TRC

REVIEWED
By Mike Buchanan at 3:41 pm, Jul 20, 2023

2022
ANNUAL MONITORING REPORT

MONUMENT 10
NE ¼ NE¼ Section 30, Township 19 South, Range 37 East
LEA COUNTY, NEW MEXICO
PLAINS SRS NUMBER: TNM MONUMENT-10
NMOCD Reference Number 1R-0119
INCIDENT # nAPP2109536610

Prepared For:

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

Prepared By:

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March 2023

Review of the 2022 Groundwater Monitoring Report on behalf of Plains Marketing, Monument 10 Site: **Content Satisfactory**
1. Continue to conduct quarterly monitoring and gw sampling for 2023.
2. Continue to manually recover PSH product monthly and adjust per site conditions.
3. If unforeseen circumstances and modification to sampling is necessary, please submit a request for abatement plan modification per subsection A and B of 19.15.30.18
4. Submit 2023 Annual Groundwater Report to NMOCD by April 1, 2024.

Matthew K. Green P.G.
Senior Project Manager

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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, formerly NOVA Safety and Environmental (NOVA). The Monument 10 Site (the Site), formally the responsibility of Enron Oil Trading and Transportation (EOTT), is now the responsibility of Plains. This report is intended to be viewed as a complete document with figures, attachments, tables, and text. The report presents the results of the quarterly groundwater monitoring events conducted in calendar year 2022. For reference, the Site Location Map is provided as Figure 1. Cumulative tables and laboratory data are provided in this report.

Groundwater monitoring was conducted each quarter of 2022 to assess the levels and extent of dissolved phase constituents and Phase Separated Hydrocarbon (PSH). The groundwater monitoring events consisted of measuring static water levels in the monitor wells, checking for the presence of PSH and purging and sampling of each well exhibiting sufficient recharge. Monitor wells containing a thickness of PSH greater than 0.01 foot were not sampled.

SITE DESCRIPTION AND BACKGROUND INFORMATION

The legal description of the site location is NE ¼ NE¼ Section 30, Township 19 South, Range 37 East. No information with respect to the release date, volume of crude oil released or recovered, excavation volumes, or pipeline repair details is available. The Release Notification and Corrective Action (Form C-141) is provided as Appendix B. The initial site investigation, consisting of the installation of seven (7) groundwater monitor wells (MW-1 through MW-7), was conducted by a previous consultant.

On September 2, 2020, monitor well MW-3 (2” diameter) was plugged and abandoned and monitor well MW-3A (4” diameter) was drilled and completed approximately twelve (12) feet to the southeast of monitor well MW-3.

Seven (7) groundwater monitor wells (MW-1, MW-2, MW-3A, and MW-4 through MW-7) are currently on-site. Due to declining PSH thicknesses, the automated recovery system which recovered PSH from monitor wells MW-2 and MW-3, was decommissioned in the 2nd quarter of 2015.

FIELD ACTIVITIES

Product Recovery Efforts

Approximately 10.68 gallons (approximately 0.25 barrels) of PSH were recovered from the Site during the reporting period. Approximately 3,044.45 gallons (approximately 72.49 barrels) of PSH have been recovered from this Site since the project inception. Measurable thicknesses of PSH are recorded in Table 1 and Figures 3A-3D.

Groundwater Monitoring

Quarterly monitoring events for the reporting period were conducted according to the following sampling schedule, which was approved by the NMOCD in correspondence dated April 28, 2004, and amended by NMOCD correspondences dated June 22, 2005, January 26, 2006, and October 31, 2012.

NMOCD Approved Sampling Schedule	
MW-1	Quarterly
MW-2	Quarterly
MW-3	Plugged and abandoned
MW-3A	Quarterly
MW-4	Annually
MW-5	Annually
MW-6	Semi-Annually
MW-7	Semi-Annually

The Site monitor wells were gauged and sampled on February 28-March 1, June 7, August 31-September 1, and November 3, 2022. Please note monitor wells MW-1 and MW-2 were inadvertently sampled on February 15, 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 conducted using a disposable polyethylene bailer for each well or electrical Proactive Mini-Monsoon pump and dedicated tubing. Groundwater was allowed to recharge and samples were collected using disposable Teflon samplers. Water samples were placed in clean glass containers provided by the laboratory and placed on ice in the field. Purge water was collected in a polystyrene tank and disposed of at a licensed disposal facility.

Please note, during all four (4) quarters of the reporting period, monitor wells MW-4, MW-1, MW-3A, MW-6, MW-7, and MW-2 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-4, MW-1, MW-3A, MW-6, MW-7, and MW-2) 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.

Locations of the monitor wells and the inferred groundwater gradient, which were constructed from measurements collected during quarterly sampling events conducted in 2022, are depicted on the Inferred Groundwater Gradient Map(s), Figures 2A-2D. Groundwater elevation data for 2022 is provided as Table 1. Historical groundwater elevation data beginning at project inception is summarized in Table 4

The most recent Groundwater Gradient Map, Figure 2D, indicated a general gradient of 0.012 feet/foot to the southeast. This is consistent with data presented on Figures 2A through 2C from

earlier in the year, which indicated a general gradient of 0.012 feet/foot to the southeast. The corrected groundwater elevations ranged between 3,604.91 and 3,609.53 feet above mean sea level, in monitor well MW-6 on November 3, 2022, and monitor well MW-4 on January 10, 2022, respectively.

LABORATORY RESULTS

Groundwater samples obtained during all four (4) quarterly sampling events of 2022 were delivered to Permian Basin Environmental Laboratories, Inc. in Midland, Texas for determination BTEX constituent concentrations. Monitor well MW-3A was sampled for Polynuclear Aromatic Hydrocarbons (PAH) analysis using EPA Method 8270 during the 4th quarter of the reporting period. Based on historical PAH analytical data, only those wells exhibiting elevated constituent concentrations above NMWQCC standards will be sampled, with the exclusion of those wells containing measurable PSH thicknesses. A listing of BTEX constituent concentrations for 2022 is summarized in Table 2 and historical concentrations of BTEX in groundwater are summarized in Table 5. The 2022 polynuclear aromatic hydrocarbon concentrations in groundwater are summarized in Table 3 and historical polynuclear aromatic hydrocarbon concentrations in groundwater are summarized in Table 6. 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-1 is sampled on a quarterly schedule and the analytical results indicated benzene concentrations were less than the applicable laboratory Reporting Limit (RL) during all four (4) quarters of the reporting period. Benzene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Toluene concentrations ranged from less than the applicable laboratory RL during the 2nd, 3rd, and 4th quarters to 0.00597 mg/L during the 1st quarter (February 15th) sampling event of the reporting period. Toluene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from less than the applicable laboratory RL during the 1st quarter (March 1st) sampling event, 2nd, and 3rd quarters to 0.00555 mg/L during the (February 15th) 1st quarter sampling event 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 0.00111 mg/L during the 3rd quarter to 0.0402 mg/L during the 1st quarter (February 15th) sampling event of reporting period. Xylene concentrations were below 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 4th quarter of 2012. PAH analysis was not required during the 4th quarter sampling event.

Please note, monitor well MW-1 was selected as MNA parameter well and is located “upgradient within 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-1.

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
03/01/22	MW-1	6.35	20.38	1.08	-200	1.08	165
06/07/22	MW-1	7.83	25.18	1.16	-214	2.40	221
09/01/22	MW-1	6.67	23.50	1.12	-239	0.23	139
11/03/22	MW-1	6.87	25.85	1.10	-183	0	778

Analytical benzene data for the previous ten (10) years was entered into the GSI Mann-Kendall Toolkit (GSI-MKT), which indicated the Concentration Trend was "Decreasing" in monitor well MW-1. Analytical toluene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was "No Trend" in monitor well MW-1. Analytical ethylbenzene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was "No Trend" in monitor well MW-1. Analytical xylene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was "No Trend" in monitor well MW-1.

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

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.

Monitor well MW-2 is sampled on a quarterly schedule and the analytical results indicated benzene concentrations ranged from less than the applicable laboratory RL during the 1st quarter (March 1st) sampling event, 2nd, 3rd, and 4th quarters to 0.00249 mg/L during the (February 15th) 1st quarter sampling event of the reporting period. Benzene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Toluene concentrations ranged from less than the applicable laboratory RL during the 1st quarter (March 1st) sampling event, 2nd, 3rd, and 4th quarters to 0.00917 mg/L during the 1st quarter (February 15th) sampling event of the reporting period. Toluene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from less than the applicable laboratory RL during the 1st quarter (March 1st) sampling event, 2nd, 3rd, and 4th quarters to 0.00664 mg/L during the 1st quarter (February 15th) sampling event of reporting period. Ethylbenzene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Xylene concentrations ranged from less than the applicable laboratory RL during the 1st quarter March 1st sampling event and 2nd quarter to 0.0452 mg/L during the 1st quarter (February 15th) sampling event of reporting period. Xylene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. The analytical results indicated BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 4th quarter of 2012. PAH analysis was not required during the 4th quarter sampling event.

Please note, monitor well MW-2 was selected as MNA parameter well and is located "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-2.

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
03/01/22	MW-2	6.69	20.61	0.719	-201	2.52	3.5
06/07/22	MW-2	8.13	23.59	0.705	-224	1.40	11.6
09/01/22	MW-2	7.07	21.59	0.790	-245	1.39	0.00
11/03/22	MW-2	7.19	24.91	0.739	-234	0	75.5

Analytical benzene data for the previous seven (7) years was entered into the GSI Mann-Kendall Toolkit (GSI-MKT), which indicated the Concentration Trend was "No Trend" in monitor well MW-2. Analytical toluene data for the previous seven (7) years was entered into the GSI-MKT, which indicated the Concentration Trend was "No Trend" in monitor well MW-2. Analytical ethylbenzene data for the previous seven (7) years was entered into the GSI-MKT, which indicated the Concentration Trend was "No Trend" in monitor well MW-2. Analytical xylene data for the previous seven (7) years was entered into the GSI-MKT, which indicated the Concentration Trend was "Stable" in monitor well MW-2.

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

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.

Monitor well MW-3A is sampled on a quarterly schedule and the analytical results indicated benzene concentrations ranged from 0.00221 mg/L during the 2nd quarter to 0.0126 mg/L during the 1st quarter of the reporting period. Benzene concentrations were above the NMOCD regulatory guidelines during the 1st quarter of the reporting period. Toluene concentrations ranged 0.00109 mg/L during the 3rd quarter to 0.0237 mg/L during the 1st quarter of the reporting period. Toluene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from less than the applicable laboratory RL during the 3rd quarter to 0.0278 mg/L during the 1st quarter of reporting period. Ethylbenzene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Xylene concentrations ranged from 0.01064 mg/L during the 3rd quarter to 0.1273 mg/L during the 1st quarter of 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 measured elevated concentrations above NMWQCC Drinking Water Standards for Fluoranthene (0.0070 mg/L), Indeno[1,2,3-cd]pyrene (0.0093 mg/L), and naphthalene (0.089 mg/L).

In addition the analytical results indicated potential elevated concentrations above NMWQCC Drinking Water Standards for anthracene (<0.0011 mg/L), benzo[a]anthracene (<0.0011 mg/L), benzo[a]pyrene (<0.0011 mg/L), benzo[b]fluoranthene (<0.0011 mg/L), benzo[k]fluoranthene (<0.0011 mg/L), chrysene (<0.0011 mg/L), dibenz[a,h]anthracene (<0.0011 mg/L), fluorene (<0.0011 mg/L), and phenanthrene (<0.0011 mg/L).

Monitor well MW-3A was selected as an MNA parameter well and is located in the "Center of Plume". 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-3A.

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
03/01/22	MW-3A	6.62	18.76	0.759	-149	0.74	102
06/07/22	MW-3A	8.02	26.50	0.728	-250	0.32	270
09/01/22	MW-3A	6.92	23.50	0.836	-175	0.89	125
11/03/22	MW-3A	7.17	25.42	0.784	-191	0	495

Analytical benzene data for the previous two (2) years was entered into the GSI Mann-Kendall Toolkit (GSI-MKT), which indicated the Concentration Trend was "No Trend" in monitor well MW-3A. Analytical toluene data for the previous two (2) years was entered into the GSI-MKT, which indicated the Concentration Trend was "No Trend" in monitor well MW-3A. Analytical ethylbenzene data for the previous two (2) years was entered into the GSI-MKT, which indicated the Concentration Trend was "No Trend" in monitor well MW-3A. Analytical xylene data for the previous two (2) years was entered into the GSI-MKT, which indicated the Concentration Trend was "No Trend" in monitor well MW-3A.

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

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.

Monitor well MW-4 is sampled on an annual schedule, however MW-4 was selected as a MNA parameter well and subsequently was sampled during all four (4) quarterly sampling events. Analytical results indicated BTEX constituent concentrations were less than the applicable

laboratory RL and the NMOCD regulatory guideline during the reporting period. The analytical results indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines since the 1st quarter of 1998. PAH analysis was not required during the 4th quarter sampling event.

Please note, monitor well MW-4 was selected as MNA parameter well and is in the "upgradient 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-4.

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
03/01/22	MW-4	6.32	20.53	0.878	143	1.91	14.2
06/07/22	MW-4	8.37	21.17	0.863	51	1.03	10.8
09/01/22	MW-4	7.48	21.50	0.947	98	219	626
11/03/22	MW-4	7.16	22.24	0.873	120	3.49	384

Analytical benzene data for the previous ten (10) years was entered into the GSI Mann-Kendall Toolkit (GSI-MKT), which indicated the Concentration Trend was "Stable" in monitor well MW-4. Analytical toluene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was "Stable" in monitor well MW-4. Analytical ethylbenzene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was "Stable" in monitor well MW-4. Analytical xylene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was "No Trend" in monitor well MW-4.

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

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.

Monitor well MW-5 is sampled on an annual schedule and 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 1998. PAH analysis was not required during the 4th quarter sampling event.

Monitor well MW-6 is sampled on a semi-annual schedule however MW-6 was selected as a MNA parameter well and subsequently was sampled during all four (4) quarterly sampling events. Analytical results indicated BTEX constituent concentrations were less than the applicable

laboratory RL and the NMOCD regulatory guidelines during the reporting period. The analytical results indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines since the 1st quarter of 1998. PAH analysis was not required during the 4th quarter sampling event.

Please note, monitor well MW-6 was selected as MNA parameter well and is in the "downgradient within 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-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
03/01/22	MW-6	6.54	21.13	0.795	66	6.84	439
06/07/22	MW-6	8.18	25.70	0.805	47	0.63	871
09/01/22	MW-6	7.16	21.74	0.891	-19	0.68	1000
11/03/22	MW-6	7.18	22.59	0.824	-12	0.59	0

Analytical benzene data for the previous ten (10) years was entered into the GSI Mann-Kendall Toolkit (GSI-MKT), which indicated the Concentration Trend was "Stable" in monitor well MW-6. Analytical toluene data for 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 the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was "Stable" in monitor well MW-6. Analytical xylene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was "No Trend" in monitor well MW-6.

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

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.

Monitor well MW-7 is sampled on a semi-annual schedule however MW-7 was selected as a MNA parameter well and subsequently was sampled during all four (4) quarterly sampling events. Analytical results indicated BTEX constituent concentrations were less than the applicable laboratory RL and the NMOCD regulatory guidelines during the reporting period. The analytical results indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines since the 1st quarter of 1998. PAH analysis was not required during the 4th quarter sampling event.

Please note, monitor well MW-7 was selected as MNA parameter well and is in the "downgradient of plume" location. Groundwater samples collected during the 4th quarter 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-7.

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
03/01/22	MW-7	6.69	20.71	1.01	62	1.31	29.8
06/07/22	MW-7	8.14	25.10	1.07	50	3.33	54.2
09/01/22	MW-7	7.05	21.82	1.15	43	0.39	300
11/03/22	MW-7	7.26	22.76	1.09	74	0	922

Analytical benzene data for the previous ten (10) years was entered into the GSI Mann-Kendall Toolkit (GSI-MKT), which indicated the Concentration Trend was "Stable" in monitor well MW-7. Analytical toluene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was "No Trend" in monitor well MW-7. Analytical ethylbenzene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was "No Trend" in monitor well MW-7. Analytical xylene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was "No Trend" in monitor well MW-7.

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

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.

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

MONITORED NATURAL ATTENUATION AND LABORAOTRY 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, manganese^{2+}, iron^{3+}, 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	$CH_2O + O_2 \rightarrow CO_2 + H_2O$	-120 Kcal/mol
Denitrification	$5CH_2O + 3NO_3 + 4H^+ \rightarrow CO_2 + 7H_2O + 2N_2$	-114 Kcal/mol
Manganese Reduction	$CH_2O + 2MnO_2 + 4H^+ \rightarrow CO_2 + 3H_2O + 2Mn^{2+}$	-81 Kcal/mol
Iron Reduction	$CH_2O + 4Fe(OH)_3 + 8H^+ \rightarrow CO_2 + 11H_2O + 4Fe^{2+}$	-28 Kcal/mol
Sulfate Reduction	$2CH_2O + SO_4^{2-} + H^+ \rightarrow 2CO_2 + 2H_2O + HS^-$	-25 Kcal/mol
Methanogenesis	$2CH_2O \rightarrow CH_3COOH \rightarrow CH_4 + CO_2$	-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 wells were sampled. These wells generally included one (1) well upgradient of the plume (MW-4), one (1) well upgradient within the plume (MW-1), one (1) well near the center of the plume (MW-3A), one (1) well downgradient within the plume (MW-6), one (1) well downgradient of the plume (MW-7), and one (1) well cross-gradient of the plume center (MW-2).

The six (6) monitor wells (MW-4, MW-1, MW-3A, MW-6, MW-7, and MW-2) 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 laboratory RL are depicted on the GSI Mann-Kendall Toolkit for Constituent Trend Analysis spreadsheet at the applicable 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-4, MW-1, MW-6, MW-7, and MW-2 to 0.0126 mg/L for monitor well MW-3A.

For the 2nd quarter the analytical results for concentrations of benzene ranged from less than the applicable laboratory RL for monitor wells MW-4, MW-1, MW-6, MW-7, and MW-2 to 0.00221 mg/L for monitor well MW-3A.

For the 3rd quarter the analytical results for concentrations of benzene ranged from less than the applicable laboratory RL for monitor wells MW-4, MW-1, MW-6, MW-7, and MW-2 to 0.00226 mg/L for monitor well MW-3A.

For the 4th quarter the analytical results for concentrations of benzene ranged from less than the applicable laboratory RL for monitor wells MW-4, MW-1, MW-6, MW-7, and MW-2 to 0.00338 mg/L for monitor well MW-3A.

Please reference Table 7 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-4, MW-1, MW-3A, MW-6, MW-7, and MW-2. The GSI-MKT indicated the Concentration Trends for MW-4, MW-1, MW-3A, MW-6, MW-7, and MW-2 were as follows “Stable”, “Decreasing”, “No Trend”, “Stable”, “Stable”, and “No Trend”.

For the 1st quarter the analytical results for concentrations of toluene ranged from less than the applicable laboratory RL for monitor wells MW-4, MW-6, MW-7, and MW-2 to 0.0237 mg/L for monitor well MW-3A.

For the 2nd quarter the analytical results for concentrations of toluene ranged from less than the applicable laboratory RL for monitor wells MW-4, MW-1, MW-6, MW-7, and MW-2 to 0.00404 mg/L for monitor well MW-3A.

For the 3rd quarter the analytical results for concentrations of toluene ranged from less than the applicable laboratory RL for monitor wells MW-4, MW-1, MW-6, MW-7, and MW-2 to 0.00109 mg/L for monitor well MW-3A.

For the 4th quarter the analytical results for concentrations of toluene ranged from less than the applicable laboratory RL for monitor wells MW-4, MW-1, MW-6, MW-7, and MW-2 to 0.00207 mg/L for monitor well MW-3A.

Please reference Table 8 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-4, MW-4, MW-1, MW-3A, MW-6, MW-7, and MW-2. The GSI-MKT indicated the Concentration Trends for MW-4, MW-1, MW-3A, MW-6, MW-7, and MW-2 were as follows "Stable", "No Trend", "No Trend", "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-4, MW-1, MW-6, MW-7, and MW-2 to 0.0278 mg/L for monitor well MW-3A.

For the 2nd quarter the analytical results for concentrations of ethylbenzene ranged from less than the applicable laboratory RL for monitor wells MW-4, MW-1, MW-6, MW-7, and MW-2 to 0.00232 mg/L for monitor well MW-3A.

For the 3rd quarter the analytical results for concentrations of ethylbenzene were less than the applicable laboratory RL for monitor wells MW-4, MW-1, MW-6, MW-7, MW-2, and MW-3A.

For the 4th quarter the analytical results for concentrations of ethylbenzene ranged from less than the applicable laboratory RL for monitor wells MW-4, MW-6, MW-7, and MW-2 to 0.00191 mg/L for monitor well MW-1.

Please reference Table 9 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-4, MW-1, MW-3A, MW-6, MW-7, and MW-2. The GSI-MKT indicated the Concentration Trends for MW-4, MW-1, MW-3A, MW-6, MW-7, and MW-2, and MW-12 were as follows "Stable", "No Trend", "No Trend", "Stable", "No Trend", and "No Trend".

For the 1st quarter the analytical results for concentrations of xylene ranged from less than the applicable laboratory RL for monitor wells MW-4, MW-6, MW-7, and MW-2 to 0.1273 mg/L for monitor well MW-3A.

For the 2nd quarter the analytical results for concentrations of xylene ranged from less than the applicable laboratory RL for monitor wells MW-4, MW-6, MW-7, and MW-2 to 0.02642 mg/L for monitor well MW-3A.

For the 3rd quarter the analytical results for concentrations of xylene ranged from less than the applicable laboratory RL for monitor wells MW-4, MW-6, and MW-7 to 0.01064 mg/L for monitor well MW-3A.

For the 4th quarter the analytical results for concentrations of xylene ranged from less than the applicable laboratory RL for monitor wells MW-4, MW-6, and MW-7 to 0.01699 mg/L for monitor well MW-3A.
Please reference Table 10 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-4, MW-1, MW-3A, MW-6, MW-7, and MW-2. The GSI-MKT indicated the Concentration Trends for MW-4, MW-1, MW-3A, MW-6, MW-7, and MW-2 were as follows "No Trend", "No Trend", "No Trend", "No Trend", "No Trend", and "Stable".

For the 1st quarter the analytical results for concentrations of TOC were less than the applicable laboratory RL for monitor wells MW-4, MW-1, MW-3A, MW-6, MW-7 and MW-2. 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 2.52 mg/L for monitor well MW-2, to 22.8 mg/L for monitor well MW-1.

For the 3rd quarter the analytical results for concentrations of TOC were less than the applicable laboratory RL for monitor wells MW-4, MW-1, MW-3A, MW-6, MW-7 and MW-2. 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 4th quarter the analytical results for concentrations of TOC ranged from 2.39 mg/L for monitor well MW-2, to 17.6 mg/L for monitor well MW-1.

Please reference Table 11 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-4, MW-1, MW-3A, MW-6, MW-7, and MW-2. The GSI-MKT indicated the Concentration Trends for MW-4, MW-1, MW-3A, MW-6, MW-7, and MW-2 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 0.00263 mg/L for monitor well MW-4 to 0.492 mg/L for monitor well MW-3A.

For the 2nd quarter the analytical results for concentrations of Dissolved Methane ranged from 0.00164 mg/L for monitor well MW-4 to 0.474 mg/L for monitor well MW-3A.

For the 3rd quarter the analytical results for concentrations of Dissolved Methane ranged from 0.000629 mg/L for monitor well MW-4 to 0.492 mg/L for monitor well MW-3A.

For the 4th quarter the analytical results for concentrations of Dissolved Methane ranged 0.00112 mg/L for monitor well MW-4 to 0.957 mg/L for monitor well MW-3A.

Please reference Table 12 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-4, MW-1, MW-3A, MW-6, MW-7, and MW-2. The GSI-MKT indicated the Concentration Trends for MW-4, MW-1, MW-3A, MW-6, MW-7, and MW-2 were as follows "Stable", "Stable", "Probably Increasing", "Stable", "Stable", and "Stable".

For the 1st quarter the analytical results for concentrations of Dissolved Ethane were less than the applicable laboratory RL for monitor wells MW-4, MW-1, MW-3A, MW-6, MW-7, and MW-2.

For the 2nd quarter the analytical results for concentrations of Dissolved Ethane ranged from less than the applicable laboratory RL for monitor wells MW-1, MW-6, MW-7, and MW-2 to 0.00175 mg/L for monitor well MW-3A.

For the 3rd quarter the analytical results for concentrations of Dissolved Ethane were less than the applicable laboratory RL for monitor wells MW-4, MW-1, MW-3A, MW-6, MW-7, and MW-2.

For the 4th quarter he analytical results for concentrations of Dissolved Ethane ranged from less than the applicable laboratory RL for monitor wells MW-4, MW-1, MW-6, MW-7, and MW-2 to 0.00162 mg/L for monitor well MW-3A.

Please reference Table 13 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-4, MW-1, MW-3A, MW-6, MW-7, and MW-2. The GSI-MKT indicated the Concentration Trends for MW-4, MW-1, MW-3A, MW-6, MW-7, and MW-2 were as follows "Stable", "Stable", "No Trend", "Stable", "Stable", and "Stable".

For the 1st quarter the analytical results for concentrations of Dissolved Ethene ranged from less than the applicable laboratory RL for monitor wells MW-4, MW-1, MW-7, MW-2 to 0.00376 mg/L for monitor well MW-3A.

For the 2nd quarter the analytical results for concentrations of Dissolved Ethene ranged from less than the applicable laboratory RL for monitor well MW-4 to 0.00763 mg/L for monitor well MW-3A.

For the 3rd quarter the analytical results for concentrations of Dissolved Ethene ranged from less than the applicable laboratory RL for monitor wells MW-4, MW-6, and MW-2 to 0.00421 mg/L for monitor well MW-3A.

For the 4th quarter the analytical results for concentrations of Dissolved Ethene ranged from less than the applicable laboratory RL for monitor wells MW-1, MW-7, and MW-2 to 0.00426 mg/L for monitor well MW-3A.

Please reference Table 14 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-4, MW-1, MW-3A, MW-6, MW-7, and MW-2. The GSI-MKT indicated the

Concentration Trends for MW-4, MW-1, MW-3A, MW-6, MW-7, and MW-2 were as follows “No Trend”, “Stable”, “No Trend”, “Stable”, “Stable”, and “Stable”.

For the 1st quarter the analytical results for concentrations of Dissolved Iron (filtered) ranged from less than the appliable laboratory RL for monitor wells MW-4, MW-6, MW-7, and MW-2 to 2.52 mg/L for monitor well MW-3A.

For the 2nd quarter the analytical results for concentrations of Dissolved Iron (filtered) were less than the appliable laboratory RL for monitor wells MW-4, MW-6, MW-7, and MW-2 to 1.04 mg/L for monitor well MW-3A.

For the 3rd quarter the analytical results for concentrations of Dissolved Iron (filtered) ranged from less than the appliable laboratory RL for monitor wells MW-4 and MW-2 to 1.65 mg/L for monitor well MW-3A.

For the 4th quarter the analytical results for concentrations of Dissolved Iron (filtered) were less than the appliable laboratory RL for monitor wells MW-4, MW-1, MW-6, MW-7, and MW-2 to 1.05 mg/L for monitor well MW-3A.

Please reference Table 15 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-4, MW-1, MW-3A, MW-6, MW-7, and MW-2. The GSI-MKT indicated the Concentration Trends for MW-4, MW-1, MW-3A, MW-6, MW-7, and MW-2 were as follows “No Trend”, “Stable”, “Stable”, “No Trend”, “No Trend”, and “No Trend”.

For the 1st quarter the analytical results for concentrations of Dissolved Manganese (filtered) ranged from 0.0653 mg/L for monitor well MW-2 to 1.93 mg/L for monitor well MW-3A.

For the 2nd quarter the analytical results for concentrations of Dissolved Manganese (filtered) ranged from 0.0854 for monitor well MW-2 to 2.22 mg/L for monitor well MW-3A.

For the 3rd quarter the analytical results for concentrations of Dissolved Manganese (filtered) ranged from 0.187 mg/L for monitor well MW-7 to 1.85 mg/L for monitor well MW-3A.

The analytical results for concentrations of Dissolved Manganese (filtered) ranged from 0.104 mg/L for monitor well MW-2 to 1.59 mg/L for monitor well MW-3A.

Please reference Table 16 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-4, MW-1, MW-3A, MW-6, MW-7, and MW-2. The GSI-MKT indicated the Concentration Trends for MW-4, MW-1, MW-3A, MW-6, MW-7, and MW-2 were as follows “No Trend”, “Stable”, “Decreasing”, “No Trend”, “No Trend”, and “No Trend”.

For the 1st quarter the analytical results for concentrations of Nitrate ranged from less than the appliable laboratory RL for monitor well MW-1 to 1.97 mg/L for monitor well MW-4.

For the 2nd quarter the analytical results for concentrations of Nitrate ranged from less than the appliable laboratory RL for monitor well MW-1 to 2.00 mg/L for monitor well MW-4.

For the 3rd quarter the analytical results for concentrations of Nitrate ranged from less than the appliable laboratory RL for monitor wells MW-1 and MW-3A to 2.05 mg/L for monitor well MW-4.

For the 4th quarter the analytical results for concentrations of Nitrate ranged from less than the appliable laboratory RL for monitor wells for monitor wells MW-1 and MW-3A to 2.20 mg/L for monitor well MW-4.

Please reference Table 17 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-4, MW-1, MW-3A, MW-6, MW-7, and MW-2. The GSI-MKT indicated the Concentration Trends for MW-4, MW-1, MW-3A, MW-6, MW-7, and MW-2 were as follows “Increasing”, “Stable”, “Stable”, “No Trend”, “Stable”, and “Stable”.

For the 1st quarter the analytical results for concentrations of Sulfate ranged from 16.9 mg/L monitor well MW-1 to 76.3 mg/L for monitor well MW-4.

For the 2nd quarter the analytical results for concentrations of Sulfate ranged from 1.47 mg/L monitor well MW-3A to 73.2 mg/L for monitor well MW-4.

For the 3rd quarter the analytical results for concentrations of Sulfate ranged from 2.19 mg/L monitor well MW-3A to 75.2 mg/L for monitor well MW-4.

For the 4th quarter the analytical results for concentrations of Sulfate ranged from 1.18 mg/L monitor well MW-3A to 85.9 mg/L for monitor well MW-4.

Please reference Table 18 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-4, MW-1, MW-3A, MW-6, MW-7, and MW-2. The GSI-MKT indicated the Concentration Trends for MW-4, MW-1, MW-3A, MW-6, MW-7, and MW-2 were as follows “Stable”, “No Trend”, “No Trend”, “Increasing”, “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-7 and MW-2 to 49.0 mg/L for monitor well MW-1.

For the 2nd quarter the analytical results for concentrations of COD ranged from less than the applicable laboratory RL for monitor wells MW-4, MW-6, MW-7, and MW-2 to 30.0 mg/L for monitor well MW-1.

For the 3rd quarter the analytical results for concentrations of COD ranged from less than the applicable laboratory RL for monitor wells MW-4, MW-3A, MW-6, MW-7, and MW-2 to 23.0 mg/L for monitor well MW-1.

For the 4th quarter the analytical results for concentrations of COD ranged 6.0 mg/L for monitor well MW-1 to 77.0 mg/L for monitor well MW-2.

Please reference Table 19 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-4, MW-1, MW-3A, MW-6, MW-7, and MW-2. The GSI-MKT indicated the Concentration Trends for MW-4, MW-1, MW-3A, MW-6, MW-7, and MW-2 were as follows "Probably Increasing", "Decreasing", "No Trend", "No Trend", "No Trend", and "Increasing".

SUMMARY

This report presents the results of monitoring activities for the 2022 annual monitoring period. Currently, there are seven (7) groundwater monitor wells located on the site.

Approximately 10.68 gallons (approximately 0.25 barrels) of PSH were recovered from the Site during the reporting period. Approximately 3,044.45 gallons (approximately 72.49 barrels) of PSH have been recovered from this Site since the project inception. Measurable thicknesses of PSH are recorded in Table 1 and Figures 3A-3D.

Review of the laboratory analytical results of the groundwater samples obtained during the reporting period indicated BTEX constituent concentrations remain below the applicable NMOCD regulatory guidelines in all sampled monitor wells with the exception of monitor well MW-3A.

ANTICIPATED ACTIONS

Quarterly monitoring and groundwater sampling will continue in 2023. Manual product recovery and gauging will be conducted on a monthly schedule and will be adjusted according to site conditions.

PAH analysis will be conducted on monitor well MW-3A, when PSH is not observed in the monitor well.

Low-flow sampling of MNA parameters will be conducted on monitor wells MW-4, MW-1, MW-3A, MW-6, MW-7, and MW-2 during each quarterly sampling event. Unforeseen circumstances may require modification of this sampling event.

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

LIMITATIONS

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

TRC has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. TRC has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. TRC has prepared this report, in a professional manner, using the degree of skill and care exercised by similar environmental consultants. TRC also notes that the facts and conditions referenced in this report may change over time and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of Plains. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of TRC and/or Plains.

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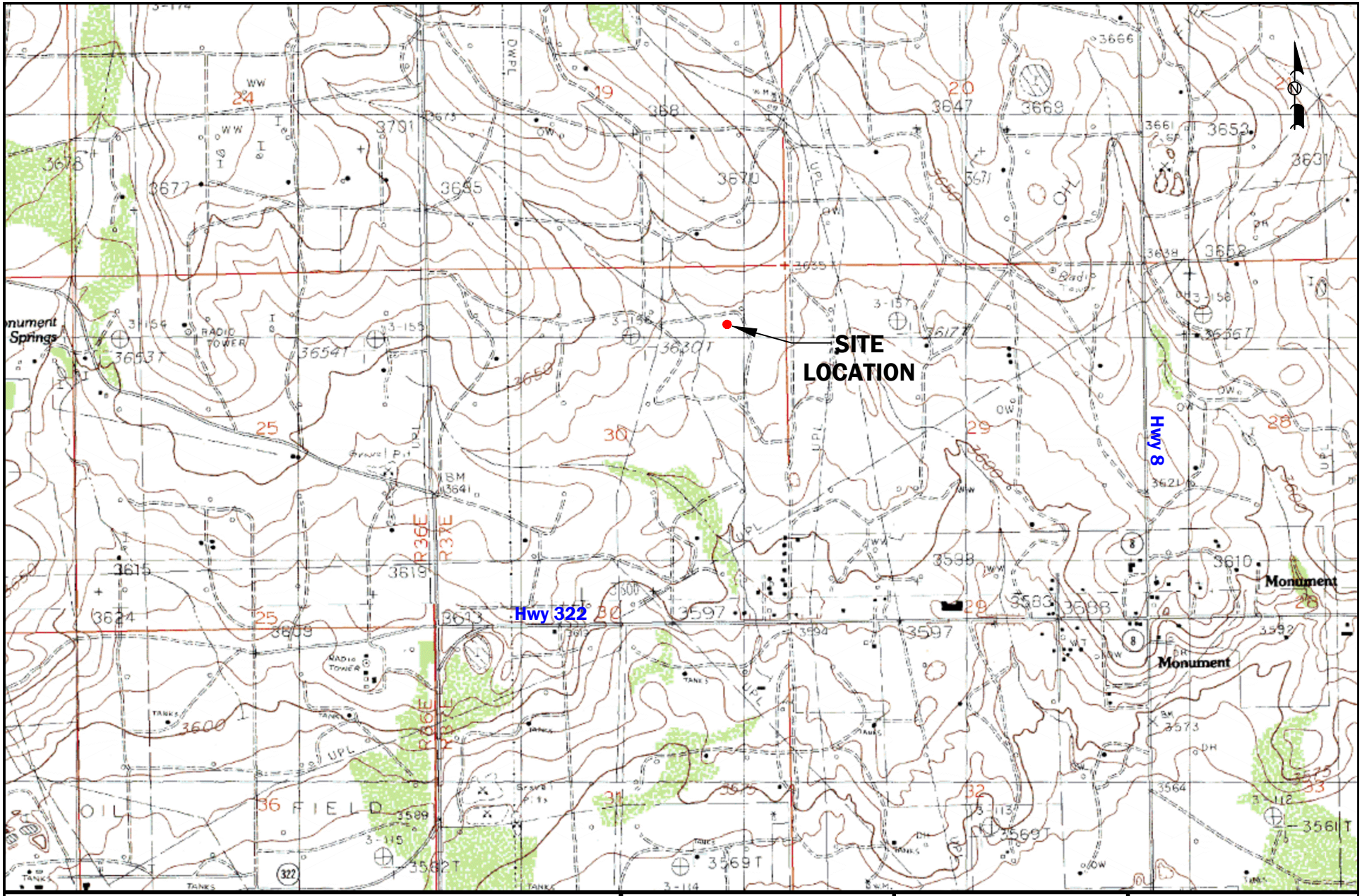
FIGURES



LEGEND:

2000 1000 0 1000 2000

Distance in Feet

Figure 1
Site Location Map
Plains Marketing, L.P.
Monument 10
NMOCD Reference # 1RP-0119
Lea County, NM

Scale: 1" = 2000'	
CAD By: TA	Checked By: CS
Draft: October 20, 2020	
Lat. N 32.636147° , Long. W 103.284488°	
NE1/4 NE1/4 Sec 30 T19S R37E	
TRC Proj. No.: 014170	

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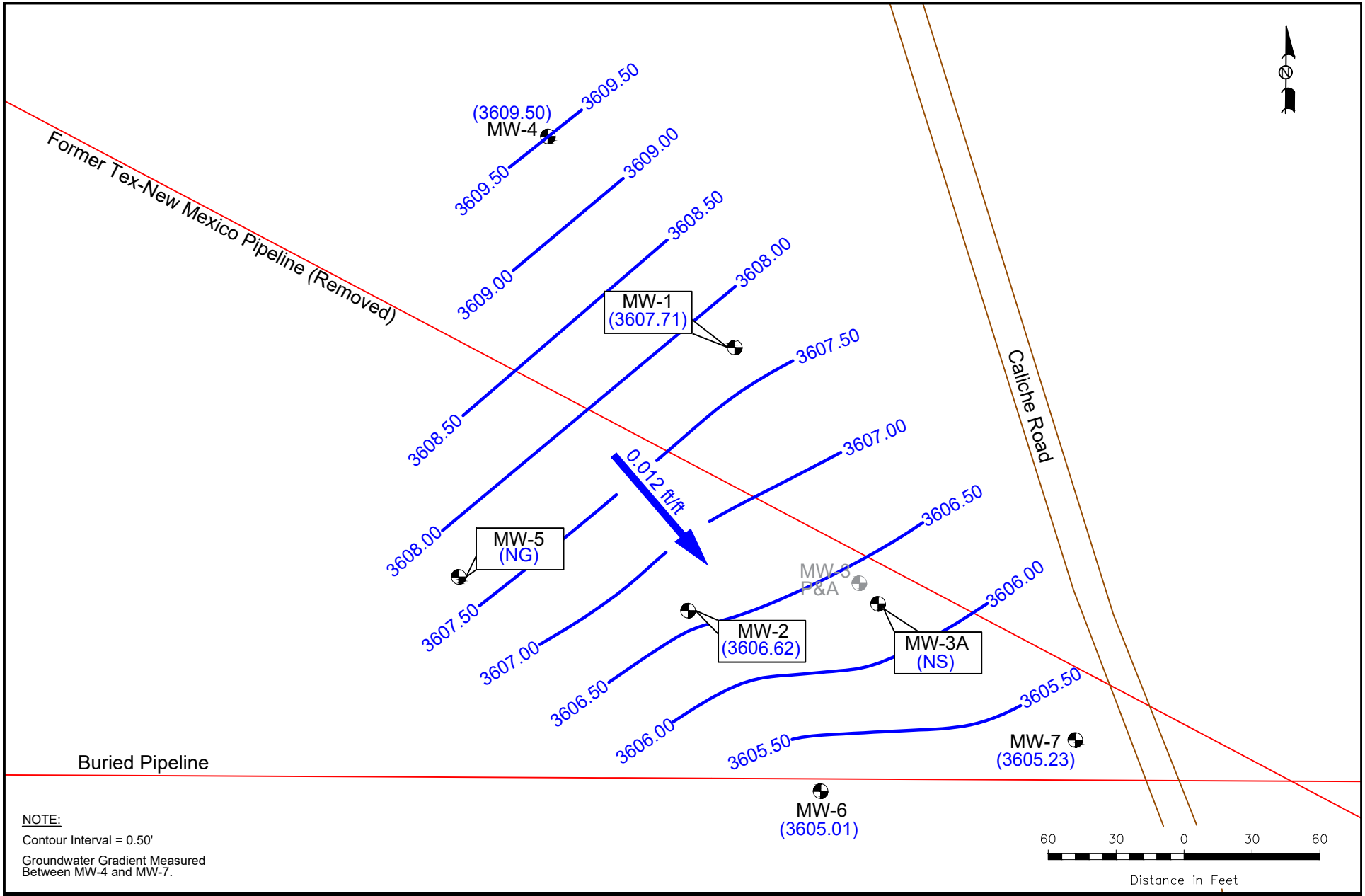
10 Desta Drive, Suite 130E
Midland, Texas 79705
432.520.7720



NOTE:
Contour Interval = 0.50'
Groundwater Gradient Measured Between MW-4 and MW-7.

