
 Collection Date: 15-Nov-2022 14:55

ANALYTICAL REPORT

WorkOrder:HS22111200
 Lab ID:HS22111200-04
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL PAHS - 8270D		Method:SW8270		Prep:SW3511 / 21-Nov-2022		Analyst: MBG
1-Methylnaphthalene	94.0	n	1.04	ug/L	10	23-Nov-2022 19:00
2-Methylnaphthalene	57.5		1.04	ug/L	10	23-Nov-2022 19:00
Acenaphthene	0.456		0.104	ug/L	1	22-Nov-2022 13:41
Acenaphthylene	0.527		0.104	ug/L	1	22-Nov-2022 13:41
Anthracene	0.495		0.104	ug/L	1	22-Nov-2022 13:41
Benz(a)anthracene	ND		0.104	ug/L	1	22-Nov-2022 13:41
Benzo(a)pyrene	ND		0.104	ug/L	1	22-Nov-2022 13:41
Benzo(b)fluoranthene	ND		0.104	ug/L	1	22-Nov-2022 13:41
Benzo(g,h,i)perylene	ND		0.104	ug/L	1	22-Nov-2022 13:41
Benzo(k)fluoranthene	ND		0.104	ug/L	1	22-Nov-2022 13:41
Chrysene	0.529		0.104	ug/L	1	22-Nov-2022 13:41
Dibenz(a,h)anthracene	ND		0.104	ug/L	1	22-Nov-2022 13:41
Fluoranthene	ND		0.104	ug/L	1	22-Nov-2022 13:41
Fluorene	7.23		0.104	ug/L	1	22-Nov-2022 13:41
Indeno(1,2,3-cd)pyrene	ND		0.104	ug/L	1	22-Nov-2022 13:41
Naphthalene	85.6		1.04	ug/L	10	23-Nov-2022 19:00
Phenanthrene	6.42		0.104	ug/L	1	22-Nov-2022 13:41
Pyrene	ND		0.104	ug/L	1	22-Nov-2022 13:41
Surr: 2-Fluorobiphenyl	75.4		32-130	%REC	10	23-Nov-2022 19:00
Surr: 2-Fluorobiphenyl	120		32-130	%REC	1	22-Nov-2022 13:41
Surr: 4-Terphenyl-d14	123		40-135	%REC	1	22-Nov-2022 13:41
Surr: 4-Terphenyl-d14	81.1		40-135	%REC	10	23-Nov-2022 19:00
Surr: Nitrobenzene-d5	75.7		45-142	%REC	10	23-Nov-2022 19:00
Surr: Nitrobenzene-d5	125		45-142	%REC	1	22-Nov-2022 13:41
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: PPM		
Ethane	ND		1.00	ug/L	1	22-Nov-2022 14:29
Ethene	ND		1.00	ug/L	1	22-Nov-2022 14:29
Methane	5,760		200	ug/L	400	22-Nov-2022 16:25
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	4.54		1.00	mg/L	1	29-Nov-2022 13:49

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

ALS Houston, US

Date: 30-Nov-22

Client: Permian Basin Environmental Lab, LP
 Project: 2K16005
 Sample ID: 2K16005-05
 Collection Date: 15-Nov-2022 15:50

ANALYTICAL REPORT

WorkOrder:HS22111200
 Lab ID:HS22111200-05
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL PAHS - 8270D		Method:SW8270		Prep:SW3511 / 21-Nov-2022		Analyst: MBG
1-Methylnaphthalene	56.3	n	1.04	ug/L	10	23-Nov-2022 19:25
2-Methylnaphthalene	16.9		1.04	ug/L	10	23-Nov-2022 19:25
Acenaphthene	0.118		0.104	ug/L	1	22-Nov-2022 14:06
Acenaphthylene	0.190		0.104	ug/L	1	22-Nov-2022 14:06
Anthracene	ND		0.104	ug/L	1	22-Nov-2022 14:06
Benz(a)anthracene	ND		0.104	ug/L	1	22-Nov-2022 14:06
Benzo(a)pyrene	ND		0.104	ug/L	1	22-Nov-2022 14:06
Benzo(b)fluoranthene	ND		0.104	ug/L	1	22-Nov-2022 14:06
Benzo(g,h,i)perylene	ND		0.104	ug/L	1	22-Nov-2022 14:06
Benzo(k)fluoranthene	ND		0.104	ug/L	1	22-Nov-2022 14:06
Chrysene	ND		0.104	ug/L	1	22-Nov-2022 14:06
Dibenz(a,h)anthracene	ND		0.104	ug/L	1	22-Nov-2022 14:06
Fluoranthene	ND		0.104	ug/L	1	22-Nov-2022 14:06
Fluorene	2.95		0.104	ug/L	1	22-Nov-2022 14:06
Indeno(1,2,3-cd)pyrene	ND		0.104	ug/L	1	22-Nov-2022 14:06
Naphthalene	30.3		1.04	ug/L	10	23-Nov-2022 19:25
Phenanthrene	3.31		0.104	ug/L	1	22-Nov-2022 14:06
Pyrene	ND		0.104	ug/L	1	22-Nov-2022 14:06
Surr: 2-Fluorobiphenyl	119		32-130	%REC	1	22-Nov-2022 14:06
Surr: 2-Fluorobiphenyl	59.9		32-130	%REC	10	23-Nov-2022 19:25
Surr: 4-Terphenyl-d14	69.9		40-135	%REC	10	23-Nov-2022 19:25
Surr: 4-Terphenyl-d14	114		40-135	%REC	1	22-Nov-2022 14:06
Surr: Nitrobenzene-d5	139		45-142	%REC	1	22-Nov-2022 14:06
Surr: Nitrobenzene-d5	50.2		45-142	%REC	10	23-Nov-2022 19:25
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: PPM		
Ethane	ND		1.00	ug/L	1	22-Nov-2022 14:49
Ethene	ND		1.00	ug/L	1	22-Nov-2022 14:49
Methane	1,040		25.0	ug/L	50	22-Nov-2022 16:38
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	3.40		1.00	mg/L	1	29-Nov-2022 14:02

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

ALS Houston, US

Date: 30-Nov-22

Client: Permian Basin Environmental Lab, LP
 Project: 2K16005
 Sample ID: 2K16005-06
 Collection Date: 15-Nov-2022 16:45

ANALYTICAL REPORT

WorkOrder:HS22111200
 Lab ID:HS22111200-06
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL PAHS - 8270D		Method:SW8270		Prep:SW3511 / 21-Nov-2022		Analyst: MBG
1-Methylnaphthalene	5.41	n	0.103	ug/L	1	22-Nov-2022 14:31
2-Methylnaphthalene	2.31		0.103	ug/L	1	22-Nov-2022 14:31
Acenaphthene	ND		0.103	ug/L	1	22-Nov-2022 14:31
Acenaphthylene	ND		0.103	ug/L	1	22-Nov-2022 14:31
Anthracene	0.921		0.103	ug/L	1	22-Nov-2022 14:31
Benz(a)anthracene	ND		0.103	ug/L	1	22-Nov-2022 14:31
Benzo(a)pyrene	ND		0.103	ug/L	1	22-Nov-2022 14:31
Benzo(b)fluoranthene	ND		0.103	ug/L	1	22-Nov-2022 14:31
Benzo(g,h,i)perylene	ND		0.103	ug/L	1	22-Nov-2022 14:31
Benzo(k)fluoranthene	ND		0.103	ug/L	1	22-Nov-2022 14:31
Chrysene	1.97		0.103	ug/L	1	22-Nov-2022 14:31
Dibenz(a,h)anthracene	ND		0.103	ug/L	1	22-Nov-2022 14:31
Fluoranthene	ND		0.103	ug/L	1	22-Nov-2022 14:31
Fluorene	1.63		0.103	ug/L	1	22-Nov-2022 14:31
Indeno(1,2,3-cd)pyrene	ND		0.103	ug/L	1	22-Nov-2022 14:31
Naphthalene	5.42		0.103	ug/L	1	22-Nov-2022 14:31
Phenanthrene	1.45		0.103	ug/L	1	22-Nov-2022 14:31
Pyrene	ND		0.103	ug/L	1	22-Nov-2022 14:31
Surr: 2-Fluorobiphenyl	110		32-130	%REC	1	22-Nov-2022 14:31
Surr: 4-Terphenyl-d14	122		40-135	%REC	1	22-Nov-2022 14:31
Surr: Nitrobenzene-d5	99.7		45-142	%REC	1	22-Nov-2022 14:31
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: PPM		
Ethane	ND		1.00	ug/L	1	22-Nov-2022 16:58
Ethene	ND		1.00	ug/L	1	22-Nov-2022 16:58
Methane	588		25.0	ug/L	50	22-Nov-2022 17:12
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	3.51		1.00	mg/L	1	29-Nov-2022 15:17

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

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: 2K16005
WorkOrder: HS22111200

Batch ID: 186466	Start Date: 21 Nov 2022 14:30	End Date: 21 Nov 2022 16:30
Method: SW3511	Prep Code: 3511_PAH	

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS22111200-04		31.74 (mL)	2 (mL)	0.06301	40 mL Amber
HS22111200-05		31.6 (mL)	2 (mL)	0.06329	40 mL Amber
HS22111200-06		32 (mL)	2 (mL)	0.0625	40 mL Amber

ALS Houston, US

Date: 30-Nov-22

Client: Permian Basin Environmental Lab, LP
Project: 2K16005
WorkOrder: HS22111200

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 186466 (0)		Test Name : LOW-LEVEL PAHS - 8270D			Matrix: Water	
HS22111200-04	2K16005-04	15 Nov 2022 14:55		21 Nov 2022 14:30	23 Nov 2022 19:00	10
HS22111200-04	2K16005-04	15 Nov 2022 14:55		21 Nov 2022 14:30	22 Nov 2022 13:41	1
HS22111200-05	2K16005-05	15 Nov 2022 15:50		21 Nov 2022 14:30	23 Nov 2022 19:25	10
HS22111200-05	2K16005-05	15 Nov 2022 15:50		21 Nov 2022 14:30	22 Nov 2022 14:06	1
HS22111200-06	2K16005-06	15 Nov 2022 16:45		21 Nov 2022 14:30	22 Nov 2022 14:31	1
Batch ID: R422706 (0)		Test Name : DISSOLVED GASES BY RSK-175			Matrix: Water	
HS22111200-01	2K16005-01	15 Nov 2022 12:10			22 Nov 2022 13:23	1
HS22111200-02	2K16005-02	15 Nov 2022 13:15			22 Nov 2022 13:39	1
HS22111200-03	2K16005-03	15 Nov 2022 14:05			22 Nov 2022 16:16	2
HS22111200-03	2K16005-03	15 Nov 2022 14:05			22 Nov 2022 14:16	1
HS22111200-04	2K16005-04	15 Nov 2022 14:55			22 Nov 2022 16:25	400
HS22111200-04	2K16005-04	15 Nov 2022 14:55			22 Nov 2022 14:29	1
HS22111200-05	2K16005-05	15 Nov 2022 15:50			22 Nov 2022 16:38	50
HS22111200-05	2K16005-05	15 Nov 2022 15:50			22 Nov 2022 14:49	1
HS22111200-06	2K16005-06	15 Nov 2022 16:45			22 Nov 2022 17:12	50
HS22111200-06	2K16005-06	15 Nov 2022 16:45			22 Nov 2022 16:58	1
Batch ID: R422775 (0)		Test Name : TOTAL ORGANIC CARBON BY E415.1			Matrix: Water	
HS22111200-01	2K16005-01	15 Nov 2022 12:10			29 Nov 2022 13:12	1
HS22111200-02	2K16005-02	15 Nov 2022 13:15			29 Nov 2022 13:24	1
HS22111200-03	2K16005-03	15 Nov 2022 14:05			29 Nov 2022 13:36	1
HS22111200-04	2K16005-04	15 Nov 2022 14:55			29 Nov 2022 13:49	1
HS22111200-05	2K16005-05	15 Nov 2022 15:50			29 Nov 2022 14:02	1
HS22111200-06	2K16005-06	15 Nov 2022 16:45			29 Nov 2022 15:17	1

ALS Houston, US

Date: 30-Nov-22

Client: Permian Basin Environmental Lab, LP
Project: 2K16005
WorkOrder: HS22111200

QC BATCH REPORT

Batch ID: R422706 (0)		Instrument: FID-4		Method: DISSOLVED GASES BY RSK-175					
MBLK	Sample ID: MBLK-221122	Units: ug/L		Analysis Date: 22-Nov-2022 11:41					
Client ID:	Run ID: FID-4_422706		SeqNo: 7002772		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual

Ethane	ND	1.00							
Ethene	ND	1.00							
Methane	ND	0.500							

LCS	Sample ID: LCS-221122	Units: ug/L		Analysis Date: 22-Nov-2022 12:09					
Client ID:	Run ID: FID-4_422706		SeqNo: 7002773		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Ethane	19.51	1.00	18.04	0	108	75 - 125			
Ethene	18.91	1.00	16.8	0	113	75 - 125			
Methane	7.94	0.500	9.647	0	82.3	75 - 125			

LCSD	Sample ID: LCSD-221122	Units: ug/L		Analysis Date: 22-Nov-2022 12:32					
Client ID:	Run ID: FID-4_422706		SeqNo: 7002774		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Ethane	19.68	1.00	18.04	0	109	75 - 125	19.51	0.823	30
Ethene	18.02	1.00	16.8	0	107	75 - 125	18.91	4.84	30
Methane	8.022	0.500	9.647	0	83.2	75 - 125	7.94	1.03	30

DUP	Sample ID: HS22111200-02DUP	Units: ug/L		Analysis Date: 22-Nov-2022 15:25					
Client ID: 2K16005-02	Run ID: FID-4_422706		SeqNo: 7002782		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Ethane	ND	1.00					0	0	30
Ethene	2.262	1.00					1.784	23.6	30
Methane	27.68	0.500					28.28	2.15	30

The following samples were analyzed in this batch:

HS22111200-01	HS22111200-02	HS22111200-03	HS22111200-04
HS22111200-05	HS22111200-06		

ALS Houston, US

Date: 30-Nov-22

Client: Permian Basin Environmental Lab, LP
Project: 2K16005
WorkOrder: HS22111200

QC BATCH REPORT

Batch ID: 186466 (0)		Instrument: SV-6		Method: LOW-LEVEL PAHS - 8270D						
MBLK	Sample ID: MBLK-186466	Units: ug/L		Analysis Date: 22-Nov-2022 11:10						
Client ID:	Run ID: SV-6_422398	SeqNo: 6995294		PrepDate: 21-Nov-2022		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								
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	2.725	0.100	3.03	0	89.9	32 - 130				
Surr: 4-Terphenyl-d14	3.542	0.100	3.03	0	117	40 - 135				
Surr: Nitrobenzene-d5	2.923	0.100	3.03	0	96.5	45 - 142				

ALS Houston, US

Date: 30-Nov-22

Client: Permian Basin Environmental Lab, LP
Project: 2K16005
WorkOrder: HS22111200

QC BATCH REPORT

Batch ID: 186466 (0)		Instrument: SV-6		Method: LOW-LEVEL PAHS - 8270D					
LCS		Sample ID: LCS-186466		Units: ug/L		Analysis Date: 22-Nov-2022 11:36			
Client ID:		Run ID: SV-6_422398		SeqNo: 6995295		PrepDate: 21-Nov-2022		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
1-Methylnaphthalene	3.882	0.100	3.03	0	128	40 - 140			
2-Methylnaphthalene	2.051	0.100	3.03	0	67.7	40 - 140			
Acenaphthene	2.377	0.100	3.03	0	78.4	40 - 140			
Acenaphthylene	2.591	0.100	3.03	0	85.5	40 - 140			
Anthracene	2.589	0.100	3.03	0	85.4	40 - 140			
Benz(a)anthracene	1.868	0.100	3.03	0	61.6	40 - 140			
Benzo(a)pyrene	3.33	0.100	3.03	0	110	40 - 140			
Benzo(b)fluoranthene	3.858	0.100	3.03	0	127	40 - 140			
Benzo(g,h,i)perylene	3.578	0.100	3.03	0	118	40 - 140			
Benzo(k)fluoranthene	4.07	0.100	3.03	0	134	40 - 140			
Chrysene	2.049	0.100	3.03	0	67.6	40 - 140			
Dibenz(a,h)anthracene	3.894	0.100	3.03	0	129	40 - 140			
Fluoranthene	1.83	0.100	3.03	0	60.4	40 - 140			
Fluorene	2.99	0.100	3.03	0	98.7	40 - 140			
Indeno(1,2,3-cd)pyrene	3.863	0.100	3.03	0	127	40 - 140			
Naphthalene	3.205	0.100	3.03	0	106	40 - 140			
Phenanthrene	1.561	0.100	3.03	0	51.5	40 - 140			
Pyrene	1.596	0.100	3.03	0	52.7	40 - 140			
Surr: 2-Fluorobiphenyl	2.04	0.100	3.03	0	67.3	32 - 130			
Surr: 4-Terphenyl-d14	2.128	0.100	3.03	0	70.2	40 - 135			
Surr: Nitrobenzene-d5	2.089	0.100	3.03	0	68.9	45 - 142			

ALS Houston, US

Date: 30-Nov-22

Client: Permian Basin Environmental Lab, LP
Project: 2K16005
WorkOrder: HS22111200

QC BATCH REPORT

Batch ID: 186466 (0)		Instrument: SV-6		Method: LOW-LEVEL PAHS - 8270D						
LCSD		Sample ID: LCSD-186466		Units: ug/L		Analysis Date: 22-Nov-2022 12:01				
Client ID:		Run ID: SV-6_422398		SeqNo: 6995296		PrepDate: 21-Nov-2022		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	4.063	0.100	3.03	0	134	40 - 140	3.882	4.56	25	
2-Methylnaphthalene	2.137	0.100	3.03	0	70.5	40 - 140	2.051	4.11	25	
Acenaphthene	2.9	0.100	3.03	0	95.7	40 - 140	2.377	19.8	25	
Acenaphthylene	3.203	0.100	3.03	0	106	40 - 140	2.591	21.1	25	
Anthracene	3.926	0.100	3.03	0	130	40 - 140	2.589	41.1	25	R
Benz(a)anthracene	3.142	0.100	3.03	0	104	40 - 140	1.868	50.9	25	R
Benzo(a)pyrene	2.235	0.100	3.03	0	73.8	40 - 140	3.33	39.4	25	R
Benzo(b)fluoranthene	2.998	0.100	3.03	0	98.9	40 - 140	3.858	25.1	25	R
Benzo(g,h,i)perylene	2.532	0.100	3.03	0	83.6	40 - 140	3.578	34.3	25	R
Benzo(k)fluoranthene	2.939	0.100	3.03	0	97.0	40 - 140	4.07	32.3	25	R
Chrysene	3.227	0.100	3.03	0	107	40 - 140	2.049	44.7	25	R
Dibenz(a,h)anthracene	3.538	0.100	3.03	0	117	40 - 140	3.894	9.6	25	
Fluoranthene	2.824	0.100	3.03	0	93.2	40 - 140	1.83	42.7	25	R
Fluorene	2.789	0.100	3.03	0	92.0	40 - 140	2.99	6.96	25	
Indeno(1,2,3-cd)pyrene	3.495	0.100	3.03	0	115	40 - 140	3.863	9.98	25	
Naphthalene	3.32	0.100	3.03	0	110	40 - 140	3.205	3.51	25	
Phenanthrene	1.606	0.100	3.03	0	53.0	40 - 140	1.561	2.88	25	
Pyrene	2.558	0.100	3.03	0	84.4	40 - 140	1.596	46.3	25	R
Surr: 2-Fluorobiphenyl	1.933	0.100	3.03	0	63.8	32 - 130	2.04	5.35	25	
Surr: 4-Terphenyl-d14	3.111	0.100	3.03	0	103	40 - 135	2.128	37.5	25	R
Surr: Nitrobenzene-d5	1.638	0.100	3.03	0	54.1	45 - 142	2.089	24.2	25	
The following samples were analyzed in this batch:										
		HS22111200-04		HS22111200-05		HS22111200-06				

ALS Houston, US

Date: 30-Nov-22

Client: Permian Basin Environmental Lab, LP
Project: 2K16005
WorkOrder: HS22111200

QC BATCH REPORT

Batch ID: R422775 (0)		Instrument: TOC_04		Method: TOTAL ORGANIC CARBON BY E415.1					
MBLK	Sample ID: MBLK-11292022	Units: mg/L		Analysis Date: 29-Nov-2022 12:03					
Client ID:	Run ID: TOC_04_422775	SeqNo: 7004752		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Organic Carbon, Total	ND	1.00							
LCS	Sample ID: LCS-11292022	Units: mg/L		Analysis Date: 29-Nov-2022 12:16					
Client ID:	Run ID: TOC_04_422775	SeqNo: 7004753		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Organic Carbon, Total	10.48	1.00	10	0	105	85 - 115			
LCSD	Sample ID: LCSD-11292022	Units: mg/L		Analysis Date: 29-Nov-2022 12:30					
Client ID:	Run ID: TOC_04_422775	SeqNo: 7004754		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Organic Carbon, Total	10.67	1.00	10	0	107	85 - 115	10.48	1.8	20
MS	Sample ID: HS22111200-05MS	Units: mg/L		Analysis Date: 29-Nov-2022 14:25					
Client ID: 2K16005-05	Run ID: TOC_04_422775	SeqNo: 7004760		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Organic Carbon, Total	14.14	1.00	10	3.401	107	80 - 120			
The following samples were analyzed in this batch:									
HS22111200-01		HS22111200-02		HS22111200-03		HS22111200-04			
HS22111200-05		HS22111200-06							