LEGEND:
- Monitor Well Location
- Pipeline
- Groundwater Elevation Contour Line
- (3606.94) Groundwater Elevation (feet)
- 0.001 ft/ft Groundwater Gradient and Magnitude
- (NS) Not Surveyed

Figure 2A
Inferred Groundwater Gradient Map
(2/28/2022)
Plains Marketing, L.P.
Monument 10
NMOCD Reference # 1RP-0119
Lea County, NM

Scale: 1" = 60'	
CAD By: CS	Checked By: CS
Draft: April 28, 2022	
Lat. N 32.636147° , Long. W 103.284488°	
NE1/4 NE1/4 Sec 30 T19S R37E	
TRC Proj. No.: 014170	

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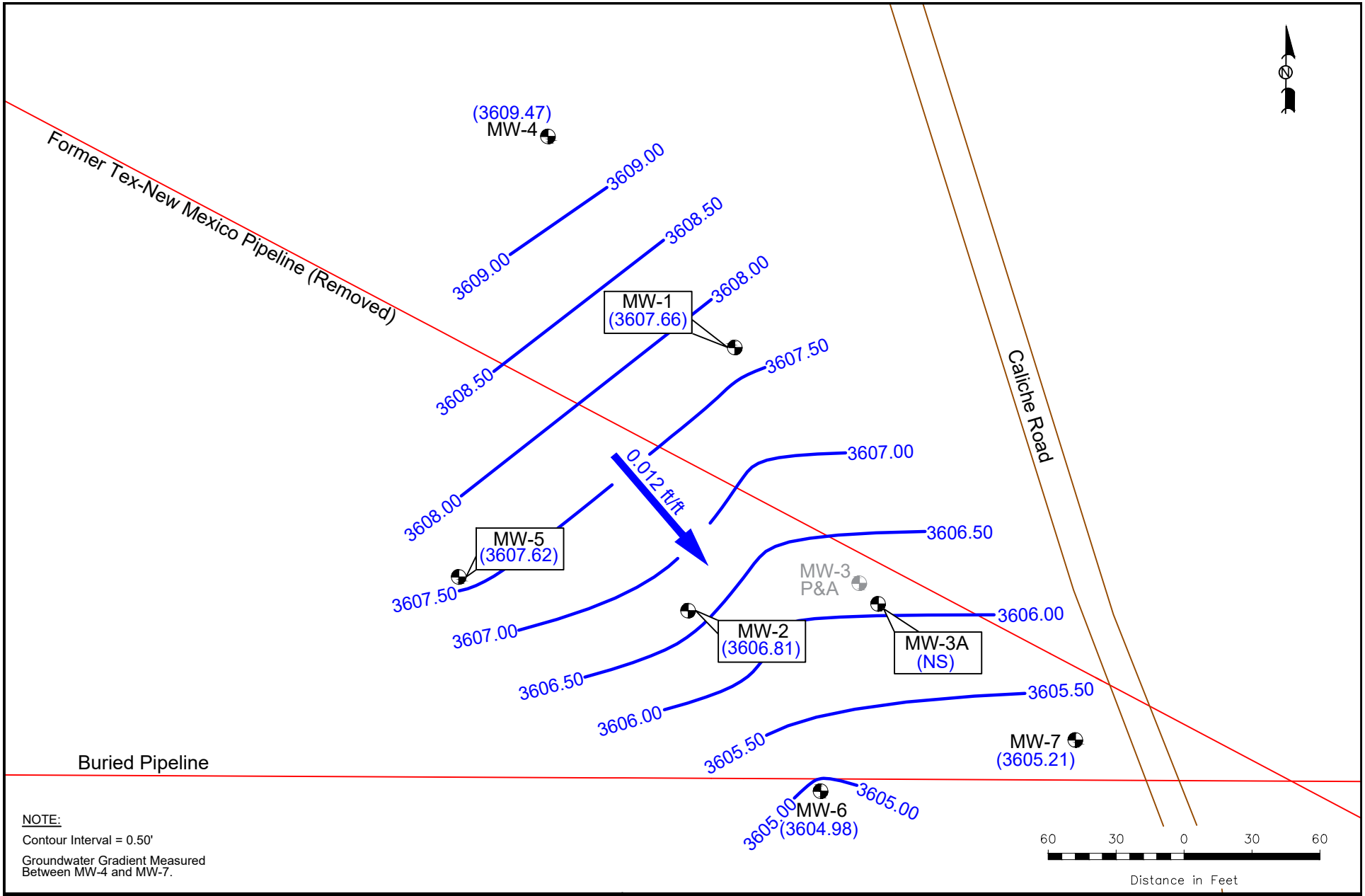

NOTE:

Contour Interval = 0.50'

Groundwater Gradient Measured Between MW-4 and MW-7.

LEGEND:

- Monitor Well Location
- Pipeline
- Groundwater Elevation Contour Line
- (3606.94) Groundwater Elevation (feet)
- 0.001 ft/ft Groundwater Gradient and Magnitude
- (NS) Not Surveyed

Figure 2B
Inferred Groundwater Gradient Map
(6/7/2022)
Plains Marketing, L.P.
Monument 10
NMOCD Reference # 1RP-0119
Lea County, NM

Scale: 1" = 60'	
CAD By: CS	Checked By: CS
Draft: June 9, 2022	
Lat. N 32.636147° , Long. W 103.284488°	
NE1/4 NE1/4 Sec 30 T19S R37E	
TRC Proj. No.: 014170	

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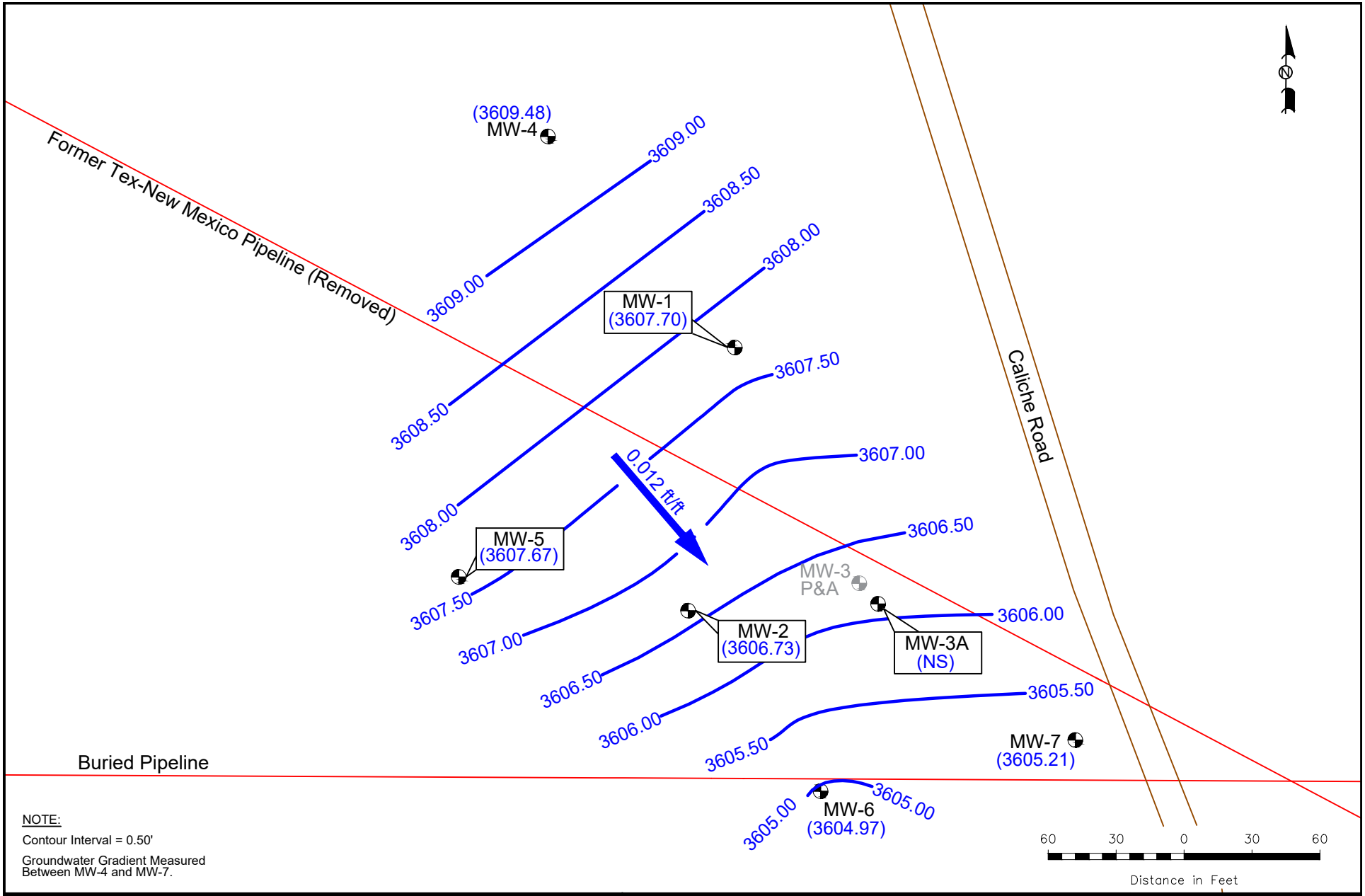

NOTE:

Contour Interval = 0.50'

Groundwater Gradient Measured Between MW-4 and MW-7.

LEGEND:

- Monitor Well Location
- Pipeline
- Groundwater Elevation Contour Line
- (3606.94) Groundwater Elevation (feet)
- 0.001 ft/ft Groundwater Gradient and Magnitude
- (NS) Not Surveyed

Figure 2C
Inferred Groundwater Gradient Map
(8/31/2022)
Plains Marketing, L.P.
Monument 10
NMOCD Reference # 1RP-0119
Lea County, NM

Scale: 1" = 60'	
CAD By: CS	Checked By: CS
Draft: September 2, 2022	
Lat. N 32.636147° , Long. W 103.284488°	
NE1/4 NE1/4 Sec 30 T19S R37E	
TRC Proj. No.: 014170	

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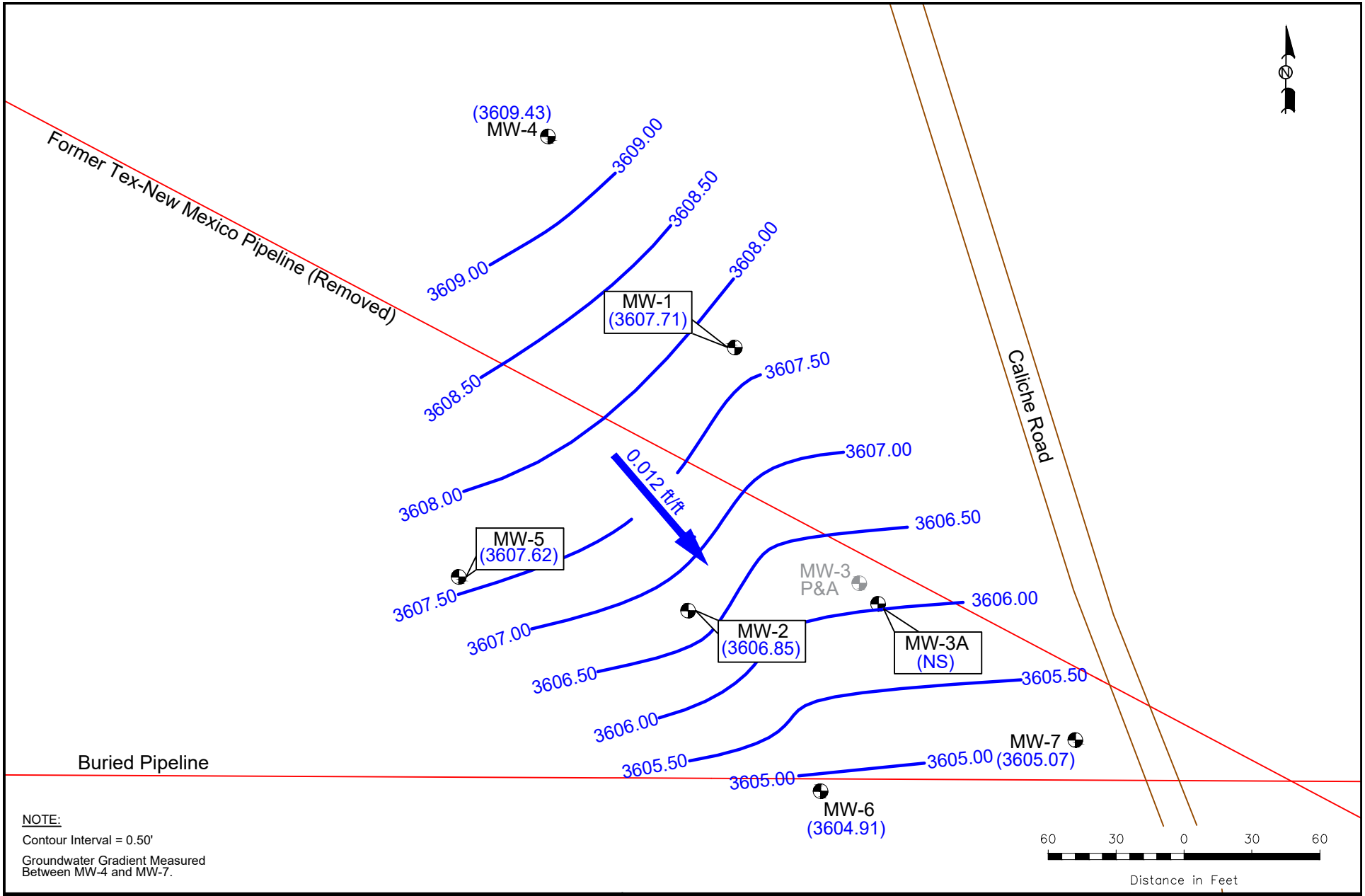

NOTE:
Contour Interval = 0.50'
Groundwater Gradient Measured Between MW-4 and MW-7.

LEGEND:

- Monitor Well Location
- Pipeline
- Groundwater Elevation Contour Line
- (3606.94) Groundwater Elevation (feet)
- 0.001 ft/ft Groundwater Gradient and Magnitude
- (NS) Not Surveyed

Figure 2D
Inferred Groundwater Gradient Map
(11/3/2022)
Plains Marketing, L.P.
Monument 10
NMOCD Reference # 1RP-0119
Lea County, NM

Scale: 1" = 60'	
CAD By: CS	Checked By: CS
Draft: March 5, 2023	
Lat. N 32.636147° , Long. W 103.284488°	
NE1/4 NE1/4 Sec 30 T19S R37E	
TRC Proj. No.: 014170	

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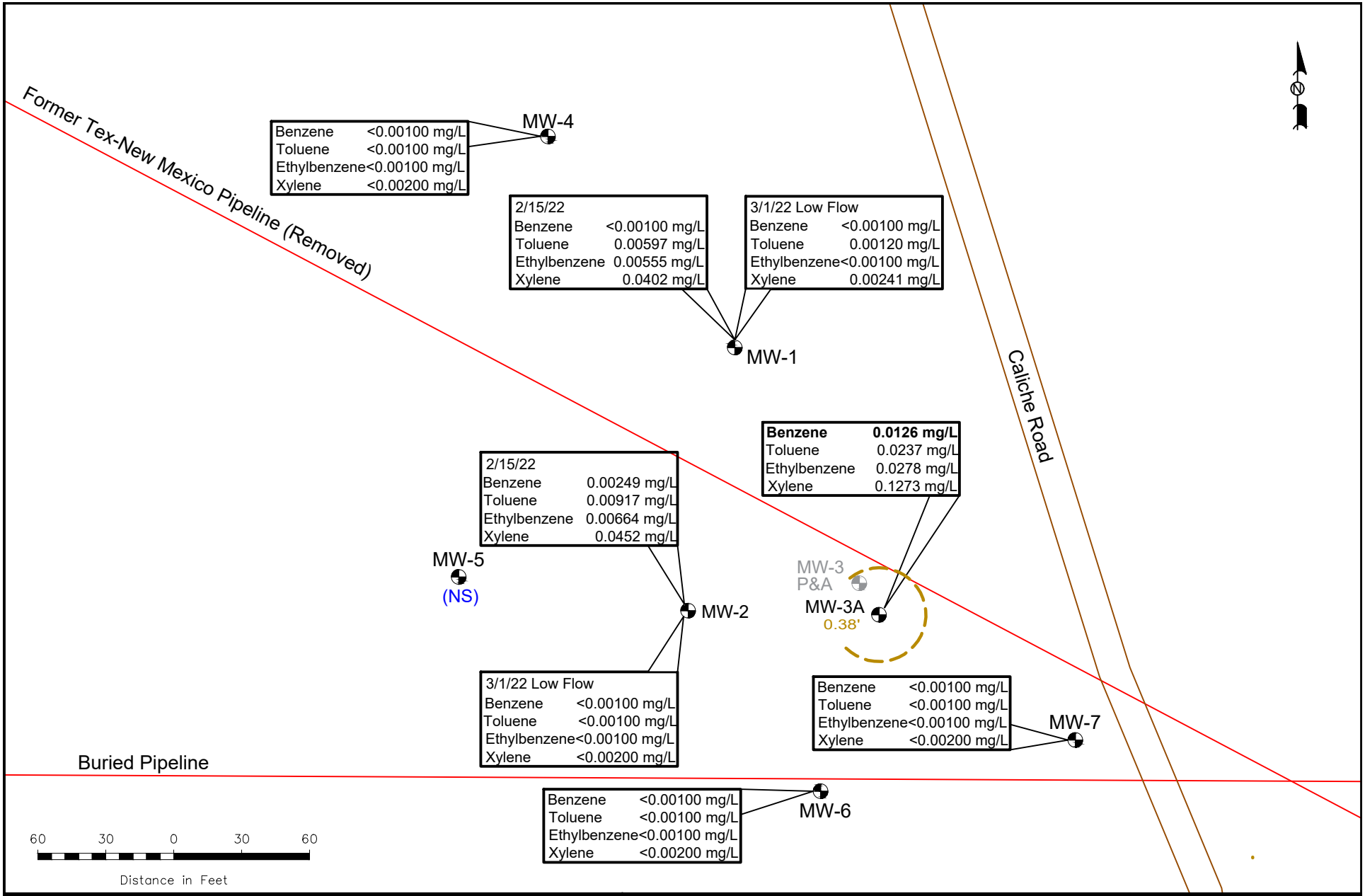


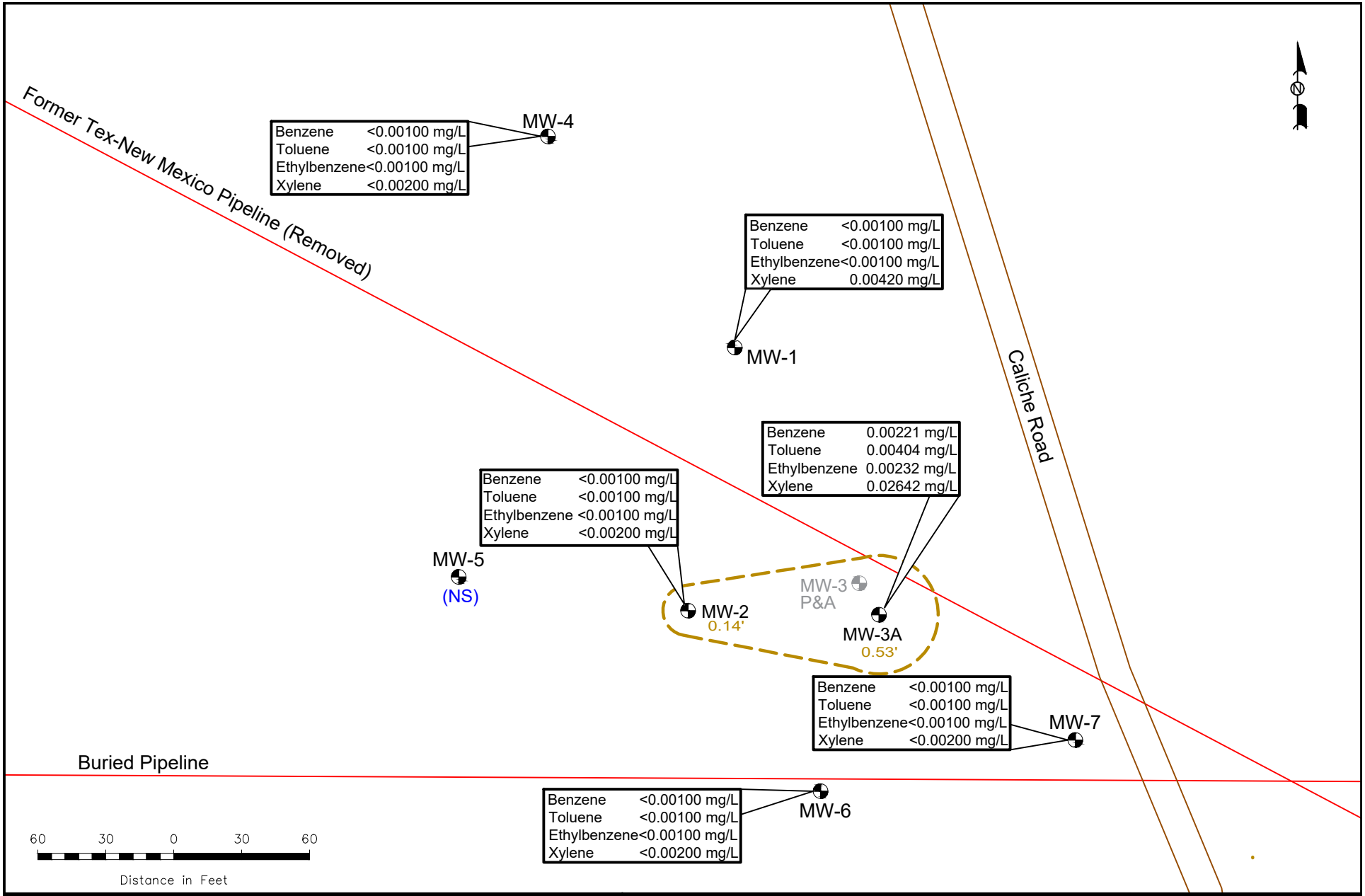
LEGEND:

- Monitor Well Location
- Pipeline
- Inferred Extent of PSH
- (NS) Not Sampled
- <0.001 Constituent Concentration (mg/L)
- 3.48' PSH Thickness (feet)

Figure 3A
Groundwater Concentration and Inferred PSH Extents Map
(2/15/2022 and 3/1/2022)
Plains Marketing, L.P.
Monument 10
NMOCD Reference # 1RP-0119
Lea County, NM

Scale: 1" = 60'	
CAD By: CS	Checked By: CS
Draft: April 4, 2022	
Lat. N 32.636147° , Long. W 103.284488°	
SE1/4 NE1/4 Sec 30 T19S R37E	
TRC Proj. No.: 014170	

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



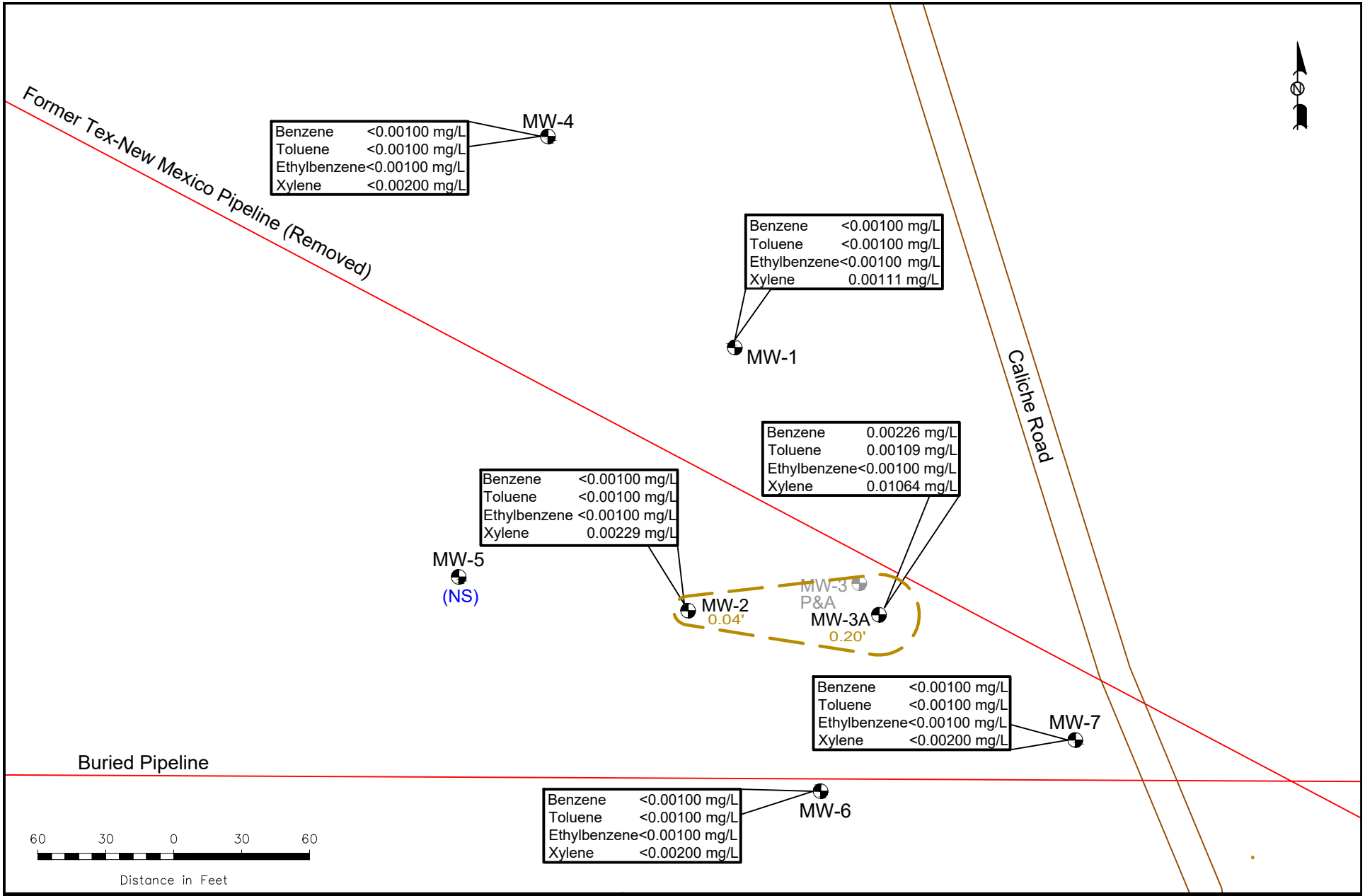
LEGEND:

- Monitor Well Location
- Pipeline
- Inferred Extent of PSH
- (NS) Not Sampled
- <0.001 Constituent Concentration (mg/L)
- 3.48' PSH Thickness (feet)

Figure 3B
Groundwater Concentration and Inferred PSH Extents Map
(6/7/2022)
Plains Marketing, L.P.
Monument 10
NMOCD Reference # 1RP-0119
Lea County, NM

Scale: 1" = 60'	
CAD By: CS	Checked By: CS
Draft: June 22, 2022	
Lat. N 32.636147° , Long. W 103.284488°	
SE1/4 NE1/4 Sec 30 T19S R37E	
TRC Proj. No.: 014170	

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



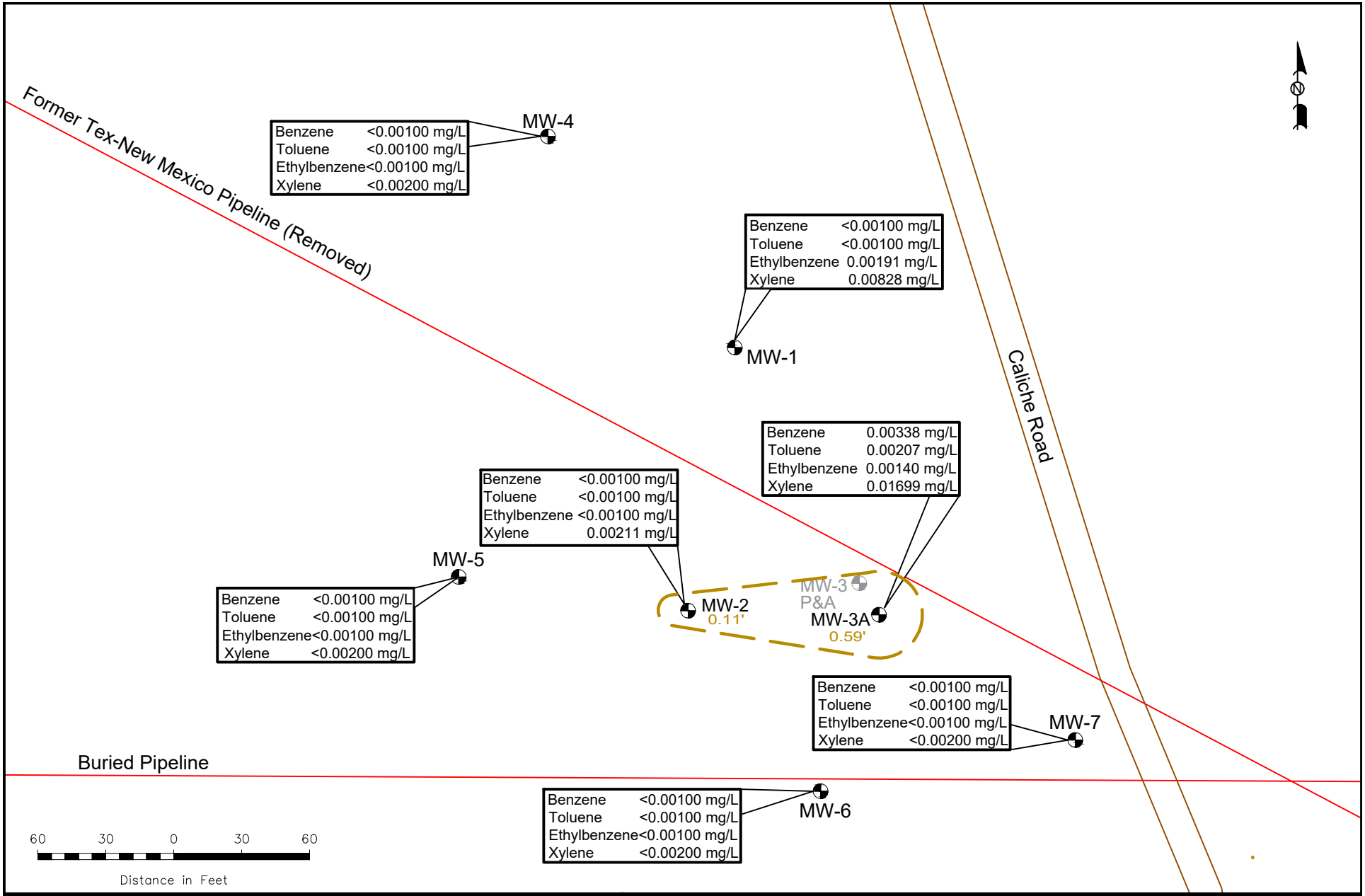
LEGEND:

- Monitor Well Location
- Pipeline
- Inferred Extent of PSH
- (NS) Not Sampled
- <0.001 Constituent Concentration (mg/L)
- 3.48' PSH Thickness (feet)

Figure 3C
Groundwater Concentration and Inferred PSH Extents Map
(8/31/2022 - 9/1/2022)
Plains Marketing, L.P.
Monument 10
NMOCD Reference # 1RP-0119
Lea County, NM

Scale: 1" = 60'	
CAD By: CS	Checked By: CS
Draft: September 27, 2022	
Lat. N 32.636147° , Long. W 103.284488°	
SE1/4 NE1/4 Sec 30 T19S R37E	
TRC Proj. No.: 014170	

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



LEGEND:

- Monitor Well Location
- Pipeline
- Inferred Extent of PSH
- (NS) Not Sampled
- <0.001 Constituent Concentration (mg/L)
- 3.48' PSH Thickness (feet)

Figure 3D
Groundwater Concentration and Inferred PSH Extents Map
(11/03/2022)
Plains Marketing, L.P.
Monument 10
NMOCD Reference # 1RP-0119
Lea County, NM

Scale: 1" = 60'	
CAD By: CS	Checked By: CS
Draft: February 24, 2023	
Lat. N 32.636147° , Long. W 103.284488°	
SE1/4 NE1/4 Sec 30 T19S R37E	
TRC Proj. No.: 014170	

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

TABLES

TABLE 1

2022 GROUNDWATER ELEVATION DATA

PLAIN MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	01/10/22	3,629.33	-	21.62	0.00	3,607.71
MW - 1	02/28/22	3,629.33	-	21.62	0.00	3,607.71
MW - 1	04/15/22	3,629.33	-	21.63	0.00	3,607.70
MW - 1	06/07/22	3,629.33	-	21.67	0.00	3,607.66
MW - 1	08/31/22	3,629.33	-	21.63	0.00	3,607.70
MW - 1	11/03/22	3,629.33	-	21.62	0.00	3,607.71
MW - 2	01/04/22	3,629.43	-	22.62	0.00	3,606.81
MW - 2	01/10/22	3,629.43	-	22.69	0.00	3,606.74
MW - 2	02/01/22	3,629.43	-	22.72	0.00	3,606.71
MW - 2	02/28/22	3,629.43	-	22.81	0.00	3,606.62
MW - 2	03/22/22	3,629.43	22.59	22.63	0.04	3,606.83
MW - 2	04/04/22	3,629.43	22.68	22.73	0.05	3,606.74
MW - 2	04/15/22	3,629.43	22.56	22.65	0.09	3,606.86
MW - 2	05/05/22	3,629.43	22.65	22.69	0.04	3,606.77
MW - 2	06/07/22	3,629.43	22.60	22.74	0.14	3,606.81
MW - 2	06/09/22	3,629.43	22.59	22.70	0.11	3,606.82
MW - 2	07/15/22	3,629.43	22.67	22.91	0.24	3,606.72
MW - 2	08/15/22	3,629.43	22.68	23.03	0.35	3,606.70
MW - 2	08/31/22	3,629.43	22.69	22.73	0.04	3,606.73
MW - 2	10/04/22	3,629.43	22.59	23.08	0.49	3,606.77
MW - 2	11/03/22	3,629.43	22.56	22.67	0.11	3,606.85
MW - 2	11/17/22	3,629.43	22.62	22.72	0.10	3,606.80
MW - 2	12/07/22	3,629.43	22.63	22.70	0.07	3,606.79
MW - 3A	01/04/22	-	23.20	23.90	0.70	-
MW - 3A	01/10/22	-	23.25	24.50	1.25	-
MW - 3A	02/01/22	-	23.21	23.95	0.74	-
MW - 3A	02/28/22	-	23.26	23.64	0.38	-
MW - 3A	03/22/22	-	23.29	23.75	0.46	-
MW - 3A	04/04/22	-	23.25	23.55	0.30	-
MW - 3A	04/15/22	-	23.25	23.55	0.30	-
MW - 3A	05/05/22	-	23.23	23.72	0.49	-
MW - 3A	06/07/22	-	23.27	23.80	0.53	-
MW - 3A	06/09/22	-	23.32	23.43	0.11	-
MW - 3A	07/15/22	-	23.43	24.00	0.57	-
MW - 3A	08/15/22	-	23.48	23.95	0.47	-
MW - 3A	08/31/22	-	23.25	23.45	0.20	-
MW - 3A	10/04/22	-	23.26	23.66	0.40	-

TABLE 1

2022 GROUNDWATER ELEVATION DATA

PLAIN MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 3A	11/03/22	-	23.34	23.93	0.59	-
MW - 3A	11/17/22	-	23.19	24.00	0.81	-
MW - 3A	12/07/22	-	23.39	23.90	0.51	-
MW - 4	01/10/22	3,629.97	-	20.44	0.00	3,609.53
MW - 4	02/28/22	3,629.97	-	20.47	0.00	3,609.50
MW - 4	04/15/22	3,629.97	-	20.45	0.00	3,609.52
MW - 4	06/07/22	3,629.97	-	20.50	0.00	3,609.47
MW - 4	08/31/22	3,629.97	-	20.49	0.00	3,609.48
MW - 4	11/03/22	3,629.97	-	20.54	0.00	3,609.43
MW - 5	01/10/22	3,629.36	-	21.68	0.00	3,607.68
MW - 5	02/15/22	3,629.36	-	21.64	0.00	3,607.72
MW - 5	04/15/22	3,629.36	-	21.67	0.00	3,607.69
MW - 5	06/07/22	3,629.36	-	21.74	0.00	3,607.62
MW - 5	08/31/22	3,629.36	-	21.69	0.00	3,607.67
MW - 5	11/03/22	3,629.36	-	21.74	0.00	3,607.62
MW - 6	01/10/22	3,629.17	-	24.17	0.00	3,605.00
MW - 6	02/28/22	3,629.17	-	24.16	0.00	3,605.01
MW - 6	04/15/22	3,629.17	-	24.17	0.00	3,605.00
MW - 6	06/07/22	3,629.17	-	24.19	0.00	3,604.98
MW - 6	08/31/22	3,629.17	-	24.20	0.00	3,604.97
MW - 6	11/03/22	3,629.17	-	24.26	0.00	3,604.91
MW - 7	01/10/22	3,628.07	-	22.84	0.00	3,605.23
MW - 7	02/28/22	3,628.07	-	22.84	0.00	3,605.23
MW - 7	04/15/22	3,628.07	-	22.87	0.00	3,605.20
MW - 7	06/07/22	3,628.07	-	22.86	0.00	3,605.21
MW - 7	08/31/22	3,628.07	-	22.86	0.00	3,605.21
MW - 7	11/03/22	3,628.07	-	23.00	0.00	3,605.07

*Well damaged, not gauged or sampled this event.
**Denotes change in TOC elevation due to wellhead repairs.