ALS Houston, US

Date: 30-Nov-22

Client: Permian Basin Environmental Lab, LP
Project: 2K16005
WorkOrder: HS22111200

**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

ALS Houston, US

Date: 30-Nov-22

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	22-041-0	27-Mar-2023
California	2919 2022-2023	30-Apr-2023
Dept of Defense	L21-682	31-Dec-2023
Florida	E87611-36	30-Jun-2023
Illinois	2000322022-9	09-May-2023
Kansas	E-10352; 2022-2023	31-Jul-2023
Kentucky	123043, 2022-2023	30-Apr-2023
Louisiana	03087, 2022-2023	30-Jun-2023
Maryland	343, 2022-2023	30-Jun-2023
North Carolina	624-2022	31-Dec-2022
North Dakota	R-193 2022-2023	30-Apr-2023
Oklahoma	2022-141	31-Aug-2023
Texas	T104704231-22-29	30-Apr-2023
Utah	TX026932022-13	31-Jul-2023

ALS Houston, US

Date: 30-Nov-22

Sample Receipt Checklist

Work Order ID: HS22111200

Date/Time Received: 18-Nov-2022 09:10

Client Name: Permian Basin Lab

Received by: Malcolm Burleson

Completed By: /S/ Nelson D. Dusara

19-Nov-2022 13:40

Reviewed by: /S/ Anna Kinchen

21-Nov-2022 14:59

eSignature

Date/Time

eSignature

Date/Time

Matrices: **WATER**Carrier name: **FedEx**

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 ☒

VOA/TX1005/TX1006 Solids in hermetically sealed vials?

Yes ☐No ☐Not Present ☒

Chain of custody present?

Yes ☒No ☐

1 Page(s)

Chain of custody signed when relinquished and received?

Yes ☒No ☐

COC IDs:n/a

Samplers name present on COC?

Yes ☒No ☐

Chain of custody agrees with sample labels?

Yes ☒No ☐

Samples in proper container/bottle?

Yes ☒No ☐

Sample containers intact?

Yes ☒No ☐

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):

4.0/3.5 C UC/C

IR 31

Cooler(s)/Kit(s):

Red

Date/Time sample(s) sent to storage:

11/19/2022 12:00

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
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)

ORDER #:

ORDER #:

LAB # (lab user only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers							Matrix											
								ICE	HNO ₃ 250 ppb I	HCl 3 40mL VOA	H ₂ SO ₄ 1 AMBER 500/250POLY	NaOH /Ascorbic Acid 250ML P	Na ₂ S ₂ O ₃	NONE	NONE 3 AMBER VOAA VIALS	DW-Drinking Water SL-Sludge	GW - Groundwater S-Soil/Solid	NP-Non-Potable Specify Other	TOC 415.1	RSK SOP-1/5	8270C PAH LL					
	2K16005-01			11/15/2022	12:10		4	X		X	X					W	X	X								
	2K16005-02			11/15/2022	13:15		4	X		X	X					W	X	X								
	2K16005-03			11/15/2022	14:05		4	X		X	X					W	X	X								
	2K16005-04			11/15/2022	14:55		7	X		X	X				X	W	X	X	X							
	2K16005-05			11/15/2022	15:50		7	X		X	X				X	W	X	X	X							
	2K16005-06			11/15/2022	16:45		7	X		X	X				X	W	X	X	X							

HS22111200

Permian Basin Environmental Lab, LP

2K16005



48 HOUR RUSH

STANDARD

HS22111200

Permian Basin Environmental Lab, LP
2K16005

SPECIAL INSTRUCTIONS:

Relinquished by:
Brent BarronDate
11/17/22Time
17:00

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?

Y N

VOCs Free of Headspace?

Y N

Labels on container(s)

Y N

Custody seals on container(s)

Y N

Custody seals on cooler(s)

Y N

Sample Hand Delivered

Y N

by Sampler/Client Rep.?

Y N

by Courier?

Y N

Temperature Upon Receipt

Y N

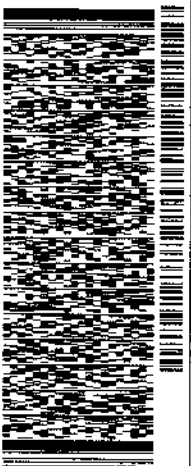
Received:

°C

Adjusted:

°C

Factor

ORIGIN DATA (432) 866-7235 BENT PARKER 1400 PARKIN HWY MIDLAND, TX 79701 UNITED STATES US		SHIP DATE: 17NOV22 ACT WT: 14.00 LB COD: 10715866NET4530 BILL RECIPIENT	
TO SAMPLE RECEIVING ALS-HOUSTON 10450 STANCLIFF RD HOUSTON TX 77099 TX (281) 508-5615 TX US			
TRK# 7705 2456 7787 0207		FRI - 18 NOV 4:30P STANDARD OVERNIGHT	
AB SCRA TX US 77099 IAH		 	
		681664R0722	

Recd 10/19/22
110

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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: 97-04
Project Number: TNM 97-04
Location: Lea County, NM
Lab Order Number: 2K14002



Current Certification

Report Date: 11/29/22

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

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

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Post-Metals	2K14002-01	Water	11/11/22 09:30	11-11-2022 16:35

New Mexico List of metals analysis 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

Post-Metals
2K14002-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Total Metals by EPA / Standard Methods

Silver	ND	0.00200	mg/L	1	P2K2901	11/21/22 10:00	11/29/22 07:40	EPA 6020A	SUB-13
Aluminum	0.0197	0.0100	mg/L	1	P2K2901	11/21/22 10:00	11/29/22 07:40	EPA 200.8	SUB-13
Arsenic	0.0156	0.00200	mg/L	1	P2K2901	11/21/22 10:00	11/29/22 07:40	EPA 6020A	SUB-13
Boron	0.0395	0.0200	mg/L	1	P2K2901	11/21/22 10:00	11/29/22 07:40	SW846-6020A	SUB-13
Barium	0.109	0.00400	mg/L	1	P2K2901	11/21/22 10:00	11/29/22 07:40	EPA 6020A	SUB-13
Cadmium	ND	0.00200	mg/L	1	P2K2901	11/21/22 10:00	11/29/22 07:40	EPA 6020A	SUB-13
Cobalt	ND	0.00400	mg/L	1	P2K2901	11/21/22 10:00	11/29/22 07:40	EPA 6020A	SUB-13
Chromium	ND	0.00500	mg/L	1	P2K2901	11/21/22 10:00	11/29/22 07:40	EPA 6020A	SUB-13
Copper	0.147	0.00200	mg/L	1	P2K2901	11/21/22 10:00	11/29/22 07:40	EPA 6020A	SUB-13
Iron	1.55	0.200	mg/L	1	P2K2901	11/21/22 10:00	11/29/22 07:40	EPA 6020A	SUB-13
Mercury	ND	0.000200	ug/l	1	P2K2901	11/17/22 08:00	11/29/22 07:40	EPA 7470A	SUB-13
Manganese	0.119	0.00500	mg/L	1	P2K2901	11/21/22 10:00	11/29/22 07:40	EPA 6020A	SUB-13
Molybdenum	ND	0.00500	mg/L	1	P2K2901	11/21/22 10:00	11/29/22 07:40	EPA 6020A	SUB-13
Nickel	0.0102	0.00200	mg/L	1	P2K2901	11/21/22 10:00	11/29/22 07:40	EPA 6020A	SUB-13
Lead	ND	0.00200	mg/L	1	P2K2901	11/21/22 10:00	11/29/22 07:40	EPA 6020A	SUB-13
Selenium	ND	0.00200	mg/L	1	P2K2901	11/21/22 10:00	11/29/22 07:40	EPA 6020A	SUB-13
Zinc	0.245	0.00400	mg/L	1	P2K2901	11/21/22 10:00	11/29/22 07:40	EPA 6020A	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	Project: 97-04
10 Desta Dr STE 150E	Project Number: TNM 97-04
Midland TX, 79705	Project Manager: Curt Stanley

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

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

Notes and Definitions

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

ROI Received on Ice

pH1 The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.

NPBEL C Chain of Custody was not generated at PBELAB

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: 11/29/2022

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.

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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

PBELLAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

L:

CH:

W:

Phone: 432-686-7235

Project Manager:

Curt Stanley

Company Name:

Tec Environmental Corporation

Company Address:

10 Delta Drive Suite 150 E

City/State/Zip:

Midland, Tx. 79705

Telephone No:

(432) 520-7720

Fax No:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature:

Frederica C. Lagurus

e-mail:

cdstanley@teccompanies.com

(lab use only)

ORDER #: 2K14002

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

TPH: TX 1005 TX 1006

Anions (Cl, SO₄, Alkalinity)

BTEX 8021B/503C or BTEX 8260

Total: Al, B, CO, Cu, Fe

Total: Ni, LA, PA, Pb, Cr

Total: Se, Ag, Zn

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

Standard TAT

Special Instructions: Bill to Plains

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 container(s)

Custody seals on container(s)

Custody seals on cooler(s)

Sample Hand Delivered

by Courier?

Temperature Upon Receipt:

Adjusted:

Page 1 of 1



CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 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:

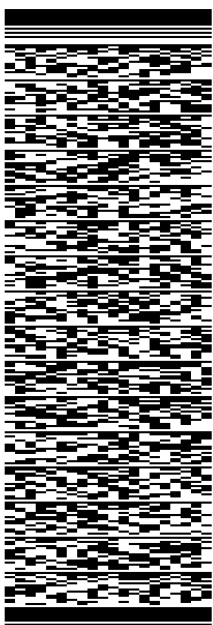
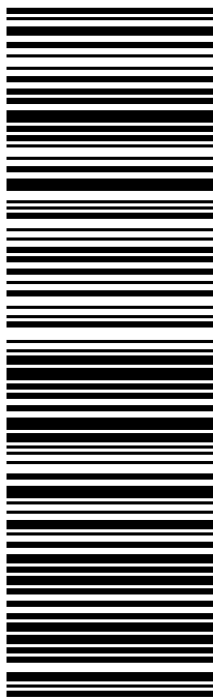
Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: N/A

e-mail: brentbarron@pbelab.com

[illegible]

SPECIAL INSTRUCTIONS:						Laboratory Comments:				
Relinquished by: Brent Barron	Date	Time	Received by:	Date	Time	Sample Containers Intact?	Y	N		
						VOCs Free of Headpace?	Y	N		
						Labels on container(s)	Y	N		
						Custody seals on container(s)	Y	N		
						Custody seals on cooler(s)	Y	N		
Relinquished by:	Date	Time	Received by:	Date	Time	Sample Hand Delivered	Y	N		
						by Sampler/Client Rep. ?	Y	N		
						by Courier? UPS DHL FedEx Lone Star				
Relinquished by:	Date	Time	Received by:	Date	Time	Temperature Upon Receipt:				
						Received: °C				
						Adjusted: °C Factor				

ORIGIN ID:MAEA BRENT BARRON PBE LAB 1400 RANKIN HWY MIDLAND, TX 79701 UNITED STATES US	(432) 686-7235 SHIP DATE: 14NOV22 ACTWGT: 10.00 LB CAD: 107136846/INET4530
BILL RECIPIENT	
TO SAMPLE RECEIVING ALS-HOUSTON 10450 STANCLIFF RD	
HOUSTON TX 77099	
REF: (281) 530-5615 INV: PO: DEPT:	
  J224222101801uv	
TRK# 7704 8624 2302 0201	TUE - 15 NOV 4:30P STANDARD OVERNIGHT
AB S GRA TX-US 77099 IAH	
	

581J6/E4B8/FE2D

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Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

November 23, 2022

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

Work Order: **HS22110863**

Laboratory Results for: **2K14002**

Dear Brent Barron,

ALS Environmental received 1 sample(s) on Nov 15, 2022 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

Anna Kinchen
Project Manager

ALS Houston, US

Date: 23-Nov-22

Client: Permian Basin Environmental Lab, LP
Project: 2K14002
Work Order: HS22110863

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS22110863-01	2K14002-01	Water		11-Nov-2022 09:30	15-Nov-2022 09:30	☐

ALS Houston, US

Date: 23-Nov-22

Client: Permian Basin Environmental Lab, LP
Project: 2K14002
Work Order: HS22110863

CASE NARRATIVE

Metals by Method SW6020A

Batch ID: 186440

Sample ID: HS22110892-01MS

- MS and MSD are for an unrelated sample (Barium)

Metals by Method SW7470A

Batch ID: 186323

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

ALS Houston, US

Date: 23-Nov-22

Client: Permian Basin Environmental Lab, LP
 Project: 2K14002
 Sample ID: 2K14002-01
 Collection Date: 11-Nov-2022 09:30

ANALYTICAL REPORT

WorkOrder:HS22110863
 Lab ID:HS22110863-01
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		Method:SW6020A		Prep:SW3010A / 21-Nov-2022		Analyst: JHD
Aluminum	0.0197		0.0100	mg/L	1	23-Nov-2022 13:44
Arsenic	0.0156		0.00200	mg/L	1	23-Nov-2022 13:44
Barium	0.109		0.00400	mg/L	1	23-Nov-2022 13:44
Boron	0.0395		0.0200	mg/L	1	23-Nov-2022 13:44
Cadmium	ND		0.00200	mg/L	1	23-Nov-2022 13:44
Chromium	ND		0.00400	mg/L	1	23-Nov-2022 13:44
Cobalt	ND		0.00500	mg/L	1	23-Nov-2022 13:44
Copper	0.147		0.00200	mg/L	1	23-Nov-2022 13:44
Iron	1.55		0.200	mg/L	1	23-Nov-2022 13:44
Lead	0.00241		0.00200	mg/L	1	23-Nov-2022 13:44
Manganese	0.119		0.00500	mg/L	1	23-Nov-2022 13:44
Molybdenum	ND		0.00500	mg/L	1	23-Nov-2022 13:44
Nickel	0.0102		0.00200	mg/L	1	23-Nov-2022 13:44
Selenium	ND		0.00200	mg/L	1	23-Nov-2022 13:44
Silver	ND		0.00200	mg/L	1	23-Nov-2022 13:44
Zinc	0.245		0.00400	mg/L	1	23-Nov-2022 13:44
MERCURY BY SW7470A		Method:SW7470A		Prep:SW7470A / 17-Nov-2022		Analyst: MSC
Mercury	ND		0.000200	mg/L	1	17-Nov-2022 15:06

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

ALS Houston, US

Date: 23-Nov-22

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP

Project: 2K14002

WorkOrder: HS22110863

Batch ID: 186323

Start Date: 17 Nov 2022 08:00

End Date: 17 Nov 2022 11:00

Method: MERCURY PREP BY 7470A- WATER

Prep Code: HG_WPR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS22110863-01		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2

Batch ID: 186440

Start Date: 21 Nov 2022 10:00

End Date: 21 Nov 2022 14:00

Method: WATER - SW3010A

Prep Code: 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS22110863-01		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2

ALS Houston, US

Date: 23-Nov-22

Client: Permian Basin Environmental Lab, LP
Project: 2K14002
WorkOrder: HS22110863

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 186323 (1)		Test Name : MERCURY BY SW7470A			Matrix: Water	
HS22110863-01	2K14002-01	11 Nov 2022 09:30		17 Nov 2022 08:00	17 Nov 2022 15:06	1
Batch ID: 186440 (0)		Test Name : ICP-MS METALS BY SW6020A			Matrix: Water	
HS22110863-01	2K14002-01	11 Nov 2022 09:30		21 Nov 2022 10:00	23 Nov 2022 13:44	1

ALS Houston, US

Date: 23-Nov-22

Client: Permian Basin Environmental Lab, LP
Project: 2K14002
WorkOrder: HS22110863

QC BATCH REPORT

Batch ID: 186323 (1)		Instrument: HG04		Method: MERCURY BY SW7470A						
MBLK	Sample ID: MBLK-186323	Units: mg/L		Analysis Date: 17-Nov-2022 13:58						
Client ID:	Run ID: HG04_422051		SeqNo: 6987303		PrepDate: 17-Nov-2022		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	RPD Qual
Mercury	ND	0.000200								
LCS	Sample ID: LCS-186323	Units: mg/L		Analysis Date: 17-Nov-2022 13:59						
Client ID:	Run ID: HG04_422051		SeqNo: 6987304		PrepDate: 17-Nov-2022		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	RPD Qual
Mercury	0.00506	0.000200	0.005	0	101	80 - 120				
MS	Sample ID: HS22110502-01MS	Units: mg/L		Analysis Date: 17-Nov-2022 14:03						
Client ID:	Run ID: HG04_422051		SeqNo: 6987306		PrepDate: 17-Nov-2022		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	RPD Qual
Mercury	0.00468	0.000200	0.005	-0.000003	93.7	75 - 125				
MSD	Sample ID: HS22110502-01MSD	Units: mg/L		Analysis Date: 17-Nov-2022 14:05						
Client ID:	Run ID: HG04_422051		SeqNo: 6987307		PrepDate: 17-Nov-2022		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	RPD Qual
Mercury	0.00467	0.000200	0.005	-0.000003	93.5	75 - 125	0.00468	0.214	20	
The following samples were analyzed in this batch: HS22110863-01										

ALS Houston, US

Date: 23-Nov-22

Client: Permian Basin Environmental Lab, LP
Project: 2K14002
WorkOrder: HS22110863

QC BATCH REPORT

Batch ID: 186440 (0)		Instrument: ICPMS07		Method: ICP-MS METALS BY SW6020A					
MBLK	Sample ID: MBLK-186440	Units: mg/L		Analysis Date: 22-Nov-2022 23:06					
Client ID:	Run ID: ICPMS07_422414	SeqNo: 6997405		PrepDate: 21-Nov-2022		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Aluminum	ND	0.0100							
Arsenic	ND	0.00200							
Barium	ND	0.00400							
Boron	ND	0.0200							
Cadmium	ND	0.00200							
Chromium	ND	0.00400							
Cobalt	ND	0.00500							
Copper	ND	0.00200							
Iron	ND	0.200							
Lead	ND	0.00200							
Manganese	ND	0.00500							
Molybdenum	ND	0.00500							
Nickel	ND	0.00200							
Selenium	ND	0.00200							
Silver	ND	0.00200							
Zinc	ND	0.00400							

ALS Houston, US

Date: 23-Nov-22

Client: Permian Basin Environmental Lab, LP
Project: 2K14002
WorkOrder: HS22110863

QC BATCH REPORT

Batch ID: 186440 (0)		Instrument: ICPMS07		Method: ICP-MS METALS BY SW6020A					
LCS		Sample ID: LCS-186440		Units: mg/L		Analysis Date: 22-Nov-2022 23:08			
Client ID:		Run ID: ICPMS07_422414		SeqNo: 6997406		PrepDate: 21-Nov-2022		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Aluminum	0.1133	0.0100	0.1	0	113	80 - 120			
Arsenic	0.05259	0.00200	0.05	0	105	80 - 120			
Barium	0.05182	0.00400	0.05	0	104	80 - 120			
Boron	0.5386	0.0200	0.5	0	108	80 - 120			
Cadmium	0.05289	0.00200	0.05	0	106	80 - 120			
Chromium	0.05201	0.00400	0.05	0	104	80 - 120			
Cobalt	0.05111	0.00500	0.05	0	102	80 - 120			
Copper	0.05274	0.00200	0.05	0	105	80 - 120			
Iron	5.22	0.200	5	0	104	80 - 120			
Lead	0.05101	0.00200	0.05	0	102	80 - 120			
Manganese	0.05233	0.00500	0.05	0	105	80 - 120			
Molybdenum	0.05167	0.00500	0.05	0	103	80 - 120			
Selenium	0.05437	0.00200	0.05	0	109	80 - 120			
Silver	0.05281	0.00200	0.05	0	106	80 - 120			
Zinc	0.05869	0.00400	0.05	0	117	80 - 120			
LCS		Sample ID: LCS-186440		Units: mg/L		Analysis Date: 23-Nov-2022 13:16			
Client ID:		Run ID: ICPMS07_422529		SeqNo: 6998592		PrepDate: 21-Nov-2022		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Nickel	0.05728	0.00200	0.05	0	115	80 - 120			

ALS Houston, US

Date: 23-Nov-22

Client: Permian Basin Environmental Lab, LP
Project: 2K14002
WorkOrder: HS22110863

QC BATCH REPORT

Batch ID: 186440 (0)		Instrument: ICPMS07		Method: ICP-MS METALS BY SW6020A					
MS		Sample ID: HS22110892-01MS		Units: mg/L		Analysis Date: 22-Nov-2022 23:13			
Client ID:		Run ID: ICPMS07_422414		SeqNo: 6997409		PrepDate: 21-Nov-2022		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Aluminum	0.2725	0.0100	0.1	0.1166	156	80 - 120			S
Arsenic	0.0602	0.00200	0.05	0.004982	110	80 - 120			
Barium	0.3019	0.00400	0.05	0.2367	131	80 - 120			SO
Boron	0.7384	0.0200	0.5	0.1714	113	80 - 120			
Cadmium	0.05349	0.00200	0.05	0.000261	106	80 - 120			
Chromium	0.05376	0.00400	0.05	0.000495	107	80 - 120			
Cobalt	0.05727	0.00500	0.05	0.00539	104	80 - 120			
Copper	0.05446	0.00200	0.05	0.001525	106	80 - 120			
Iron	5.543	0.200	5	0.1183	108	80 - 120			
Lead	0.05698	0.00200	0.05	0.001288	111	80 - 120			
Manganese	0.1976	0.00500	0.05	0.1435	108	80 - 120			
Molybdenum	0.0541	0.00500	0.05	0.000482	107	80 - 120			
Nickel	0.05627	0.00200	0.05	0.003586	105	80 - 120			
Selenium	0.05613	0.00200	0.05	0.001017	110	80 - 120			
Silver	0.05396	0.00200	0.05	0.000197	108	80 - 120			
Zinc	0.06698	0.00400	0.05	0.01246	109	80 - 120			