TABLE 2

2022 CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO

Results are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	Methods: EPA SW 846-8021, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		**0.01**	**0.75**	**0.75**	**0.62**	
MW - 1	02/15/22	<0.00100	0.00597	0.00555	0.0402	
MW - 1	03/01/22	<0.00100	0.00120	<0.00100	0.00241	
MW - 1	06/07/22	<0.00100	<0.00100	<0.00100	0.00420	
MW - 1	09/01/22	<0.00100	<0.00100	<0.00100	0.00111	
MW - 1	11/03/22	<0.00100	<0.00100	0.00191	0.00828	
MW - 2	02/15/22	0.00249	0.00917	0.00664	0.0452	
MW - 2	03/01/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 2	06/07/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 2	09/01/22	<0.00100	<0.00100	<0.00100	0.00229	
MW - 2	11/03/22	<0.00100	<0.00100	<0.00100	0.00211	
MW - 3A	03/01/22	**0.0126**	0.0237	0.0278	0.1273	
MW - 3A	06/07/22	0.00221	0.00404	0.00232	0.02642	
MW - 3A	09/01/22	0.00226	0.00109	<0.00100	0.01064	
MW - 3A	11/03/22	0.00338	0.00207	0.00140	0.01699	
MW - 4	03/01/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 4	06/07/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 4	09/01/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 4	11/03/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 5	03/01/22	Not Sampled on Current Sample Schedule				
MW - 5	06/07/22	Not Sampled on Current Sample Schedule				
MW - 5	09/01/22	Not Sampled on Current Sample Schedule				
MW - 5	11/03/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 6	03/01/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 6	06/07/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 6	09/01/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 6	11/03/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 7	03/01/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 7	06/07/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 7	09/01/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 7	11/03/22	<0.00100	<0.00100	<0.00100	<0.00200	

TABLE 3

2022 POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0119

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		---	---	**0.001 mg/L**	**0.0001 mg/L**	**0.0007 mg/L**	**0.001 mg/L**	---	**0.001 mg/L**	**0.0002 mg/L**	**0.0003 mg/L**	**0.001 mg/L**	**0.001 mg/L**	**0.0004 mg/L**	**0.001 mg/L**	**0.001 mg/L**	**0.03 mg/L**			---
MW-1	11/03/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-2	11/03/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-3A	11/03/22	0.00067	0.0013	**<0.0011**	**<0.0011**	**<0.0011**	**<0.0011**	<0.0011	**<0.0011**	**<0.0011**	**<0.0011**	**0.0070**	**<0.0011**	**0.0093**	**<0.0011**	<0.00011	**0.089**			<0.0011
MW-4	11/03/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	11/03/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-6	11/03/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-7	11/03/22	Not Sampled as part of Quarterly Monitoring Event.																		

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	05/02/97	3,629.59	-	21.64	0.00	3607.95
MW - 1	08/15/97	3,629.59	-	21.66	0.00	3607.93
MW - 1	10/23/97	3,629.59	-	21.57	0.00	3608.02
MW - 1	11/01/97	3,629.59	-	21.60	0.00	3607.99
MW - 1	12/03/97	3,629.59	-	21.60	0.00	3607.99
MW - 1	01/02/98	3,629.59	-	21.57	0.00	3608.02
MW - 1	02/06/98	3,629.33	-	21.59	0.00	3,607.74
MW - 1	02/19/98	3,629.33	-	21.58	0.00	3,607.75
MW - 1	03/04/98	3,629.33	-	21.55	0.00	3,607.78
MW - 1	03/06/00	3,629.33	-	21.80	0.00	3,607.53
MW - 1	05/16/00	3,629.33	-	21.65	0.00	3,607.68
MW - 1	08/31/00	3,629.33	-	21.64	0.00	3,607.69
MW - 1	11/17/00	3,629.33	-	21.64	0.00	3,607.69
MW - 1	03/07/01	3,629.33	-	21.55	0.00	3,607.78
MW - 1	05/30/01	3,629.33	-	21.58	0.00	3,607.75
MW - 1	08/27/01	3,629.33	-	21.65	0.00	3,607.68
MW - 1	10/12/01	3,629.33	-	21.63	0.00	3,607.70
MW - 1	02/25/02	3,629.33	-	21.62	0.00	3,607.71
MW - 1	05/13/02	3,629.33	-	21.65	0.00	3,607.68
MW - 1	09/10/02	3,629.33	-	21.68	0.00	3,607.65
MW - 1	11/15/02	3,629.33	-	21.62	0.00	3,607.71
MW - 1	05/13/03	3,629.33	-	21.59	0.00	3,607.74
MW - 1	08/22/03	3,629.33	-	21.72	0.00	3,607.61
MW - 1	12/15/03	3,629.33	-	21.67	0.00	3,607.66
MW - 1	03/04/04	3,629.33	-	21.65	0.00	3,607.68
MW - 1	05/25/04	3,629.33	-	21.59	0.00	3,607.74
MW - 1	08/31/04	3,629.33	-	21.69	0.00	3,607.64
MW - 1	12/10/04	3,629.33	sheen	20.44	0.00	3,608.89
MW - 1	12/13/04	3,629.33	sheen	20.44	0.00	3,608.89
MW - 1	01/10/05	3,629.33	-	21.09	0.00	3,608.24
MW - 1	01/17/05	3,629.33	sheen	21.15	0.00	3,608.18
MW - 1	01/24/05	3,629.33	sheen	21.10	0.00	3,608.23
MW - 1	01/31/05	3,629.33	sheen	21.19	0.00	3,608.14
MW - 1	01/31/05	3,629.33	sheen	21.19	0.00	3,608.14
MW - 1	02/07/05	3,629.33	sheen	21.22	0.00	3,608.11
MW - 1	02/14/05	3,629.33	sheen	21.29	0.00	3,608.04
MW - 1	02/21/05	3,629.33	sheen	21.33	0.00	3,608.00
MW - 1	02/28/05	3,629.33	sheen	21.37	0.00	3,607.96
MW - 1	03/07/05	3,629.33	sheen	21.30	0.00	3,608.03

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	03/14/05	3,629.33	sheen	21.37	0.00	3,607.96
MW - 1	03/16/05	3,629.33	sheen	21.44	0.00	3,607.89
MW - 1	03/21/05	3,629.33	sheen	21.38	0.00	3,607.95
MW - 1	03/28/05	3,629.33	sheen	21.39	0.00	3,607.94
MW - 1	04/04/05	3,629.33	sheen	21.37	0.00	3,607.96
MW - 1	04/13/05	3,629.33	sheen	21.38	0.00	3,607.95
MW - 1	04/18/05	3,629.33	21.35	21.36	0.01	3,607.98
MW - 1	05/23/05	3,629.33	sheen	21.40	0.00	3,607.93
MW - 1	06/02/05	3,629.33	sheen	21.44	0.00	3,607.89
MW - 1	06/07/05	3,629.33	sheen	21.41	0.00	3,607.92
MW - 1	06/13/05	3,629.33	-	21.45	0.00	3,607.88
MW - 1	06/14/05	3,629.33	sheen	21.45	0.00	3,607.88
MW - 1	06/21/05	3,629.33	sheen	21.51	0.00	3,607.82
MW - 1	07/13/05	3,629.33	sheen	21.55	0.00	3,607.78
MW - 1	07/19/05	3,629.33	sheen	21.58	0.00	3,607.75
MW - 1	07/26/05	3,629.33	sheen	21.57	0.00	3,607.76
MW - 1	08/01/05	3,629.33	sheen	21.56	0.00	3,607.77
MW - 1	08/15/05	3,629.33	sheen	21.60	0.00	3,607.73
MW - 1	08/24/05	3,629.33	sheen	21.58	0.00	3,607.75
MW - 1	08/30/05	3,629.33	sheen	21.56	0.00	3,607.77
MW - 1	09/12/05	3,629.33	-	21.50	0.00	3,607.83
MW - 1	09/20/05	3,629.33	sheen	21.63	0.00	3,607.70
MW - 1	09/26/05	3,629.33	sheen	21.59	0.00	3,607.74
MW - 1	10/07/05	3,629.33	sheen	21.62	0.00	3,607.71
MW - 1	10/11/05	3,629.33	sheen	21.61	0.00	3,607.72
MW - 1	10/18/05	3,629.33	sheen	21.58	0.00	3,607.75
MW - 1	10/25/05	3,629.33	sheen	21.60	0.00	3,607.73
MW - 1	11/14/05	3,629.33	sheen	21.60	0.00	3,607.73
MW - 1	11/23/05	3,629.33	sheen	21.57	0.00	3,607.76
MW - 1	12/06/05	3,629.33	-	21.60	0.00	3,607.73
MW - 1	12/12/05	3,629.33	sheen	21.51	0.00	3,607.82
MW - 1	12/19/05	3,629.33	sheen	21.50	0.00	3,607.83
MW - 1	12/28/05	3,629.33	sheen	21.50	0.00	3,607.83
MW - 1	01/04/06	3,629.33	sheen	21.53	0.00	3,607.80
MW - 1	01/10/06	3,629.33	sheen	21.49	0.00	3,607.84
MW - 1	01/17/06	3,629.33	sheen	21.47	0.00	3,607.86
MW - 1	01/26/06	3,629.33	sheen	21.48	0.00	3,607.85
MW - 1	01/31/06	3,629.33	sheen	21.50	0.00	3,607.83
MW - 1	02/07/06	3,629.33	sheen	21.53	0.00	3,607.80

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	02/13/06	3,629.33	sheen	21.52	0.00	3,607.81
MW - 1	02/22/06	3,629.33	sheen	21.53	0.00	3,607.80
MW - 1	02/27/06	3,629.33	sheen	21.55	0.00	3,607.78
MW - 1	03/07/06	3,629.33	sheen	21.53	0.00	3,607.80
MW - 1	03/10/06	3,629.33	-	21.52	0.00	3,607.81
MW - 1	03/15/06	3,629.33	sheen	21.54	0.00	3,607.79
MW - 1	03/22/06	3,629.33	sheen	21.55	0.00	3,607.78
MW - 1	03/29/06	3,629.33	sheen	21.53	0.00	3,607.80
MW - 1	04/03/06	3,629.33	sheen	21.57	0.00	3,607.76
MW - 1	04/18/06	3,629.33	sheen	21.54	0.00	3,607.79
MW - 1	04/25/06	3,629.33	sheen	21.56	0.00	3,607.77
MW - 1	05/02/06	3,629.33	sheen	21.62	0.00	3,607.71
MW - 1	05/10/06	3,629.33	sheen	21.55	0.00	3,607.78
MW - 1	05/16/06	3,629.33	sheen	21.54	0.00	3,607.79
MW - 1	05/23/06	3,629.33	sheen	21.55	0.00	3,607.78
MW - 1	05/31/06	3,629.33	21.56	21.57	0.01	3,607.77
MW - 1	06/06/06	3,629.33	sheen	21.58	0.00	3,607.75
MW - 1	06/09/06	3,629.33	-	21.57	0.00	3,607.76
MW - 1	06/13/06	3,629.33	sheen	21.58	0.00	3,607.75
MW - 1	06/20/06	3,629.33	sheen	21.60	0.00	3,607.73
MW - 1	07/05/06	3,629.33	-	21.63	0.00	3,607.70
MW - 1	07/18/06	3,629.33	-	21.62	0.00	3,607.71
MW - 1	07/26/06	3,629.33	-	21.61	0.00	3,607.72
MW - 1	07/31/06	3,629.33	-	21.59	0.00	3,607.74
MW - 1	08/08/06	3,629.33	-	21.62	0.00	3,607.71
MW - 1	08/18/06	3,629.33	-	21.52	0.00	3,607.81
MW - 1	08/22/06	3,629.33	-	22.33	0.00	3,607.00
MW - 1	09/12/06	3,629.33	19.99	20.01	0.02	3,609.34
MW - 1	09/16/06	3,629.33	20.07	20.13	0.06	3,609.25
MW - 1	10/31/06	3,629.33	20.90	21.08	0.18	3,608.40
MW - 1	11/15/06	3,629.33	20.86	21.02	0.16	3,608.45
MW - 1	11/28/06	3,629.33	21.13	21.51	0.38	3,608.14
MW - 1	01/31/07	3,629.33	21.35	21.80	0.45	3,607.91
MW - 1	02/07/07	3,629.33	21.41	21.49	0.08	3,607.91
MW - 1	02/22/07	3,629.33	21.48	21.88	0.40	3,607.79
MW - 1	03/07/07	3,629.33	21.39	21.54	0.15	3,607.92
MW - 1	03/29/07	3,629.33	21.44	21.47	0.03	3,607.89
MW - 1	04/02/07	3,629.33	21.68	21.74	0.06	3,607.64
MW - 1	04/30/07	3,629.33	21.41	21.45	0.04	3,607.91

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	05/17/07	3,629.33	21.44	21.52	0.08	3,607.88
MW - 1	06/20/07	3,629.33	21.47	21.54	0.07	3,607.85
MW - 1	06/29/07	3,629.33	sheen	21.71	0.00	3,607.62
MW - 1	07/02/07	3,629.33	sheen	21.59	0.00	3,607.74
MW - 1	08/01/07	3,629.33	sheen	21.63	0.00	3,607.70
MW - 1	08/09/07	3,629.33	sheen	21.66	0.00	3,607.67
MW - 1	08/21/07	3,629.33	sheen	21.69	0.00	3,607.64
MW - 1	09/18/07	3,629.33	sheen	21.73	0.00	3,607.60
MW - 1	10/03/07	3,629.33	sheen	21.65	0.00	3,607.68
MW - 1	10/10/07	3,629.33	sheen	21.62	0.00	3,607.71
MW - 1	10/17/07	3,629.33	sheen	21.58	0.00	3,607.75
MW - 1	11/26/07	3,629.33	sheen	21.53	0.00	3,607.80
MW - 1	01/18/08	3,629.33	-	21.52	0.00	3,607.81
MW - 1	01/23/08	3,629.33	-	21.69	0.00	3,607.64
MW - 1	02/21/08	3,629.33	-	21.74	0.00	3,607.59
MW - 1	02/26/08	3,629.33	-	21.73	0.00	3,607.60
MW - 1	03/14/08	3,629.33	-	21.68	0.00	3,607.65
MW - 1	03/20/08	3,629.33	-	21.17	0.00	3,608.16
MW - 1	04/04/08	3,629.33	-	21.68	0.00	3,607.65
MW - 1	04/10/08	3,629.33	-	21.71	0.00	3,607.62
MW - 1	04/17/08	3,629.33	-	21.61	0.00	3,607.72
MW - 1	04/24/08	3,629.33	-	21.69	0.00	3,607.64
MW - 1	05/01/08	3,629.33	-	21.69	0.00	3,607.64
MW - 1	05/08/08	3,629.33	-	21.67	0.00	3,607.66
MW - 1	05/15/08	3,629.33	-	21.73	0.00	3,607.60
MW - 1	05/20/08	3,629.33	-	21.72	0.00	3,607.61
MW - 1	05/26/08	3,629.33	-	21.70	0.00	3,607.63
MW - 1	05/30/08	3,629.33	-	21.76	0.00	3,607.57
MW - 1	06/04/08	3,629.33	-	21.73	0.00	3,607.60
MW - 1	06/12/08	3,629.33	-	21.73	0.00	3,607.60
MW - 1	06/17/08	3,629.33	-	21.73	0.00	3,607.60
MW - 1	06/24/08	3,629.33	-	21.73	0.00	3,607.60
MW - 1	07/03/08	3,629.33	-	21.70	0.00	3,607.63
MW - 1	07/09/08	3,629.33	-	21.84	0.00	3,607.49
MW - 1	07/14/08	3,629.33	-	21.78	0.00	3,607.55
MW - 1	08/19/08	3,629.33	-	21.81	0.00	3,607.52
MW - 1	08/28/08	3,629.33	-	21.68	0.00	3,607.65
MW - 1	09/25/08	3,629.33	-	21.72	0.00	3,607.61
MW - 1	10/03/08	3,629.33	-	21.60	0.00	3,607.73

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	10/07/08	3,629.33	-	21.79	0.00	3,607.54
MW - 1	10/15/08	3,629.33	-	21.71	0.00	3,607.62
MW - 1	10/22/08	3,629.33	-	21.69	0.00	3,607.64
MW - 1	10/28/08	3,629.33	-	21.61	0.00	3,607.72
MW - 1	11/06/08	3,629.33	-	21.69	0.00	3,607.64
MW - 1	11/13/08	3,629.33	-	21.63	0.00	3,607.70
MW - 1	11/19/08	3,629.33	-	21.68	0.00	3,607.65
MW - 1	12/16/08	3,629.33	-	21.68	0.00	3,607.65
MW - 1	02/13/09	3,629.33	-	21.66	0.00	3,607.67
MW - 1	05/20/09	3,629.33	-	21.74	0.00	3,607.59
MW - 1	05/20/09	3,629.33	-	21.58	0.00	3,607.75
MW - 1	06/02/09	3,629.33	-	21.60	0.00	3,607.73
MW - 1	06/04/09	3,629.33	-	31.98	0.00	3,597.35
MW - 1	07/10/09	3,629.33	-	21.61	0.00	3,607.72
MW - 1	08/15/09	3,629.33	-	21.56	0.00	3,607.77
MW - 1	11/06/09	3,629.33	-	21.54	0.00	3,607.79
MW - 1	01/12/10	3,629.33	-	21.57	0.00	3,607.76
MW - 1	02/05/10	3,629.33	-	21.60	0.00	3,607.73
MW - 1	05/03/10	3,629.33	-	21.64	0.00	3,607.69
MW - 1	08/02/10	3,629.33	-	21.55	0.00	3,607.78
MW - 1	11/01/10	3,629.33	21.41	21.65	0.24	3,607.88
MW - 1	02/07/11	3,629.33	21.43	21.66	0.23	3,607.87
MW - 1	05/02/11	3,629.33	22.16	25.03	2.87	3,606.74
MW - 1	05/09/11	3,629.33	21.56	21.60	0.04	3,607.76
MW - 1	05/10/11	3,629.33	21.55	21.62	0.07	3,607.77
MW - 1	07/12/11	3,629.33	sheen	21.52	0.00	3,607.81
MW - 1	07/22/11	3,629.33	-	21.45	0.00	3,607.88
MW - 1	08/04/11	3,629.33	-	21.62	0.00	3,607.71
MW - 1	08/08/11	3,629.33	21.57	21.62	0.05	3,607.75
MW - 1	08/11/11	3,629.33	-	21.92	0.00	3,607.41
MW - 1	08/24/11	3,629.33	-	22.01	0.00	3,607.32
MW - 1	09/02/11	3,629.33	-	21.87	0.00	3,607.46
MW - 1	09/07/11	3,629.33	Sheen	21.85	0.00	3,607.48
MW - 1	09/09/11	3,629.33	Sheen	21.80	0.00	3,607.53
MW - 1	09/14/11	3,629.33	-	21.80	0.00	3,607.53
MW - 1	09/22/11	3,629.33	sheen	21.80	0.00	3,607.53
MW - 1	09/26/11	3,629.33	sheen	21.80	0.00	3,607.53
MW - 1	10/14/11	3,629.33	-	21.69	0.00	3,607.64
MW - 1	10/26/11	3,629.33	21.66	21.69	0.03	3,607.67

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	11/10/11	3,629.33	-	21.72	0.00	3,607.61
MW - 1	11/14/11	3,629.33	-	21.72	0.00	3,607.61
MW - 1	12/02/11	3,629.33	-	21.70	0.00	3,607.63
MW - 1	12/09/11	3,629.33	-	21.75	0.00	3,607.58
MW - 1	12/13/11	3,629.33	-	21.75	0.00	3,607.58
MW - 1	12/23/11	3,629.33	-	21.65	0.00	3,607.68
MW - 1	12/29/11	3,629.33	-	21.56	0.00	3,607.77
MW - 1	01/04/12	3,629.33	-	21.64	0.00	3,607.69
MW - 1	01/13/12	3,629.33	-	21.48	0.00	3,607.85
MW - 1	01/30/12	3,629.33	-	21.56	0.00	3,607.77
MW - 1	02/06/12	3,629.33	-	21.60	0.00	3,607.73
MW - 1	02/13/12	3,629.33	-	21.83	0.00	3,607.50
MW - 1	02/14/12	3,629.33	-	21.83	0.00	3,607.50
MW - 1	03/13/12	3,629.33	-	21.90	0.00	3,607.43
MW - 1	03/15/12	3,629.33	-	21.80	0.00	3,607.53
MW - 1	03/20/12	3,629.33	-	21.80	0.00	3,607.53
MW - 1	03/22/12	3,629.33	-	21.71	0.00	3,607.62
MW - 1	03/27/12	3,629.33	-	21.69	0.00	3,607.64
MW - 1	03/29/12	3,629.33	-	21.70	0.00	3,607.63
MW - 1	04/02/12	3,629.33	-	21.67	0.00	3,607.66
MW - 1	04/09/12	3,629.33	-	21.71	0.00	3,607.62
MW - 1	04/12/12	3,629.33	-	21.72	0.00	3,607.61
MW - 1	04/17/12	3,629.33	-	21.83	0.00	3,607.50
MW - 1	04/19/12	3,629.33	-	21.69	0.00	3,607.64
MW - 1	04/23/12	3,629.33	-	21.75	0.00	3,607.58
MW - 1	04/26/12	3,629.33	-	21.71	0.00	3,607.62
MW - 1	05/21/12	3,629.33	-	21.76	0.00	3,607.57
MW - 1	06/06/12	3,629.33	-	21.60	0.00	3,607.73
MW - 1	06/11/12	3,629.33	-	21.61	0.00	3,607.72
MW - 1	06/18/12	3,629.33	-	21.61	0.00	3,607.72
MW - 1	06/25/12	3,629.33	-	21.73	0.00	3,607.60
MW - 1	07/02/12	3,629.33	-	21.62	0.00	3,607.71
MW - 1	07/09/12	3,629.33	-	27.77	0.00	3,601.56
MW - 1	07/16/12	3,629.33	-	21.69	0.00	3,607.64
MW - 1	08/01/12	3,629.33	-	21.71	0.00	3,607.62
MW - 1	08/14/12	3,629.33	-	21.73	0.00	3,607.60
MW - 1	08/21/12	3,629.33	-	21.78	0.00	3,607.55
MW - 1	09/04/12	3,629.33	-	21.74	0.00	3,607.59
MW - 1	09/10/12	3,629.33	-	21.80	0.00	3,607.53

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	09/19/12	3,629.33	-	21.77	0.00	3,607.56
MW - 1	09/24/12	3,629.33	-	21.66	0.00	3,607.67
MW - 1	10/01/12	3,629.33	-	21.68	0.00	3,607.65
MW - 1	10/08/12	3,629.33	-	21.63	0.00	3,607.70
MW - 1	10/15/12	3,629.33	-	21.64	0.00	3,607.69
MW - 1	10/22/12	3,629.33	-	21.76	0.00	3,607.57
MW - 1	10/29/12	3,629.33	-	21.80	0.00	3,607.53
MW - 1	11/06/12	3,629.33	-	21.68	0.00	3,607.65
MW - 1	12/04/12	3,629.33	-	21.74	0.00	3,607.59
MW - 1	12/10/12	3,629.33	-	21.76	0.00	3,607.57
MW - 1	12/17/12	3,629.33	-	21.70	0.00	3,607.63
MW - 1	12/27/12	3,629.33	-	21.82	0.00	3,607.51
MW - 1	01/14/13	3,629.33	-	21.83	0.00	3,607.50
MW - 1	02/04/13	3,629.33	-	21.79	0.00	3,607.54
MW - 1	02/05/13	3,629.33	-	21.82	0.00	3,607.51
MW - 1	02/20/13	3,629.33	-	21.83	0.00	3,607.50
MW - 1	03/04/13	3,629.33	-	21.96	0.00	3,607.37
MW - 1	03/26/13	3,629.33	-	21.78	0.00	3,607.55
MW - 1	04/10/13	3,629.33	-	21.99	0.00	3,607.34
MW - 1	04/17/13	3,629.33	-	21.95	0.00	3,607.38
MW - 1	04/24/13	3,629.33	-	21.87	0.00	3,607.46
MW - 1	05/02/13	3,629.33	-	21.86	0.00	3,607.47
MW - 1	05/09/13	3,629.33	-	21.87	0.00	3,607.46
MW - 1	05/17/13	3,629.33	-	21.81	0.00	3,607.52
MW - 1	05/22/13	3,629.33	-	21.79	0.00	3,607.54
MW - 1	05/29/13	3,629.33	-	21.77	0.00	3,607.56
MW - 1	06/03/13	3,629.33	-	21.79	0.00	3,607.54
MW - 1	06/20/13	3,629.33	-	21.67	0.00	3,607.66
MW - 1	06/25/13	3,629.33	-	21.69	0.00	3,607.64
MW - 1	07/02/13	3,629.33	-	21.89	0.00	3,607.44
MW - 1	07/09/13	3,629.33	-	21.87	0.00	3,607.46
MW - 1	07/16/13	3,629.33	-	21.85	0.00	3,607.48
MW - 1	07/24/13	3,629.33	-	21.81	0.00	3,607.52
MW - 1	07/31/13	3,629.33	-	21.80	0.00	3,607.53
MW - 1	08/01/13	3,629.33	-	21.73	0.00	3,607.60
MW - 1	08/06/13	3,629.33	-	21.71	0.00	3,607.62
MW - 1	08/07/13	3,629.33	-	21.66	0.00	3,607.67
MW - 1	08/16/13	3,629.33	-	21.69	0.00	3,607.64
MW - 1	08/27/13	3,629.33	-	21.63	0.00	3,607.70

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	09/12/13	3,629.33	-	21.64	0.00	3,607.69
MW - 1	09/19/13	3,629.33	-	22.10	0.00	3,607.23
MW - 1	09/25/13	3,629.33	-	22.05	0.00	3,607.28
MW - 1	09/30/13	3,629.33	-	22.07	0.00	3,607.26
MW - 1	10/09/13	3,629.33	-	21.99	0.00	3,607.34
MW - 1	10/14/13	3,629.33	-	21.78	0.00	3,607.55
MW - 1	10/22/13	3,629.33	-	21.72	0.00	3,607.61
MW - 1	10/30/13	3,629.33	-	22.03	0.00	3,607.30
MW - 1	11/07/13	3,629.33	-	22.00	0.00	3,607.33
MW - 1	11/27/13	3,629.33	-	21.86	0.00	3,607.47
MW - 1	12/04/13	3,629.33	-	21.79	0.00	3,607.54
MW - 1	12/10/13	3,629.33	-	21.76	0.00	3,607.57
MW - 1	12/16/13	3,629.33	-	21.62	0.00	3,607.71
MW - 1	12/24/13	3,629.33	-	21.75	0.00	3,607.58
MW - 1	01/06/14	3,629.33	-	21.81	0.00	3,607.52
MW - 1	01/16/14	3,629.33	-	21.78	0.00	3,607.55
MW - 1	01/21/14	3,629.33	-	21.75	0.00	3,607.58
MW - 1	02/11/14	3,629.33	-	21.76	0.00	3,607.57
MW - 1	02/17/14	3,629.33	-	21.73	0.00	3,607.60
MW - 1	02/27/14	3,629.33	-	21.76	0.00	3,607.57
MW - 1	03/25/14	3,629.33	-	21.82	0.00	3,607.51
MW - 1	04/01/14	3,629.33	-	21.73	0.00	3,607.60
MW - 1	04/08/14	3,629.33	-	21.78	0.00	3,607.55
MW - 1	04/15/14	3,629.33	-	21.62	0.00	3,607.71
MW - 1	04/29/14	3,629.33	-	21.63	0.00	3,607.70
MW - 1	05/06/14	3,629.33	-	21.63	0.00	3,607.70
MW - 1	05/07/14	3,629.33	-	21.63	0.00	3,607.70
MW - 1	05/12/14	3,629.33	-	21.66	0.00	3,607.67
MW - 1	05/19/14	3,629.33	-	21.62	0.00	3,607.71
MW - 1	05/27/14	3,629.33	-	21.64	0.00	3,607.69
MW - 1	06/03/14	3,629.33	-	21.65	0.00	3,607.68
MW - 1	06/09/14	3,629.33	-	21.67	0.00	3,607.66
MW - 1	06/23/14	3,629.33	-	21.67	0.00	3,607.66
MW - 1	07/07/14	3,629.33	-	21.65	0.00	3,607.68
MW - 1	07/23/14	3,629.33	-	21.68	0.00	3,607.65
MW - 1	07/28/14	3,629.33	-	21.68	0.00	3,607.65
MW - 1	08/26/14	3,629.33	-	21.65	0.00	3,607.68
MW - 1	09/06/14	3,629.33	-	21.66	0.00	3,607.67
MW - 1	10/15/14	3,629.33	-	20.53	0.00	3,608.80

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	11/12/14	3,629.33	-	20.92	0.00	3,608.41
MW - 1	01/09/15	3,629.33	-	21.34	0.00	3,607.99
MW - 1	01/26/15	3,629.33	-	21.36	0.00	3,607.97
MW - 1	02/25/15	3,629.33	-	21.40	0.00	3,607.93
MW - 1	03/10/15	3,629.33	-	21.43	0.00	3,607.90
MW - 1	05/19/15	3,629.33	-	21.43	0.00	3,607.90
MW - 1	07/10/15	3,629.33	-	21.49	0.00	3,607.84
MW - 1	08/06/15	3,629.33	-	21.48	0.00	3,607.85
MW - 1	09/08/15	3,629.33	-	22.02	0.00	3,607.31
MW - 1	09/17/15	3,629.33	-	21.99	0.00	3,607.34
MW - 1	09/23/15	3,629.33	-	22.01	0.00	3,607.32
MW - 1	09/29/15	3,629.33	-	21.97	0.00	3,607.36
MW - 1	10/01/15	3,629.33	-	21.61	0.00	3,607.72
MW - 1	10/07/15	3,629.33	-	21.66	0.00	3,607.67
MW - 1	10/14/15	3,629.33	-	21.73	0.00	3,607.60
MW - 1	11/04/15	3,629.33	-	21.71	0.00	3,607.62
MW - 1	11/12/15	3,629.33	-	21.72	0.00	3,607.61
MW - 1	12/02/15	3,629.33	-	21.86	0.00	3,607.47
MW - 1	12/08/15	3,629.33	-	21.83	0.00	3,607.50
MW - 1	12/10/15	3,629.33	-	21.60	0.00	3,607.73
MW - 1	12/14/15	3,629.33	-	21.63	0.00	3,607.70
MW - 1	12/21/15	3,629.33	-	21.59	0.00	3,607.74
MW - 1	01/11/16	3,629.33	-	21.54	0.00	3,607.79
MW - 1	01/13/16	3,629.33	-	21.53	0.00	3,607.80
MW - 1	01/22/16	3,629.33	-	21.56	0.00	3,607.77
MW - 1	01/25/16	3,629.33	-	21.56	0.00	3,607.77
MW - 1	02/05/16	3,629.33	-	21.56	0.00	3,607.77
MW - 1	02/08/16	3,629.33	-	21.56	0.00	3,607.77
MW - 1	02/10/16	3,629.33	-	21.55	0.00	3,607.78
MW - 1	02/17/16	3,629.33	-	21.53	0.00	3,607.80
MW - 1	02/24/16	3,629.33	-	21.56	0.00	3,607.77
MW - 1	03/01/16	3,629.33	-	21.59	0.00	3,607.74
MW - 1	03/08/16	3,629.33	-	22.12	0.00	3,607.21
MW - 1	03/11/16	3,629.33	-	22.18	0.00	3,607.15
MW - 1	03/15/16	3,629.33	-	22.08	0.00	3,607.25
MW - 1	03/24/16	3,629.33	-	21.89	0.00	3,607.44
MW - 1	03/30/16	3,629.33	-	21.80	0.00	3,607.53
MW - 1	04/07/16	3,629.33	-	22.04	0.00	3,607.29
MW - 1	04/12/16	3,629.33	-	22.12	0.00	3,607.21

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	04/18/16	3,629.33	-	21.98	0.00	3,607.35
MW - 1	04/25/16	3,629.33	-	21.79	0.00	3,607.54
MW - 1	05/03/16	3,629.33	-	21.81	0.00	3,607.52
MW - 1	05/12/16	3,629.33	-	21.89	0.00	3,607.44
MW - 1	05/16/16	3,629.33	-	21.92	0.00	3,607.41
MW - 1	05/26/16	3,629.33	-	22.09	0.00	3,607.24
MW - 1	06/08/16	3,629.33	-	21.94	0.00	3,607.39
MW - 1	06/15/16	3,629.33	-	21.94	0.00	3,607.39
MW - 1	06/20/16	3,629.33	-	22.00	0.00	3,607.33
MW - 1	06/29/16	3,629.33	-	21.77	0.00	3,607.56
MW - 1	07/07/16	3,629.33	-	21.84	0.00	3,607.49
MW - 1	07/11/16	3,629.33	-	21.74	0.00	3,607.59
MW - 1	07/19/16	3,629.33	-	21.86	0.00	3,607.47
MW - 1	07/25/16	3,629.33	-	21.74	0.00	3,607.59
MW - 1	08/01/16	3,629.33	-	21.77	0.00	3,607.56
MW - 1	08/11/16	3,629.33	-	21.83	0.00	3,607.50
MW - 1	08/15/16	3,629.33	-	21.90	0.00	3,607.43
MW - 1	08/29/16	3,629.33	-	21.84	0.00	3,607.49
MW - 1	09/07/16	3,629.33	-	21.59	0.00	3,607.74
MW - 1	09/13/16	3,629.33	-	21.61	0.00	3,607.72
MW - 1	09/21/16	3,629.33	-	21.62	0.00	3,607.71
MW - 1	09/28/16	3,629.33	-	21.62	0.00	3,607.71
MW - 1	10/04/16	3,629.33	-	21.42	0.00	3,607.91
MW - 1	10/18/16	3,629.33	-	21.49	0.00	3,607.84
MW - 1	10/25/16	3,629.33	-	21.51	0.00	3,607.82
MW - 1	11/01/16	3,629.33	-	21.52	0.00	3,607.81
MW - 1	11/10/16	3,629.33	-	21.53	0.00	3,607.80
MW - 1	11/18/16	3,629.33	-	21.56	0.00	3,607.77
MW - 1	11/23/16	3,629.33	-	21.55	0.00	3,607.78
MW - 1	12/07/16	3,629.33	-	22.55	0.00	3,606.78
MW - 1	12/15/16	3,629.33	-	21.84	0.00	3,607.49
MW - 1	12/21/16	3,629.33	-	21.73	0.00	3,607.60
MW - 1	12/27/16	3,629.33	-	21.75	0.00	3,607.58
MW - 1	01/04/17	3,629.33	-	21.76	0.00	3,607.57
MW - 1	01/09/17	3,629.33	-	22.01	0.00	3,607.32
MW - 1	01/17/17	3,629.33	-	21.65	0.00	3,607.68
MW - 1	01/23/17	3,629.33	-	22.06	0.00	3,607.27
MW - 1	02/01/17	3,629.33	-	22.05	0.00	3,607.28
MW - 1	02/06/17	3,629.33	-	21.64	0.00	3,607.69

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	02/15/17	3,629.33	-	21.65	0.00	3,607.68
MW - 1	02/20/17	3,629.33	-	21.68	0.00	3,607.65
MW - 1	02/28/17	3,629.33	-	21.60	0.00	3,607.73
MW - 1	03/08/17	3,629.33	-	21.53	0.00	3,607.80
MW - 1	03/13/17	3,629.33	-	21.56	0.00	3,607.77
MW - 1	03/20/17	3,629.33	-	21.90	0.00	3,607.43
MW - 1	03/27/17	3,629.33	-	22.10	0.00	3,607.23
MW - 1	04/05/17	3,629.33	-	21.96	0.00	3,607.37
MW - 1	04/10/17	3,629.33	-	21.89	0.00	3,607.44
MW - 1	04/17/17	3,629.33	-	22.02	0.00	3,607.31
MW - 1	04/24/17	3,629.33	-	22.00	0.00	3,607.33
MW - 1	05/01/17	3,629.33	-	21.78	0.00	3,607.55
MW - 1	05/08/17	3,629.33	-	21.80	0.00	3,607.53
MW - 1	05/15/17	3,629.33	-	21.82	0.00	3,607.51
MW - 1	05/26/17	3,629.33	-	21.83	0.00	3,607.50
MW - 1	06/02/17	3,629.33	-	21.87	0.00	3,607.46
MW - 1	06/09/17	3,629.33	-	21.69	0.00	3,607.64
MW - 1	06/13/17	3,629.33	-	21.58	0.00	3,607.75
MW - 1	06/19/17	3,629.33	-	21.94	0.00	3,607.39
MW - 1	06/28/17	3,629.33	-	21.83	0.00	3,607.50
MW - 1	07/03/17	3,629.33	-	21.87	0.00	3,607.46
MW - 1	07/10/17	3,629.33	-	22.09	0.00	3,607.24
MW - 1	07/11/17	3,629.33	-	21.90	0.00	3,607.43
MW - 1	07/17/17	3,629.33	-	22.09	0.00	3,607.24
MW - 1	07/24/17	3,629.33	-	22.06	0.00	3,607.27
MW - 1	08/03/17	3,629.33	-	21.80	0.00	3,607.53
MW - 1	08/10/17	3,629.33	-	22.07	0.00	3,607.26
MW - 1	08/16/17	3,629.33	-	21.99	0.00	3,607.34
MW - 1	08/28/17	3,629.33	-	21.74	0.00	3,607.59
MW - 1	09/06/17	3,629.33	-	21.73	0.00	3,607.60
MW - 1	09/12/17	3,629.33	-	21.66	0.00	3,607.67
MW - 1	09/19/17	3,629.33	-	21.69	0.00	3,607.64
MW - 1	10/04/17	3,629.33	-	21.70	0.00	3,607.63
MW - 1	10/09/17	3,629.33	-	21.73	0.00	3,607.60
MW - 1	10/16/17	3,629.33	-	21.58	0.00	3,607.75
MW - 1	10/24/17	3,629.33	-	21.50	0.00	3,607.83
MW - 1	11/01/17	3,629.33	-	21.50	0.00	3,607.83
MW - 1	11/17/17	3,629.33	-	21.51	0.00	3,607.82
MW - 1	11/22/17	3,629.33	-	21.55	0.00	3,607.78

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	11/30/17	3,629.33	-	21.82	0.00	3,607.51
MW - 1	12/06/17	3,629.33	-	21.81	0.00	3,607.52
MW - 1	12/22/17	3,629.33	-	22.02	0.00	3,607.31
MW - 1	01/08/18	3,629.33	-	21.67	0.00	3,607.66
MW - 1	01/17/18	3,629.33	-	21.64	0.00	3,607.69
MW - 1	01/23/18	3,629.33	-	21.88	0.00	3,607.45
MW - 1	01/30/18	3,629.33	-	22.02	0.00	3,607.31
MW - 1	02/05/18	3,629.33	-	22.04	0.00	3,607.29
MW - 1	02/12/18	3,629.33	-	21.72	0.00	3,607.61
MW - 1	02/19/18	3,629.33	-	21.99	0.00	3,607.34
MW - 1	03/01/18	3,629.33	-	22.00	0.00	3,607.33
MW - 1	03/06/18	3,629.33	-	21.92	0.00	3,607.41
MW - 1	03/20/18	3,629.33	-	21.99	0.00	3,607.34
MW - 1	03/26/18	3,629.33	-	21.85	0.00	3,607.48
MW - 1	04/10/18	3,629.33	-	21.91	0.00	3,607.42
MW - 1	04/23/18	3,629.33	-	21.88	0.00	3,607.45
MW - 1	05/02/18	3,629.33	-	21.79	0.00	3,607.54
MW - 1	05/15/18	3,629.33	-	21.66	0.00	3,607.67
MW - 1	05/23/18	3,629.33	-	21.59	0.00	3,607.74
MW - 1	06/07/18	3,629.33	-	21.96	0.00	3,607.37
MW - 1	06/20/18	3,629.33	-	22.10	0.00	3,607.23
MW - 1	06/29/18	3,629.33	-	22.12	0.00	3,607.21
MW - 1	07/03/18	3,629.33	-	27.05	0.00	3,602.28
MW - 1	07/13/18	3,629.33	-	22.05	0.00	3,607.28
MW - 1	07/17/18	3,629.33	-	22.91	0.00	3,606.42
MW - 1	07/27/18	3,629.33	-	22.10	0.00	3,607.23
MW - 1	08/01/18	3,629.33	-	22.12	0.00	3,607.21
MW - 1	08/14/18	3,629.33	-	22.12	0.00	3,607.21
MW - 1	08/24/18	3,629.33	-	22.13	0.00	3,607.20
MW - 1	09/05/18	3,629.33	-	22.17	0.00	3,607.16
MW - 1	09/12/18	3,629.33	-	21.82	0.00	3,607.51
MW - 1	09/17/18	3,629.33	-	22.06	0.00	3,607.27
MW - 1	09/26/18	3,629.33	-	21.91	0.00	3,607.42
MW - 1	10/02/18	3,629.33	-	21.85	0.00	3,607.48
MW - 1	10/12/18	3,629.33	-	21.75	0.00	3,607.58
MW - 1	10/16/18	3,629.33	-	22.02	0.00	3,607.31
MW - 1	10/23/18	3,629.33	-	21.88	0.00	3,607.45
MW - 1	11/14/18	3,629.33	-	21.62	0.00	3,607.71
MW - 1	12/10/18	3,629.33	-	21.51	0.00	3,607.82

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	12/26/18	3,629.33	-	21.52	0.00	3,607.81
MW - 1	01/10/19	3,629.33	-	21.53	0.00	3,607.80
MW - 1	01/23/19	3,629.33	-	21.57	0.00	3,607.76
MW - 1	02/11/19	3,629.33	-	21.55	0.00	3,607.78
MW - 1	03/14/19	3,629.33	-	21.86	0.00	3,607.47
MW - 1	03/28/19	3,629.33	-	21.79	0.00	3,607.54
MW - 1	04/10/19	3,629.33	-	22.04	0.00	3,607.29
MW - 1	04/25/19	3,629.33	-	21.81	0.00	3,607.52
MW - 1	05/07/19	3,629.33	-	22.01	0.00	3,607.32
MW - 1	05/24/19	3,629.33	-	22.10	0.00	3,607.23
MW - 1	06/14/19	3,629.33	-	21.68	0.00	3,607.65
MW - 1	06/26/19	3,629.33	-	21.68	0.00	3,607.65
MW - 1	07/30/19	3,629.33	-	21.68	0.00	3,607.65
MW - 1	08/19/19	3,629.33	-	21.70	0.00	3,607.63
MW - 1	09/16/19	3,629.33	-	21.67	0.00	3,607.66
MW - 1	11/18/19	3,629.33	-	21.67	0.00	3,607.66
MW - 1	12/27/19	3,629.33	-	21.64	0.00	3,607.69
MW - 1	01/20/20	3,629.33	-	21.66	0.00	3,607.67
MW - 1	02/12/20	3,629.33	-	21.70	0.00	3,607.63
MW - 1	05/12/20	3,629.33	-	21.67	0.00	3,607.66
MW - 1	06/04/20	3,629.33	-	21.70	0.00	3,607.63
MW - 1	07/31/20	3,629.33	-	21.78	0.00	3,607.55
MW - 1	08/17/20	3,629.33	-	21.74	0.00	3,607.59
MW - 1	09/08/20	3,629.33	-	21.86	0.00	3,607.47
MW - 1	10/07/20	3,629.33	-	21.85	0.00	3,607.48
MW - 1	10/28/20	3,629.33	-	21.69	0.00	3,607.64
MW - 1	11/18/20	3,629.33	-	21.63	0.00	3,607.70
MW - 1	12/22/20	3,629.33	-	21.76	0.00	3,607.57
MW - 1	01/18/21	3,629.33	-	21.80	0.00	3,607.53
MW - 1	02/03/21	3,629.33	-	21.75	0.00	3,607.58
MW - 1	02/08/21	3,629.33	-	21.62	0.00	3,607.71
MW - 1	03/03/21	3,629.33	-	21.63	0.00	3,607.70
MW - 1	04/14/21	3,629.33	-	21.71	0.00	3,607.62
MW - 1	04/26/21	3,629.33	-	21.64	0.00	3,607.69
MW - 1	05/18/21	3,629.33	-	21.63	0.00	3,607.70
MW - 1	06/08/21	3,629.33	-	21.65	0.00	3,607.68
MW - 1	07/14/21	3,629.33	-	21.58	0.00	3,607.75
MW - 1	08/16/21	3,629.33	-	21.61	0.00	3,607.72
MW - 1	10/11/21	3,629.33	-	21.56	0.00	3,607.77

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	11/29/21	3,629.33	-	21.59	0.00	3,607.74
MW - 1	01/10/22	3,629.33	-	21.62	0.00	3,607.71
MW - 1	02/28/22	3,629.33	-	21.62	0.00	3,607.71
MW - 1	04/15/22	3,629.33	-	21.63	0.00	3,607.70
MW - 1	06/07/22	3,629.33	-	21.67	0.00	3,607.66
MW - 1	08/31/22	3,629.33	-	21.63	0.00	3,607.70
MW - 1	11/03/22	3,629.33	-	21.62	0.00	3,607.71
MW - 2	05/02/97	3,629.66	-	25.52	3.42	3,604.14
MW - 2	08/15/97	3,629.66	-	27.32	0.00	3,602.34
MW - 2	10/23/97	3,629.66	-	27.48	0.00	3,602.18
MW - 2	11/01/97	3,629.66	-	27.49	0.00	3,602.17
MW - 2	12/03/97	3,629.66	-	27.52	0.00	3,602.14
MW - 2	12/09/97	3,629.66	-	25.94	0.00	3,603.72
MW - 2	12/17/97	3,629.66	-	25.54	0.00	3,604.12
MW - 2	01/02/98	3,629.66	-	25.80	0.00	3,603.86
MW - 2	01/07/98	3,629.66	-	24.99	0.00	3,604.67
MW - 2	01/15/98	3,629.66	-	25.04	0.00	3,604.62
MW - 2	01/20/98	3,629.66	-	23.97	0.00	3,605.69
MW - 2	01/30/98	3,629.66	-	25.03	0.00	3,604.63
MW - 2	02/06/98	3,629.43	-	24.73	0.00	3,604.70
MW - 2	02/13/98	3,629.43	-	24.72	0.00	3,604.71
MW - 2	02/21/98	3,629.43	-	24.53	0.00	3,604.90
MW - 2	02/25/98	3,629.43	-	24.42	0.00	3,605.01
MW - 2	03/04/98	3,629.43	-	24.62	0.00	3,604.81
MW - 2	03/13/98	3,629.43	-	24.79	0.00	3,604.64
MW - 2	03/17/98	3,629.43	-	24.41	0.00	3,605.02
MW - 2	03/24/98	3,629.43	-	24.60	0.00	3,604.83
MW - 2	03/06/00	3,629.43	21.93	27.48	5.55	3,606.67
MW - 2	05/16/00	3,629.43	21.97	27.49	5.52	3,606.63
MW - 2	08/31/00	3,629.43	21.96	27.51	5.55	3,606.64
MW - 2	11/17/00	3,629.43	20.35	26.82	6.47	3,608.11
MW - 2	03/07/01	3,629.43	22.18	25.11	2.93	3,606.81
MW - 2	05/30/01	3,629.43	22.25	24.80	2.55	3,606.80
MW - 2	08/27/01	3,629.43	21.87	24.83	2.96	3,607.12
MW - 2	10/12/01	3,629.43	22.21	25.23	3.02	3,606.77
MW - 2	02/25/02	3,629.43	21.99	26.90	4.91	3,606.70
MW - 2	03/18/02	3,629.43	21.96	26.96	5.00	3,606.72
MW - 2	03/28/02	3,629.43	22.16	26.61	4.45	3,606.60

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	04/03/02	3,629.43	22.20	24.92	2.72	3,606.82
MW - 2	04/12/02	3,629.43	22.18	25.12	2.94	3,606.81
MW - 2	04/16/02	3,629.43	22.26	24.59	2.33	3,606.82
MW - 2	05/03/02	3,629.43	22.12	25.55	3.43	3,606.80
MW - 2	05/10/02	3,629.43	22.17	25.43	3.26	3,606.77
MW - 2	05/13/02	3,629.43	22.27	25.00	2.73	3,606.75
MW - 2	05/24/02	3,629.43	22.18	25.75	3.57	3,606.71
MW - 2	06/10/02	3,629.43	21.91	26.73	4.82	3,606.80
MW - 2	06/19/02	3,629.43	22.18	26.47	4.29	3,606.61
MW - 2	07/03/02	3,629.43	22.19	25.90	3.71	3,606.68
MW - 2	07/11/02	3,629.43	22.11	26.21	4.10	3,606.71
MW - 2	07/16/02	3,629.43	22.22	25.30	3.08	3,606.75
MW - 2	08/21/02	3,629.43	22.11	26.18	4.07	3,606.71
MW - 2	08/27/02	3,629.43	22.09	26.19	4.10	3,606.73
MW - 2	09/05/02	3,629.43	22.22	25.29	3.07	3,606.75
MW - 2	09/10/02	3,629.43	22.35	24.70	2.35	3,606.73
MW - 2	10/03/02	3,629.43	22.34	24.53	2.19	3,606.76
MW - 2	10/08/02	3,629.43	22.29	24.58	2.29	3,606.80
MW - 2	10/14/02	3,629.43	22.24	24.99	2.75	3,606.78
MW - 2	11/15/02	3,629.43	22.22	25.29	3.07	3,606.75
MW - 2	12/27/02	3,629.43	22.05	26.18	4.13	3,606.76
MW - 2	01/07/03	3,629.43	22.14	25.55	3.41	3,606.78
MW - 2	03/05/03	3,629.43	22.05	26.51	4.46	3,606.71
MW - 2	03/06/03	3,629.43	22.26	25.03	2.77	3,606.75
MW - 2	03/12/03	3,629.43	22.14	25.76	3.62	3,606.75
MW - 2	03/20/03	3,629.43	22.46	24.60	2.14	3,606.65
MW - 2	03/27/03	3,629.43	22.19	25.26	3.07	3,606.78
MW - 2	04/03/03	3,629.43	22.21	25.05	2.84	3,606.79
MW - 2	04/16/03	3,629.43	22.16	24.56	2.40	3,606.91
MW - 2	05/13/03	3,629.43	22.30	24.78	2.48	3,606.76
MW - 2	05/15/03	3,629.43	22.36	26.09	3.73	3,606.51
MW - 2	05/21/03	3,629.43	22.21	25.98	3.77	3,606.65
MW - 2	05/28/03	3,629.43	22.30	25.49	3.19	3,606.65
MW - 2	06/05/03	3,629.43	22.23	25.32	3.09	3,606.74
MW - 2	07/10/03	3,629.43	22.30	26.13	3.83	3,606.56
MW - 2	07/31/03	3,629.43	22.15	26.08	3.93	3,606.69
MW - 2	08/06/03	3,629.43	22.47	25.56	3.09	3,606.50
MW - 2	08/13/03	3,629.43	22.57	25.55	2.98	3,606.41
MW - 2	08/22/03	3,629.43	22.25	26.30	4.05	3,606.57

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	08/25/03	3,629.43	22.52	25.62	3.10	3,606.45
MW - 2	09/11/03	3,629.43	22.62	24.31	1.69	3,606.56
MW - 2	09/30/03	3,629.43	22.11	26.40	4.29	3,606.68
MW - 2	10/06/03	3,629.43	22.24	25.35	3.11	3,606.72
MW - 2	10/14/03	3,629.43	22.47	26.23	3.76	3,606.40
MW - 2	10/21/03	3,629.43	22.55	25.61	3.06	3,606.42
MW - 2	10/27/03	3,629.43	22.57	25.34	2.77	3,606.44
MW - 2	11/06/03	3,629.43	22.35	25.33	2.98	3,606.63
MW - 2	11/10/03	3,629.43	22.72	25.20	2.48	3,606.34
MW - 2	11/17/03	3,629.43	22.35	25.13	2.78	3,606.66
MW - 2	12/04/03	3,629.43	22.24	26.02	3.78	3,606.62
MW - 2	12/15/03	3,629.43	22.13	25.52	3.39	3,606.79
MW - 2	12/22/03	3,629.43	22.12	25.84	3.72	3,606.75
MW - 2	12/31/03	3,629.43	22.09	26.07	3.98	3,606.74
MW - 2	01/27/04	3,629.43	22.41	25.21	2.80	3,606.60
MW - 2	02/03/04	3,629.43	22.32	25.19	2.87	3,606.68
MW - 2	02/10/04	3,629.43	22.05	26.44	4.39	3,606.72
MW - 2	02/18/04	3,629.43	22.03	26.86	4.83	3,606.68
MW - 2	02/26/04	3,629.43	22.34	25.89	3.55	3,606.56
MW - 2	03/04/04	3,629.43	22.26	26.27	4.01	3,606.57
MW - 2	03/11/04	3,629.43	22.31	26.45	4.14	3,606.50
MW - 2	03/16/04	3,629.43	22.61	26.85	4.24	3,606.18
MW - 2	03/19/04	3,629.43	23.10	25.42	2.32	3,605.98
MW - 2	03/23/04	3,629.43	23.15	25.38	2.23	3,605.95
MW - 2	03/30/04	3,629.43	22.47	26.75	4.28	3,606.32
MW - 2	04/07/04	3,629.43	22.69	25.71	3.02	3,606.29
MW - 2	04/13/04	3,629.43	22.70	26.17	3.47	3,606.21
MW - 2	04/20/04	3,629.43	22.08	25.80	3.72	3,606.79
MW - 2	04/27/04	3,629.43	21.14	25.23	4.09	3,607.68
MW - 2	05/25/04	3,629.43	22.08	25.79	3.71	3,606.79
MW - 2	06/03/04	3,629.43	22.06	25.94	3.88	3,606.79
MW - 2	06/17/04	3,629.43	22.06	26.16	4.10	3,606.76
MW - 2	06/23/04	3,629.43	22.05	26.22	4.17	3,606.75
MW - 2	06/25/04	3,629.43	22.08	26.25	4.17	3,606.72
MW - 2	07/01/04	3,629.43	22.11	26.08	3.97	3,606.72
MW - 2	07/12/04	3,629.43	22.03	26.37	4.34	3,606.75
MW - 2	07/15/04	3,629.43	22.02	26.39	4.37	3,606.75
MW - 2	07/21/04	3,629.43	22.03	26.43	4.40	3,606.74
MW - 2	08/02/04	3,629.43	22.01	26.49	4.48	3,606.75

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	08/11/04	3,629.43	22.03	26.51	4.48	3,606.73
MW - 2	08/13/04	3,629.43	22.05	26.49	4.44	3,606.71
MW - 2	08/16/04	3,629.43	22.02	26.58	4.56	3,606.73
MW - 2	08/19/04	3,629.43	22.05	26.60	4.55	3,606.70
MW - 2	08/26/04	3,629.43	22.16	25.70	3.54	3,606.74
MW - 2	08/31/04	3,629.43	22.26	25.15	2.89	3,606.74
MW - 2	09/13/04	3,629.43	22.25	25.17	2.92	3,606.74
MW - 2	09/21/04	3,629.43	22.28	25.10	2.82	3,606.73
MW - 2	09/29/04	3,629.43	21.22	24.03	2.81	3,607.79
MW - 2	10/05/04	3,629.43	21.52	24.86	3.34	3,607.41
MW - 2	10/12/04	3,629.43	21.39	25.30	3.91	3,607.45
MW - 2	10/19/04	3,629.43	21.63	24.85	3.22	3,607.32
MW - 2	10/25/04	3,629.43	21.75	24.55	2.80	3,607.26
MW - 2	11/01/04	3,629.43	21.97	24.50	2.53	3,607.08
MW - 2	11/09/04	3,629.43	21.80	24.11	2.31	3,607.28
MW - 2	11/16/04	3,629.43	22.22	24.45	2.23	3,606.88
MW - 2	11/22/04	3,629.43	21.67	23.93	2.26	3,607.42
MW - 2	11/29/04	3,629.43	21.79	23.99	2.20	3,607.31
MW - 2	12/10/04	3,629.43	21.32	24.30	2.98	3,607.66
MW - 2	12/13/04	3,629.43	21.32	24.30	2.98	3,607.66
MW - 2	12/20/04	3,629.43	21.47	25.00	3.53	3,607.43
MW - 2	12/27/04	3,629.43	21.56	24.45	2.89	3,607.44
MW - 2	01/10/05	3,629.43	21.41	24.67	3.26	3,607.53
MW - 2	01/17/05	3,629.43	21.72	24.76	3.04	3,607.25
MW - 2	01/24/05	3,629.43	21.73	24.78	3.05	3,607.24
MW - 2	01/31/05	3,629.43	21.80	24.62	2.82	3,607.21
MW - 2	02/07/05	3,629.43	21.84	24.56	2.72	3,607.18
MW - 2	02/14/05	3,629.43	21.89	24.50	2.61	3,607.15
MW - 2	02/21/05	3,629.43	21.93	24.45	2.52	3,607.12
MW - 2	02/28/05	3,629.43	21.95	24.42	2.47	3,607.11
MW - 2	03/07/05	3,629.43	22.00	24.47	2.47	3,607.06
MW - 2	03/14/05	3,629.43	21.97	24.45	2.48	3,607.09
MW - 2	03/16/05	3,629.43	21.88	24.30	2.42	3,607.19
MW - 2	03/21/05	3,629.43	21.98	24.40	2.42	3,607.09
MW - 2	03/28/05	3,629.43	21.93	24.83	2.90	3,607.07
MW - 2	04/04/05	3,629.43	21.95	24.66	2.71	3,607.07
MW - 2	04/13/05	3,629.43	22.03	24.41	2.38	3,607.04
MW - 2	04/18/05	3,629.43	22.00	24.25	2.25	3,607.09
MW - 2	05/23/05	3,629.43	22.00	24.81	2.81	3,607.01

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	06/02/05	3,629.43	22.09	24.80	2.71	3,606.93
MW - 2	06/07/05	3,629.43	21.98	24.99	3.01	3,607.00
MW - 2	06/13/05	3,629.43	22.05	24.47	2.42	3,607.02
MW - 2	06/14/05	3,629.43	22.05	24.47	2.42	3,607.02
MW - 2	06/21/05	3,629.43	22.04	24.95	2.91	3,606.95
MW - 2	06/28/05	3,629.43	22.06	24.60	2.54	3,606.99
MW - 2	07/13/05	3,629.43	22.13	24.41	2.28	3,606.96
MW - 2	07/19/05	3,629.43	22.10	24.30	2.20	3,607.00
MW - 2	07/26/05	3,629.43	22.10	24.80	2.70	3,606.93
MW - 2	08/01/05	3,629.43	22.15	24.47	2.32	3,606.93
MW - 2	08/10/05	3,629.43	22.13	24.56	2.43	3,606.94
MW - 2	08/15/05	3,629.43	22.14	24.31	2.17	3,606.96
MW - 2	08/24/05	3,629.43	22.12	24.53	2.41	3,606.95
MW - 2	08/30/05	3,629.43	22.12	24.35	2.23	3,606.98
MW - 2	09/07/05	3,629.43	22.10	24.48	2.38	3,606.97
MW - 2	09/12/05	3,629.43	22.11	24.21	2.10	3,607.01
MW - 2	09/13/05	3,629.43	22.12	24.34	2.22	3,606.98
MW - 2	09/20/05	3,629.43	22.16	24.40	2.24	3,606.93
MW - 2	09/26/05	3,629.43	22.10	24.84	2.74	3,606.92
MW - 2	10/07/05	3,629.43	22.10	24.80	2.70	3,606.93
MW - 2	10/11/05	3,629.43	22.13	24.50	2.37	3,606.94
MW - 2	10/18/05	3,629.43	22.11	24.70	2.59	3,606.93
MW - 2	10/25/05	3,629.43	22.05	24.75	2.70	3,606.98
MW - 2	11/01/05	3,629.43	22.08	25.67	3.59	3,606.81
MW - 2	11/14/05	3,629.43	22.13	24.37	2.24	3,606.96
MW - 2	11/23/05	3,629.43	22.20	24.30	2.10	3,606.92
MW - 2	11/28/05	3,629.43	22.06	25.33	3.27	3,606.88
MW - 2	12/06/05	3,629.43	22.10	24.68	2.58	3,606.94
MW - 2	12/07/05	3,629.43	21.11	24.78	3.67	3,607.77
MW - 2	12/12/05	3,629.43	22.21	24.30	2.09	3,606.91
MW - 2	12/19/05	3,629.43	22.29	24.39	2.10	3,606.83
MW - 2	12/28/05	3,629.43	22.35	24.48	2.13	3,606.76
MW - 2	01/04/06	3,629.43	22.30	24.58	2.28	3,606.79
MW - 2	01/10/06	3,629.43	22.20	24.80	2.60	3,606.84
MW - 2	01/17/06	3,629.43	22.18	24.73	2.55	3,606.87
MW - 2	01/26/06	3,629.43	22.20	24.75	2.55	3,606.85
MW - 2	01/31/06	3,629.43	22.15	24.70	2.55	3,606.90
MW - 2	02/07/06	3,629.43	22.20	24.63	2.43	3,606.87
MW - 2	02/13/06	3,629.43	22.23	24.60	2.37	3,606.84

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	02/22/06	3,629.43	22.24	24.69	2.45	3,606.82
MW - 2	02/27/06	3,629.43	22.20	24.65	2.45	3,606.86
MW - 2	03/07/06	3,629.43	22.19	24.75	2.56	3,606.86
MW - 2	03/10/06	3,629.43	22.19	24.37	2.18	3,606.91
MW - 2	03/15/06	3,629.43	22.21	24.69	2.48	3,606.85
MW - 2	03/22/06	3,629.43	22.10	24.85	2.75	3,606.92
MW - 2	03/29/06	3,629.43	22.15	24.84	2.69	3,606.88
MW - 2	04/03/06	3,629.43	22.24	24.36	2.12	3,606.87
MW - 2	04/11/06	3,629.43	22.19	24.58	2.39	3,606.88
MW - 2	04/18/06	3,629.43	22.19	24.60	2.41	3,606.88
MW - 2	04/25/06	3,629.43	22.23	24.51	2.28	3,606.86
MW - 2	05/02/06	3,629.43	22.20	25.02	2.82	3,606.81
MW - 2	05/10/06	3,629.43	22.16	24.98	2.82	3,606.85
MW - 2	05/16/06	3,629.43	22.23	24.58	2.35	3,606.85
MW - 2	05/23/06	3,629.43	22.15	24.96	2.81	3,606.86
MW - 2	05/31/06	3,629.43	22.23	24.72	2.49	3,606.83
MW - 2	06/06/06	3,629.43	22.19	25.03	2.84	3,606.81
MW - 2	06/09/06	3,629.43	22.26	24.43	2.17	3,606.84
MW - 2	06/13/06	3,629.43	22.22	24.83	2.61	3,606.82
MW - 2	06/20/06	3,629.43	22.22	24.70	2.48	3,606.84
MW - 2	07/05/06	3,629.43	22.18	25.14	2.96	3,606.81
MW - 2	07/18/06	3,629.43	22.17	25.09	2.92	3,606.82
MW - 2	07/26/06	3,629.43	22.21	24.86	2.65	3,606.82
MW - 2	07/31/06	3,629.43	22.24	24.54	2.30	3,606.85
MW - 2	08/08/06	3,629.43	22.25	22.64	0.39	3,607.12
MW - 2	08/18/06	3,629.43	22.12	24.72	2.60	3,606.92
MW - 2	08/22/06	3,629.43	23.67	24.86	1.19	3,605.58
MW - 2	09/12/06	3,629.43	21.04	24.14	3.10	3,607.93
MW - 2	09/16/06	3,629.43	21.06	24.36	3.30	3,607.88
MW - 2	10/31/06	3,629.43	21.54	25.55	4.01	3,607.29
MW - 2	11/15/06	3,629.43	22.96	25.10	2.14	3,606.15
MW - 2	11/28/06	3,629.43	21.73	25.29	3.56	3,607.17
MW - 2	01/31/07	3,629.43	21.88	25.56	3.68	3,607.00
MW - 2	02/07/07	3,629.43	21.99	24.93	2.94	3,607.00
MW - 2	02/22/07	3,629.43	22.04	25.09	3.05	3,606.93
MW - 2	03/07/07	3,629.43	21.56	25.36	3.80	3,607.30
MW - 2	03/27/07	3,629.43	22.10	24.53	2.43	3,606.97
MW - 2	04/02/07	3,629.43	22.18	24.38	2.20	3,606.92
MW - 2	04/11/07	3,629.43	22.11	24.55	2.44	3,606.95

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	04/16/07	3,629.43	22.12	24.17	2.05	3,607.00
MW - 2	04/23/07	3,629.43	22.15	24.29	2.14	3,606.96
MW - 2	04/27/07	3,629.43	22.21	23.92	1.71	3,606.96
MW - 2	04/30/07	3,629.43	22.23	23.60	1.37	3,606.99
MW - 2	05/17/07	3,629.43	22.12	24.63	2.51	3,606.93
MW - 2	05/18/07	3,629.43	21.07	24.69	3.62	3,607.82
MW - 2	06/07/07	3,629.43	22.07	24.90	2.83	3,606.94
MW - 2	06/12/07	3,629.43	22.17	24.20	2.03	3,606.96
MW - 2	06/20/07	3,629.43	22.19	24.33	2.14	3,606.92
MW - 2	06/29/07	3,629.43	22.17	24.34	2.17	3,606.93
MW - 2	07/02/07	3,629.43	22.24	23.94	1.70	3,606.94
MW - 2	07/11/07	3,629.43	22.19	24.24	2.05	3,606.93
MW - 2	07/18/07	3,629.43	22.21	24.16	1.95	3,606.93
MW - 2	07/24/07	3,629.43	22.25	23.87	1.62	3,606.94
MW - 2	08/01/07	3,629.43	22.24	24.12	1.88	3,606.91
MW - 2	08/09/07	3,629.43	22.22	24.11	1.89	3,606.93
MW - 2	08/14/07	3,629.43	22.26	23.83	1.57	3,606.93
MW - 2	08/21/07	3,629.43	22.24	24.03	1.79	3,606.92
MW - 2	08/25/07	3,629.43	22.21	24.34	2.13	3,606.90
MW - 2	08/29/07	3,629.43	22.29	23.75	1.46	3,606.92
MW - 2	09/05/07	3,629.43	22.26	23.93	1.67	3,606.92
MW - 2	09/18/07	3,629.43	22.19	24.44	2.25	3,606.90
MW - 2	09/26/07	3,629.43	22.21	24.22	2.01	3,606.92
MW - 2	10/03/07	3,629.43	22.22	24.32	2.10	3,606.90
MW - 2	10/10/07	3,629.43	22.20	24.10	1.90	3,606.95
MW - 2	10/17/07	3,629.43	22.18	24.31	2.13	3,606.93
MW - 2	11/07/07	3,629.43	22.10	24.76	2.66	3,606.93
MW - 2	11/16/07	3,629.43	22.17	24.44	2.27	3,606.92
MW - 2	11/26/07	3,629.43	22.21	24.35	2.14	3,606.90
MW - 2	11/30/07	3,629.43	22.15	24.59	2.44	3,606.91
MW - 2	12/07/07	3,629.43	22.19	24.22	2.03	3,606.94
MW - 2	12/18/07	3,629.43	22.19	24.43	2.24	3,606.90
MW - 2	01/18/08	3,629.43	22.12	24.96	2.84	3,606.88
MW - 2	01/23/08	3,629.43	22.18	23.75	1.57	3,607.01
MW - 2	02/13/08	3,629.43	22.13	24.90	2.77	3,606.88
MW - 2	02/21/08	3,629.43	22.20	24.68	2.48	3,606.86
MW - 2	02/26/08	3,629.43	22.22	24.54	2.32	3,606.86
MW - 2	03/14/08	3,629.43	22.18	24.77	2.59	3,606.86
MW - 2	03/20/08	3,629.43	22.23	24.47	2.24	3,606.86

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	04/04/08	3,629.43	22.19	24.76	2.57	3,606.85
MW - 2	04/10/08	3,629.43	22.23	24.45	2.22	3,606.87
MW - 2	04/17/08	3,629.43	22.20	24.76	2.56	3,606.85
MW - 2	04/24/08	3,629.43	22.24	24.55	2.31	3,606.84
MW - 2	05/01/08	3,629.43	22.28	24.42	2.14	3,606.83
MW - 2	05/08/08	3,629.43	26.26	24.35	-1.91	3,603.46
MW - 2	05/15/08	3,629.43	22.28	24.21	1.93	3,606.86
MW - 2	05/20/08	3,629.43	23.30	24.05	0.75	3,606.02
MW - 2	05/26/08	3,629.43	22.27	24.27	2.00	3,606.86
MW - 2	05/30/08	3,629.43	22.25	24.44	2.19	3,606.85
MW - 2	06/04/08	3,629.43	22.28	24.19	1.91	3,606.86
MW - 2	06/12/08	3,629.43	22.28	24.34	2.06	3,606.84
MW - 2	06/17/08	3,629.43	22.33	23.97	1.64	3,606.85
MW - 2	06/24/08	3,629.43	22.31	24.26	1.95	3,606.83
MW - 2	07/03/08	3,629.43	22.31	24.39	2.08	3,606.81
MW - 2	07/09/08	3,629.43	22.31	24.18	1.87	3,606.84
MW - 2	07/14/08	3,629.43	22.32	24.01	1.69	3,606.86
MW - 2	07/23/08	3,629.43	22.29	24.31	2.02	3,606.84
MW - 2	08/01/08	3,629.43	22.24	24.45	2.21	3,606.86
MW - 2	08/05/08	3,629.43	22.24	24.58	2.34	3,606.84
MW - 2	08/11/08	3,629.43	22.30	24.24	1.94	3,606.84
MW - 2	08/19/08	3,629.43	22.31	24.22	1.91	3,606.83
MW - 2	08/28/08	3,629.43	22.25	24.23	1.98	3,606.88
MW - 2	09/09/08	3,629.43	22.26	24.54	2.28	3,606.83
MW - 2	09/25/08	3,629.43	22.28	24.71	2.43	3,606.79
MW - 2	10/03/08	3,629.43	22.30	24.40	2.10	3,606.82
MW - 2	10/07/08	3,629.43	21.33	23.86	2.53	3,607.72
MW - 2	10/15/08	3,629.43	23.35	24.11	0.76	3,605.97
MW - 2	10/22/08	3,629.43	22.25	24.09	1.84	3,606.90
MW - 2	10/28/08	3,629.43	22.31	24.09	1.78	3,606.85
MW - 2	11/06/08	3,629.43	22.28	24.12	1.84	3,606.87
MW - 2	11/13/08	3,629.43	22.22	24.19	1.97	3,606.91
MW - 2	11/19/08	3,629.43	22.28	24.04	1.76	3,606.89
MW - 2	12/16/08	3,629.43	22.24	24.55	2.31	3,606.84
MW - 2	01/07/09	3,629.43	22.22	24.82	2.60	3,606.82
MW - 2	01/16/09	3,629.43	21.34	24.39	3.05	3,607.63
MW - 2	01/29/09	3,629.43	22.25	24.41	2.16	3,606.86
MW - 2	02/09/09	3,629.43	22.27	24.46	2.19	3,606.83
MW - 2	02/13/09	3,629.43	22.32	23.89	1.57	3,606.87

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	02/26/09	3,629.43	22.32	24.70	2.38	3,606.75
MW - 2	03/02/09	3,629.43	23.33	24.00	0.67	3,606.00
MW - 2	03/04/09	3,629.43	22.35	23.57	1.22	3,606.90
MW - 2	03/09/09	3,629.43	22.35	23.80	1.45	3,606.86
MW - 2	03/17/09	3,629.43	23.37	24.02	0.65	3,605.96
MW - 2	03/19/09	3,629.43	23.38	24.03	0.65	3,605.95
MW - 2	03/25/09	3,629.43	22.31	24.12	1.81	3,606.85
MW - 2	03/27/09	3,629.43	23.35	23.96	0.61	3,605.99
MW - 2	03/30/09	3,629.43	23.37	23.93	0.56	3,605.98
MW - 2	04/06/09	3,629.43	23.39	23.91	0.52	3,605.96
MW - 2	04/08/09	3,629.43	22.24	24.41	2.17	3,606.86
MW - 2	04/13/09	3,629.43	22.34	23.89	1.55	3,606.86
MW - 2	04/15/09	3,629.43	23.37	23.89	0.52	3,605.98
MW - 2	04/21/09	3,629.43	23.39	23.86	0.47	3,605.97
MW - 2	04/27/09	3,629.43	22.25	24.44	2.19	3,606.85
MW - 2	05/07/09	3,629.43	23.42	23.84	0.42	3,605.95
MW - 2	05/20/09	3,629.43	22.23	24.59	2.36	3,606.85
MW - 2	05/21/09	3,629.43	22.24	24.58	2.34	3,606.84
MW - 2	05/27/09	3,629.43	22.30	24.20	1.90	3,606.85
MW - 2	06/02/09	3,629.43	22.32	24.10	1.78	3,606.84
MW - 2	06/10/09	3,629.43	23.44	23.87	0.43	3,605.93
MW - 2	06/15/09	3,629.43	23.43	26.84	3.41	3,605.49
MW - 2	07/01/09	3,629.43	22.23	24.70	2.47	3,606.83
MW - 2	07/10/09	3,629.43	22.28	24.43	2.15	3,606.83
MW - 2	07/15/09	3,629.43	22.24	24.68	2.44	3,606.82
MW - 2	07/21/09	3,629.43	22.38	24.86	2.48	3,606.68
MW - 2	07/23/09	3,629.43	22.40	23.33	0.93	3,606.89
MW - 2	07/28/09	3,629.43	22.41	23.35	0.94	3,606.88
MW - 2	07/30/09	3,629.43	22.32	23.96	1.64	3,606.86
MW - 2	08/05/09	3,629.43	22.33	23.97	1.64	3,606.85
MW - 2	08/07/09	3,629.43	22.26	23.31	1.05	3,607.01
MW - 2	08/10/09	3,629.43	22.36	23.75	1.39	3,606.86
MW - 2	08/15/09	3,629.43	22.38	23.74	1.36	3,606.85
MW - 2	08/17/09	3,629.43	22.33	23.93	1.60	3,606.86
MW - 2	08/27/09	3,629.43	22.27	24.17	1.90	3,606.88
MW - 2	08/31/09	3,629.43	22.24	24.13	1.89	3,606.91
MW - 2	09/11/09	3,629.43	22.29	24.12	1.83	3,606.87
MW - 2	09/17/09	3,629.43	22.32	23.98	1.66	3,606.86
MW - 2	09/24/09	3,629.43	22.27	24.26	1.99	3,606.86