ALS Houston, US

Date: 23-Nov-22

Client: Permian Basin Environmental Lab, LP
Project: 2K14002
WorkOrder: HS22110863

QC BATCH REPORT

Batch ID: 186440 (0)		Instrument: ICPMS07		Method: ICP-MS METALS BY SW6020A						
MSD		Sample ID: HS22110892-01MSD		Units: mg/L		Analysis Date: 22-Nov-2022 23:15				
Client ID:		Run ID: ICPMS07_422414		SeqNo: 6997410		PrepDate: 21-Nov-2022		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.266	0.0100	0.1	0.1166	149	80 - 120	0.2725	2.42	20	S
Arsenic	0.05973	0.00200	0.05	0.004982	109	80 - 120	0.0602	0.787	20	
Barium	0.2954	0.00400	0.05	0.2367	118	80 - 120	0.3019	2.18	20	O
Boron	0.7511	0.0200	0.5	0.1714	116	80 - 120	0.7384	1.71	20	
Cadmium	0.05351	0.00200	0.05	0.000261	106	80 - 120	0.05349	0.0336	20	
Chromium	0.05338	0.00400	0.05	0.000495	106	80 - 120	0.05376	0.709	20	
Cobalt	0.05623	0.00500	0.05	0.00539	102	80 - 120	0.05727	1.83	20	
Copper	0.05432	0.00200	0.05	0.001525	106	80 - 120	0.05446	0.259	20	
Iron	5.44	0.200	5	0.1183	106	80 - 120	5.543	1.88	20	
Lead	0.05596	0.00200	0.05	0.001288	109	80 - 120	0.05698	1.81	20	
Manganese	0.1955	0.00500	0.05	0.1435	104	80 - 120	0.1976	1.04	20	
Molybdenum	0.05339	0.00500	0.05	0.000482	106	80 - 120	0.0541	1.32	20	
Nickel	0.05586	0.00200	0.05	0.003586	105	80 - 120	0.05627	0.726	20	
Selenium	0.05842	0.00200	0.05	0.001017	115	80 - 120	0.05613	3.99	20	
Silver	0.05278	0.00200	0.05	0.000197	105	80 - 120	0.05396	2.21	20	
Zinc	0.06541	0.00400	0.05	0.01246	106	80 - 120	0.06698	2.37	20	
MSD		Sample ID: HS22110892-01MSD		Units: mg/L		Analysis Date: 23-Nov-2022 13:40				
Client ID:		Run ID: ICPMS07_422529		SeqNo: 6998473		PrepDate: 21-Nov-2022		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Barium	0.3036	0.00400	0.05	0.2367	134	80 - 120	0.3019	0.54	20	SO

ALS Houston, US

Date: 23-Nov-22

Client: Permian Basin Environmental Lab, LP
Project: 2K14002
WorkOrder: HS22110863

QC BATCH REPORT

Batch ID: 186440 (0)		Instrument: ICPMS07		Method: ICP-MS METALS BY SW6020A					
PDS		Sample ID: HS22110892-01PDS		Units: mg/L		Analysis Date: 22-Nov-2022 23:17			
Client ID:		Run ID: ICPMS07_422414		SeqNo: 6997411		PrepDate: 21-Nov-2022		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Aluminum	0.3236	0.0100	0.2	0.1166	104	75 - 125			
Arsenic	0.1163	0.00200	0.1	0.004982	111	75 - 125			
Boron	0.7803	0.0200	0.5	0.1714	122	75 - 125			
Cadmium	0.1105	0.00200	0.1	0.000261	110	75 - 125			
Chromium	0.1081	0.00400	0.1	0.000495	108	75 - 125			
Cobalt	0.1094	0.00500	0.1	0.00539	104	75 - 125			
Copper	0.1089	0.00200	0.1	0.001525	107	75 - 125			
Iron	10.9	0.200	10	0.1183	108	75 - 125			
Lead	0.1228	0.00200	0.1	0.001288	121	75 - 125			
Manganese	0.2548	0.00500	0.1	0.1435	111	75 - 125			
Molybdenum	0.1102	0.00500	0.1	0	110	75 - 125			
Nickel	0.1105	0.00200	0.1	0.003586	107	75 - 125			
Selenium	0.1135	0.00200	0.1	0	113	75 - 125			
Silver	0.1067	0.00200	0.1	0	107	75 - 125			
Zinc	0.1213	0.00400	0.1	0.01246	109	75 - 125			
SD		Sample ID: HS22110892-01SD		Units: mg/L		Analysis Date: 23-Nov-2022 13:38			
Client ID:		Run ID: ICPMS07_422529		SeqNo: 6998472		PrepDate: 21-Nov-2022		DF: 5	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	RPD Limit Qual
Aluminum	0.1073	0.0500					0.1166	7.98	10

ALS Houston, US

Date: 23-Nov-22

Client: Permian Basin Environmental Lab, LP
Project: 2K14002
WorkOrder: HS22110863

QC BATCH REPORT

Batch ID: 186440 (0)		Instrument: ICPMS07		Method: ICP-MS METALS BY SW6020A						
SD	Sample ID: HS22110892-01SD	Units: mg/L		Analysis Date: 22-Nov-2022 23:11						
Client ID:	Run ID: ICPMS07_422414	SeqNo: 6997408		PrepDate: 21-Nov-2022		DF: 5				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	0.004253	0.0100					0.004982	0	10	J
Barium	0.2368	0.0200					0.2367	0.0765	10	
Cadmium	ND	0.0100					0.000261	0	10	
Chromium	ND	0.0200					0.000495	0	10	
Cobalt	0.005629	0.0250					0.00539	0	10	J
Copper	ND	0.0100					0.001525	0	10	
Iron	0.09576	1.00					0.1183	0	10	J
Lead	ND	0.0100					0.001288	0	10	
Manganese	0.1436	0.0250					0.1435	0.13	10	
Molybdenum	ND	0.0250					0.000482	0	10	
Nickel	0.004707	0.0100					0.003586	0	10	J
Selenium	ND	0.0100					0.001017	0	10	
Silver	ND	0.0100					0.000197	0	10	
Zinc	0.01526	0.0200					0.01246	0	10	J

The following samples were analyzed in this batch: HS22110863-01

ALS Houston, US

Date: 23-Nov-22

Client: Permian Basin Environmental Lab, LP
Project: 2K14002
WorkOrder: HS22110863

**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

ALS Houston, US

Date: 23-Nov-22

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	22-041-0	27-Mar-2023
California	2919 2022-2023	30-Apr-2023
Dept of Defense	L21-682	31-Dec-2023
Florida	E87611-36	30-Jun-2023
Illinois	2000322022-9	09-May-2023
Kansas	E-10352; 2022-2023	31-Jul-2023
Kentucky	123043, 2022-2023	30-Apr-2023
Louisiana	03087, 2022-2023	30-Jun-2023
Maryland	343, 2022-2023	30-Jun-2023
North Carolina	624-2022	31-Dec-2022
North Dakota	R-193 2022-2023	30-Apr-2023
Oklahoma	2022-141	31-Aug-2023
Texas	T104704231-22-29	30-Apr-2023
Utah	TX026932022-13	31-Jul-2023

ALS Houston, US

Date: 23-Nov-22

Sample Receipt Checklist

Work Order ID: HS22110863

Date/Time Received: 15-Nov-2022 09:30

Client Name: Permian Basin Lab

Received by: Malcolm Burleson

Completed By: <u>/S/ Corey Grandits</u>	15-Nov-2022 10:27	Reviewed by: <u>/S/ Anna Kinchen</u>	16-Nov-2022 09:03
eSignature	Date/Time	eSignature	Date/Time

Matrices: SCarrier name: FedEx

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 ☒
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Samplers name present on COC?	Yes ☐	No ☒	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
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):

2.3UC/1.8C IR31

Cooler(s)/Kit(s):

Sm Red

Date/Time sample(s) sent to storage:

11/15/2022

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 Environ
1400 Rankin HWY
Midland, Texas 79701

HS22110863

Permian Basin Environmental Lab, LP
2K14002



PO#

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:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: N/A

e-mail: brentbarron@pbelab.com

[illegible]

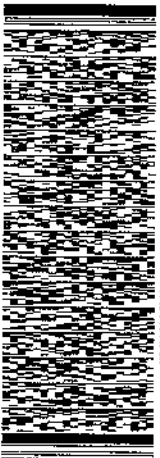
ORIGIN ID:MMFA (432) 686-7235
BRENT BARRON
PBE LAB
1400 RAINBOW HWY
MIDLAND, TX 79701
UNITED STATES US

SHIP DATE: 14NOV22
ACT WGT: 10.00 LB
CND: 107138646NET 4530

TO SAMPLE RECEIVING
AL-S-HOUSTON
10450 STANCLIFF RD
HOUSTON TX 77099
INV: 530-6615 REF:
PO DEPT:

BILL RECIPIENT

58156406FE20



TRK# 7704 8624 2302
[0201]

TUE - 15 NOV 4:30P
STANDARD OVERNIGHT

AB S GRA
TX-US IAH
77099



After printing this label:

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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: 97-04
Project Number: TNM 97-04
Location: Lea County, NM
Lab Order Number: 2K14003



Current Certification

Report Date: 11/29/22

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

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

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PAH	2K14003-01	Water	11/11/22 09:30	11-11-2022 16:35

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:

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

PAH
2K14003-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

PAH compounds by Semivolatile GCMS

1-Methylnaphthalene	ND	0.00010	mg/L	1	P2K2810	11/15/22 14:00	11/18/22 21:51	8270C	SUB-13
2-Methylnaphthalene	ND	0.00010	mg/L	1	P2K2810	11/15/22 14:00	11/18/22 21:51	8270C	SUB-13
Acenaphthene	ND	0.00010	mg/L	1	P2K2810	11/15/22 14:00	11/18/22 21:51	8270C	SUB-13
Acenaphthylene	ND	0.00010	mg/L	1	P2K2810	11/15/22 14:00	11/18/22 21:51	8270C	SUB-13
Anthracene	ND	0.00010	mg/L	1	P2K2810	11/15/22 14:00	11/18/22 21:51	8270C	SUB-13
Benzo (a) anthracene	ND	0.00010	mg/L	1	P2K2810	11/15/22 14:00	11/18/22 21:51	8270C	SUB-13
Benzo (a) pyrene	ND	0.00010	mg/L	1	P2K2810	11/15/22 14:00	11/18/22 21:51	8270C	SUB-13
Benzo (b) fluoranthene	ND	0.00010	mg/L	1	P2K2810	11/15/22 14:00	11/18/22 21:51	8270C	SUB-13
Benzo (g,h,i) perylene	ND	0.00010	mg/L	1	P2K2810	11/15/22 14:00	11/18/22 21:51	8270C	SUB-13
Benzo (k) fluoranthene	ND	0.00010	mg/L	1	P2K2810	11/15/22 14:00	11/18/22 21:51	8270C	SUB-13
Chrysene	ND	0.00010	mg/L	1	P2K2810	11/15/22 14:00	11/18/22 21:51	8270C	SUB-13
Dibenzo (a,h) anthracene	ND	0.00010	mg/L	1	P2K2810	11/15/22 14:00	11/18/22 21:51	8270C	SUB-13
Fluoranthene	ND	0.00010	mg/L	1	P2K2810	11/15/22 14:00	11/18/22 21:51	8270C	SUB-13
Fluorene	ND	0.00010	mg/L	1	P2K2810	11/15/22 14:00	11/18/22 21:51	8270C	SUB-13
Indeno (1,2,3-cd) pyrene	ND	0.00010	mg/L	1	P2K2810	11/15/22 14:00	11/18/22 21:51	8270C	SUB-13
Naphthalene	0.00049	0.00010	mg/L	1	P2K2810	11/15/22 14:00	11/18/22 21:51	8270C	SUB-13
Phenanthrene	ND	0.00010	mg/L	1	P2K2810	11/15/22 14:00	11/18/22 21:51	8270C	SUB-13
Pyrene	ND	0.00010	mg/L	1	P2K2810	11/15/22 14:00	11/18/22 21:51	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	Project: 97-04
10 Desta Dr STE 150E	Project Number: TNM 97-04
Midland TX, 79705	Project Manager: Curt Stanley

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

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

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

Notes and Definitions

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

ROI Received on Ice

pH1 The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.

NPBEL C Chain of Custody was not generated at PBELAB

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:

11/29/2022

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, 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

PBMLAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

L: _____ CH: _____ W: _____
 Permian Basin Environmental Lab, LP
 1400 Rankin HWY
 Midland, Texas 79701

Project Manager: Curt StanleyCompany Name: Tre Environmental CorporationCompany Address: 10 Delta Drive STE # 150ECity/State/Zip: Midland, Tx. 79705Telephone No: (432) 520-7720

Fax No: _____

Sampler Signature: Fernando C. Aguirree-mail: cstanley@trecompairs.com

(lab use only)

ORDER #: 2K14003

LAB # (lab use only)

FIELD CODE

PAH

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

Polynuclear Aromatic

Hydrocarbon

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

Standard TAT

Preservation & # of Containers

Matrix

TCLP:

TOTAL:

Analyze For:

Report Format: ☐ Standard ☐ TRRP ☐ NPDES

PO #:

Project Name: TNT: 97-04Project #: TNT: 97-04Project Loc: Lea County, NM

Special Instructions:

Bill to Plains

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 container(s)

Custody seals on container(s)

Custody seals on cooler(s)

Sample Hand Delivered

by Courier?

UPS

DHL

FedEx

Temperature Upon Receipt:

Adjusted:

°C

Factor:

Thermometer:

Lone Star

Page 6 of 22



CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 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

[illegible]

SPECIAL INSTRUCTIONS:						Laboratory Comments:				
Relinquished by: Brent Barron	Date	Time	Received by:	Date	Time	Sample Containers Intact?	Y	N		
						VOCs Free of Headpace?	Y	N		
						Labels on container(s)	Y	N		
						Custody seals on container(s)	Y	N		
						Custody seals on cooler(s)	Y	N		
Relinquished by:	Date	Time	Received by:	Date	Time	Sample Hand Delivered	Y	N		
						by Sampler/Client Rep. ?	Y	N		
						by Courier? UPS DHL FedEx Lone Star				
Relinquished by:	Date	Time	Received by:	Date	Time	Temperature Upon Receipt:				
						Received: °C				
						Adjusted: °C Factor				



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

November 21, 2022

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

Work Order: **HS22110865**

Laboratory Results for: **2K14003**

Dear Brent Barron,

ALS Environmental received 1 sample(s) on Nov 15, 2022 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

Anna Kinchen
Project Manager

ALS Houston, US

Date: 21-Nov-22

Client: Permian Basin Environmental Lab, LP
Project: 2K14003
Work Order: HS22110865

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS22110865-01	2K14003-01	Water		11-Nov-2022 09:30	15-Nov-2022 09:30	☐

ALS Houston, US

Date: 21-Nov-22

Client: Permian Basin Environmental Lab, LP
Project: 2K14003
Work Order: HS22110865

CASE NARRATIVE

GCMS Semivolatiles by Method SW8270

Batch ID: 186227

Sample ID: 2K14003-01 (HS22110865-01)

- One or more surrogate recoveries were above the upper control limits. No target analytes were detected in the sample. The high surrogate recoveries did not impact the non-detect results for target analytes.

ALS Houston, US

Date: 21-Nov-22

Client: Permian Basin Environmental Lab, LP
 Project: 2K14003
 Sample ID: 2K14003-01
 Collection Date: 11-Nov-2022 09:30

ANALYTICAL REPORT

WorkOrder:HS22110865
 Lab ID:HS22110865-01
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL PAHS - 8270D		Method:SW8270		Prep:SW3511 / 15-Nov-2022		Analyst: MBG
1-Methylnaphthalene	ND	n	0.102	ug/L	1	18-Nov-2022 21:51
2-Methylnaphthalene	ND		0.102	ug/L	1	18-Nov-2022 21:51
Acenaphthene	ND		0.102	ug/L	1	18-Nov-2022 21:51
Acenaphthylene	ND		0.102	ug/L	1	18-Nov-2022 21:51
Anthracene	ND		0.102	ug/L	1	18-Nov-2022 21:51
Benz(a)anthracene	ND		0.102	ug/L	1	18-Nov-2022 21:51
Benzo(a)pyrene	ND		0.102	ug/L	1	18-Nov-2022 21:51
Benzo(b)fluoranthene	ND		0.102	ug/L	1	18-Nov-2022 21:51
Benzo(g,h,i)perylene	ND		0.102	ug/L	1	18-Nov-2022 21:51
Benzo(k)fluoranthene	ND		0.102	ug/L	1	18-Nov-2022 21:51
Chrysene	ND		0.102	ug/L	1	18-Nov-2022 21:51
Dibenz(a,h)anthracene	ND		0.102	ug/L	1	18-Nov-2022 21:51
Fluoranthene	ND		0.102	ug/L	1	18-Nov-2022 21:51
Fluorene	ND		0.102	ug/L	1	18-Nov-2022 21:51
Indeno(1,2,3-cd)pyrene	ND		0.102	ug/L	1	18-Nov-2022 21:51
Naphthalene	0.491		0.102	ug/L	1	18-Nov-2022 21:51
Phenanthrene	ND		0.102	ug/L	1	18-Nov-2022 21:51
Pyrene	ND		0.102	ug/L	1	18-Nov-2022 21:51
Surr: 2-Fluorobiphenyl	140	S	32-130	%REC	1	18-Nov-2022 21:51
Surr: 4-Terphenyl-d14	124		40-135	%REC	1	18-Nov-2022 21:51
Surr: Nitrobenzene-d5	134		45-142	%REC	1	18-Nov-2022 21:51

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

ALS Houston, US

Date: 21-Nov-22

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: 2K14003
WorkOrder: HS22110865

Batch ID: 186227	Start Date: 15 Nov 2022 14:00	End Date: 15 Nov 2022 16:00
Method: SW3511	Prep Code: 3511_PAH	

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS22110865-01		32.41 (mL)	2 (mL)	0.06171	40 mL Amber

ALS Houston, US

Date: 21-Nov-22

Client: Permian Basin Environmental Lab, LP
Project: 2K14003
WorkOrder: HS22110865

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 186227 (0)		Test Name : LOW-LEVEL PAHS - 8270D			Matrix: Water	
HS22110865-01	2K14003-01	11 Nov 2022 09:30		15 Nov 2022 14:00	18 Nov 2022 21:51	1

ALS Houston, US

Date: 21-Nov-22

Client: Permian Basin Environmental Lab, LP
Project: 2K14003
WorkOrder: HS22110865

QC BATCH REPORT

Batch ID: 186227 (0)		Instrument: SV-6		Method: LOW-LEVEL PAHS - 8270D						
MBLK	Sample ID: MBLK-186227	Units: ug/L		Analysis Date: 21-Nov-2022 10:38						
Client ID:	Run ID: SV-6_422315		SeqNo: 6993207		PrepDate: 15-Nov-2022		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								
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	3.242	0.100	3.03	0	107	32 - 130				
Surr: 4-Terphenyl-d14	3.836	0.100	3.03	0	127	40 - 135				
Surr: Nitrobenzene-d5	3.438	0.100	3.03	0	113	45 - 142				

ALS Houston, US

Date: 21-Nov-22

Client: Permian Basin Environmental Lab, LP
Project: 2K14003
WorkOrder: HS22110865

QC BATCH REPORT

Batch ID: 186227 (0)		Instrument: SV-6		Method: LOW-LEVEL PAHS - 8270D					
LCS		Sample ID: LCS-186227		Units: ug/L		Analysis Date: 21-Nov-2022 11:03			
Client ID:		Run ID: SV-6_422315		SeqNo: 6993208		PrepDate: 15-Nov-2022		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
1-Methylnaphthalene	4	0.100	3.03	0	132	40 - 140			
2-Methylnaphthalene	3.486	0.100	3.03	0	115	40 - 140			
Acenaphthene	2.373	0.100	3.03	0	78.3	40 - 140			
Acenaphthylene	2.638	0.100	3.03	0	87.1	40 - 140			
Anthracene	4.234	0.100	3.03	0	140	40 - 140			
Benz(a)anthracene	3.988	0.100	3.03	0	132	40 - 140			
Benzo(a)pyrene	2.645	0.100	3.03	0	87.3	40 - 140			
Benzo(b)fluoranthene	2.752	0.100	3.03	0	90.8	40 - 140			
Benzo(g,h,i)perylene	3.124	0.100	3.03	0	103	40 - 140			
Benzo(k)fluoranthene	3.236	0.100	3.03	0	107	40 - 140			
Chrysene	3.029	0.100	3.03	0	100.0	40 - 140			
Dibenz(a,h)anthracene	3.964	0.100	3.03	0	131	40 - 140			
Fluoranthene	3.168	0.100	3.03	0	105	40 - 140			
Fluorene	2.39	0.100	3.03	0	78.9	40 - 140			
Indeno(1,2,3-cd)pyrene	3.915	0.100	3.03	0	129	40 - 140			
Naphthalene	3.892	0.100	3.03	0	128	40 - 140			
Phenanthrene	2.141	0.100	3.03	0	70.6	40 - 140			
Pyrene	2.309	0.100	3.03	0	76.2	40 - 140			
Surr: 2-Fluorobiphenyl	2.58	0.100	3.03	0	85.1	32 - 130			
Surr: 4-Terphenyl-d14	2.825	0.100	3.03	0	93.2	40 - 135			
Surr: Nitrobenzene-d5	3.141	0.100	3.03	0	104	45 - 142			