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	09/29/09	3,629.43	22.35	23.85	1.50	3,606.86
MW - 2	09/30/09	3,629.43	22.39	23.45	1.06	3,606.88
MW - 2	10/06/09	3,629.43	22.39	23.71	1.32	3,606.84
MW - 2	10/20/09	3,629.43	22.32	23.82	1.50	3,606.89
MW - 2	10/27/09	3,629.43	22.36	23.87	1.51	3,606.84
MW - 2	11/05/09	3,629.43	22.34	23.71	1.37	3,606.88
MW - 2	11/06/09	3,629.43	22.34	23.71	1.37	3,606.88
MW - 2	11/09/09	3,629.43	22.37	23.68	1.31	3,606.86
MW - 2	11/20/09	3,629.43	22.28	24.22	1.94	3,606.86
MW - 2	11/25/09	3,629.43	22.35	23.60	1.25	3,606.89
MW - 2	12/04/09	3,629.43	22.25	24.18	1.93	3,606.89
MW - 2	12/08/09	3,629.43	22.27	24.15	1.88	3,606.88
MW - 2	12/18/09	3,629.43	22.29	24.12	1.83	3,606.87
MW - 2	12/23/09	3,629.43	22.35	23.70	1.35	3,606.88
MW - 2	12/31/09	3,629.43	22.42	23.79	1.37	3,606.80
MW - 2	01/12/10	3,629.43	22.32	24.11	1.79	3,606.84
MW - 2	01/21/10	3,629.43	22.27	24.41	2.14	3,606.84
MW - 2	02/05/10	3,629.43	22.32	24.36	2.04	3,606.80
MW - 2	02/18/10	3,629.43	22.22	24.62	2.40	3,606.85
MW - 2	02/25/10	3,629.43	22.44	23.64	1.20	3,606.81
MW - 2	03/01/10	3,629.43	22.37	24.54	2.17	3,606.73
MW - 2	03/04/10	3,629.43	22.36	23.56	1.20	3,606.89
MW - 2	03/09/10	3,629.43	22.39	24.51	2.12	3,606.72
MW - 2	03/11/10	3,629.43	22.40	24.16	1.76	3,606.77
MW - 2	03/15/10	3,629.43	22.38	23.74	1.36	3,606.85
MW - 2	03/16/10	3,629.43	22.42	23.74	1.32	3,606.81
MW - 2	03/22/10	3,629.43	22.41	23.89	1.48	3,606.80
MW - 2	03/30/10	3,629.43	22.33	24.39	2.06	3,606.79
MW - 2	04/05/10	3,629.43	22.39	23.96	1.57	3,606.80
MW - 2	04/08/10	3,629.43	22.36	23.73	1.37	3,606.86
MW - 2	04/12/10	3,629.43	22.30	24.02	1.72	3,606.87
MW - 2	04/15/10	3,629.43	22.31	23.99	1.68	3,606.87
MW - 2	04/28/10	3,629.43	22.35	24.34	1.99	3,606.78
MW - 2	05/03/10	3,629.43	22.42	23.76	1.34	3,606.81
MW - 2	05/05/10	3,629.43	22.32	23.63	1.31	3,606.91
MW - 2	05/12/10	3,629.43	22.35	23.59	1.24	3,606.89
MW - 2	05/14/10	3,629.43	22.32	23.52	1.20	3,606.93
MW - 2	05/21/10	3,629.43	22.35	23.53	1.18	3,606.90
MW - 2	05/28/10	3,629.43	22.22	24.58	2.36	3,606.86

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	06/04/10	3,629.43	22.37	23.55	1.18	3,606.88
MW - 2	06/07/10	3,629.43	22.33	24.51	2.18	3,606.77
MW - 2	06/09/10	3,629.43	22.36	23.72	1.36	3,606.87
MW - 2	06/16/10	3,629.43	22.32	23.89	1.57	3,606.87
MW - 2	06/29/10	3,629.43	22.36	23.91	1.55	3,606.84
MW - 2	07/09/10	3,629.43	21.64	23.96	2.32	3,607.44
MW - 2	07/16/10	3,629.43	21.57	24.35	2.78	3,607.44
MW - 2	07/23/10	3,629.43	21.73	23.79	2.06	3,607.39
MW - 2	07/30/10	3,629.43	21.80	23.86	2.06	3,607.32
MW - 2	08/02/10	3,629.43	22.33	23.87	1.54	3,606.87
MW - 2	08/04/10	3,629.43	21.92	23.53	1.61	3,607.27
MW - 2	08/20/10	3,629.43	21.99	24.28	2.29	3,607.10
MW - 2	08/27/10	3,629.43	22.04	23.86	1.82	3,607.12
MW - 2	09/03/10	3,629.43	22.08	24.17	2.09	3,607.04
MW - 2	09/10/10	3,629.43	22.14	23.77	1.63	3,607.05
MW - 2	09/17/10	3,629.43	22.11	23.96	1.85	3,607.04
MW - 2	09/23/10	3,629.43	21.88	24.35	2.47	3,607.18
MW - 2	10/01/10	3,629.43	21.89	24.34	2.45	3,607.17
MW - 2	10/08/10	3,629.43	22.19	24.40	2.21	3,606.91
MW - 2	10/13/10	3,629.43	22.24	23.95	1.71	3,606.93
MW - 2	11/01/10	3,629.43	22.13	24.32	2.19	3,606.97
MW - 2	11/05/10	3,629.43	22.15	23.46	1.31	3,607.08
MW - 2	11/12/10	3,629.43	22.23	23.82	1.59	3,606.96
MW - 2	11/19/10	3,629.43	22.45	24.05	1.60	3,606.74
MW - 2	12/03/10	3,629.43	22.13	24.67	2.54	3,606.92
MW - 2	12/10/10	3,629.43	22.06	24.51	2.45	3,607.00
MW - 2	12/17/10	3,629.43	22.16	24.79	2.63	3,606.88
MW - 2	01/20/11	3,629.43	21.87	23.50	1.63	3,607.32
MW - 2	02/07/11	3,629.43	22.15	24.30	2.15	3,606.96
MW - 2	05/02/11	3,629.43	22.16	25.03	2.87	3,606.84
MW - 2	05/09/11	3,629.43	22.52	22.61	0.09	3,606.90
MW - 2	05/10/11	3,629.43	22.11	22.61	0.50	3,607.25
MW - 2	05/19/11	3,629.43	22.42	23.02	0.60	3,606.92
MW - 2	05/27/11	3,629.43	22.40	23.30	0.90	3,606.90
MW - 2	06/10/11	3,629.43	22.44	23.15	0.71	3,606.88
MW - 2	06/24/11	3,629.43	22.45	23.23	0.78	3,606.86
MW - 2	07/01/11	3,629.43	22.40	23.60	1.20	3,606.85
MW - 2	07/12/11	3,629.43	22.35	23.97	1.62	3,606.84
MW - 2	07/22/11	3,629.43	22.31	23.88	1.57	3,606.88

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	08/04/11	3,629.43	22.28	24.15	1.87	3,606.87
MW - 2	08/08/11	3,629.43	22.14	22.63	0.49	3,607.22
MW - 2	08/11/11	3,629.43	22.35	23.70	1.35	3,606.88
MW - 2	08/24/11	3,629.43	22.37	23.45	1.08	3,606.90
MW - 2	09/02/11	3,629.43	22.44	23.37	0.93	3,606.85
MW - 2	09/07/11	3,629.43	21.39	23.60	2.21	3,607.71
MW - 2	09/09/11	3,629.43	22.03	23.64	1.61	3,607.16
MW - 2	09/14/11	3,629.43	22.66	22.74	0.08	3,606.76
MW - 2	09/22/11	3,629.43	22.50	22.78	0.28	3,606.89
MW - 2	10/26/11	3,629.43	22.40	23.38	0.98	3,606.88
MW - 2	10/14/11	3,629.43	22.45	23.10	0.65	3,606.88
MW - 2	11/10/11	3,629.43	22.37	23.46	1.09	3,606.90
MW - 2	11/14/11	3,629.43	22.37	23.46	1.09	3,606.90
MW - 2	12/02/11	3,629.43	22.33	23.80	1.47	3,606.88
MW - 2	12/09/11	3,629.43	22.37	23.52	1.15	3,606.89
MW - 2	12/13/11	3,629.43	22.36	23.50	1.14	3,606.90
MW - 2	12/23/11	3,629.43	22.40	23.46	1.06	3,606.87
MW - 2	12/29/11	3,629.43	22.41	23.31	0.90	3,606.89
MW - 2	01/04/12	3,629.43	22.41	23.23	0.82	3,606.90
MW - 2	01/13/12	3,629.43	22.44	23.20	0.76	3,606.88
MW - 2	01/30/12	3,629.43	22.43	23.18	0.75	3,606.89
MW - 2	02/06/12	3,629.43	22.40	23.35	0.95	3,606.89
MW - 2	02/13/12	3,629.43	22.51	22.68	0.17	3,606.89
MW - 2	02/14/12	3,629.43	22.51	22.68	0.17	3,606.89
MW - 2	03/13/12	3,629.43	22.64	23.00	0.36	3,606.74
MW - 2	03/15/12	3,629.43	22.60	22.83	0.23	3,606.80
MW - 2	03/20/12	3,629.43	22.59	22.84	0.25	3,606.80
MW - 2	03/22/12	3,629.43	22.65	22.85	0.20	3,606.75
MW - 2	03/27/12	3,629.43	22.54	22.61	0.07	3,606.88
MW - 2	03/29/12	3,629.43	22.75	22.76	0.01	3,606.68
MW - 2	04/02/12	3,629.43	22.64	22.67	0.03	3,606.79
MW - 2	04/09/12	3,629.43	22.67	23.08	0.41	3,606.70
MW - 2	04/12/12	3,629.43	22.65	23.04	0.39	3,606.72
MW - 2	04/17/12	3,629.43	22.65	23.07	0.42	3,606.72
MW - 2	04/19/12	3,629.43	22.56	23.05	0.49	3,606.80
MW - 2	04/23/12	3,629.43	22.51	22.97	0.46	3,606.85
MW - 2	04/26/12	3,629.43	22.72	22.73	0.01	3,606.71
MW - 2	05/21/12	3,629.43	22.64	22.69	0.05	3,606.78
MW - 2	06/06/12	3,629.43	22.55	23.14	0.59	3,606.79

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	06/11/12	3,629.43	22.54	23.23	0.69	3,606.79
MW - 2	06/18/12	3,629.43	22.58	22.61	0.03	3,606.85
MW - 2	06/25/12	3,629.43	22.52	23.46	0.94	3,606.77
MW - 2	07/02/12	3,629.43	22.59	22.63	0.04	3,606.83
MW - 2	07/09/12	3,629.43	22.43	23.50	1.07	3,606.84
MW - 2	07/16/12	3,629.43	22.41	23.62	1.21	3,606.84
MW - 2	08/01/12	3,629.43	22.47	23.72	1.25	3,606.77
MW - 2	08/14/12	3,629.43	22.26	25.73	3.47	3,606.65
MW - 2	08/21/12	3,629.43	22.44	23.53	1.09	3,606.83
MW - 2	09/04/12	3,629.43	22.27	25.43	3.16	3,606.69
MW - 2	09/10/12	3,629.43	22.54	23.85	1.31	3,606.69
MW - 2	09/19/12	3,629.43	22.49	23.86	1.37	3,606.73
MW - 2	09/24/12	3,629.43	22.44	23.44	1.00	3,606.84
MW - 2	10/01/12	3,629.43	22.46	23.32	0.86	3,606.84
MW - 2	10/08/12	3,629.43	22.45	23.25	0.80	3,606.86
MW - 2	10/10/12	3,629.43	22.51	23.08	0.57	3,606.83
MW - 2	10/15/12	3,629.43	22.46	23.23	0.77	3,606.85
MW - 2	10/22/12	3,629.43	22.47	23.12	0.65	3,606.86
MW - 2	10/24/12	3,629.43	22.50	22.93	0.43	3,606.87
MW - 2	10/29/12	3,629.43	22.66	22.81	0.15	3,606.75
MW - 2	11/06/12	3,629.43	22.69	23.00	0.31	3,606.69
MW - 2	12/04/12	3,629.43	22.60	22.61	0.01	3,606.83
MW - 2	12/10/12	3,629.43	22.60	22.68	0.08	3,606.82
MW - 2	12/17/12	3,629.43	22.30	23.55	1.25	3,606.94
MW - 2	12/27/12	3,629.43	22.54	22.78	0.24	3,606.85
MW - 2	01/14/13	3,629.43	22.56	23.08	0.52	3,606.79
MW - 2	02/04/13	3,629.43	22.57	23.27	0.70	3,606.76
MW - 2	02/05/13	3,629.43	22.54	23.11	0.57	3,606.80
MW - 2	02/20/13	3,629.43	22.50	23.36	0.86	3,606.80
MW - 2	03/04/13	3,629.43	22.65	22.72	0.07	3,606.77
MW - 2	03/07/13	3,629.43	22.60	22.65	0.05	3,606.82
MW - 2	03/26/13	3,629.43	22.59	22.63	0.04	3,606.83
MW - 2	04/10/13	3,629.43	22.55	22.66	0.11	3,606.86
MW - 2	04/17/13	3,629.43	22.55	22.60	0.05	3,606.87
MW - 2	04/24/13	3,629.43	22.67	22.81	0.14	3,606.74
MW - 2	05/02/13	3,629.43	22.57	22.84	0.27	3,606.82
MW - 2	05/09/13	3,629.43	22.50	22.72	0.22	3,606.90
MW - 2	05/17/13	3,629.43	22.55	22.80	0.25	3,606.84
MW - 2	05/22/13	3,629.43	22.58	22.78	0.20	3,606.82

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	05/29/13	3,629.43	22.60	23.03	0.43	3,606.77
MW - 2	06/03/13	3,629.43	22.59	22.64	0.05	3,606.83
MW - 2	06/20/13	3,629.43	22.59	22.85	0.26	3,606.80
MW - 2	06/25/13	3,629.43	23.11	23.28	0.17	3,606.29
MW - 2	07/02/13	3,629.43	22.58	22.88	0.30	3,606.81
MW - 2	07/09/13	3,629.43	22.58	23.19	0.61	3,606.76
MW - 2	07/16/13	3,629.43	22.69	23.33	0.64	3,606.64
MW - 2	07/24/13	3,629.43	22.69	23.32	0.63	3,606.65
MW - 2	07/31/13	3,629.43	22.69	23.30	0.61	3,606.65
MW - 2	08/01/13	3,629.43	22.67	23.43	0.76	3,606.65
MW - 2	08/06/13	3,629.43	22.58	22.91	0.33	3,606.80
MW - 2	08/16/13	3,629.43	22.49	23.17	0.68	3,606.84
MW - 2	09/12/13	3,629.43	22.53	22.79	0.26	3,606.86
MW - 2	09/19/13	3,629.43	22.56	22.72	0.16	3,606.85
MW - 2	09/25/13	3,629.43	22.48	23.02	0.54	3,606.87
MW - 2	09/30/13	3,629.43	22.49	22.89	0.40	3,606.88
MW - 2	10/09/13	3,629.43	22.55	22.66	0.11	3,606.86
MW - 2	10/14/13	3,629.43	22.54	22.70	0.16	3,606.87
MW - 2	10/22/13	3,629.43	22.54	22.83	0.29	3,606.85
MW - 2	10/30/13	3,629.43	22.58	22.96	0.38	3,606.79
MW - 2	11/07/13	3,629.43	22.53	22.79	0.26	3,606.86
MW - 2	11/27/13	3,629.43	22.44	23.22	0.78	3,606.87
MW - 2	12/04/13	3,629.43	22.46	23.25	0.79	3,606.85
MW - 2	12/10/13	3,629.43	22.46	25.35	2.89	3,606.54
MW - 2	12/16/13	3,629.43	22.45	23.38	0.93	3,606.84
MW - 2	12/24/13	3,629.43	22.41	23.41	1.00	3,606.87
MW - 2	01/06/14	3,629.43	22.44	23.57	1.13	3,606.82
MW - 2	01/16/14	3,629.43	22.42	23.62	1.20	3,606.83
MW - 2	01/21/14	3,629.43	22.78	23.75	0.97	3,606.50
MW - 2	02/11/14	3,629.43	22.43	23.76	1.33	3,606.80
MW - 2	02/17/14	3,629.43	22.44	23.86	1.42	3,606.78
MW - 2	02/27/14	3,629.43	22.42	23.90	1.48	3,606.79
MW - 2	03/25/14	3,629.43	22.46	24.01	1.55	3,606.74
MW - 2	04/01/14	3,629.43	22.47	24.08	1.61	3,606.72
MW - 2	04/08/14	3,629.43	22.37	23.97	1.60	3,606.82
MW - 2	04/15/14	3,629.43	22.46	23.48	1.02	3,606.82
MW - 2	04/29/14	3,629.43	22.48	22.55	0.07	3,606.94
MW - 2	05/06/14	3,629.43	22.43	23.72	1.29	3,606.81
MW - 2	05/07/14	3,629.43	22.31	23.58	1.27	3,606.93

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	05/12/14	3,629.43	22.53	23.35	0.82	3,606.78
MW - 2	05/19/14	3,629.43	22.65	23.60	0.95	3,606.64
MW - 2	05/27/14	3,629.43	22.47	23.28	0.81	3,606.84
MW - 2	06/03/14	3,629.43	22.51	23.43	0.92	3,606.78
MW - 2	06/09/14	3,629.43	22.57	23.68	1.11	3,606.69
MW - 2	06/23/14	3,629.43	22.62	23.51	0.89	3,606.68
MW - 2	06/30/14	3,629.43	22.49	23.69	1.20	3,606.76
MW - 2	07/07/14	3,629.43	22.59	23.85	1.26	3,606.65
MW - 2	07/23/14	3,629.43	22.53	23.40	0.87	3,606.77
MW - 2	07/28/14	3,629.43	22.55	23.73	1.18	3,606.70
MW - 2	08/06/14	3,629.43	22.59	23.73	1.14	3,606.67
MW - 2	08/21/14	3,629.43	22.50	23.67	1.17	3,606.75
MW - 2	08/26/14	3,629.43	22.49	23.60	1.11	3,606.77
MW - 2	09/06/14	3,629.43	22.49	23.80	1.31	3,606.74
MW - 2	10/10/14	3,629.43	21.46	21.50	0.04	3,607.96
MW - 2	11/05/14	3,629.43	21.04	21.28	0.24	3,608.35
MW - 2	11/12/14	3,629.43	22.01	22.04	0.03	3,607.42
MW - 2	11/18/14	3,629.43	22.13	22.43	0.30	3,607.26
MW - 2	12/01/14	3,629.43	22.08	22.55	0.47	3,607.28
MW - 2	12/23/14	3,629.43	21.97	22.14	0.17	3,607.43
MW - 2	01/16/15	3,629.43	22.34	22.60	0.26	3,607.05
MW - 2	01/26/15	3,629.43	22.51	22.68	0.17	3,606.89
MW - 2	02/13/15	3,629.43	22.41	22.62	0.21	3,606.99
MW - 2	02/25/15	3,629.43	22.40	22.53	0.13	3,607.01
MW - 2	03/05/15	3,629.43	22.49	22.60	0.11	3,606.92
MW - 2	03/10/15	3,629.43	22.45	22.60	0.15	3,606.96
MW - 2	03/12/15	3,629.43	22.48	22.80	0.32	3,606.90
MW - 2	03/17/15	3,629.43	22.57	22.65	0.08	3,606.85
MW - 2	04/01/15	3,629.43	22.42	22.53	0.11	3,606.99
MW - 2	04/08/15	3,629.43	22.50	22.58	0.08	3,606.92
MW - 2	04/15/15	3,629.43	22.58	22.65	0.07	3,606.84
MW - 2	04/23/15	3,629.43	21.96	22.12	0.16	3,607.45
MW - 2	04/30/15	3,629.43	22.45	22.52	0.07	3,606.97
MW - 2	05/19/15	3,629.43	22.38	22.52	0.14	3,607.03
MW - 2	05/29/15	3,629.43	22.48	22.58	0.10	3,606.94
MW - 2	06/05/15	3,629.43	22.41	22.50	0.09	3,607.01
MW - 2	06/10/15	3,629.43	22.50	22.57	0.07	3,606.92
MW - 2	06/17/15	3,629.43	22.49	22.57	0.08	3,606.93
MW - 2	06/26/15	3,629.43	22.57	22.63	0.06	3,606.85

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	07/01/15	3,629.43	22.53	22.59	0.06	3,606.89
MW - 2	07/06/15	3,629.43	22.44	22.50	0.06	3,606.98
MW - 2	07/10/15	3,629.43	22.46	22.50	0.04	3,606.96
MW - 2	07/15/15	3,629.43	22.53	22.59	0.06	3,606.89
MW - 2	07/21/15	3,629.43	22.44	22.48	0.04	3,606.98
MW - 2	07/29/15	3,629.43	22.57	22.63	0.06	3,606.85
MW - 2	08/06/15	3,629.43	22.46	22.53	0.07	3,606.96
MW - 2	08/14/15	3,629.43	22.49	22.62	0.13	3,606.92
MW - 2	08/19/15	3,629.43	22.44	22.53	0.09	3,606.98
MW - 2	08/26/15	3,629.43	22.44	22.50	0.06	3,606.98
MW - 2	09/02/15	3,629.43	22.45	22.56	0.11	3,606.96
MW - 2	09/08/15	3,629.43	22.43	22.50	0.07	3,606.99
MW - 2	09/17/15	3,629.43	22.45	22.50	0.05	3,606.97
MW - 2	09/23/15	3,629.43	-	22.64	0.00	3,606.79
MW - 2	09/29/15	3,629.43	-	22.67	0.00	3,606.76
MW - 2	10/01/15	3,629.43	-	22.64	0.00	3,606.79
MW - 2	10/07/15	3,629.43	-	22.65	0.00	3,606.78
MW - 2	10/14/15	3,629.43	-	22.56	0.00	3,606.87
MW - 2	11/04/15	3,629.43	-	22.46	0.00	3,606.97
MW - 2	11/12/15	3,629.43	-	22.48	0.00	3,606.95
MW - 2	12/02/15	3,629.43	-	22.83	0.00	3,606.60
MW - 2	12/08/15	3,629.43	-	22.81	0.00	3,606.62
MW - 2	12/10/15	3,629.43	-	22.56	0.00	3,606.87
MW - 2	12/14/15	3,629.43	-	22.72	0.00	3,606.71
MW - 2	12/21/15	3,629.43	-	22.59	0.00	3,606.84
MW - 2	01/11/16	3,629.43	-	23.02	0.00	3,606.41
MW - 2	01/13/16	3,629.43	-	22.60	0.00	3,606.83
MW - 2	01/22/16	3,629.43	-	22.62	0.00	3,606.81
MW - 2	01/25/16	3,629.43	-	22.80	0.00	3,606.63
MW - 2	02/05/16	3,629.43	-	22.78	0.00	3,606.65
MW - 2	02/08/16	3,629.43	-	22.71	0.00	3,606.72
MW - 2	02/10/16	3,629.43	-	22.79	0.00	3,606.64
MW - 2	02/17/16	3,629.43	-	22.76	0.00	3,606.67
MW - 2	02/24/16	3,629.43	-	22.71	0.00	3,606.72
MW - 2	03/01/16	3,629.43	-	22.79	0.00	3,606.64
MW - 2	03/08/16	3,629.43	-	22.63	0.00	3,606.80
MW - 2	03/11/16	3,629.43	-	22.64	0.00	3,606.79
MW - 2	03/15/16	3,629.43	-	22.54	0.00	3,606.89
MW - 2	03/24/16	3,629.43	-	22.53	0.00	3,606.90

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	03/30/16	3,629.43	-	22.65	0.00	3,606.78
MW - 2	04/07/16	3,629.43	-	22.78	0.00	3,606.65
MW - 2	04/12/16	3,629.43	-	22.73	0.00	3,606.70
MW - 2	04/18/16	3,629.43	-	22.70	0.00	3,606.73
MW - 2	04/25/16	3,629.43	-	22.66	0.00	3,606.77
MW - 2	05/03/16	3,629.43	-	22.64	0.00	3,606.79
MW - 2	05/12/16	3,629.43	-	22.57	0.00	3,606.86
MW - 2	05/16/16	3,629.43	-	22.61	0.00	3,606.82
MW - 2	05/26/16	3,629.43	-	22.49	0.00	3,606.94
MW - 2	06/08/16	3,629.43	-	22.51	0.00	3,606.92
MW - 2	06/15/16	3,629.43	-	22.53	0.00	3,606.90
MW - 2	06/20/16	3,629.43	-	22.67	0.00	3,606.76
MW - 2	06/29/16	3,629.43	-	22.78	0.00	3,606.65
MW - 2	07/07/16	3,629.43	-	22.75	0.00	3,606.68
MW - 2	07/11/16	3,629.43	-	22.61	0.00	3,606.82
MW - 2	07/19/16	3,629.43	-	22.68	0.00	3,606.75
MW - 2	07/21/16	3,629.43	-	22.58	0.00	3,606.85
MW - 2	07/25/16	3,629.43	-	22.58	0.00	3,606.85
MW - 2	08/01/16	3,629.43	-	22.67	0.00	3,606.76
MW - 2	08/11/16	3,629.43	-	22.60	0.00	3,606.83
MW - 2	08/15/16	3,629.43	-	22.55	0.00	3,606.88
MW - 2	08/29/16	3,629.43	-	22.54	0.00	3,606.89
MW - 2	09/07/16	3,629.43	-	22.39	0.00	3,607.04
MW - 2	09/13/16	3,629.43	-	22.40	0.00	3,607.03
MW - 2	09/21/16	3,629.43	-	22.45	0.00	3,606.98
MW - 2	09/28/16	3,629.43	-	22.48	0.00	3,606.95
MW - 2	10/04/16	3,629.43	22.30	22.33	0.03	3,607.13
MW - 2	10/18/16	3,629.43	-	22.51	0.00	3,606.92
MW - 2	10/25/16	3,629.43	-	22.61	0.00	3,606.82
MW - 2	11/01/16	3,629.43	-	22.62	0.00	3,606.81
MW - 2	11/10/16	3,629.43	-	22.65	0.00	3,606.78
MW - 2	11/18/16	3,629.43	-	21.84	0.00	3,607.59
MW - 2	11/23/16	3,629.43	-	22.60	0.00	3,606.83
MW - 2	12/07/16	3,629.43	-	22.93	0.00	3,606.50
MW - 2	12/15/16	3,629.43	-	22.67	0.00	3,606.76
MW - 2	12/21/16	3,629.43	-	22.75	0.00	3,606.68
MW - 2	12/27/16	3,629.43	-	22.62	0.00	3,606.81
MW - 2	01/04/17	3,629.43	-	22.66	0.00	3,606.77
MW - 2	01/09/17	3,629.43	-	22.53	0.00	3,606.90

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	01/17/17	3,629.43	-	22.45	0.00	3,606.98
MW - 2	01/23/17	3,629.43	-	22.70	0.00	3,606.73
MW - 2	02/01/17	3,629.43	-	22.77	0.00	3,606.66
MW - 2	02/06/17	3,629.43	-	22.54	0.00	3,606.89
MW - 2	02/15/17	3,629.43	-	22.71	0.00	3,606.72
MW - 2	02/20/17	3,629.43	-	22.72	0.00	3,606.71
MW - 2	02/28/17	3,629.43	-	22.61	0.00	3,606.82
MW - 2	03/08/17	3,629.43	-	22.60	0.00	3,606.83
MW - 2	03/13/17	3,629.43	-	22.64	0.00	3,606.79
MW - 2	03/20/17	3,629.43	-	22.56	0.00	3,606.87
MW - 2	03/27/17	3,629.43	-	22.50	0.00	3,606.93
MW - 2	04/05/17	3,629.43	-	22.50	0.00	3,606.93
MW - 2	04/10/17	3,629.43	-	22.70	0.00	3,606.73
MW - 2	04/17/17	3,629.43	-	22.87	0.00	3,606.56
MW - 2	04/24/17	3,629.43	-	22.90	0.00	3,606.53
MW - 2	05/01/17	3,629.43	-	22.58	0.00	3,606.85
MW - 2	05/08/17	3,629.43	-	22.72	0.00	3,606.71
MW - 2	05/15/17	3,629.43	-	22.63	0.00	3,606.80
MW - 2	05/26/17	3,629.43	-	22.56	0.00	3,606.87
MW - 2	06/02/17	3,629.43	-	22.55	0.00	3,606.88
MW - 2	06/09/17	3,629.43	-	22.54	0.00	3,606.89
MW - 2	06/13/17	3,629.43	-	22.73	0.00	3,606.70
MW - 2	06/19/17	3,629.43	-	22.78	0.00	3,606.65
MW - 2	06/28/17	3,629.43	-	23.08	0.00	3,606.35
MW - 2	07/03/17	3,629.43	-	23.05	0.00	3,606.38
MW - 2	07/10/17	3,629.43	-	23.10	0.00	3,606.33
MW - 2	07/11/17	3,629.43	-	23.06	0.00	3,606.37
MW - 2	07/17/17	3,629.43	-	23.10	0.00	3,606.33
MW - 2	07/24/17	3,629.43	-	23.03	0.00	3,606.40
MW - 2	08/03/17	3,629.43	-	22.71	0.00	3,606.72
MW - 2	08/10/17	3,629.43	-	22.86	0.00	3,606.57
MW - 2	08/16/17	3,629.43	-	22.80	0.00	3,606.63
MW - 2	08/28/17	3,629.43	-	22.54	0.00	3,606.89
MW - 2	09/06/17	3,629.43	-	22.78	0.00	3,606.65
MW - 2	09/12/17	3,629.43	-	22.59	0.00	3,606.84
MW - 2	09/19/17	3,629.43	-	22.57	0.00	3,606.86
MW - 2	10/04/17	3,629.43	-	22.54	0.00	3,606.89
MW - 2	10/09/17	3,629.43	-	22.44	0.00	3,606.99
MW - 2	10/16/17	3,629.43	-	22.41	0.00	3,607.02

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	10/24/17	3,629.43	-	22.52	0.00	3,606.91
MW - 2	11/01/17	3,629.43	-	22.79	0.00	3,606.64
MW - 2	11/17/17	3,629.43	-	22.81	0.00	3,606.62
MW - 2	11/22/17	3,629.43	-	22.65	0.00	3,606.78
MW - 2	11/30/17	3,629.43	-	22.83	0.00	3,606.60
MW - 2	12/06/17	3,629.43	-	22.82	0.00	3,606.61
MW - 2	12/22/17	3,629.43	-	22.82	0.00	3,606.61
MW - 2	01/08/18	3,629.43	-	22.62	0.00	3,606.81
MW - 2	01/17/18	3,629.43	-	22.59	0.00	3,606.84
MW - 2	01/23/18	3,629.43	-	22.67	0.00	3,606.76
MW - 2	01/30/18	3,629.43	-	22.60	0.00	3,606.83
MW - 2	02/05/18	3,629.43	-	22.62	0.00	3,606.81
MW - 2	02/12/18	3,629.43	-	22.50	0.00	3,606.93
MW - 2	02/19/18	3,629.43	-	22.67	0.00	3,606.76
MW - 2	03/01/18	3,629.43	-	22.99	0.00	3,606.44
MW - 2	03/06/18	3,629.43	-	22.93	0.00	3,606.50
MW - 2	03/20/18	3,629.43	-	22.95	0.00	3,606.48
MW - 2	03/26/18	3,629.43	-	22.99	0.00	3,606.44
MW - 2	04/10/18	3,629.43	-	22.65	0.00	3,606.78
MW - 2	04/23/18	3,629.43	-	22.90	0.00	3,606.53
MW - 2	05/02/18	3,629.43	-	22.51	0.00	3,606.92
MW - 2	05/09/18	3,629.43	-	22.87	0.00	3,606.56
MW - 2	05/15/18	3,629.43	-	22.76	0.00	3,606.67
MW - 2	05/23/18	3,629.43	-	22.61	0.00	3,606.82
MW - 2	06/07/18	3,629.43	-	22.54	0.00	3,606.89
MW - 2	06/20/18	3,629.43	22.54	22.57	0.03	3,606.89
MW - 2	06/29/18	3,629.43	-	22.65	0.00	3,606.78
MW - 2	07/03/18	3,629.43	-	22.84	0.00	3,606.59
MW - 2	07/13/18	3,629.43	-	22.94	0.00	3,606.49
MW - 2	07/17/18	3,629.43	-	22.98	0.00	3,606.45
MW - 2	07/27/18	3,629.43	-	22.97	0.00	3,606.46
MW - 2	08/01/18	3,629.43	-	22.70	0.00	3,606.73
MW - 2	08/14/18	3,629.43	-	22.97	0.00	3,606.46
MW - 2	08/24/18	3,629.43	-	22.68	0.00	3,606.75
MW - 2	08/28/18	3,629.43	-	22.80	0.00	3,606.63
MW - 2	09/05/18	3,629.43	-	22.71	0.00	3,606.72
MW - 2	09/12/18	3,629.43	-	22.59	0.00	3,606.84
MW - 2	09/17/18	3,629.43	22.49	22.51	0.02	3,606.94
MW - 2	09/26/18	3,629.43	-	22.65	0.00	3,606.78

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	10/02/18	3,629.43	-	22.65	0.00	3,606.78
MW - 2	10/12/18	3,629.43	-	22.71	0.00	3,606.72
MW - 2	10/16/18	3,629.43	-	22.90	0.00	3,606.53
MW - 2	10/23/18	3,629.43	-	22.67	0.00	3,606.76
MW - 2	11/14/18	3,629.43	-	22.44	0.00	3,606.99
MW - 2	12/10/18	3,629.43	-	22.54	0.00	3,606.89
MW - 2	12/26/18	3,629.43	-	22.66	0.00	3,606.77
MW - 2	01/10/19	3,629.43	-	22.68	0.00	3,606.75
MW - 2	01/23/19	3,629.43	-	22.63	0.00	3,606.80
MW - 2	02/11/19	3,629.43	-	22.48	0.00	3,606.95
MW - 2	03/14/19	3,629.43	-	22.92	0.00	3,606.51
MW - 2	03/28/19	3,629.43	-	22.80	0.00	3,606.63
MW - 2	04/10/19	3,629.43	-	22.92	0.00	3,606.51
MW - 2	04/25/19	3,629.43	-	22.75	0.00	3,606.68
MW - 2	05/07/19	3,629.43	-	22.70	0.00	3,606.73
MW - 2	05/24/19	3,629.43	-	22.77	0.00	3,606.66
MW - 2	06/14/19	3,629.43	-	22.62	0.00	3,606.81
MW - 2	06/26/19	3,629.43	-	22.61	0.00	3,606.82
MW - 2	07/30/19	3,629.43	-	22.62	0.00	3,606.81
MW - 2	08/19/19	3,629.43	-	22.58	0.00	3,606.85
MW - 2	09/16/19	3,629.43	-	22.55	0.00	3,606.88
MW - 2	11/18/19	3,629.43	-	22.65	0.00	3,606.78
MW - 2	12/27/19	3,629.43	-	22.81	0.00	3,606.62
MW - 2	01/20/20	3,629.43	-	22.66	0.00	3,606.77
MW - 2	02/12/20	3,629.43	-	22.70	0.00	3,606.73
MW - 2	05/12/20	3,629.43	-	22.69	0.00	3,606.74
MW - 2	06/04/20	3,629.43	-	22.80	0.00	3,606.63
MW - 2	07/31/20	3,629.43	-	22.73	0.00	3,606.70
MW - 2	08/17/20	3,629.43	-	22.72	0.00	3,606.71
MW - 2	09/08/20	3,629.43	-	22.95	0.00	3,606.48
MW - 2	10/07/20	3,629.43	-	22.80	0.00	3,606.63
MW - 2	10/28/20	3,629.43	-	22.73	0.00	3,606.70
MW - 2	11/18/20	3,629.43	-	22.75	0.00	3,606.68
MW - 2	12/22/20	3,629.43	-	22.82	0.00	3,606.61
MW - 2	01/18/21	3,629.43	-	22.71	0.00	3,606.72
MW - 2	02/03/21	3,629.43	-	22.76	0.00	3,606.67
MW - 2	02/08/21	3,629.43	-	22.62	0.00	3,606.81
MW - 2	03/03/21	3,629.43	-	22.75	0.00	3,606.68
MW - 2	04/14/21	3,629.43	22.57	22.63	0.06	3,606.85

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	04/26/21	3,629.43	-	22.74	0.00	3,606.69
MW - 2	05/06/21	3,629.43	-	22.68	0.00	3,606.75
MW - 2	05/18/21	3,629.43	-	22.76	0.00	3,606.67
MW - 2	06/08/21	3,629.43	-	22.87	0.00	3,606.56
MW - 2	07/08/21	3,629.43	-	22.72	0.00	3,606.71
MW - 2	07/14/21	3,629.43	-	22.82	0.00	3,606.61
MW - 2	08/09/21	3,629.43	-	22.86	0.00	3,606.57
MW - 2	08/16/21	3,629.43	-	22.75	0.00	3,606.68
MW - 2	09/08/21	3,629.43	-	22.78	0.00	3,606.65
MW - 2	10/05/21	3,629.43	-	22.84	0.00	3,606.59
MW - 2	10/11/21	3,629.43	-	22.58	0.00	3,606.85
MW - 2	11/01/21	3,629.43	-	22.62	0.00	3,606.81
MW - 2	11/29/21	3,629.43	-	22.72	0.00	3,606.71
MW - 2	01/04/22	3,629.43	-	22.62	0.00	3,606.81
MW - 2	01/10/22	3,629.43	-	22.69	0.00	3,606.74
MW - 2	02/01/22	3,629.43	-	22.72	0.00	3,606.71
MW - 2	02/28/22	3,629.43	-	22.81	0.00	3,606.62
MW - 2	03/22/22	3,629.43	22.59	22.63	0.04	3,606.83
MW - 2	04/04/22	3,629.43	22.68	22.73	0.05	3,606.74
MW - 2	04/15/22	3,629.43	22.56	22.65	0.09	3,606.86
MW - 2	05/05/22	3,629.43	22.65	22.69	0.04	3,606.77
MW - 2	06/07/22	3,629.43	22.60	22.74	0.14	3,606.81
MW - 2	06/09/22	3,629.43	22.59	22.70	0.11	3,606.82
MW - 2	07/15/22	3,629.43	22.67	22.91	0.24	3,606.72
MW - 2	08/15/22	3,629.43	22.68	23.03	0.35	3,606.70
MW - 2	08/31/22	3,629.43	22.69	22.73	0.04	3,606.73
MW - 2	10/04/22	3,629.43	22.59	23.08	0.49	3,606.77
MW - 2	11/03/22	3,629.43	22.56	22.67	0.11	3,606.85
MW - 2	11/17/22	3,629.43	22.62	22.72	0.10	3,606.80
MW - 2	12/07/22	3,629.43	22.63	22.70	0.07	3,606.79
MW - 3	05/02/97	3,629.17	-	24.85	3.85	3,604.32
MW - 3	03/06/00	3,628.90	21.73	27.76	6.03	3,606.27
MW - 3	05/16/00	3,628.90	21.73	27.74	6.01	3,606.27
MW - 3	08/31/00	3,628.90	21.75	27.81	6.06	3,606.24
MW - 3	11/17/00	3,628.90	21.78	27.33	5.55	3,606.29
MW - 3	03/07/01	3,628.90	21.90	24.10	2.20	3,606.67
MW - 3	05/30/01	3,628.90	21.88	25.85	3.97	3,606.42
MW - 3	08/27/01	3,628.90	22.18	24.97	2.79	3,606.30

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 3	10/12/01	3,628.90	21.92	26.10	4.18	3,606.35
MW - 3	02/25/02	3,628.90	21.76	27.26	5.50	3,606.32
MW - 3	03/18/02	3,628.90	21.78	27.50	5.72	3,606.26
MW - 3	03/28/02	3,628.90	21.80	26.81	5.01	3,606.35
MW - 3	04/03/02	3,628.90	21.89	26.51	4.62	3,606.32
MW - 3	04/12/02	3,628.90	21.91	26.35	4.44	3,606.32
MW - 3	04/16/02	3,628.90	22.03	25.64	3.61	3,606.33
MW - 3	05/03/02	3,628.90	21.90	26.21	4.31	3,606.35
MW - 3	05/10/02	3,628.90	21.96	26.04	4.08	3,606.33
MW - 3	05/13/02	3,628.90	22.03	25.56	3.53	3,606.34
MW - 3	05/24/02	3,628.90	21.96	26.31	4.35	3,606.29
MW - 3	06/10/02	3,628.90	22.11	26.32	4.21	3,606.16
MW - 3	06/19/02	3,628.90	21.93	26.93	5.00	3,606.22
MW - 3	07/03/02	3,628.90	21.95	26.67	4.72	3,606.24
MW - 3	07/11/02	3,628.90	21.62	26.81	5.19	3,606.50
MW - 3	07/16/02	3,628.90	21.94	26.25	4.31	3,606.31
MW - 3	08/21/02	3,628.90	21.87	26.77	4.90	3,606.30
MW - 3	08/27/02	3,628.90	21.91	26.53	4.62	3,606.30
MW - 3	09/05/02	3,628.90	21.95	26.22	4.27	3,606.31
MW - 3	09/10/02	3,628.90	22.06	25.68	3.62	3,606.30
MW - 3	10/03/02	3,628.90	22.14	25.11	2.97	3,606.31
MW - 3	10/08/02	3,628.90	22.02	25.88	3.86	3,606.30
MW - 3	10/14/02	3,628.90	22.00	26.12	4.12	3,606.28
MW - 3	11/15/02	3,628.90	21.96	26.14	4.18	3,606.31
MW - 3	12/27/02	3,628.90	21.85	26.63	4.78	3,606.33
MW - 3	01/07/03	3,628.90	21.87	26.34	4.47	3,606.36
MW - 3	03/05/03	3,628.90	21.83	26.87	5.04	3,606.31
MW - 3	03/06/03	3,628.90	22.08	25.33	3.25	3,606.33
MW - 3	03/12/03	3,628.90	21.90	26.42	4.52	3,606.32
MW - 3	03/20/03	3,628.90	22.19	26.64	4.45	3,606.04
MW - 3	03/27/03	3,628.90	21.92	26.05	4.13	3,606.36
MW - 3	04/03/03	3,628.90	21.94	25.81	3.87	3,606.38
MW - 3	04/16/03	3,628.90	21.93	26.26	4.33	3,606.32
MW - 3	05/13/03	3,628.90	22.10	25.54	3.44	3,606.28
MW - 3	05/15/03	3,628.90	23.16	24.87	1.71	3,605.48
MW - 3	05/21/03	3,628.90	22.03	26.45	4.42	3,606.21
MW - 3	05/28/03	3,628.90	22.04	26.25	4.21	3,606.23
MW - 3	06/05/03	3,628.90	22.02	26.03	4.01	3,606.28
MW - 3	07/10/03	3,628.90	22.07	26.67	4.60	3,606.14

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 3	07/31/03	3,628.90	21.93	26.59	4.66	3,606.27
MW - 3	08/06/03	3,628.90	22.17	26.38	4.21	3,606.10
MW - 3	08/13/03	3,628.90	22.25	26.30	4.05	3,606.04
MW - 3	08/22/03	3,628.90	23.91	24.33	0.42	3,604.93
MW - 3	08/25/03	3,628.90	22.26	26.33	4.07	3,606.03
MW - 3	09/11/03	3,628.90	22.49	24.46	1.97	3,606.11
MW - 3	09/30/03	3,628.90	21.88	26.76	4.88	3,606.29
MW - 3	10/06/03	3,628.90	22.00	26.15	4.15	3,606.28
MW - 3	10/14/03	3,628.90	22.25	26.76	4.51	3,605.97
MW - 3	10/21/03	3,628.90	22.30	26.38	4.08	3,605.99
MW - 3	10/27/03	3,628.90	22.33	25.99	3.66	3,606.02
MW - 3	11/06/03	3,628.90	22.13	25.96	3.83	3,606.20
MW - 3	11/10/03	3,628.90	22.47	25.76	3.29	3,605.94
MW - 3	11/17/03	3,628.90	22.12	25.70	3.58	3,606.24
MW - 3	12/04/03	3,628.90	22.05	26.35	4.30	3,606.21
MW - 3	12/15/03	3,628.90	21.97	26.08	4.11	3,606.31
MW - 3	12/22/03	3,628.90	21.92	26.24	4.32	3,606.33
MW - 3	12/31/03	3,628.90	21.88	26.40	4.52	3,606.34
MW - 3	01/27/04	3,628.90	22.01	25.80	3.79	3,606.32
MW - 3	02/03/04	3,628.90	21.94	25.72	3.78	3,606.39
MW - 3	02/10/04	3,628.90	21.88	26.63	4.75	3,606.31
MW - 3	02/18/04	3,628.90	22.16	25.83	3.67	3,606.19
MW - 3	02/26/04	3,628.90	22.07	26.65	4.58	3,606.14
MW - 3	03/04/04	3,628.90	22.04	26.83	4.79	3,606.14
MW - 3	03/11/04	3,628.90	22.07	26.97	4.90	3,606.10
MW - 3	03/16/04	3,628.90	22.37	27.30	4.93	3,605.79
MW - 3	03/19/04	3,628.90	22.56	26.20	3.64	3,605.79
MW - 3	03/23/04	3,628.90	22.51	26.15	3.64	3,605.84
MW - 3	03/30/04	3,628.90	22.70	26.10	3.40	3,605.69
MW - 3	04/07/04	3,628.90	22.46	26.05	3.59	3,605.90
MW - 3	04/13/04	3,628.90	22.55	26.51	3.96	3,605.76
MW - 3	04/20/04	3,628.90	21.87	26.12	4.25	3,606.39
MW - 3	04/27/04	3,628.90	21.91	25.83	3.92	3,606.40
MW - 3	05/25/04	3,628.90	21.88	26.20	4.32	3,606.37
MW - 3	06/03/04	3,628.90	21.87	26.42	4.55	3,606.35
MW - 3	06/17/04	3,628.90	21.86	26.62	4.76	3,606.33
MW - 3	06/23/04	3,628.90	21.84	26.65	4.81	3,606.34
MW - 3	06/25/04	3,628.90	21.88	26.69	4.81	3,606.30
MW - 3	07/01/04	3,628.90	21.92	26.53	4.61	3,606.29

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 3	07/12/04	3,628.90	21.84	26.81	4.97	3,606.31
MW - 3	07/15/04	3,628.90	21.83	26.88	5.05	3,606.31
MW - 3	07/21/04	3,628.90	21.83	26.88	5.05	3,606.31
MW - 3	08/02/04	3,628.90	21.81	26.90	5.09	3,606.33
MW - 3	08/11/04	3,628.90	21.83	26.69	4.86	3,606.34
MW - 3	08/13/04	3,628.90	21.88	26.94	5.06	3,606.26
MW - 3	08/16/04	3,628.90	21.83	27.00	5.17	3,606.29
MW - 3	08/19/04	3,628.90	21.82	27.06	5.24	3,606.29
MW - 3	08/26/04	3,628.90	22.88	26.50	3.62	3,605.48
MW - 3	08/31/04	3,628.90	22.03	26.09	4.06	3,606.26
MW - 3	09/13/04	3,628.90	21.96	25.86	3.90	3,606.36
MW - 3	09/21/04	3,628.90	22.00	25.85	3.85	3,606.32
MW - 3	09/29/04	3,628.90	21.58	24.35	2.77	3,606.90
MW - 3	10/05/04	3,628.90	21.21	24.30	3.09	3,607.23
MW - 3	10/12/04	3,628.90	21.25	24.45	3.20	3,607.17
MW - 3	10/19/04	3,628.90	21.43	24.72	3.29	3,606.98
MW - 3	10/25/04	3,628.90	21.60	24.69	3.09	3,606.84
MW - 3	11/01/04	3,628.90	22.56	25.66	3.10	3,605.88
MW - 3	11/09/04	3,628.90	22.40	24.99	2.59	3,606.11
MW - 3	11/16/04	3,628.90	21.64	25.50	3.86	3,606.68
MW - 3	11/22/04	3,628.90	21.04	24.86	3.82	3,607.29
MW - 3	11/29/04	3,628.90	21.36	24.61	3.25	3,607.05
MW - 3	12/10/04	3,628.90	21.04	24.70	3.66	3,607.31
MW - 3	12/13/04	3,628.90	21.04	24.70	3.66	3,607.31
MW - 3	12/20/04	3,628.90	21.10	25.27	4.17	3,607.17
MW - 3	12/27/04	3,628.90	21.29	24.93	3.64	3,607.06
MW - 3	01/10/05	3,628.90	21.69	24.97	3.28	3,606.72
MW - 3	01/17/05	3,628.90	21.40	25.10	3.70	3,606.95
MW - 3	01/24/05	3,628.90	21.47	25.13	3.66	3,606.88
MW - 3	01/31/05	3,628.90	21.53	25.15	3.62	3,606.83
MW - 3	02/07/05	3,628.90	21.55	25.13	3.58	3,606.81
MW - 3	02/14/05	3,628.90	21.62	25.10	3.48	3,606.76
MW - 3	02/21/05	3,628.90	21.64	25.14	3.50	3,606.74
MW - 3	02/28/05	3,628.90	21.69	25.13	3.44	3,606.69
MW - 3	03/07/05	3,628.90	21.76	25.05	3.29	3,606.65
MW - 3	03/14/05	3,628.90	21.70	25.00	3.30	3,606.71
MW - 3	03/16/05	3,628.90	21.56	25.08	3.52	3,606.81
MW - 3	03/21/05	3,628.90	21.71	25.00	3.29	3,606.70
MW - 3	03/28/05	3,628.90	21.69	25.08	3.39	3,606.70

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 3	04/04/05	3,628.90	21.73	25.09	3.36	3,606.67
MW - 3	04/13/05	3,628.90	21.75	25.01	3.26	3,606.66
MW - 3	04/18/05	3,628.90	21.76	25.06	3.30	3,606.65
MW - 3	05/23/05	3,628.90	21.72	25.52	3.80	3,606.61
MW - 3	06/02/05	3,628.90	21.81	25.40	3.59	3,606.55
MW - 3	06/07/05	3,628.90	21.72	25.70	3.98	3,606.58
MW - 3	06/13/05	3,628.90	21.76	25.43	3.67	3,606.59
MW - 3	06/14/05	3,628.90	21.76	25.43	3.67	3,606.59
MW - 3	06/21/05	3,628.90	21.74	25.70	3.96	3,606.57
MW - 3	06/28/05	3,628.90	21.81	25.54	3.73	3,606.53
MW - 3	07/13/05	3,628.90	21.84	25.12	3.28	3,606.57
MW - 3	07/19/05	3,628.90	21.93	25.15	3.22	3,606.49
MW - 3	07/26/05	3,628.90	21.82	25.40	3.58	3,606.54
MW - 3	08/01/05	3,628.90	21.87	25.33	3.46	3,606.51
MW - 3	08/10/05	3,628.90	21.86	25.45	3.59	3,606.50
MW - 3	08/15/05	3,628.90	21.90	25.16	3.26	3,606.51
MW - 3	08/24/05	3,628.90	21.87	25.30	3.43	3,606.52
MW - 3	08/30/05	3,628.90	21.88	25.11	3.23	3,606.54
MW - 3	09/07/05	3,628.90	21.86	25.14	3.28	3,606.55
MW - 3	09/12/05	3,628.90	21.89	25.00	3.11	3,606.54
MW - 3	09/13/05	3,628.90	21.85	25.08	3.23	3,606.57
MW - 3	09/20/05	3,628.90	21.90	25.09	3.19	3,606.52
MW - 3	09/26/05	3,628.90	21.84	25.50	3.66	3,606.51
MW - 3	10/07/05	3,628.90	21.87	25.44	3.57	3,606.49
MW - 3	10/11/05	3,628.90	21.90	25.30	3.40	3,606.49
MW - 3	10/18/05	3,628.90	21.86	25.25	3.39	3,606.53
MW - 3	10/25/05	3,628.90	21.86	25.27	3.41	3,606.53
MW - 3	11/01/05	3,628.90	22.06	25.31	3.25	3,606.35
MW - 3	11/14/05	3,628.90	21.90	25.07	3.17	3,606.52
MW - 3	11/23/05	3,628.90	21.99	25.00	3.01	3,606.46
MW - 3	11/28/05	3,628.90	21.80	25.76	3.96	3,606.51
MW - 3	12/06/05	3,628.90	21.86	25.34	3.48	3,606.52
MW - 3	12/07/05	3,628.90	21.91	24.43	2.52	3,606.61
MW - 3	12/12/05	3,628.90	22.01	25.01	3.00	3,606.44
MW - 3	12/28/05	3,628.90	22.11	25.25	3.14	3,606.32
MW - 3	12/29/05	3,628.90	22.11	25.15	3.04	3,606.33
MW - 3	01/04/06	3,628.90	22.07	25.09	3.02	3,606.38
MW - 3	01/10/06	3,628.90	22.05	25.53	3.48	3,606.33
MW - 3	01/17/06	3,628.90	21.90	25.50	3.60	3,606.46

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 3	01/26/06	3,628.90	21.94	25.47	3.53	3,606.43
MW - 3	01/31/06	3,628.90	21.89	25.40	3.51	3,606.48
MW - 3	02/07/06	3,628.90	21.90	25.51	3.61	3,606.46
MW - 3	02/13/06	3,628.90	21.93	25.45	3.52	3,606.44
MW - 3	02/22/06	3,628.90	21.95	25.33	3.38	3,606.44
MW - 3	02/27/06	3,628.90	21.90	25.25	3.35	3,606.50
MW - 3	03/07/06	3,628.90	22.01	25.52	3.51	3,606.36
MW - 3	03/10/06	3,628.90	21.94	25.18	3.24	3,606.47
MW - 3	03/15/06	3,628.90	22.06	25.41	3.35	3,606.34
MW - 3	03/22/06	3,628.90	21.95	25.55	3.60	3,606.41
MW - 3	03/29/06	3,628.90	21.87	25.69	3.82	3,606.46
MW - 3	04/03/06	3,628.90	21.95	25.34	3.39	3,606.44
MW - 3	04/11/06	3,628.90	21.90	25.46	3.56	3,606.47
MW - 3	04/18/06	3,628.90	21.92	25.43	3.51	3,606.45
MW - 3	04/25/06	3,628.90	21.96	25.41	3.45	3,606.42
MW - 3	05/02/06	3,628.90	21.94	25.87	3.93	3,606.37
MW - 3	05/10/06	3,628.90	21.89	25.71	3.82	3,606.44
MW - 3	05/16/06	3,628.90	21.93	24.89	2.96	3,606.53
MW - 3	05/23/06	3,628.90	21.85	25.72	3.87	3,606.47
MW - 3	05/31/06	3,628.90	21.94	25.45	3.51	3,606.43
MW - 3	06/06/06	3,628.90	21.92	25.83	3.91	3,606.39
MW - 3	06/09/06	3,628.90	22.01	25.11	3.10	3,606.43
MW - 3	06/13/06	3,628.90	21.96	25.58	3.62	3,606.40
MW - 3	06/20/06	3,628.90	21.96	25.52	3.56	3,606.41
MW - 3	07/05/06	3,628.90	21.93	25.81	3.88	3,606.39
MW - 3	07/18/06	3,628.90	21.94	25.81	3.87	3,606.38
MW - 3	07/26/06	3,628.90	21.97	25.68	3.71	3,606.37
MW - 3	07/31/06	3,628.90	22.03	25.36	3.33	3,606.37
MW - 3	08/08/06	3,628.90	22.05	25.47	3.42	3,606.34
MW - 3	08/18/06	3,628.90	21.93	25.43	3.50	3,606.45
MW - 3	08/22/06	3,628.90	22.39	25.61	3.22	3,606.03
MW - 3	09/12/06	3,628.90	20.70	24.32	3.62	3,607.66
MW - 3	09/16/06	3,628.90	20.72	24.60	3.88	3,607.60
MW - 3	10/31/06	3,628.90	21.31	25.48	4.17	3,606.96
MW - 3	11/15/06	3,628.90	22.03	25.16	3.13	3,606.40
MW - 3	11/28/06	3,628.90	21.49	26.84	5.35	3,606.61
MW - 3	01/31/07	3,628.90	21.64	26.17	4.53	3,606.58
MW - 3	02/07/07	3,628.90	21.70	25.80	4.10	3,606.59
MW - 3	02/22/07	3,628.90	21.81	25.99	4.18	3,606.46

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 3	03/07/07	3,628.90	21.64	26.00	4.36	3,606.61
MW - 3	03/27/07	3,628.90	21.82	25.59	3.77	3,606.51
MW - 3	04/02/07	3,628.90	21.83	25.73	3.90	3,606.49
MW - 3	04/11/07	3,628.90	21.82	25.62	3.80	3,606.51
MW - 3	04/16/07	3,628.90	21.87	25.21	3.34	3,606.53
MW - 3	04/23/07	3,628.90	21.87	25.30	3.43	3,606.52
MW - 3	04/27/07	3,628.90	21.92	24.87	2.95	3,606.54
MW - 3	04/30/07	3,628.90	21.93	24.51	2.58	3,606.58
MW - 3	05/17/07	3,628.90	21.86	25.43	3.57	3,606.50
MW - 3	05/18/07	3,628.90	21.82	24.45	2.63	3,606.69
MW - 3	06/07/07	3,628.90	21.83	25.66	3.83	3,606.50
MW - 3	06/12/07	3,628.90	21.88	25.16	3.28	3,606.53
MW - 3	06/20/07	3,628.90	21.89	25.21	3.32	3,606.51
MW - 3	06/29/07	3,628.90	21.86	25.34	3.48	3,606.52
MW - 3	07/02/07	3,628.90	21.94	24.77	2.83	3,606.54
MW - 3	07/11/07	3,628.90	21.89	25.25	3.36	3,606.51
MW - 3	07/18/07	3,628.90	21.94	25.08	3.14	3,606.49
MW - 3	07/24/07	3,628.90	21.96	24.96	3.00	3,606.49
MW - 3	08/01/07	3,628.90	21.96	25.02	3.06	3,606.48
MW - 3	08/09/07	3,628.90	21.96	25.05	3.09	3,606.48
MW - 3	08/14/07	3,628.90	22.00	24.74	2.74	3,606.49
MW - 3	08/21/07	3,628.90	21.96	24.83	2.87	3,606.51
MW - 3	08/25/07	3,628.90	21.96	25.14	3.18	3,606.46
MW - 3	08/29/07	3,628.90	22.02	24.63	2.61	3,606.49
MW - 3	09/05/07	3,628.90	21.98	24.76	2.78	3,606.50
MW - 3	09/18/07	3,628.90	21.93	25.18	3.25	3,606.48
MW - 3	09/26/07	3,628.90	21.96	25.06	3.10	3,606.48
MW - 3	10/03/07	3,628.90	21.93	25.12	3.19	3,606.49
MW - 3	10/10/07	3,628.90	21.91	25.09	3.18	3,606.51
MW - 3	10/17/07	3,628.90	21.90	25.14	3.24	3,606.51
MW - 3	11/07/07	3,628.90	21.90	25.26	3.36	3,606.50
MW - 3	11/16/07	3,628.90	21.90	25.21	3.31	3,606.50
MW - 3	11/26/07	3,628.90	21.93	25.19	3.26	3,606.48
MW - 3	11/30/07	3,628.90	21.90	25.36	3.46	3,606.48
MW - 3	12/07/07	3,628.90	21.93	25.11	3.18	3,606.49
MW - 3	12/18/07	3,628.90	21.92	25.92	4.00	3,606.38
MW - 3	01/18/08	3,628.90	21.87	25.71	3.84	3,606.45
MW - 3	01/23/08	3,628.90	21.95	25.35	3.40	3,606.44
MW - 3	02/13/08	3,628.90	21.89	25.70	3.81	3,606.44

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 3	02/21/08	3,628.90	21.89	25.63	3.74	3,606.45
MW - 3	02/26/08	3,628.90	21.96	25.53	3.57	3,606.40
MW - 3	03/14/08	3,628.90	21.91	25.76	3.85	3,606.41
MW - 3	03/20/08	3,628.90	21.93	25.43	3.50	3,606.45
MW - 3	04/04/08	3,628.90	21.93	25.20	3.27	3,606.48
MW - 3	04/10/08	3,628.90	21.95	25.23	3.28	3,606.46
MW - 3	04/17/08	3,628.90	21.93	25.64	3.71	3,606.41
MW - 3	04/24/08	3,628.90	21.94	25.43	3.49	3,606.44
MW - 3	05/01/08	3,628.90	21.94	25.33	3.39	3,606.45
MW - 3	05/08/08	3,628.90	21.97	25.23	3.26	3,606.44
MW - 3	05/15/08	3,628.90	21.96	25.19	3.23	3,606.46
MW - 3	05/20/08	3,628.90	22.03	24.88	2.85	3,606.44
MW - 3	05/26/08	3,628.90	22.01	25.06	3.05	3,606.43
MW - 3	05/30/08	3,628.90	22.00	25.28	3.28	3,606.41
MW - 3	06/04/08	3,628.90	21.99	24.96	2.97	3,606.46
MW - 3	06/12/08	3,628.90	22.02	25.12	3.10	3,606.42
MW - 3	06/17/08	3,628.90	22.07	24.82	2.75	3,606.42
MW - 3	06/24/08	3,628.90	22.03	25.06	3.03	3,606.42
MW - 3	07/03/08	3,628.90	22.01	25.16	3.15	3,606.42
MW - 3	07/09/08	3,628.90	22.05	24.98	2.93	3,606.41
MW - 3	07/14/08	3,628.90	22.08	24.74	2.66	3,606.42
MW - 3	07/23/08	3,628.90	22.09	25.08	2.99	3,606.36
MW - 3	08/01/08	3,628.90	22.00	25.12	3.12	3,606.43
MW - 3	08/05/08	3,628.90	21.98	25.33	3.35	3,606.42
MW - 3	08/11/08	3,628.90	22.04	24.98	2.94	3,606.42
MW - 3	08/19/08	3,628.90	22.02	25.02	3.00	3,606.43
MW - 3	08/28/08	3,628.90	22.10	25.04	2.94	3,606.36
MW - 3	09/09/08	3,628.90	21.98	25.30	3.32	3,606.42
MW - 3	09/25/08	3,628.90	21.98	25.46	3.48	3,606.40
MW - 3	10/03/08	3,628.90	22.50	24.95	2.45	3,606.03
MW - 3	10/07/08	3,628.90	22.08	24.70	2.62	3,606.43
MW - 3	10/15/08	3,628.90	22.07	24.79	2.72	3,606.42
MW - 3	10/22/08	3,629.43	22.06	24.72	2.66	3,606.97
MW - 3	10/28/08	3,628.90	22.03	24.62	2.59	3,606.48
MW - 3	11/06/08	3,628.90	22.03	24.70	2.67	3,606.47
MW - 3	11/13/08	3,628.90	22.00	24.80	2.80	3,606.48
MW - 3	11/19/08	3,628.90	22.05	24.71	2.66	3,606.45
MW - 3	12/16/08	3,628.90	21.98	25.26	3.28	3,606.43
MW - 3	01/07/09	3,628.90	21.93	25.52	3.59	3,606.43

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 3	01/16/09	3,628.90	21.91	25.15	3.24	3,606.50
MW - 3	01/29/09	3,628.90	22.08	24.79	2.71	3,606.41
MW - 3	02/09/09	3,628.90	22.01	24.99	2.98	3,606.44
MW - 3	02/13/09	3,628.90	22.13	24.23	2.10	3,606.46
MW - 3	02/26/09	3,628.90	22.08	25.25	3.17	3,606.34
MW - 3	03/02/09	3,628.90	22.12	25.38	3.26	3,606.29
MW - 3	03/04/09	3,628.90	22.17	23.87	1.70	3,606.48
MW - 3	03/09/09	3,628.90	22.10	24.38	2.28	3,606.46
MW - 3	03/17/09	3,628.90	22.15	25.40	3.25	3,606.26
MW - 3	03/19/09	3,628.90	22.17	25.42	3.25	3,606.24
MW - 3	03/25/09	3,628.90	22.05	24.82	2.77	3,606.43
MW - 3	03/27/09	3,628.90	22.23	25.35	3.12	3,606.20
MW - 3	03/30/09	3,628.90	22.24	25.29	3.05	3,606.20
MW - 3	04/06/09	3,628.90	22.22	25.21	2.99	3,606.23
MW - 3	04/08/09	3,628.90	22.00	25.21	3.21	3,606.42
MW - 3	04/13/09	3,628.90	22.17	24.22	2.05	3,606.42
MW - 3	04/15/09	3,628.90	22.20	25.19	2.99	3,606.25
MW - 3	04/21/09	3,628.90	22.21	25.16	2.95	3,606.25
MW - 3	04/27/09	3,628.90	22.04	25.05	3.01	3,606.41
MW - 3	05/07/09	3,628.90	22.24	25.16	2.92	3,606.22
MW - 3	05/20/09	3,628.90	21.99	25.28	3.29	3,606.42
MW - 3	05/21/09	3,628.90	22.00	25.33	3.33	3,606.40
MW - 3	05/27/09	3,628.90	22.08	24.85	2.77	3,606.40
MW - 3	06/02/09	3,628.90	22.06	24.88	2.82	3,606.42
MW - 3	06/04/09	3,628.90	sheen	31.72	0.00	3,597.18
MW - 3	06/10/09	3,628.90	22.27	25.14	2.87	3,606.20
MW - 3	06/15/09	3,628.90	22.25	25.12	2.87	3,606.22
MW - 3	07/01/09	3,628.90	21.93	25.45	3.52	3,606.44
MW - 3	07/10/09	3,628.90	22.02	25.00	2.98	3,606.43
MW - 3	07/15/09	3,628.90	21.94	25.36	3.42	3,606.45
MW - 3	07/21/09	3,628.90	22.16	24.38	2.22	3,606.41
MW - 3	07/23/09	3,628.90	22.26	23.31	1.05	3,606.48
MW - 3	07/28/09	3,628.90	22.25	23.33	1.08	3,606.49
MW - 3	07/30/09	3,628.90	22.16	24.21	2.05	3,606.43
MW - 3	08/05/09	3,628.90	22.15	23.98	1.83	3,606.48
MW - 3	08/07/09	3,628.90	22.42	23.36	0.94	3,606.34
MW - 3	08/10/09	3,628.90	22.16	24.05	1.89	3,606.46
MW - 3	08/15/09	3,628.90	22.21	24.24	2.03	3,606.39
MW - 3	08/17/09	3,628.90	22.17	24.24	2.07	3,606.42

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 3	08/27/09	3,628.90	22.10	24.53	2.43	3,606.44
MW - 3	08/31/09	3,628.90	22.09	24.47	2.38	3,606.45
MW - 3	09/11/09	3,628.90	22.24	24.85	2.61	3,606.27
MW - 3	09/17/09	3,628.90	22.19	24.42	2.23	3,606.38
MW - 3	09/24/09	3,628.90	22.03	24.08	2.05	3,606.56
MW - 3	09/29/09	3,628.90	22.19	24.01	1.82	3,606.44
MW - 3	09/30/09	3,628.90	22.20	23.53	1.33	3,606.50
MW - 3	10/06/09	3,628.90	22.21	23.99	1.78	3,606.42
MW - 3	10/20/09	3,628.90	22.15	24.17	2.02	3,606.45
MW - 3	10/27/09	3,628.90	22.18	24.09	1.91	3,606.43
MW - 3	11/05/09	3,628.90	22.13	24.20	2.07	3,606.46
MW - 3	11/06/09	3,628.90	22.13	24.20	2.07	3,606.46
MW - 3	11/09/09	3,628.90	22.19	24.04	1.85	3,606.43
MW - 3	11/20/09	3,628.90	22.07	24.68	2.61	3,606.44
MW - 3	11/25/09	3,628.90	22.20	23.78	1.58	3,606.46
MW - 3	12/04/09	3,628.90	22.07	24.64	2.57	3,606.44
MW - 3	12/08/09	3,628.90	22.08	24.60	2.52	3,606.44
MW - 3	12/18/09	3,628.90	22.10	24.46	2.36	3,606.45
MW - 3	12/23/09	3,628.90	22.18	23.90	1.72	3,606.46
MW - 3	12/31/09	3,628.90	22.21	24.21	2.00	3,606.39
MW - 3	01/12/10	3,628.90	21.12	24.65	3.53	3,607.25
MW - 3	01/21/10	3,628.90	22.03	25.00	2.97	3,606.42
MW - 3	02/05/10	3,628.90	22.09	24.92	2.83	3,606.39
MW - 3	02/18/10	3,628.90	21.97	25.22	3.25	3,606.44
MW - 3	02/25/10	3,628.90	22.23	24.08	1.85	3,606.39
MW - 3	03/01/10	3,628.90	22.11	25.16	3.05	3,606.33
MW - 3	03/04/10	3,628.90	22.17	23.97	1.80	3,606.46
MW - 3	03/09/10	3,628.90	22.13	25.11	2.98	3,606.32
MW - 3	03/11/10	3,628.90	22.15	24.89	2.74	3,606.34
MW - 3	03/15/10	3,628.90	22.22	23.95	1.73	3,606.42
MW - 3	03/16/10	3,628.90	22.26	23.90	1.64	3,606.39
MW - 3	03/22/10	3,628.90	22.21	23.97	1.76	3,606.43
MW - 3	03/30/10	3,628.90	22.09	24.99	2.90	3,606.38
MW - 3	04/05/10	3,628.90	22.19	24.41	2.22	3,606.38
MW - 3	04/08/10	3,628.90	22.25	23.92	1.67	3,606.40
MW - 3	04/12/10	3,628.90	22.13	23.40	1.27	3,606.58
MW - 3	04/15/10	3,628.90	22.15	23.39	1.24	3,606.56
MW - 3	04/28/10	3,628.90	22.09	24.88	2.79	3,606.39
MW - 3	05/03/10	3,628.90	22.25	23.89	1.64	3,606.40

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 3	05/05/10	3,628.90	22.05	24.05	2.00	3,606.55
MW - 3	05/12/10	3,628.90	22.07	24.00	1.93	3,606.54
MW - 3	05/14/10	3,628.90	22.05	23.97	1.92	3,606.56
MW - 3	05/21/10	3,628.90	22.03	23.96	1.93	3,606.58
MW - 3	05/28/10	3,628.90	22.00	25.07	3.07	3,606.44
MW - 3	06/04/10	3,628.90	22.02	23.97	1.95	3,606.59
MW - 3	06/07/10	3,628.90	22.12	24.94	2.82	3,606.36
MW - 3	06/09/10	3,628.90	22.17	23.95	1.78	3,606.46
MW - 3	06/16/10	3,628.90	22.11	24.55	2.44	3,606.42
MW - 3	06/29/10	3,628.90	22.13	24.53	2.40	3,606.41
MW - 3	07/09/10	3,628.90	21.34	23.39	2.05	3,607.25
MW - 3	07/16/10	3,628.90	21.44	23.64	2.20	3,607.13
MW - 3	07/23/10	3,628.90	21.52	24.03	2.51	3,607.00
MW - 3	07/30/10	3,628.90	21.57	24.20	2.63	3,606.94
MW - 3	08/02/10	3,628.90	22.13	24.54	2.41	3,606.41
MW - 3	08/04/10	3,628.90	21.66	24.08	2.42	3,606.88
MW - 3	08/20/10	3,628.90	20.77	24.65	3.88	3,607.55
MW - 3	08/27/10	3,628.90	21.86	24.37	2.51	3,606.66
MW - 3	09/03/10	3,628.90	21.83	24.86	3.03	3,606.62
MW - 3	09/10/10	3,628.90	21.88	24.46	2.58	3,606.63
MW - 3	09/17/10	3,628.90	21.85	24.52	2.67	3,606.65
MW - 3	09/23/10	3,628.90	22.06	23.85	1.79	3,606.57
MW - 3	10/01/10	3,628.90	22.08	23.83	1.75	3,606.56
MW - 3	10/08/10	3,628.90	21.85	25.15	3.30	3,606.56
MW - 3	10/13/10	3,628.90	21.92	24.68	2.76	3,606.57
MW - 3	11/01/10	3,628.90	21.92	25.14	3.22	3,606.50
MW - 3	11/05/10	3,628.90	21.86	24.53	2.67	3,606.64
MW - 3	11/12/10	3,628.90	21.28	24.61	3.33	3,607.12
MW - 3	11/19/10	3,628.90	21.82	25.40	3.58	3,606.54
MW - 3	12/03/10	3,628.90	21.82	25.53	3.71	3,606.52
MW - 3	12/10/10	3,628.90	21.93	23.87	1.94	3,606.68
MW - 3	12/17/10	3,628.90	21.90	24.42	2.52	3,606.62
MW - 3	01/20/11	3,628.90	21.71	24.02	2.31	3,606.84
MW - 3	02/07/11	3,628.90	21.91	25.16	3.25	3,606.50
MW - 3	05/02/11	3,628.90	21.88	26.02	4.14	3,606.40
MW - 3	05/09/11	3,628.90	22.35	22.75	0.40	3,606.49
MW - 3	05/10/11	3,628.90	22.37	22.74	0.37	3,606.47
MW - 3	05/19/11	3,628.90	22.22	24.18	1.96	3,606.39
MW - 3	05/27/11	3,628.90	22.09	24.46	2.37	3,606.45

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 3	06/10/11	3,628.90	22.13	24.38	2.25	3,606.43
MW - 3	06/24/11	3,628.90	22.20	24.46	2.26	3,606.36
MW - 3	07/01/11	3,628.90	22.18	24.75	2.57	3,606.33
MW - 3	07/12/11	3,628.90	22.03	25.15	3.12	3,606.40
MW - 3	07/22/11	3,628.90	22.05	25.05	3.00	3,606.40
MW - 3	08/04/11	3,628.90	22.01	25.41	3.40	3,606.38
MW - 3	08/08/11	3,628.90	22.37	22.78	0.41	3,606.47
MW - 3	08/11/11	3,628.90	22.08	24.91	2.83	3,606.40
MW - 3	08/24/11	3,628.90	22.10	24.79	2.69	3,606.40
MW - 3	09/02/11	3,628.90	22.07	25.16	3.09	3,606.37
MW - 3	09/07/11	3,628.90	22.11	24.56	2.45	3,606.42
MW - 3	09/09/11	3,628.90	22.08	24.73	2.65	3,606.42
MW - 3	09/14/11	3,628.90	22.52	22.71	0.19	3,606.35
MW - 3	09/22/11	3,628.90	22.27	23.54	1.27	3,606.44
MW - 3	10/26/11	3,628.90	22.04	25.10	3.06	3,606.40
MW - 3	10/14/11	3,628.90	22.08	24.70	2.62	3,606.43
MW - 3	11/10/11	3,628.90	22.02	25.14	3.12	3,606.41
MW - 3	11/14/11	3,628.90	22.02	25.14	3.12	3,606.41
MW - 3	12/02/11	3,628.90	21.96	25.40	3.44	3,606.42
MW - 3	12/09/11	3,628.90	22.01	24.86	2.85	3,606.46
MW - 3	12/13/11	3,628.90	22.02	24.89	2.87	3,606.45
MW - 3	12/23/11	3,628.90	22.04	24.87	2.83	3,606.44
MW - 3	12/29/11	3,628.90	22.11	24.41	2.30	3,606.45
MW - 3	01/04/12	3,628.90	22.11	24.26	2.15	3,606.47
MW - 3	01/13/12	3,628.90	22.17	24.28	2.11	3,606.41
MW - 3	01/30/12	3,628.90	22.13	24.20	2.07	3,606.46
MW - 3	02/06/12	3,628.90	22.07	24.80	2.73	3,606.42
MW - 3	02/13/12	3,628.90	22.34	23.04	0.70	3,606.46
MW - 3	02/14/12	3,628.90	22.34	23.04	0.70	3,606.46
MW - 3	03/13/12	3,628.90	22.62	22.79	0.17	3,606.25
MW - 3	03/15/12	3,628.90	22.66	22.97	0.31	3,606.19
MW - 3	03/20/12	3,628.90	22.43	23.29	0.86	3,606.34
MW - 3	03/22/12	3,628.90	21.55	22.52	0.97	3,607.20
MW - 3	03/27/12	3,628.90	22.30	23.60	1.30	3,606.41
MW - 3	03/29/12	3,628.90	22.69	24.08	1.39	3,606.00
MW - 3	04/02/12	3,628.90	22.45	24.09	1.64	3,606.20
MW - 3	04/09/12	3,628.90	22.81	22.88	0.07	3,606.08
MW - 3	04/12/12	3,628.90	22.78	22.86	0.08	3,606.11
MW - 3	04/17/12	3,628.90	22.81	22.90	0.09	3,606.08