ALS Houston, US

Date: 21-Nov-22

Client: Permian Basin Environmental Lab, LP
Project: 2K14003
WorkOrder: HS22110865

QC BATCH REPORT

Batch ID: 186227 (0)		Instrument: SV-6		Method: LOW-LEVEL PAHS - 8270D						
LCSD		Sample ID: LCSD-186227		Units: ug/L		Analysis Date: 21-Nov-2022 11:27				
Client ID:		Run ID: SV-6_422315		SeqNo: 6993209		PrepDate: 15-Nov-2022		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	3.909	0.100	3.03	0	129	40 - 140	4	2.3	25	
2-Methylnaphthalene	3.283	0.100	3.03	0	108	40 - 140	3.486	6.02	25	
Acenaphthene	2.588	0.100	3.03	0	85.4	40 - 140	2.373	8.68	25	
Acenaphthylene	2.839	0.100	3.03	0	93.7	40 - 140	2.638	7.35	25	
Anthracene	3.624	0.100	3.03	0	120	40 - 140	4.234	15.5	25	
Benz(a)anthracene	3.976	0.100	3.03	0	131	40 - 140	3.988	0.304	25	
Benzo(a)pyrene	2.785	0.100	3.03	0	91.9	40 - 140	2.645	5.18	25	
Benzo(b)fluoranthene	2.921	0.100	3.03	0	96.4	40 - 140	2.752	5.94	25	
Benzo(g,h,i)perylene	3.288	0.100	3.03	0	109	40 - 140	3.124	5.11	25	
Benzo(k)fluoranthene	3.497	0.100	3.03	0	115	40 - 140	3.236	7.77	25	
Chrysene	3.518	0.100	3.03	0	116	40 - 140	3.029	14.9	25	
Dibenz(a,h)anthracene	3.982	0.100	3.03	0	131	40 - 140	3.964	0.458	25	
Fluoranthene	3.298	0.100	3.03	0	109	40 - 140	3.168	4.03	25	
Fluorene	2.941	0.100	3.03	0	97.1	40 - 140	2.39	20.7	25	
Indeno(1,2,3-cd)pyrene	3.97	0.100	3.03	0	131	40 - 140	3.915	1.38	25	
Naphthalene	3.933	0.100	3.03	0	130	40 - 140	3.892	1.05	25	
Phenanthrene	2.147	0.100	3.03	0	70.9	40 - 140	2.141	0.311	25	
Pyrene	2.85	0.100	3.03	0	94.1	40 - 140	2.309	21	25	
Surr: 2-Fluorobiphenyl	2.908	0.100	3.03	0	96.0	32 - 130	2.58	12	25	
Surr: 4-Terphenyl-d14	3.611	0.100	3.03	0	119	40 - 135	2.825	24.4	25	
Surr: Nitrobenzene-d5	2.993	0.100	3.03	0	98.8	45 - 142	3.141	4.84	25	
The following samples were analyzed in this batch: HS22110865-01										

ALS Houston, US

Date: 21-Nov-22

Client: Permian Basin Environmental Lab, LP
Project: 2K14003
WorkOrder: HS22110865

**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

ALS Houston, US

Date: 21-Nov-22

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	22-041-0	27-Mar-2023
California	2919 2022-2023	30-Apr-2023
Dept of Defense	L21-682	31-Dec-2023
Florida	E87611-36	30-Jun-2023
Illinois	2000322022-9	09-May-2023
Kansas	E-10352; 2022-2023	31-Jul-2023
Kentucky	123043, 2022-2023	30-Apr-2023
Louisiana	03087, 2022-2023	30-Jun-2023
Maryland	343, 2022-2023	30-Jun-2023
North Carolina	624-2022	31-Dec-2022
North Dakota	R-193 2022-2023	30-Apr-2023
Oklahoma	2022-141	31-Aug-2023
Texas	T104704231-22-29	30-Apr-2023
Utah	TX026932022-13	31-Jul-2023

ALS Houston, US

Date: 21-Nov-22

Sample Receipt Checklist

Work Order ID: HS22110865

Date/Time Received: 15-Nov-2022 09:30

Client Name: Permian Basin Lab

Received by: Malcolm Burleson

Completed By: <u>/S/ Corey Grandits</u>	15-Nov-2022 10:46	Reviewed by: <u>/S/ Anna Kinchen</u>	16-Nov-2022 09:06
eSignature	Date/Time	eSignature	Date/Time

Matrices: WCarrier name: FedEx

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 ☒
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Samplers name present on COC?	Yes ☐	No ☒	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
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):	2.3UC/1.8C IR31		
Cooler(s)/Kit(s):	Sm Red		
Date/Time sample(s) sent to storage:	11/15/2022		
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
1400 Rankin HWY
Midland, Texas 79701

HS22110865

Permian Basin Environmental Lab, LP
2K14003



PO #:

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:

Report Format: X Standard

☐ TRRP☐ NPDES

Sampler Signature: N/A

e-mail: brentbarron@pbelab.com

[illegible]

ORIGIN ID:MAFA (432) 866-7235
BRENT BARON
PBE LAB
1400 RANKIN HWY
MIDLAND, TX 79701
UNITED STATES US

SHIP DATE: 14NOV22
ACTWGT: 10.00 LB
CAG: 107138646NET4530

BILL RECIPIENT

TO
SAMPLE RECEIVING
ALS-HOUSTON
10450 STANCLIFF RD
HOUSTON TX 77099
REF: (281) 500-5615
PO: 1001

SEPT 14 2022

53136C4B0F22D

TRK# 7704 8624 2302
0201

TUE - 15 NOV 4:30P
STANDARD OVERNIGHT

AB SGRA
TX-US IAH
77099





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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: 97-04
Project Number: TNM 97-04
Location: Lea County, NM
Lab Order Number: 2K14004



Current Certification

Report Date: 11/29/22

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

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

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Post-Carbon	2K14004-01	Water	11/11/22 09:30	11-11-2022 16:35

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

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

Post-Carbon
2K14004-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 18:43	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 18:43	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 18:43	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 18:43	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2K2107	11/21/22 15:43	11/21/22 18:43	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	94.9 %		80-120		P2K2107	11/21/22 15:43	11/21/22 18:43	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	95.8 %		80-120		P2K2107	11/21/22 15:43	11/21/22 18:43	EPA 8021B	

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

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

Batch P2K2107 - * DEFAULT PREP *****

Blank (P2K2107-BLK1)

Prepared & Analyzed: 11/21/22

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	0.0988		"	0.120		82.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.7	80-120			

LCS (P2K2107-BS1)

Prepared & Analyzed: 11/21/22

Benzene	0.0961	0.00100	mg/L	0.100		96.1	80-120			
Toluene	0.0942	0.00100	"	0.100		94.2	80-120			
Ethylbenzene	0.102	0.00100	"	0.100		102	80-120			
Xylene (p/m)	0.196	0.00200	"	0.200		97.8	80-120			
Xylene (o)	0.0844	0.00100	"	0.100		84.4	80-120			
Surrogate: 4-Bromofluorobenzene	0.112		"	0.120		93.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			

LCS Dup (P2K2107-BSD1)

Prepared & Analyzed: 11/21/22

Benzene	0.0966	0.00100	mg/L	0.100		96.6	80-120	0.508	20	
Toluene	0.0924	0.00100	"	0.100		92.4	80-120	1.93	20	
Ethylbenzene	0.100	0.00100	"	0.100		100	80-120	1.68	20	
Xylene (p/m)	0.191	0.00200	"	0.200		95.6	80-120	2.31	20	
Xylene (o)	0.0818	0.00100	"	0.100		81.8	80-120	3.24	20	
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120		87.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			

Calibration Blank (P2K2107-CCB1)

Prepared & Analyzed: 11/21/22

Benzene	0.160		ug/l							
Toluene	0.490		"							
Ethylbenzene	0.280		"							
Xylene (p/m)	0.710		"							
Xylene (o)	0.380		"							
Surrogate: 4-Bromofluorobenzene	0.106		"	0.120		88.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.113		"	0.120		94.0	80-120			

Permian Basin Environmental Lab, L.P.

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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

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

Batch P2K2107 - * DEFAULT PREP *****

Calibration Blank (P2K2107-CCB2)

Prepared & Analyzed: 11/21/22

Benzene	0.0900		ug/l							
Toluene	0.300		"							
Ethylbenzene	0.430		"							
Xylene (p/m)	1.14		"							
Xylene (o)	0.610		"							
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120		90.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		96.2	80-120			

Calibration Check (P2K2107-CCV1)

Prepared & Analyzed: 11/21/22

Benzene	0.108	0.00100	mg/L	0.100		108	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)	0.208	0.00200	"	0.200		104	80-120			
Xylene (o)	0.0903	0.00100	"	0.100		90.3	80-120			
Surrogate: 4-Bromofluorobenzene	0.112		"	0.120		93.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.124		"	0.120		103	80-120			

Calibration Check (P2K2107-CCV2)

Prepared & Analyzed: 11/21/22

Benzene	0.111	0.00100	mg/L	0.100		111	80-120			
Toluene	0.113	0.00100	"	0.100		113	80-120			
Ethylbenzene	0.113	0.00100	"	0.100		113	80-120			
Xylene (p/m)	0.232	0.00200	"	0.200		116	80-120			
Xylene (o)	0.100	0.00100	"	0.100		100	80-120			
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		102	80-120			

Calibration Check (P2K2107-CCV3)

Prepared: 11/21/22 Analyzed: 11/22/22

Benzene	0.109	0.00100	mg/L	0.100		109	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.101	0.00100	"	0.100		101	80-120			
Xylene (p/m)	0.207	0.00200	"	0.200		103	80-120			
Xylene (o)	0.0909	0.00100	"	0.100		90.9	80-120			
Surrogate: 4-Bromofluorobenzene	0.111		"	0.120		92.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		101	80-120			

Permian Basin Environmental Lab, L.P.