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 3	04/19/12	3,628.90	22.65	22.66	0.01	3,606.25
MW - 3	04/23/12	3,628.90	22.48	22.51	0.03	3,606.42
MW - 3	04/26/12	3,628.90	22.64	23.02	0.38	3,606.20
MW - 3	05/21/12	3,628.90	22.54	23.98	1.44	3,606.14
MW - 3	06/06/12	3,628.90	22.55	24.95	2.40	3,605.99
MW - 3	06/11/12	3,628.90	23.34	25.03	1.69	3,605.31
MW - 3	06/18/12	3,628.90	22.39	24.03	1.64	3,606.26
MW - 3	06/25/12	3,628.90	22.36	25.16	2.80	3,606.12
MW - 3	07/02/12	3,628.90	22.40	24.05	1.65	3,606.25
MW - 3	07/09/12	3,628.90	22.08	24.70	2.62	3,606.43
MW - 3	07/16/12	3,628.90	22.06	25.05	2.99	3,606.39
MW - 3	08/01/12	3,628.90	22.33	25.27	2.94	3,606.13
MW - 3	08/14/12	3,628.90	22.46	24.00	1.54	3,606.21
MW - 3	08/21/12	3,628.90	21.99	24.46	2.47	3,606.54
MW - 3	09/04/12	3,628.90	22.51	23.74	1.23	3,606.21
MW - 3	09/10/12	3,628.90	22.08	25.17	3.09	3,606.36
MW - 3	09/19/12	3,628.90	22.31	25.81	3.50	3,606.07
MW - 3	09/24/12	3,628.90	22.20	24.27	2.07	3,606.39
MW - 3	10/01/12	3,628.90	22.20	24.30	2.10	3,606.39
MW - 3	10/08/12	3,628.90	22.20	24.25	2.05	3,606.39
MW - 3	10/10/12	3,628.90	21.31	23.60	2.29	3,607.25
MW - 3	10/15/12	3,628.90	22.23	24.03	1.80	3,606.40
MW - 3	10/22/12	3,628.90	22.21	24.11	1.90	3,606.41
MW - 3	10/24/12	3,628.90	22.25	23.68	1.43	3,606.44
MW - 3	10/29/12	3,628.90	22.49	23.38	0.89	3,606.28
MW - 3	11/06/12	3,628.90	22.59	23.40	0.81	3,606.19
MW - 3	12/04/12	3,628.90	22.41	23.71	1.30	3,606.30
MW - 3	12/10/12	3,628.90	22.36	23.31	0.95	3,606.40
MW - 3	12/17/12	3,628.90	22.55	22.78	0.23	3,606.32
MW - 3	12/27/12	3,628.90	22.31	23.77	1.46	3,606.37
MW - 3	01/14/13	3,628.90	22.41	22.44	0.03	3,606.49
MW - 3	02/04/13	3,628.90	22.11	24.94	2.83	3,606.37
MW - 3	02/05/13	3,628.90	22.11	24.97	2.86	3,606.36
MW - 3	02/20/13	3,628.90	22.01	25.14	3.13	3,606.42
MW - 3	03/04/13	3,628.90	23.43	24.21	0.78	3,605.35
MW - 3	03/26/13	3,628.90	22.71	24.60	1.89	3,605.91
MW - 3	04/10/13	3,628.90	22.33	24.52	2.19	3,606.24
MW - 3	04/17/13	3,628.90	22.41	24.39	1.98	3,606.19
MW - 3	04/24/13	3,628.90	22.72	25.47	2.75	3,605.77

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 3	05/02/13	3,628.90	22.37	23.46	1.09	3,606.37
MW - 3	05/09/13	3,628.90	22.56	22.82	0.26	3,606.30
MW - 3	05/17/13	3,628.90	22.42	22.97	0.55	3,606.40
MW - 3	05/22/13	3,628.90	22.52	22.65	0.13	3,606.36
MW - 3	05/29/13	3,628.90	22.62	23.15	0.53	3,606.20
MW - 3	06/03/13	3,628.90	22.42	22.89	0.47	3,606.41
MW - 3	06/20/13	3,628.90	22.51	22.78	0.27	3,606.35
MW - 3	06/25/13	3,628.90	22.67	23.19	0.52	3,606.15
MW - 3	07/02/13	3,628.90	22.42	23.09	0.67	3,606.38
MW - 3	07/09/13	3,628.90	22.57	23.51	0.94	3,606.19
MW - 3	07/16/13	3,628.90	22.54	23.99	1.45	3,606.14
MW - 3	07/24/13	3,628.90	22.56	23.97	1.41	3,606.13
MW - 3	07/31/13	3,628.90	22.55	23.96	1.41	3,606.14
MW - 3	08/01/13	3,628.90	22.48	24.11	1.63	3,606.18
MW - 3	08/06/13	3,628.90	22.14	24.29	2.15	3,606.44
MW - 3	08/07/13	3,628.90	22.43	23.37	0.94	3,606.33
MW - 3	08/16/13	3,628.90	22.33	23.93	1.60	3,606.33
MW - 3	09/12/13	3,628.90	22.45	22.47	0.02	3,606.45
MW - 3	09/25/13	3,628.90	22.43	22.46	0.03	3,606.47
MW - 3	09/30/13	3,628.90	22.40	22.75	0.35	3,606.45
MW - 3	10/09/13	3,628.90	22.45	22.51	0.06	3,606.44
MW - 3	10/14/13	3,628.90	22.46	22.48	0.02	3,606.44
MW - 3	10/22/13	3,628.90	22.42	22.77	0.35	3,606.43
MW - 3	10/30/13	3,628.90	22.32	23.33	1.01	3,606.43
MW - 3	11/07/13	3,628.90	22.43	22.51	0.08	3,606.46
MW - 3	11/27/13	3,628.90	22.25	23.68	1.43	3,606.44
MW - 3	12/04/13	3,628.90	22.41	22.42	0.01	3,606.49
MW - 3	12/10/13	3,628.90	22.36	23.05	0.69	3,606.44
MW - 3	12/16/13	3,628.90	22.33	23.43	1.10	3,606.41
MW - 3	12/24/13	3,628.90	22.45	22.48	0.03	3,606.45
MW - 3	01/06/14	3,628.90	22.52	22.62	0.10	3,606.37
MW - 3	01/16/14	3,628.90	22.35	23.26	0.91	3,606.41
MW - 3	01/21/14	3,628.90	22.96	23.50	0.54	3,605.86
MW - 3	02/11/14	3,628.90	22.33	23.62	1.29	3,606.38
MW - 3	02/17/14	3,628.90	22.31	23.84	1.53	3,606.36
MW - 3	02/27/14	3,628.90	22.39	23.04	0.65	3,606.41
MW - 3	03/25/14	3,628.90	22.53	22.56	0.03	3,606.37
MW - 3	04/01/14	3,628.90	22.71	22.78	0.07	3,606.18
MW - 3	04/08/14	3,628.90	22.41	22.42	0.01	3,606.49

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 3	04/15/14	3,628.90	22.60	23.10	0.50	3,606.23
MW - 3	04/29/14	3,628.90	22.49	22.62	0.13	3,606.39
MW - 3	05/06/14	3,628.90	22.45	22.55	0.10	3,606.44
MW - 3	05/07/14	3,628.90	22.62	22.67	0.05	3,606.27
MW - 3	05/12/14	3,628.90	22.61	22.75	0.14	3,606.27
MW - 3	05/19/14	3,628.90	22.65	22.75	0.10	3,606.24
MW - 3	05/27/14	3,628.90	22.39	22.91	0.52	3,606.43
MW - 3	06/03/14	3,628.90	22.64	23.34	0.70	3,606.16
MW - 3	06/09/14	3,628.90	22.56	23.63	1.07	3,606.18
MW - 3	06/23/14	3,628.90	22.46	24.15	1.69	3,606.19
MW - 3	06/30/14	3,628.90	23.32	24.34	1.02	3,605.43
MW - 3	07/07/14	3,628.90	22.37	24.35	1.98	3,606.23
MW - 3	07/23/14	3,628.90	22.37	24.85	2.48	3,606.16
MW - 3	07/28/14	3,628.90	22.38	24.90	2.52	3,606.14
MW - 3	08/06/14	3,628.90	22.34	24.82	2.48	3,606.19
MW - 3	08/21/14	3,628.90	22.32	24.98	2.66	3,606.18
MW - 3	08/26/14	3,628.90	22.23	25.02	2.79	3,606.25
MW - 3	09/06/14	3,628.90	22.23	25.08	2.85	3,606.24
MW - 3	10/10/14	3,628.90	21.46	21.53	0.07	3,607.43
MW - 3	10/31/14	3,628.90	21.06	21.08	0.02	3,607.84
MW - 3	11/05/14	3,628.90	22.01	22.28	0.27	3,606.85
MW - 3	11/12/14	3,628.90	22.03	22.10	0.07	3,606.86
MW - 3	11/18/14	3,628.90	22.11	22.27	0.16	3,606.77
MW - 3	12/01/14	3,628.90	22.17	23.24	1.07	3,606.57
MW - 3	12/23/14	3,628.90	21.95	22.09	0.14	3,606.93
MW - 3	01/16/15	3,628.90	22.33	24.95	2.62	3,606.18
MW - 3	01/26/15	3,628.90	22.25	24.01	1.76	3,606.39
MW - 3	02/13/15	3,628.90	22.20	24.78	2.58	3,606.31
MW - 3	02/25/15	3,628.90	22.40	24.56	2.16	3,606.18
MW - 3	03/05/15	3,628.90	22.12	24.54	2.42	3,606.42
MW - 3	03/10/15	3,628.90	22.44	23.94	1.50	3,606.24
MW - 3	03/12/15	3,628.90	22.34	23.95	1.61	3,606.32
MW - 3	03/17/15	3,628.90	22.42	23.60	1.18	3,606.30
MW - 3	04/01/15	3,628.90	22.35	24.18	1.83	3,606.28
MW - 3	04/08/15	3,628.90	22.39	23.62	1.23	3,606.33
MW - 3	04/15/15	3,628.90	22.42	23.71	1.29	3,606.29
MW - 3	04/23/15	3,628.90	21.94	22.07	0.13	3,606.94
MW - 3	04/30/15	3,628.90	22.22	23.76	1.54	3,606.45
MW - 3	05/19/15	3,628.90	22.10	23.82	1.72	3,606.54

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 3	05/29/15	3,628.90	22.42	24.58	2.16	3,606.16
MW - 3	06/05/15	3,628.90	22.31	23.61	1.30	3,606.40
MW - 3	06/10/15	3,628.90	22.34	23.50	1.16	3,606.39
MW - 3	06/17/15	3,628.90	22.52	23.78	1.26	3,606.19
MW - 3	06/26/15	3,628.90	22.34	23.75	1.41	3,606.35
MW - 3	07/01/15	3,628.90	22.68	23.69	1.01	3,606.07
MW - 3	07/06/15	3,628.90	22.29	23.36	1.07	3,606.45
MW - 3	07/10/15	3,628.90	22.43	23.37	0.94	3,606.33
MW - 3	07/15/15	3,628.90	22.38	23.62	1.24	3,606.33
MW - 3	07/21/15	3,628.90	22.29	23.47	1.18	3,606.43
MW - 3	07/29/15	3,628.90	22.50	23.81	1.31	3,606.20
MW - 3	08/06/15	3,628.90	22.26	23.50	1.24	3,606.45
MW - 3	08/14/15	3,628.90	22.27	23.93	1.66	3,606.38
MW - 3	08/19/15	3,628.90	22.20	23.33	1.13	3,606.53
MW - 3	08/26/15	3,628.90	22.19	23.31	1.12	3,606.54
MW - 3	09/02/15	3,628.90	22.19	23.39	1.20	3,606.53
MW - 3	09/08/15	3,628.90	22.21	23.24	1.03	3,606.54
MW - 3	09/17/15	3,628.90	22.21	23.43	1.22	3,606.51
MW - 3	09/23/15	3,628.90	22.21	23.30	1.09	3,606.53
MW - 3	09/29/15	3,628.90	22.20	23.30	1.10	3,606.54
MW - 3	10/01/15	3,628.90	22.18	23.40	1.22	3,606.54
MW - 3	10/07/15	3,628.90	22.21	23.28	1.07	3,606.53
MW - 3	10/14/15	3,628.90	22.21	23.34	1.13	3,606.52
MW - 3	11/04/15	3,628.90	22.06	24.02	1.96	3,606.55
MW - 3	11/12/15	3,628.90	22.13	23.70	1.57	3,606.53
MW - 3	12/02/15	3,628.90	22.04	24.49	2.45	3,606.49
MW - 3	12/08/15	3,628.90	22.13	23.71	1.58	3,606.53
MW - 3	12/10/15	3,628.90	22.20	23.25	1.05	3,606.54
MW - 3	12/14/15	3,628.90	22.17	23.57	1.40	3,606.52
MW - 3	12/21/15	3,628.90	22.13	23.91	1.78	3,606.50
MW - 3	01/11/16	3,628.90	22.08	24.32	2.24	3,606.48
MW - 3	01/13/16	3,628.90	22.21	23.24	1.03	3,606.54
MW - 3	01/22/16	3,628.90	22.17	23.80	1.63	3,606.49
MW - 3	01/25/16	3,628.90	22.23	23.30	1.07	3,606.51
MW - 3	02/05/16	3,628.90	22.20	23.61	1.41	3,606.49
MW - 3	02/08/16	3,628.90	22.24	23.25	1.01	3,606.51
MW - 3	02/10/16	3,628.90	22.21	23.38	1.17	3,606.51
MW - 3	02/17/16	3,628.90	22.20	23.43	1.23	3,606.52
MW - 3	02/24/16	3,628.90	22.21	23.42	1.21	3,606.51

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 3	03/01/16	3,628.90	22.28	23.35	1.07	3,606.46
MW - 3	03/08/16	3,628.90	22.24	23.35	1.11	3,606.49
MW - 3	03/11/16	3,628.90	22.25	23.13	0.88	3,606.52
MW - 3	03/15/16	3,628.90	22.23	23.40	1.17	3,606.49
MW - 3	03/24/16	3,628.90	22.22	23.49	1.27	3,606.49
MW - 3	03/30/16	3,628.90	22.16	23.78	1.62	3,606.50
MW - 3	04/07/16	3,628.90	22.20	23.59	1.39	3,606.49
MW - 3	04/12/16	3,628.90	22.22	23.28	1.06	3,606.52
MW - 3	04/18/16	3,628.90	22.25	23.31	1.06	3,606.49
MW - 3	04/25/16	3,628.90	22.23	23.28	1.05	3,606.51
MW - 3	05/03/16	3,628.90	22.23	23.33	1.10	3,606.51
MW - 3	05/12/16	3,628.90	22.25	23.43	1.18	3,606.47
MW - 3	05/16/16	3,628.90	22.19	23.60	1.41	3,606.50
MW - 3	05/26/16	3,628.90	22.20	23.52	1.32	3,606.50
MW - 3	06/08/16	3,628.90	22.20	23.70	1.50	3,606.48
MW - 3	06/15/16	3,628.90	22.24	23.43	1.19	3,606.48
MW - 3	06/20/16	3,628.90	22.28	23.29	1.01	3,606.47
MW - 3	06/29/16	3,628.90	22.24	23.43	1.19	3,606.48
MW - 3	07/07/16	3,628.90	22.26	23.39	1.13	3,606.47
MW - 3	07/11/16	3,628.90	22.29	23.16	0.87	3,606.48
MW - 3	07/19/16	3,628.90	22.27	23.30	1.03	3,606.48
MW - 3	07/25/16	3,628.90	22.29	23.22	0.93	3,606.47
MW - 3	08/01/16	3,628.90	22.29	23.25	0.96	3,606.47
MW - 3	08/11/16	3,628.90	22.24	23.40	1.16	3,606.49
MW - 3	08/15/16	3,628.90	22.29	23.10	0.81	3,606.49
MW - 3	08/29/16	3,628.90	22.15	23.44	1.29	3,606.56
MW - 3	09/07/16	3,628.90	21.95	23.20	1.25	3,606.76
MW - 3	09/13/16	3,628.90	22.01	23.13	1.12	3,606.72
MW - 3	09/21/16	3,628.90	21.99	23.18	1.19	3,606.73
MW - 3	09/28/16	3,628.90	22.03	23.18	1.15	3,606.70
MW - 3	10/04/16	3,628.90	22.07	23.12	1.05	3,606.67
MW - 3	10/18/16	3,628.90	22.10	23.22	1.12	3,606.63
MW - 3	10/25/16	3,628.90	22.06	23.70	1.64	3,606.59
MW - 3	11/01/16	3,628.90	22.11	23.51	1.40	3,606.58
MW - 3	11/10/16	3,628.90	22.12	23.54	1.42	3,606.57
MW - 3	11/18/16	3,628.90	22.19	23.45	1.26	3,606.52
MW - 3	11/23/16	3,628.90	22.18	23.26	1.08	3,606.56
MW - 3	12/07/16	3,628.90	22.13	23.75	1.62	3,606.53
MW - 3	12/15/16	3,628.90	22.13	23.58	1.45	3,606.55

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 3	12/21/16	3,628.90	22.18	23.33	1.15	3,606.55
MW - 3	12/27/16	3,628.90	22.18	23.21	1.03	3,606.57
MW - 3	01/04/17	3,628.90	22.18	23.38	1.20	3,606.54
MW - 3	01/09/17	3,628.90	22.20	23.18	0.98	3,606.55
MW - 3	01/17/17	3,628.90	22.17	23.22	1.05	3,606.57
MW - 3	01/23/17	3,628.90	22.19	23.31	1.12	3,606.54
MW - 3	02/01/17	3,628.90	22.21	23.31	1.10	3,606.53
MW - 3	02/15/17	3,628.90	22.21	23.33	1.12	3,606.52
MW - 3	02/20/17	3,628.90	22.24	23.21	0.97	3,606.51
MW - 3	02/28/17	3,628.90	22.20	23.26	1.06	3,606.54
MW - 3	03/08/17	3,628.90	22.21	23.34	1.13	3,606.52
MW - 3	03/13/17	3,628.90	22.27	23.16	0.89	3,606.50
MW - 3	03/20/17	3,628.90	22.24	23.26	1.02	3,606.51
MW - 3	03/27/17	3,628.90	22.25	23.28	1.03	3,606.50
MW - 3	04/05/17	3,628.90	22.24	23.38	1.14	3,606.49
MW - 3	04/10/17	3,628.90	22.26	23.23	0.97	3,606.49
MW - 3	04/24/17	3,628.90	22.21	23.24	1.03	3,606.54
MW - 3	05/01/17	3,628.90	22.24	23.30	1.06	3,606.50
MW - 3	05/08/17	3,628.90	22.26	23.26	1.00	3,606.49
MW - 3	05/15/17	3,628.90	22.25	23.27	1.02	3,606.50
MW - 3	05/26/17	3,628.90	22.24	23.51	1.27	3,606.47
MW - 3	06/02/17	3,628.90	22.25	23.26	1.01	3,606.50
MW - 3	06/09/17	3,628.90	22.26	23.23	0.97	3,606.49
MW - 3	06/13/17	3,628.90	22.28	23.06	0.78	3,606.50
MW - 3	06/19/17	3,628.90	22.28	23.15	0.87	3,606.49
MW - 3	06/28/17	3,628.90	22.26	23.22	0.96	3,606.50
MW - 3	07/03/17	3,628.90	22.26	23.12	0.86	3,606.51
MW - 3	07/11/17	3,628.90	22.28	23.25	0.97	3,606.47
MW - 3	07/17/17	3,628.90	22.28	23.17	0.89	3,606.49
MW - 3	07/24/17	3,628.90	22.30	23.12	0.82	3,606.48
MW - 3	08/03/17	3,628.90	22.32	23.32	1.00	3,606.43
MW - 3	08/10/17	3,628.90	22.20	23.12	0.92	3,606.56
MW - 3	08/16/17	3,628.90	22.19	23.10	0.91	3,606.57
MW - 3	08/28/17	3,628.90	21.96	23.26	1.30	3,606.75
MW - 3	09/06/17	3,628.90	22.26	23.22	0.96	3,606.50
MW - 3	09/12/17	3,628.90	22.10	23.04	0.94	3,606.66
MW - 3	09/19/17	3,628.90	22.12	23.12	1.00	3,606.63
MW - 3	10/04/17	3,628.90	22.17	23.22	1.05	3,606.57
MW - 3	10/09/17	3,628.90	22.20	22.97	0.77	3,606.58

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 3	10/16/17	3,628.90	22.21	22.99	0.78	3,606.57
MW - 3	10/24/17	3,628.90	22.21	23.09	0.88	3,606.56
MW - 3	11/01/17	3,628.90	22.20	23.23	1.03	3,606.55
MW - 3	11/06/17	3,628.90	22.22	23.05	0.83	3,606.56
MW - 3	11/17/17	3,628.90	22.15	23.38	1.23	3,606.57
MW - 3	11/22/17	3,628.90	22.24	22.98	0.74	3,606.55
MW - 3	11/30/17	3,628.90	22.22	23.25	1.03	3,606.53
MW - 3	12/06/17	3,628.90	22.22	23.21	0.99	3,606.53
MW - 3	12/14/17	3,628.90	22.23	23.22	0.99	3,606.52
MW - 3	12/22/17	3,628.90	22.21	23.44	1.23	3,606.51
MW - 3	12/28/17	3,628.90	22.22	23.17	0.95	3,606.54
MW - 3	01/08/18	3,628.90	22.27	23.01	0.74	3,606.52
MW - 3	01/17/18	3,628.90	22.23	23.28	1.05	3,606.51
MW - 3	01/23/18	3,628.90	22.27	23.11	0.84	3,606.50
MW - 3	01/30/18	3,628.90	22.25	23.09	0.84	3,606.52
MW - 3	02/05/18	3,628.90	22.27	23.20	0.93	3,606.49
MW - 3	02/12/18	3,628.90	22.28	23.08	0.80	3,606.50
MW - 3	02/19/18	3,628.90	22.25	23.11	0.86	3,606.52
MW - 3	03/01/18	3,628.90	22.26	23.34	1.08	3,606.48
MW - 3	03/06/18	3,628.90	22.31	23.05	0.74	3,606.48
MW - 3	03/12/18	3,628.90	22.31	23.01	0.70	3,606.49
MW - 3	03/20/18	3,628.90	22.29	23.10	0.81	3,606.49
MW - 3	03/26/18	3,628.90	22.30	23.10	0.80	3,606.48
MW - 3	04/02/18	3,628.90	22.29	23.08	0.79	3,606.49
MW - 3	04/10/18	3,628.90	22.31	23.13	0.82	3,606.47
MW - 3	04/17/18	3,628.90	22.30	23.02	0.72	3,606.49
MW - 3	04/23/18	3,628.90	22.32	23.00	0.68	3,606.48
MW - 3	05/02/18	3,628.90	22.31	23.15	0.84	3,606.46
MW - 3	05/09/18	3,628.90	22.30	23.09	0.79	3,606.48
MW - 3	05/15/18	3,628.90	22.33	23.05	0.72	3,606.46
MW - 3	05/23/18	3,628.90	22.32	23.04	0.72	3,606.47
MW - 3	05/29/18	3,628.90	22.32	23.05	0.73	3,606.47
MW - 3	06/07/18	3,628.90	22.30	23.27	0.97	3,606.45
MW - 3	06/15/18	3,628.90	22.31	23.17	0.86	3,606.46
MW - 3	06/20/18	3,628.90	22.34	23.35	1.01	3,606.41
MW - 3	06/29/18	3,628.90	22.32	23.15	0.83	3,606.46
MW - 3	07/03/18	3,628.90	22.35	22.98	0.63	3,606.46
MW - 3	07/13/18	3,628.90	22.31	23.25	0.94	3,606.45
MW - 3	07/17/18	3,628.90	22.35	23.00	0.65	3,606.45

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 3	07/27/18	3,628.90	22.32	23.20	0.88	3,606.45
MW - 3	08/01/18	3,628.90	22.32	23.15	0.83	3,606.46
MW - 3	08/08/18	3,628.90	22.34	23.04	0.70	3,606.46
MW - 3	08/14/18	3,628.90	22.34	23.06	0.72	3,606.45
MW - 3	08/24/18	3,628.90	22.31	23.14	0.83	3,606.47
MW - 3	08/28/18	3,628.90	22.33	22.99	0.66	3,606.47
MW - 3	09/05/18	3,628.90	22.34	23.15	0.81	3,606.44
MW - 3	09/12/18	3,628.90	22.30	22.98	0.68	3,606.50
MW - 3	09/17/18	3,628.90	22.33	22.89	0.56	3,606.49
MW - 3	09/26/18	3,628.90	22.31	23.04	0.73	3,606.48
MW - 3	10/02/18	3,628.90	22.29	23.08	0.79	3,606.49
MW - 3	10/12/18	3,628.90	22.27	23.16	0.89	3,606.50
MW - 3	10/16/18	3,628.90	22.31	22.97	0.66	3,606.49
MW - 3	10/23/18	3,628.90	22.30	22.96	0.66	3,606.50
MW - 3	11/14/18	3,628.90	22.18	23.36	1.18	3,606.54
MW - 3	12/10/18	3,628.90	22.17	23.81	1.64	3,606.48
MW - 3	12/26/18	3,628.90	22.18	23.60	1.42	3,606.51
MW - 3	01/10/19	3,628.90	22.19	23.60	1.41	3,606.50
MW - 3	01/23/19	3,628.90	22.20	23.72	1.52	3,606.47
MW - 3	02/11/19	3,628.90	22.20	23.68	1.48	3,606.48
MW - 3	03/14/19	3,628.90	22.23	23.59	1.36	3,606.47
MW - 3	03/28/19	3,628.90	22.23	23.63	1.40	3,606.46
MW - 3	04/10/19	3,628.90	22.23	23.35	1.12	3,606.50
MW - 3	04/25/19	3,628.90	22.27	23.45	1.18	3,606.45
MW - 3	05/07/19	3,628.90	22.26	23.49	1.23	3,606.46
MW - 3	05/24/19	3,628.90	22.27	23.53	1.26	3,606.44
MW - 3	06/14/19	3,628.90	22.23	23.71	1.48	3,606.45
MW - 3	06/26/19	3,628.90	22.29	23.44	1.15	3,606.44
MW - 3	07/10/19	3,628.90	22.30	23.31	1.01	3,606.45
MW - 3	07/30/19	3,628.90	22.26	23.67	1.41	3,606.43
MW - 3	08/15/19	3,628.90	22.30	23.45	1.15	3,606.43
MW - 3	08/19/19	3,628.90	22.34	23.07	0.73	3,606.45
MW - 3	09/03/19	3,628.90	22.28	23.50	1.22	3,606.44
MW - 3	09/16/19	3,628.90	22.29	23.56	1.27	3,606.42
MW - 3	10/23/19	3,628.90	22.16	24.21	2.05	3,606.43
MW - 3	11/12/19	3,628.90	22.22	23.79	1.57	3,606.44
MW - 3	11/18/19	3,628.90	22.28	23.10	0.82	3,606.50
MW - 3	12/11/19	3,628.90	22.19	24.21	2.02	3,606.41
MW - 3	12/27/19	3,628.90	22.23	23.60	1.37	3,606.46

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 3	01/08/20	3,628.90	22.22	23.58	1.36	3,606.48
MW - 3	01/20/20	3,628.90	22.27	23.38	1.11	3,606.46
MW - 3	02/12/20	3,628.90	22.25	23.83	1.58	3,606.41
MW - 3	02/26/20	3,628.90	22.25	23.60	1.35	3,606.45
MW - 3	03/03/20	3,628.90	22.28	23.40	1.12	3,606.45
MW - 3	03/19/20	3,628.90	22.25	23.60	1.35	3,606.45
MW - 3	05/12/20	3,628.90	22.11	24.62	2.51	3,606.41
MW - 3	06/04/20	3,628.90	22.22	24.02	1.80	3,606.41
MW - 3	07/31/20	3,628.90	22.16	24.76	2.60	3,606.35
MW - 3	08/11/20	3,628.90	22.30	23.90	1.60	3,606.36
MW - 3	08/17/20	3,628.90	22.37	23.27	0.90	3,606.40
MW-3 P&A 9/2/20----MW-3A Drilled 9/2/20						
MW - 3A	09/08/20	-	-	23.31	0.00	-
MW - 3A	10/07/20	-	-	23.28	0.00	-
MW - 3A	10/28/20	-	-	23.27	0.00	-
MW - 3A	11/18/20	-	-	23.25	0.00	-
MW - 3A	12/22/20	-	23.20	23.44	0.24	-
MW - 3A	01/18/21	-	23.22	23.45	0.23	-
MW - 3A	02/03/21	-	23.22	23.50	0.28	-
MW - 3A	02/08/21	-	23.25	23.35	0.10	-
MW - 3A	03/03/21	-	23.24	23.52	0.28	-
MW - 3A	04/14/21	-	23.25	23.55	0.30	-
MW - 3A	04/26/21	-	23.25	23.36	0.11	-
MW - 3A	05/06/21	-	23.25	23.40	0.15	-
MW - 3A	05/18/21	-	23.24	23.33	0.09	-
MW - 3A	06/08/21	-	23.26	23.45	0.19	-
MW - 3A	07/08/21	-	23.19	23.40	0.21	-
MW - 3A	07/14/21	-	23.20	23.31	0.11	-
MW - 3A	08/09/21	-	23.20	23.91	0.71	-
MW - 3A	08/16/21	-	23.24	23.62	0.38	-
MW - 3A	09/08/21	-	23.14	23.80	0.66	-
MW - 3A	10/05/21	-	23.12	24.05	0.93	-
MW - 3A	10/11/21	-	23.14	23.95	0.81	-
MW - 3A	11/01/21	-	23.14	24.29	1.15	-
MW - 3A	11/29/21	-	23.15	24.08	0.93	-
MW - 3A	01/04/22	-	23.20	23.90	0.70	-
MW - 3A	01/10/22	-	23.25	24.50	1.25	-
MW - 3A	02/01/22	-	23.21	23.95	0.74	-
MW - 3A	02/28/22	-	23.26	23.64	0.38	-

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 3A	03/22/22	-	23.29	23.75	0.46	-
MW - 3A	04/04/22	-	23.25	23.55	0.30	-
MW - 3A	04/15/22	-	23.25	23.55	0.30	-
MW - 3A	05/05/22	-	23.23	23.72	0.49	-
MW - 3A	06/07/22	-	23.27	23.80	0.53	-
MW - 3A	06/09/22	-	23.32	23.43	0.11	-
MW - 3A	07/15/22	-	23.43	24.00	0.57	-
MW - 3A	08/15/22	-	23.48	23.95	0.47	-
MW - 3A	08/31/22	-	23.25	23.45	0.20	-
MW - 3A	10/04/22	-	23.26	23.66	0.40	-
MW - 3A	11/03/22	-	23.34	23.93	0.59	-
MW - 3A	11/17/22	-	23.19	24.00	0.81	-
MW - 3A	12/07/22	-	23.39	23.90	0.51	-
MW - 4	03/06/00	3,629.97	-	20.48	0.00	3,609.49
MW - 4	05/16/00	3,629.97	-	20.51	0.00	3,609.46
MW - 4	08/31/00	3,629.97	-	20.51	0.00	3,609.46
MW - 4	11/17/00	3,629.97	-	20.48	0.00	3,609.49
MW - 4	03/07/01	3,629.97	-	20.44	0.00	3,609.53
MW - 4	05/30/01	3,629.97	-	20.47	0.00	3,609.50
MW - 4	08/27/01	3,629.97	-	20.51	0.00	3,609.46
MW - 4	10/12/01	3,629.97	-	20.48	0.00	3,609.49
MW - 4	02/28/02	3,629.97	-	20.45	0.00	3,609.52
MW - 4	05/13/02	3,629.97	-	20.50	0.00	3,609.47
MW - 4	09/10/02	3,629.97	-	20.56	0.00	3,609.41
MW - 4	11/15/02	3,629.97	-	20.48	0.00	3,609.49
MW - 4	05/13/03	3,629.97	-	20.49	0.00	3,609.48
MW - 4	08/22/03	3,629.97	-	20.59	0.00	3,609.38
MW - 4	12/15/03	3,629.97	-	20.50	0.00	3,609.47
MW - 4	03/04/04	3,629.97	-	20.51	0.00	3,609.46
MW - 4	05/25/04	3,629.97	-	20.45	0.00	3,609.52
MW - 4	08/31/04	3,629.97	-	20.55	0.00	3,609.42
MW - 4	12/10/04	3,629.97	-	19.68	0.00	3,610.29
MW - 4	03/14/05	3,629.97	-	20.14	0.00	3,609.83
MW - 4	06/13/05	3,629.97	-	20.22	0.00	3,609.75
MW - 4	09/12/05	3,629.97	-	20.28	0.00	3,609.69
MW - 4	12/06/05	3,629.97	-	20.29	0.00	3,609.68
MW - 4	03/10/06	3,629.97	-	20.34	0.00	3,609.63
MW - 4	06/09/06	3,629.97	-	20.41	0.00	3,609.56

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 4	07/05/06	3,629.97	-	21.13	0.00	3,608.84
MW - 4	09/12/06	3,629.97	-	19.51	0.00	3,610.46
MW - 4	11/28/06	3,629.97	-	20.03	0.00	3,609.94
MW - 4	02/22/07	3,629.97	-	20.26	0.00	3,609.71
MW - 4	05/17/07	3,629.97	-	20.29	0.00	3,609.68
MW - 4	08/21/07	3,629.97	-	20.36	0.00	3,609.61
MW - 4	11/26/07	3,629.97	-	20.35	0.00	3,609.62
MW - 4	02/26/08	3,629.97	-	20.38	0.00	3,609.59
MW - 4	05/26/08	3,629.97	-	20.41	0.00	3,609.56
MW - 4	08/28/08	3,629.97	-	20.41	0.00	3,609.56
MW - 4	11/19/08	3,629.97	-	21.45	0.00	3,608.52
MW - 4	02/13/09	3,629.97	-	20.39	0.00	3,609.58
MW - 4	05/20/09	3,629.97	-	20.43	0.00	3,609.54
MW - 4	06/04/09	3,629.97	-	31.27	0.00	3,598.70
MW - 4	08/15/09	3,629.97	-	20.39	0.00	3,609.58
MW - 4	11/06/09	3,629.97	-	20.38	0.00	3,609.59
MW - 4	01/12/10	3,629.97	-	20.39	0.00	3,609.58
MW - 4	02/05/10	3,629.97	-	20.39	0.00	3,609.58
MW - 4	05/03/10	3,629.97	-	20.38	0.00	3,609.59
MW - 4	08/02/10	3,629.97	-	20.40	0.00	3,609.57
MW - 4	11/01/10	3,629.97	-	20.27	0.00	3,609.70
MW - 4	02/07/11	3,629.97	-	20.29	0.00	3,609.68
MW - 4	05/02/11	3,629.97	-	20.38	0.00	3,609.59
MW - 4	05/09/11	3,629.97	-	20.37	0.00	3,609.60
MW - 4	05/10/11	3,629.97	-	20.37	0.00	3,609.60
MW - 4	08/08/11	3,629.97	-	20.31	0.00	3,609.66
MW - 4	09/14/11	3,629.97	-	20.43	0.00	3,609.54
MW - 4	11/10/11	3,629.97	-	20.39	0.00	3,609.58
MW - 4	02/06/12	3,629.97	-	20.41	0.00	3,609.56
MW - 4	05/21/12	3,629.97	-	20.44	0.00	3,609.53
MW - 4	08/01/12	3,629.97	-	20.45	0.00	3,609.52
MW - 4	11/06/12	3,629.97	-	20.44	0.00	3,609.53
MW - 4	02/05/13	3,629.97	-	20.44	0.00	3,609.53
MW - 4	05/09/13	3,629.97	-	20.46	0.00	3,609.51
MW - 4	08/01/13	3,629.97	-	20.39	0.00	3,609.58
MW - 4	11/07/13	3,629.97	-	20.41	0.00	3,609.56
MW - 4	02/17/14	3,629.97	-	20.46	0.00	3,609.51
MW - 4	05/07/14	3,629.97	-	20.45	0.00	3,609.52
MW - 4	07/23/14	3,629.97	-	20.48	0.00	3,609.49

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 4	07/28/14	3,629.97	-	20.49	0.00	3,609.48
MW - 4	08/26/14	3,629.97	-	20.48	0.00	3,609.49
MW - 4	09/06/14	3,629.97	-	20.47	0.00	3,609.50
MW - 4	11/12/14	3,629.97	-	19.79	0.00	3,610.18
MW - 4	01/26/15	3,629.97	-	20.19	0.00	3,609.78
MW - 4	02/25/15	3,629.97	-	20.23	0.00	3,609.74
MW - 4	03/10/15	3,629.97	-	20.25	0.00	3,609.72
MW - 4	05/19/15	3,629.97	-	20.24	0.00	3,609.73
MW - 4	07/10/15	3,629.97	-	20.29	0.00	3,609.68
MW - 4	08/06/15	3,629.97	-	20.29	0.00	3,609.68
MW - 4	09/29/15	3,629.97	-	20.31	0.00	3,609.66
MW - 4	11/12/15	3,629.97	-	20.29	0.00	3,609.68
MW - 4	12/10/15	3,629.97	-	20.31	0.00	3,609.66
MW - 4	01/13/16	3,629.97	-	20.31	0.00	3,609.66
MW - 4	02/08/16	3,629.97	-	20.34	0.00	3,609.63
MW - 4	03/11/16	3,629.97	-	20.34	0.00	3,609.63
MW - 4	04/12/16	3,629.97	-	20.36	0.00	3,609.61
MW - 4	04/25/16	3,629.97	-	20.35	0.00	3,609.62
MW - 4	05/12/16	3,629.97	-	20.37	0.00	3,609.60
MW - 4	06/20/16	3,629.97	-	20.38	0.00	3,609.59
MW - 4	07/19/16	3,629.97	-	20.38	0.00	3,609.59
MW - 4	08/11/16	3,629.97	-	20.36	0.00	3,609.61
MW - 4	09/21/16	3,629.97	-	20.15	0.00	3,609.82
MW - 4	11/10/16	3,629.97	-	20.26	0.00	3,609.71
MW - 4	12/21/16	3,629.97	-	20.29	0.00	3,609.68
MW - 4	01/17/17	3,629.97	-	21.31	0.00	3,608.66
MW - 4	02/15/17	3,629.97	-	20.34	0.00	3,609.63
MW - 4	03/13/17	3,629.97	-	20.36	0.00	3,609.61
MW - 4	04/05/17	3,629.97	-	20.37	0.00	3,609.60
MW - 4	05/08/17	3,629.97	-	20.35	0.00	3,609.62
MW - 4	06/19/17	3,629.97	-	20.37	0.00	3,609.60
MW - 4	07/03/17	3,629.97	-	20.37	0.00	3,609.60
MW - 4	08/16/17	3,629.97	-	20.33	0.00	3,609.64
MW - 4	09/12/17	3,629.97	-	20.24	0.00	3,609.73
MW - 4	10/04/17	3,629.97	-	20.28	0.00	3,609.69
MW - 4	11/01/17	3,629.97	-	20.29	0.00	3,609.68
MW - 4	12/06/17	3,629.97	-	20.34	0.00	3,609.63
MW - 4	01/30/18	3,629.97	-	20.37	0.00	3,609.60
MW - 4	02/19/18	3,629.97	-	20.36	0.00	3,609.61