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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

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

Batch P2K2107 - * DEFAULT PREP *****

Matrix Spike (P2K2107-MS1)

Source: 2K16005-01

Prepared: 11/21/22 Analyzed: 11/22/22

Benzene	0.103	0.00100	mg/L	0.100	ND	103	80-120			
Toluene	0.0992	0.00100	"	0.100	ND	99.2	80-120			
Ethylbenzene	0.107	0.00100	"	0.100	0.000970	106	80-120			
Xylene (p/m)	0.205	0.00200	"	0.200	0.00258	101	80-120			
Xylene (o)	0.0877	0.00100	"	0.100	0.000840	86.8	80-120			
Surrogate: 4-Bromofluorobenzene	0.110		"	0.120		91.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			

Matrix Spike Dup (P2K2107-MSD1)

Source: 2K16005-01

Prepared: 11/21/22 Analyzed: 11/22/22

Benzene	0.100	0.00100	mg/L	0.100	ND	100	80-120	3.34	20	
Toluene	0.0963	0.00100	"	0.100	ND	96.3	80-120	3.04	20	
Ethylbenzene	0.105	0.00100	"	0.100	0.000970	104	80-120	2.63	20	
Xylene (p/m)	0.199	0.00200	"	0.200	0.00258	98.3	80-120	3.01	20	
Xylene (o)	0.0856	0.00100	"	0.100	0.000840	84.8	80-120	2.34	20	
Surrogate: 4-Bromofluorobenzene	0.112		"	0.120		93.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.125		"	0.120		104	80-120			

Permian Basin Environmental Lab, L.P.

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Released to Imaging: 5/16/2023 3:31:03 PM

Page 6 of 8

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

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

Notes and Definitions

ROI Received on Ice

pH1 The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.

NPBEL C Chain of Custody was not generated at PBELAB

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: 11/29/2022

Brent Barron, Laboratory Director/Technical Director

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Permian Basin Environmental Lab, L.P.

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

PERM LAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

L: MM CH: MM W: MM
 Permian Basin Environmental Lab, LP
 1400 Rankin HWY
 Midland, Texas 79701

Project Name: TNM: 97-04Project #: TNM: 97-04Project Loc: Lea County, NM

PO #:

Project Manager: Curt StaleyCompany Name: Tre Environmental CorporationCompany Address: 10 Dosta Drive Suite 150ECity/State/Zip: Midland, Tx. 79705Telephone No: (432) 520-7720

Fax No:

Report Format: ☒ Standard ☐ TRRP ☐ NPDESSampler Signature: Juanita C. Ciguine e-mail: cstaley@trecompanies.com

(lab use only)

ORDER #: 2K14004

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

TPH: TX 1005 TX 1006

Anions (Cl, SO₄, Alkalinity)

BTEX 8021B/6030 or BTEX 8260

Preservation & # of Containers

Matrix

TCLP:

TOTAL:

Analyze For:

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

Standard TAT

Special Instructions:

Bill to Plains

Relinquished by:

Juanita C. Ciguine

Date

11.11.22

Time

16:35

Received by:

PLM

Date

11/11/22

Time

16:35

Received by:

PLM

Date

11/11/22

Time

16:35

Received by:

PLM

Relinquished by:

Juanita C. Ciguine

Date

11.11.22

Time

16:35

Received by:

PLM

Date

11/11/22

Time

16:35

Received by:

PLM

Date

11/11/22

Time

16:35

Received by:

PLM

Relinquished by:

Juanita C. Ciguine

Date

11.11.22

Time

16:35

Received by:

PLM

Date

11/11/22

Time

16:35

Received by:

PLM

Date

11/11/22

Time

16:35

Received by:

PLM

PBEL_COC_2021_1

Revision #: 2021_1

Effective Date: 4-21-21

Page 1 of 1

**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: 2K14005



Current Certification

Report Date: 11/29/22

TRC Solutions- Midland, Texas	Project: 97-04
10 Desta Dr STE 150E	Project Number: TNM 97-04
Midland TX, 79705	Project Manager: Curt Stanley

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Pre-Carbon	2K14005-01	Water	11/11/22 09:15	11-11-2022 16:35

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

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

Pre-Carbon
2K14005-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	0.425	0.00500	mg/L	5	P2K2107	11/21/22 15:43	11/22/22 12:03	EPA 8021B	
Toluene	0.0369	0.00500	mg/L	5	P2K2107	11/21/22 15:43	11/22/22 12:03	EPA 8021B	
Ethylbenzene	0.136	0.00500	mg/L	5	P2K2107	11/21/22 15:43	11/22/22 12:03	EPA 8021B	
Xylene (p/m)	0.314	0.0100	mg/L	5	P2K2107	11/21/22 15:43	11/22/22 12:03	EPA 8021B	
Xylene (o)	0.0744	0.00500	mg/L	5	P2K2107	11/21/22 15:43	11/22/22 12:03	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	89.3 %		80-120		P2K2107	11/21/22 15:43	11/22/22 12:03	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	93.3 %		80-120		P2K2107	11/21/22 15:43	11/22/22 12:03	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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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

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

Batch P2K2107 - * DEFAULT PREP *****

Blank (P2K2107-BLK1)

Prepared & Analyzed: 11/21/22

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	0.0988		"	0.120		82.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.7	80-120			

LCS (P2K2107-BS1)

Prepared & Analyzed: 11/21/22

Benzene	0.0961	0.00100	mg/L	0.100		96.1	80-120			
Toluene	0.0942	0.00100	"	0.100		94.2	80-120			
Ethylbenzene	0.102	0.00100	"	0.100		102	80-120			
Xylene (p/m)	0.196	0.00200	"	0.200		97.8	80-120			
Xylene (o)	0.0844	0.00100	"	0.100		84.4	80-120			
Surrogate: 4-Bromofluorobenzene	0.112		"	0.120		93.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			

LCS Dup (P2K2107-BSD1)

Prepared & Analyzed: 11/21/22

Benzene	0.0966	0.00100	mg/L	0.100		96.6	80-120	0.508	20	
Toluene	0.0924	0.00100	"	0.100		92.4	80-120	1.93	20	
Ethylbenzene	0.100	0.00100	"	0.100		100	80-120	1.68	20	
Xylene (p/m)	0.191	0.00200	"	0.200		95.6	80-120	2.31	20	
Xylene (o)	0.0818	0.00100	"	0.100		81.8	80-120	3.24	20	
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120		87.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			

Calibration Blank (P2K2107-CCB1)

Prepared & Analyzed: 11/21/22

Benzene	0.160		ug/l							
Toluene	0.490		"							
Ethylbenzene	0.280		"							
Xylene (p/m)	0.710		"							
Xylene (o)	0.380		"							
Surrogate: 4-Bromofluorobenzene	0.106		"	0.120		88.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.113		"	0.120		94.0	80-120			

Permian Basin Environmental Lab, L.P.

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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

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

Batch P2K2107 - * DEFAULT PREP *****

Calibration Blank (P2K2107-CCB2)

Prepared & Analyzed: 11/21/22

Benzene	0.0900		ug/l							
Toluene	0.300		"							
Ethylbenzene	0.430		"							
Xylene (p/m)	1.14		"							
Xylene (o)	0.610		"							
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120		90.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		96.2	80-120			

Calibration Check (P2K2107-CCV1)

Prepared & Analyzed: 11/21/22

Benzene	0.108	0.00100	mg/L	0.100		108	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)	0.208	0.00200	"	0.200		104	80-120			
Xylene (o)	0.0903	0.00100	"	0.100		90.3	80-120			
Surrogate: 4-Bromofluorobenzene	0.112		"	0.120		93.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.124		"	0.120		103	80-120			

Calibration Check (P2K2107-CCV2)

Prepared & Analyzed: 11/21/22

Benzene	0.111	0.00100	mg/L	0.100		111	80-120			
Toluene	0.113	0.00100	"	0.100		113	80-120			
Ethylbenzene	0.113	0.00100	"	0.100		113	80-120			
Xylene (p/m)	0.232	0.00200	"	0.200		116	80-120			
Xylene (o)	0.100	0.00100	"	0.100		100	80-120			
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		102	80-120			

Calibration Check (P2K2107-CCV3)

Prepared: 11/21/22 Analyzed: 11/22/22

Benzene	0.109	0.00100	mg/L	0.100		109	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.101	0.00100	"	0.100		101	80-120			
Xylene (p/m)	0.207	0.00200	"	0.200		103	80-120			
Xylene (o)	0.0909	0.00100	"	0.100		90.9	80-120			
Surrogate: 4-Bromofluorobenzene	0.111		"	0.120		92.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		101	80-120			

Permian Basin Environmental Lab, L.P.

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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

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

Batch P2K2107 - * DEFAULT PREP *****

Matrix Spike (P2K2107-MS1)		Source: 2K16005-01		Prepared: 11/21/22 Analyzed: 11/22/22						
Benzene	0.103	0.00100	mg/L	0.100	ND	103	80-120			
Toluene	0.0992	0.00100	"	0.100	ND	99.2	80-120			
Ethylbenzene	0.107	0.00100	"	0.100	0.000970	106	80-120			
Xylene (p/m)	0.205	0.00200	"	0.200	0.00258	101	80-120			
Xylene (o)	0.0877	0.00100	"	0.100	0.000840	86.8	80-120			
Surrogate: 4-Bromofluorobenzene	0.110		"	0.120		91.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			

Matrix Spike Dup (P2K2107-MSD1)		Source: 2K16005-01		Prepared: 11/21/22 Analyzed: 11/22/22						
Benzene	0.100	0.00100	mg/L	0.100	ND	100	80-120	3.34	20	
Toluene	0.0963	0.00100	"	0.100	ND	96.3	80-120	3.04	20	
Ethylbenzene	0.105	0.00100	"	0.100	0.000970	104	80-120	2.63	20	
Xylene (p/m)	0.199	0.00200	"	0.200	0.00258	98.3	80-120	3.01	20	
Xylene (o)	0.0856	0.00100	"	0.100	0.000840	84.8	80-120	2.34	20	
Surrogate: 4-Bromofluorobenzene	0.112		"	0.120		93.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.125		"	0.120		104	80-120			

Permian Basin Environmental Lab, L.P.

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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

Notes and Definitions

ROI Received on Ice

pH1 The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.

NPBEL C Chain of Custody was not generated at PBELAB

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: 11/29/2022

Brent Barron, Laboratory Director/Technical Director

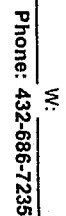
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Page 8 of 8

**APPENDIX B:
Release Notification and Corrective Action
(NMOCD Form C-141)**

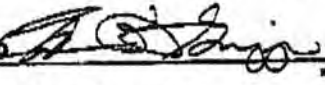
DISTRICT I

P.O. BOX 1980, HOBBS, NM 88241-1980

State of New Mexico
Energy, Minerals and Natural Resources DepartmentSUBMIT 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 3E/4 SE/4			SEC. 10	TWP. 11S	RGE. 35E	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

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 208252

CONDITIONS

Operator: PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	OGRID: 34053
	Action Number: 208252
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	1. Enhanced recovery system to resume operation during the 2023 calendar year with shut-downs only occurring for routine maintenance and/or repairs. 2. PSH recovery, quarterly groundwater monitoring and recovery system sampling to continue through 2023. 3. Annual Monitoring Report to be submitted to OCD no later than April 1, 2024. 4. PAH to be sampled as necessary. 5. Low-flow sampling for MNA parameters to continue for monitor wells MW-10, MW-9, MW-5, MW-6, MW-15 and MW-14 each quarter of the year.	5/16/2023