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 4	03/06/18	3,629.97	-	20.39	0.00	3,609.58
MW - 4	04/10/18	3,629.97	-	20.38	0.00	3,609.59
MW - 4	05/02/18	3,629.97	-	20.39	0.00	3,609.58
MW - 4	06/07/18	3,629.97	-	20.40	0.00	3,609.57
MW - 4	08/01/18	3,629.97	-	20.40	0.00	3,609.57
MW - 4	08/14/18	3,629.97	-	20.40	0.00	3,609.57
MW - 4	11/14/18	3,629.97	-	20.32	0.00	3,609.65
MW - 4	12/10/18	3,629.97	-	20.34	0.00	3,609.63
MW - 4	01/10/19	3,629.97	-	20.35	0.00	3,609.62
MW - 4	02/11/19	3,629.97	-	20.37	0.00	3,609.60
MW - 4	03/14/19	3,629.97	-	20.39	0.00	3,609.58
MW - 4	04/10/19	3,629.97	-	20.39	0.00	3,609.58
MW - 4	05/07/19	3,629.97	-	20.40	0.00	3,609.57
MW - 4	07/30/19	3,629.97	-	20.43	0.00	3,609.54
MW - 4	08/19/19	3,629.97	-	20.42	0.00	3,609.55
MW - 4	09/16/19	3,629.97	-	20.41	0.00	3,609.56
MW - 4	11/18/19	3,629.97	-	20.38	0.00	3,609.59
MW - 4	12/27/19	3,629.97	-	20.39	0.00	3,609.58
MW - 4	01/20/20	3,629.97	-	20.40	0.00	3,609.57
MW - 4	02/12/20	3,629.97	-	20.43	0.00	3,609.54
MW - 4	05/12/20	3,629.97	-	20.41	0.00	3,609.56
MW - 4	06/04/20	3,629.97	-	20.44	0.00	3,609.53
MW - 4	07/31/20	3,629.97	-	20.47	0.00	3,609.50
MW - 4	08/17/20	3,629.97	-	20.45	0.00	3,609.52
MW - 4	09/08/20	3,629.97	-	20.46	0.00	3,609.51
MW - 4	10/28/20	3,629.97	-	20.44	0.00	3,609.53
MW - 4	11/18/20	3,629.97	-	20.43	0.00	3,609.54
MW - 4	12/22/20	3,629.97	-	20.43	0.00	3,609.54
MW - 4	01/18/21	3,629.97	-	20.44	0.00	3,609.53
MW - 4	02/08/21	3,629.97	-	20.45	0.00	3,609.52
MW - 4	03/03/21	3,629.97	-	20.45	0.00	3,609.52
MW - 4	04/26/21	3,629.97	-	20.46	0.00	3,609.51
MW - 4	05/18/21	3,629.97	-	20.46	0.00	3,609.51
MW - 4	06/08/21	3,629.97	-	20.47	0.00	3,609.50
MW - 4	07/14/21	3,629.97	-	20.39	0.00	3,609.58
MW - 4	08/16/21	3,629.97	-	20.44	0.00	3,609.53
MW - 4	10/11/21	3,629.97	-	20.38	0.00	3,609.59
MW - 4	11/29/21	3,629.97	-	20.41	0.00	3,609.56
MW - 4	01/10/22	3,629.97	-	20.44	0.00	3,609.53

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 4	02/28/22	3,629.97	-	20.47	0.00	3,609.50
MW - 4	04/15/22	3,629.97	-	20.45	0.00	3,609.52
MW - 4	06/07/22	3,629.97	-	20.50	0.00	3,609.47
MW - 4	08/31/22	3,629.97	-	20.49	0.00	3,609.48
MW - 4	11/03/22	3,629.97	-	20.54	0.00	3,609.43
MW - 5	03/06/00	3,629.36	-	21.61	0.00	3,607.75
MW - 5	05/16/00	3,629.36	-	21.70	0.00	3,607.66
MW - 5	08/31/00	3,629.36	-	21.70	0.00	3,607.66
MW - 5	11/17/00	3,629.36	-	21.69	0.00	3,607.67
MW - 5	03/07/01	3,629.36	-	21.63	0.00	3,607.73
MW - 5	05/30/01	3,629.36	-	21.65	0.00	3,607.71
MW - 5	08/27/01	3,629.36	-	21.70	0.00	3,607.66
MW - 5	10/12/01	3,629.36	-	21.65	0.00	3,607.71
MW - 5	02/25/02	3,629.36	-	21.65	0.00	3,607.71
MW - 5	05/13/02	3,629.36	-	21.66	0.00	3,607.70
MW - 5	09/10/02	3,629.36	-	21.74	0.00	3,607.62
MW - 5	11/15/02	3,629.36	-	21.66	0.00	3,607.70
MW - 5	05/13/03	3,629.36	-	21.67	0.00	3,607.69
MW - 5	08/22/03	3,629.36	-	21.74	0.00	3,607.62
MW - 5	12/15/03	3,629.36	-	21.67	0.00	3,607.69
MW - 5	03/04/04	3,629.36	-	21.68	0.00	3,607.68
MW - 5	05/25/04	3,629.36	-	21.64	0.00	3,607.72
MW - 5	08/31/04	3,629.36	-	21.75	0.00	3,607.61
MW - 5	12/10/04	3,629.36	-	20.90	0.00	3,608.46
MW - 5	03/14/05	3,629.36	-	21.35	0.00	3,608.01
MW - 5	06/13/05	3,629.36	-	21.45	0.00	3,607.91
MW - 5	09/12/05	3,629.36	-	21.50	0.00	3,607.86
MW - 5	12/06/05	3,629.36	-	21.52	0.00	3,607.84
MW - 5	03/10/06	3,629.36	-	21.58	0.00	3,607.78
MW - 5	06/09/06	3,629.36	-	21.63	0.00	3,607.73
MW - 5	07/05/06	3,629.36	-	21.66	0.00	3,607.70
MW - 5	09/12/06	3,629.36	-	20.74	0.00	3,608.62
MW - 5	11/28/06	3,629.36	-	21.29	0.00	3,608.07
MW - 5	02/22/07	3,629.36	-	21.52	0.00	3,607.84
MW - 5	05/17/07	3,629.36	-	21.52	0.00	3,607.84
MW - 5	08/21/07	3,629.36	-	21.58	0.00	3,607.78
MW - 5	11/26/07	3,629.36	-	21.58	0.00	3,607.78
MW - 5	02/26/08	3,629.36	-	21.60	0.00	3,607.76

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 5	05/26/08	3,629.36	-	21.62	0.00	3,607.74
MW - 5	08/28/08	3,629.36	-	21.61	0.00	3,607.75
MW - 5	11/19/08	3,629.36	-	21.54	0.00	3,607.82
MW - 5	02/13/09	3,629.36	-	21.62	0.00	3,607.74
MW - 5	05/20/09	3,629.36	-	21.62	0.00	3,607.74
MW - 5	08/15/09	3,629.36	-	21.63	0.00	3,607.73
MW - 5	01/12/10	3,629.36	-	21.62	0.00	3,607.74
MW - 5	02/05/10	3,629.36	-	21.62	0.00	3,607.74
MW - 5	05/03/10	3,629.36	-	21.62	0.00	3,607.74
MW - 5	08/02/10	3,629.36	-	21.63	0.00	3,607.73
MW - 5	11/01/10	3,629.36	-	21.53	0.00	3,607.83
MW - 5	02/07/11	3,629.36	-	21.53	0.00	3,607.83
MW - 5	05/02/11	3,629.36	-	21.58	0.00	3,607.78
MW - 5	05/09/11	3,629.36	-	21.62	0.00	3,607.74
MW - 5	05/10/11	3,629.36	-	21.62	0.00	3,607.74
MW - 5	08/08/11	3,629.36	-	21.58	0.00	3,607.78
MW - 5	09/14/11	3,629.36	-	21.71	0.00	3,607.65
MW - 5	11/10/11	3,629.36	-	21.60	0.00	3,607.76
MW - 5	02/06/12	3,629.36	-	21.62	0.00	3,607.74
MW - 5	05/21/12	3,629.36	-	21.65	0.00	3,607.71
MW - 5	08/01/12	3,629.36	-	21.66	0.00	3,607.70
MW - 5	11/06/12	3,629.36	-	21.65	0.00	3,607.71
MW - 5	02/05/13	3,629.36	-	21.64	0.00	3,607.72
MW - 5	05/09/13	3,629.36	-	21.67	0.00	3,607.69
MW - 5	08/01/13	3,629.36	-	21.58	0.00	3,607.78
MW - 5	11/07/13	3,629.36	-	21.63	0.00	3,607.73
MW - 5	02/17/14	3,629.36	-	21.65	0.00	3,607.71
MW - 5	05/07/14	3,629.36	-	21.68	0.00	3,607.68
MW - 5	07/23/14	3,629.36	-	21.65	0.00	3,607.71
MW - 5	07/28/14	3,629.36	-	21.70	0.00	3,607.66
MW - 5	08/26/14	3,629.36	-	21.68	0.00	3,607.68
MW - 5	09/06/14	3,629.36	-	21.69	0.00	3,607.67
MW - 5	11/12/14	3,629.36	-	21.00	0.00	3,608.36
MW - 5	01/26/15	3,629.36	-	21.42	0.00	3,607.94
MW - 5	02/25/15	3,629.36	-	21.46	0.00	3,607.90
MW - 5	03/10/15	3,629.36	-	21.49	0.00	3,607.87
MW - 5	05/19/15	3,629.36	-	21.48	0.00	3,607.88
MW - 5	07/10/15	3,629.36	-	21.52	0.00	3,607.84
MW - 5	08/06/15	3,629.36	-	21.54	0.00	3,607.82

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 5	09/29/15	3,629.36	-	21.56	0.00	3,607.80
MW - 5	11/12/15	3,629.36	-	21.52	0.00	3,607.84
MW - 5	12/10/15	3,629.36	-	21.54	0.00	3,607.82
MW - 5	01/13/16	3,629.36	-	21.56	0.00	3,607.80
MW - 5	02/08/16	3,629.36	-	21.59	0.00	3,607.77
MW - 5	03/11/16	3,629.36	-	21.59	0.00	3,607.77
MW - 5	04/12/16	3,629.36	-	21.54	0.00	3,607.82
MW - 5	04/25/16	3,629.36	-	21.59	0.00	3,607.77
MW - 5	05/12/16	3,629.36	-	21.61	0.00	3,607.75
MW - 5	06/20/16	3,629.36	-	21.62	0.00	3,607.74
MW - 5	07/19/16	3,629.36	-	21.63	0.00	3,607.73
MW - 5	08/11/16	3,629.36	-	21.60	0.00	3,607.76
MW - 5	09/21/16	3,629.36	-	21.35	0.00	3,608.01
MW - 5	11/10/16	3,629.36	-	21.49	0.00	3,607.87
MW - 5	12/21/16	3,629.36	-	21.53	0.00	3,607.83
MW - 5	01/17/17	3,629.36	-	21.55	0.00	3,607.81
MW - 5	02/15/17	3,629.36	-	21.57	0.00	3,607.79
MW - 5	03/13/17	3,629.36	-	21.59	0.00	3,607.77
MW - 5	04/05/17	3,629.36	-	21.60	0.00	3,607.76
MW - 5	05/08/17	3,629.36	-	21.59	0.00	3,607.77
MW - 5	06/19/17	3,629.36	-	21.60	0.00	3,607.76
MW - 5	07/03/17	3,629.36	-	21.60	0.00	3,607.76
MW - 5	08/16/17	3,629.36	-	21.58	0.00	3,607.78
MW - 5	09/12/17	3,629.36	-	21.46	0.00	3,607.90
MW - 5	10/04/17	3,629.36	-	21.52	0.00	3,607.84
MW - 5	11/01/17	3,629.36	-	21.53	0.00	3,607.83
MW - 5	12/06/17	3,629.36	-	21.58	0.00	3,607.78
MW - 5	01/30/18	3,629.36	-	21.60	0.00	3,607.76
MW - 5	02/19/18	3,629.36	-	21.59	0.00	3,607.77
MW - 5	03/06/18	3,629.36	-	21.62	0.00	3,607.74
MW - 5	04/10/18	3,629.36	-	21.61	0.00	3,607.75
MW - 5	05/02/18	3,629.36	-	21.62	0.00	3,607.74
MW - 5	06/07/18	3,629.36	-	21.62	0.00	3,607.74
MW - 5	08/01/18	3,629.36	-	21.64	0.00	3,607.72
MW - 5	08/14/18	3,629.36	-	21.64	0.00	3,607.72
MW - 5	09/26/18	3,629.36	-	21.65	0.00	3,607.71
MW - 5	11/14/18	3,629.36	-	21.53	0.00	3,607.83
MW - 5	12/10/18	3,629.36	-	21.56	0.00	3,607.80
MW - 5	01/10/19	3,629.36	-	21.58	0.00	3,607.78

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 5	02/11/19	3,629.36	-	21.59	0.00	3,607.77
MW - 5	03/14/19	3,629.36	-	21.61	0.00	3,607.75
MW - 5	04/10/19	3,629.36	-	21.62	0.00	3,607.74
MW - 5	05/07/19	3,629.36	-	21.62	0.00	3,607.74
MW - 5	07/30/19	3,629.36	-	21.65	0.00	3,607.71
MW - 5	08/19/19	3,629.36	-	21.64	0.00	3,607.72
MW - 5	09/16/19	3,629.36	-	21.63	0.00	3,607.73
MW - 5	11/18/19	3,629.36	-	21.61	0.00	3,607.75
MW - 5	12/27/19	3,629.36	-	21.60	0.00	3,607.76
MW - 5	01/20/20	3,629.36	-	21.62	0.00	3,607.74
MW - 5	02/12/20	3,629.36	-	21.65	0.00	3,607.71
MW - 5	05/12/20	3,629.36	-	21.64	0.00	3,607.72
MW - 5	06/04/20	3,629.36	-	21.65	0.00	3,607.71
MW - 5	07/31/20	3,629.36	-	21.69	0.00	3,607.67
MW - 5	08/17/20	3,629.36	-	21.68	0.00	3,607.68
MW - 5	09/08/20	3,629.36	-	21.67	0.00	3,607.69
MW - 5	10/28/20	3,629.36	-	21.66	0.00	3,607.70
MW - 5	11/18/20	3,629.36	-	21.65	0.00	3,607.71
MW - 5	12/22/20	3,629.36	-	21.65	0.00	3,607.71
MW - 5	01/18/21	3,629.36	-	21.66	0.00	3,607.70
MW - 5	02/08/21	3,629.36	-	21.67	0.00	3,607.69
MW - 5	03/03/21	3,629.36	-	21.68	0.00	3,607.68
MW - 5	04/26/21	3,629.36	-	21.67	0.00	3,607.69
MW - 5	05/18/21	3,629.36	-	21.67	0.00	3,607.69
MW - 5	06/08/21	3,629.36	-	21.69	0.00	3,607.67
MW - 5	07/14/21	3,629.36	-	21.58	0.00	3,607.78
MW - 5	08/16/21	3,629.36	-	21.65	0.00	3,607.71
MW - 5	10/11/21	3,629.36	-	21.60	0.00	3,607.76
MW - 5	11/29/21	3,629.36	-	21.63	0.00	3,607.73
MW - 5	01/10/22	3,629.36	-	21.68	0.00	3,607.68
MW - 5	02/15/22	3,629.36	-	21.64	0.00	3,607.72
MW - 5	04/15/22	3,629.36	-	21.67	0.00	3,607.69
MW - 5	06/07/22	3,629.36	-	21.74	0.00	3,607.62
MW - 5	08/31/22	3,629.36	-	21.69	0.00	3,607.67
MW - 5	11/03/22	3,629.36	-	21.74	0.00	3,607.62
MW - 6	03/06/00	3,629.87	-	23.45	0.00	3,606.42
MW - 6	05/16/00	3,629.87	-	23.45	0.00	3,606.42
MW - 6	08/31/00	3,629.87	-	23.47	0.00	3,606.40

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 6	11/17/00	3,629.87	-	23.46	0.00	3,606.41
MW - 6	03/07/01	3,629.87	-	23.42	0.00	3,606.45
MW - 6	05/30/01	3,629.87	-	23.38	0.00	3,606.49
MW - 6	08/27/01	3,629.87*	-	-	-	-
MW - 6	10/12/01	3,629.17**	-	23.40	0.00	3,605.77
MW - 6	02/25/02	3,629.17	-	24.10	0.00	3,605.07
MW - 6	05/13/02	3,629.17	-	24.12	0.00	3,605.05
MW - 6	09/10/02	3,629.17	-	24.16	0.00	3,605.01
MW - 6	11/15/02	3,629.17	-	24.12	0.00	3,605.05
MW - 6	05/13/03	3,629.17	-	24.13	0.00	3,605.04
MW - 6	08/22/03	3,629.17	-	24.19	0.00	3,604.98
MW - 6	12/15/03	3,629.17	-	24.14	0.00	3,605.03
MW - 6	03/04/04	3,629.17	-	24.14	0.00	3,605.03
MW - 6	05/25/04	3,629.17	-	24.12	0.00	3,605.05
MW - 6	08/31/04	3,629.17	-	24.16	0.00	3,605.01
MW - 6	12/10/04	3,629.17	-	23.42	0.00	3,605.75
MW - 6	03/14/05	3,629.17	-	23.93	0.00	3,605.24
MW - 6	06/13/05	3,629.17	-	23.98	0.00	3,605.19
MW - 6	09/12/05	3,629.17	-	24.03	0.00	3,605.14
MW - 6	12/06/05	3,629.17	-	24.23	0.00	3,604.94
MW - 6	03/10/06	3,629.17	-	24.07	0.00	3,605.10
MW - 6	06/09/06	3,629.17	-	24.09	0.00	3,605.08
MW - 6	07/05/06	3,629.17	-	25.36	0.00	3,603.81
MW - 6	09/12/06	3,629.17	-	23.25	0.00	3,605.92
MW - 6	11/28/06	3,629.17	-	23.85	0.00	3,605.32
MW - 6	02/22/07	3,629.17	-	24.02	0.00	3,605.15
MW - 6	05/17/07	3,629.17	-	24.03	0.00	3,605.14
MW - 6	08/21/07	3,629.17	-	24.07	0.00	3,605.10
MW - 6	11/26/07	3,629.17	-	24.07	0.00	3,605.10
MW - 6	02/26/08	3,629.17	-	24.10	0.00	3,605.07
MW - 6	05/26/08	3,629.17	-	24.11	0.00	3,605.06
MW - 6	08/28/08	3,629.17	-	24.12	0.00	3,605.05
MW - 6	11/19/08	3,629.17	-	24.11	0.00	3,605.06
MW - 6	02/13/09	3,629.17	-	24.11	0.00	3,605.06
MW - 6	05/20/09	3,629.17	-	24.14	0.00	3,605.03
MW - 6	08/15/09	3,629.17	-	24.13	0.00	3,605.04
MW - 6	11/06/09	3,629.17	-	24.13	0.00	3,605.04
MW - 6	01/12/10	3,629.17	-	24.00	0.00	3,605.17
MW - 6	02/05/10	3,629.17	-	24.13	0.00	3,605.04

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 6	05/03/10	3,629.17	-	24.14	0.00	3,605.03
MW - 6	08/02/10	3,629.17	-	24.14	0.00	3,605.03
MW - 6	11/01/10	3,629.17	-	24.04	0.00	3,605.13
MW - 6	02/07/11	3,629.17	-	24.06	0.00	3,605.11
MW - 6	05/02/11	3,629.17	-	24.12	0.00	3,605.05
MW - 6	05/09/11	3,629.17	-	24.15	0.00	3,605.02
MW - 6	05/10/11	3,629.17	-	24.15	0.00	3,605.02
MW - 6	08/08/11	3,629.17	-	24.13	0.00	3,605.04
MW - 6	09/14/11	3,629.17	-	24.24	0.00	3,604.93
MW - 6	11/10/11	3,629.17	-	24.11	0.00	3,605.06
MW - 6	02/06/12	3,629.17	-	24.12	0.00	3,605.05
MW - 6	05/21/12	3,629.17	-	24.15	0.00	3,605.02
MW - 6	08/01/12	3,629.17	-	24.14	0.00	3,605.03
MW - 6	11/06/12	3,629.17	-	24.13	0.00	3,605.04
MW - 6	02/05/13	3,629.17	-	24.13	0.00	3,605.04
MW - 6	05/09/13	3,629.17	-	24.14	0.00	3,605.03
MW - 6	08/01/13	3,629.17	-	24.11	0.00	3,605.06
MW - 6	11/07/13	3,629.17	-	24.13	0.00	3,605.04
MW - 6	02/17/14	3,629.17	-	24.14	0.00	3,605.03
MW - 6	05/07/14	3,629.17	-	24.14	0.00	3,605.03
MW - 6	07/23/14	3,629.17	-	24.16	0.00	3,605.01
MW - 6	07/28/14	3,629.17	-	24.19	0.00	3,604.98
MW - 6	08/26/14	3,629.17	-	24.18	0.00	3,604.99
MW - 6	09/06/14	3,629.17	-	24.16	0.00	3,605.01
MW - 6	11/12/14	3,629.17	-	23.65	0.00	3,605.52
MW - 6	01/26/15	3,629.17	-	23.96	0.00	3,605.21
MW - 6	02/25/15	3,629.17	-	23.99	0.00	3,605.18
MW - 6	03/10/15	3,629.17	-	24.02	0.00	3,605.15
MW - 6	05/19/15	3,629.17	-	24.01	0.00	3,605.16
MW - 6	07/10/15	3,629.17	-	24.05	0.00	3,605.12
MW - 6	08/06/15	3,629.17	-	24.05	0.00	3,605.12
MW - 6	09/29/15	3,629.17	-	24.07	0.00	3,605.10
MW - 6	11/12/15	3,629.17	-	24.07	0.00	3,605.10
MW - 6	12/10/15	3,629.17	-	24.06	0.00	3,605.11
MW - 6	01/13/16	3,629.17	-	24.09	0.00	3,605.08
MW - 6	02/08/16	3,629.17	-	24.10	0.00	3,605.07
MW - 6	03/11/16	3,629.17	-	24.10	0.00	3,605.07
MW - 6	04/12/16	3,629.17	-	24.09	0.00	3,605.08
MW - 6	04/25/16	3,629.17	-	24.10	0.00	3,605.07

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 6	05/12/16	3,629.17	-	24.11	0.00	3,605.06
MW - 6	06/20/16	3,629.17	-	24.13	0.00	3,605.04
MW - 6	07/19/16	3,629.17	-	24.12	0.00	3,605.05
MW - 6	08/11/16	3,629.17	-	24.10	0.00	3,605.07
MW - 6	09/21/16	3,629.17	-	23.95	0.00	3,605.22
MW - 6	11/10/16	3,629.17	-	24.04	0.00	3,605.13
MW - 6	12/21/16	3,629.17	-	24.05	0.00	3,605.12
MW - 6	01/17/17	3,629.17	-	24.08	0.00	3,605.09
MW - 6	02/15/17	3,629.17	-	24.08	0.00	3,605.09
MW - 6	03/13/17	3,629.17	-	24.09	0.00	3,605.08
MW - 6	04/05/17	3,629.17	-	24.10	0.00	3,605.07
MW - 6	05/08/17	3,629.17	-	24.09	0.00	3,605.08
MW - 6	06/19/17	3,629.17	-	24.12	0.00	3,605.05
MW - 6	07/03/17	3,629.17	-	24.12	0.00	3,605.05
MW - 6	08/16/17	3,629.17	-	24.05	0.00	3,605.12
MW - 6	09/12/17	3,629.17	-	24.00	0.00	3,605.17
MW - 6	10/04/17	3,629.17	-	24.07	0.00	3,605.10
MW - 6	11/01/17	3,629.17	-	24.05	0.00	3,605.12
MW - 6	12/06/17	3,629.17	-	24.09	0.00	3,605.08
MW - 6	09/26/18	3,629.17	-	24.15	0.00	3,605.02
MW - 6	01/30/18	3,629.17	-	24.10	0.00	3,605.07
MW - 6	02/19/18	3,629.17	-	24.10	0.00	3,605.07
MW - 6	03/06/18	3,629.17	-	24.12	0.00	3,605.05
MW - 6	04/10/18	3,629.17	-	24.13	0.00	3,605.04
MW - 6	05/02/18	3,629.17	-	24.12	0.00	3,605.05
MW - 6	06/07/18	3,629.17	-	24.14	0.00	3,605.03
MW - 6	08/01/18	3,629.17	-	24.14	0.00	3,605.03
MW - 6	08/14/18	3,629.17	-	24.14	0.00	3,605.03
MW - 6	09/24/18	3,629.17	-	24.15	0.00	3,605.02
MW - 6	11/14/18	3,629.17	-	24.09	0.00	3,605.08
MW - 6	12/10/18	3,629.17	-	24.10	0.00	3,605.07
MW - 6	01/10/19	3,629.17	-	24.10	0.00	3,605.07
MW - 6	02/11/19	3,629.17	-	24.11	0.00	3,605.06
MW - 6	03/14/19	3,629.17	-	24.12	0.00	3,605.05
MW - 6	04/10/19	3,629.17	-	24.13	0.00	3,605.04
MW - 6	05/07/19	3,629.17	-	24.13	0.00	3,605.04
MW - 6	07/30/19	3,629.17	-	24.15	0.00	3,605.02
MW - 6	08/19/19	3,629.17	-	24.15	0.00	3,605.02
MW - 6	09/16/19	3,629.17	-	24.15	0.00	3,605.02

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 6	11/18/19	3,629.17	-	24.12	0.00	3,605.05
MW - 6	12/27/19	3,629.17	-	24.13	0.00	3,605.04
MW - 6	01/20/20	3,629.17	-	24.14	0.00	3,605.03
MW - 6	02/12/20	3,629.17	-	24.15	0.00	3,605.02
MW - 6	05/12/20	3,629.17	-	24.14	0.00	3,605.03
MW - 6	06/04/20	3,629.17	-	24.15	0.00	3,605.02
MW - 6	07/31/20	3,629.17	-	24.18	0.00	3,604.99
MW - 6	08/17/20	3,629.17	-	24.17	0.00	3,605.00
MW - 6	09/08/20	3,629.17	-	24.16	0.00	3,605.01
MW - 6	10/28/20	3,629.17	-	24.17	0.00	3,605.00
MW - 6	11/18/20	3,629.17	-	24.16	0.00	3,605.01
MW - 6	12/22/20	3,629.17	-	24.16	0.00	3,605.01
MW - 6	01/18/21	3,629.17	-	24.17	0.00	3,605.00
MW - 6	02/08/21	3,629.17	-	24.18	0.00	3,604.99
MW - 6	03/03/21	3,629.17	-	24.18	0.00	3,604.99
MW - 6	04/26/21	3,629.17	-	24.17	0.00	3,605.00
MW - 6	05/18/21	3,629.17	-	24.17	0.00	3,605.00
MW - 6	06/08/21	3,629.17	-	24.18	0.00	3,604.99
MW - 6	07/14/21	3,629.17	-	24.13	0.00	3,605.04
MW - 6	08/16/21	3,629.17	-	24.16	0.00	3,605.01
MW - 6	10/11/21	3,629.17	-	24.13	0.00	3,605.04
MW - 6	11/29/21	3,629.17	-	24.06	0.00	3,605.11
MW - 6	01/10/22	3,629.17	-	24.17	0.00	3,605.00
MW - 6	02/28/22	3,629.17	-	24.16	0.00	3,605.01
MW - 6	04/15/22	3,629.17	-	24.17	0.00	3,605.00
MW - 6	06/07/22	3,629.17	-	24.19	0.00	3,604.98
MW - 6	08/31/22	3,629.17	-	24.20	0.00	3,604.97
MW - 6	11/03/22	3,629.17	-	24.26	0.00	3,604.91
MW - 7	08/31/00	3,628.07	-	22.86	0.00	3,605.21
MW - 7	11/17/00	3,628.07	-	22.85	0.00	3,605.22
MW - 7	03/07/01	3,628.07	-	22.80	0.00	3,605.27
MW - 7	05/30/01	3,628.07	-	22.80	0.00	3,605.27
MW - 7	08/27/01	3,628.07	-	22.84	0.00	3,605.23
MW - 7	10/12/01	3,628.07	-	22.80	0.00	3,605.27
MW - 7	02/25/02	3,628.07	-	22.83	0.00	3,605.24
MW - 7	05/13/02	3,628.07	-	22.83	0.00	3,605.24
MW - 7	09/10/02	3,628.07	-	22.88	0.00	3,605.19
MW - 7	11/15/02	3,628.07	-	22.83	0.00	3,605.24

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 7	05/13/03	3,628.07	-	22.85	0.00	3,605.22
MW - 7	08/22/03	3,628.07	-	22.88	0.00	3,605.19
MW - 7	12/15/03	3,628.07	-	22.86	0.00	3,605.21
MW - 7	03/04/04	3,628.07	-	22.85	0.00	3,605.22
MW - 7	05/25/04	3,628.07	-	22.80	0.00	3,605.27
MW - 7	08/31/04	3,628.07	-	22.90	0.00	3,605.17
MW - 7	12/10/04	3,628.07	-	21.91	0.00	3606.16
MW - 7	03/14/05	3,628.07	-	22.60	0.00	3,605.47
MW - 7	06/13/05	3,628.07	-	22.69	0.00	3,605.38
MW - 7	09/12/05	3,628.07	-	22.73	0.00	3,605.34
MW - 7	12/06/05	3,628.07	-	22.74	0.00	3,605.33
MW - 7	03/10/06	3,628.07	-	22.77	0.00	3,605.30
MW - 7	06/09/06	3,628.07	-	22.81	0.00	3,605.26
MW - 7	07/05/06	3,628.07	-	22.82	0.00	3,605.25
MW - 7	09/12/06	3,628.07	-	21.81	0.00	3,606.26
MW - 7	11/28/06	3,628.07	-	22.55	0.00	3,605.52
MW - 7	02/22/07	3,628.07	-	22.74	0.00	3,605.33
MW - 7	05/17/07	3,628.07	-	22.72	0.00	3,605.35
MW - 7	08/21/07	3,628.07	-	22.77	0.00	3,605.30
MW - 7	11/26/07	3,628.07	-	22.78	0.00	3,605.29
MW - 7	02/26/08	3,628.07	-	22.79	0.00	3,605.28
MW - 7	05/26/08	3,628.07	-	22.82	0.00	3,605.25
MW - 7	11/19/08	3,628.07	-	22.82	0.00	3,605.25
MW - 7	02/13/09	3,628.07	-	22.83	0.00	3,605.24
MW - 7	05/20/09	3,628.07	-	22.84	0.00	3,605.23
MW - 7	08/15/09	3,628.07	-	22.82	0.00	3,605.25
MW - 7	11/06/09	3,628.07	-	22.83	0.00	3,605.24
MW - 7	01/12/10	3,628.07	-	22.81	0.00	3,605.26
MW - 7	02/05/10	3,628.07	-	22.81	0.00	3,605.26
MW - 7	05/03/10	3,628.07	-	23.82	0.00	3,604.25
MW - 7	08/02/10	3,628.07	-	23.84	0.00	3,604.23
MW - 7	11/01/10	3,628.07	-	22.76	0.00	3,605.31
MW - 7	12/17/10	3,628.07	-	19.22	0.00	3,608.85
MW - 7	02/07/11	3,628.07	-	22.76	0.00	3,605.31
MW - 7	05/02/11	3,628.07	-	22.81	0.00	3,605.26
MW - 7	05/09/11	3,628.07	-	22.83	0.00	3,605.24
MW - 7	05/10/11	3,628.07	-	22.83	0.00	3,605.24
MW - 7	08/08/11	3,628.07	-	22.87	0.00	3,605.20
MW - 7	09/14/11	3,628.07	-	22.90	0.00	3,605.17

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 7	11/10/11	3,628.07	-	22.83	0.00	3,605.24
MW - 7	02/06/12	3,628.07	-	22.81	0.00	3,605.26
MW - 7	05/21/12	3,628.07	-	22.83	0.00	3,605.24
MW - 7	08/01/12	3,628.07	-	22.84	0.00	3,605.23
MW - 7	11/06/12	3,628.07	-	22.83	0.00	3,605.24
MW - 7	02/05/13	3,628.07	-	22.83	0.00	3,605.24
MW - 7	05/09/13	3,628.07	-	22.85	0.00	3,605.22
MW - 7	08/01/13	3,628.07	-	22.83	0.00	3,605.24
MW - 7	11/07/13	3,628.07	-	22.82	0.00	3,605.25
MW - 7	02/17/14	3,628.07	-	22.81	0.00	3,605.26
MW - 7	05/07/14	3,628.07	-	22.83	0.00	3,605.24
MW - 7	07/23/14	3,628.07	-	22.87	0.00	3,605.20
MW - 7	07/28/14	3,628.07	-	22.87	0.00	3,605.20
MW - 7	08/26/14	3,628.07	-	22.86	0.00	3,605.21
MW - 7	09/06/14	3,628.07	-	22.86	0.00	3,605.21
MW - 7	11/12/14	3,628.07	-	22.38	0.00	3,605.69
MW - 7	01/26/15	3,628.07	-	22.67	0.00	3,605.40
MW - 7	02/25/15	3,628.07	-	22.69	0.00	3,605.38
MW - 7	03/10/15	3,628.07	-	22.71	0.00	3,605.36
MW - 7	05/19/15	3,628.07	-	22.71	0.00	3,605.36
MW - 7	07/10/15	3,628.07	-	22.74	0.00	3,605.33
MW - 7	08/06/15	3,628.07	-	22.76	0.00	3,605.31
MW - 7	09/29/15	3,628.07	-	22.77	0.00	3,605.30
MW - 7	11/12/15	3,628.07	-	22.77	0.00	3,605.30
MW - 7	12/10/15	3,628.07	-	22.76	0.00	3,605.31
MW - 7	01/13/16	3,628.07	-	22.75	0.00	3,605.32
MW - 7	02/08/16	3,628.07	-	22.78	0.00	3,605.29
MW - 7	03/11/16	3,628.07	-	22.78	0.00	3,605.29
MW - 7	04/12/16	3,628.07	-	22.28	0.00	3,605.79
MW - 7	04/25/16	3,628.07	-	22.78	0.00	3,605.29
MW - 7	05/12/16	3,628.07	-	22.80	0.00	3,605.27
MW - 7	06/20/16	3,628.07	-	22.81	0.00	3,605.26
MW - 7	07/19/16	3,628.07	-	22.81	0.00	3,605.26
MW - 7	08/11/16	3,628.07	-	22.79	0.00	3,605.28
MW - 7	09/21/16	3,628.07	-	22.65	0.00	3,605.42
MW - 7	11/10/16	3,628.07	-	22.73	0.00	3,605.34
MW - 7	12/21/16	3,628.07	-	22.75	0.00	3,605.32
MW - 7	01/17/17	3,628.07	-	22.76	0.00	3,605.31
MW - 7	02/15/17	3,628.07	-	22.77	0.00	3,605.30

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 7	03/13/17	3,628.07	-	22.78	0.00	3,605.29
MW - 7	04/05/17	3,628.07	-	22.79	0.00	3,605.28
MW - 7	05/08/17	3,628.07	-	22.79	0.00	3,605.28
MW - 7	06/19/17	3,628.07	-	22.80	0.00	3,605.27
MW - 7	07/03/17	3,628.07	-	22.81	0.00	3,605.26
MW - 7	08/16/17	3,628.07	-	22.76	0.00	3,605.31
MW - 7	09/12/17	3,628.07	-	22.70	0.00	3,605.37
MW - 7	10/04/17	3,628.07	-	22.74	0.00	3,605.33
MW - 7	11/01/17	3,628.07	-	22.75	0.00	3,605.32
MW - 7	12/06/17	3,628.07	-	22.78	0.00	3,605.29
MW - 7	01/30/18	3,628.07	-	22.78	0.00	3,605.29
MW - 7	02/19/18	3,628.07	-	22.79	0.00	3,605.28
MW - 7	03/06/18	3,628.07	-	22.82	0.00	3,605.25
MW - 7	04/10/18	3,628.07	-	22.80	0.00	3,605.27
MW - 7	05/02/18	3,628.07	-	22.82	0.00	3,605.25
MW - 7	06/07/18	3,628.07	-	22.83	0.00	3,605.24
MW - 7	08/01/18	3,628.07	-	22.82	0.00	3,605.25
MW - 7	08/14/18	3,628.07	-	22.82	0.00	3,605.25
MW - 7	09/26/18	3,628.07	-	22.84	0.00	3,605.23
MW - 7	11/14/18	3,628.07	-	22.78	0.00	3,605.29
MW - 7	12/10/18	3,628.07	-	22.78	0.00	3,605.29
MW - 7	01/10/19	3,628.07	-	22.77	0.00	3,605.30
MW - 7	02/11/19	3,628.07	-	22.79	0.00	3,605.28
MW - 7	03/14/19	3,628.07	-	22.80	0.00	3,605.27
MW - 7	04/10/19	3,628.07	-	22.81	0.00	3,605.26
MW - 7	05/07/19	3,628.07	-	22.82	0.00	3,605.25
MW - 7	07/30/19	3,628.07	-	22.84	0.00	3,605.23
MW - 7	08/19/19	3,628.07	-	22.83	0.00	3,605.24
MW - 7	09/16/19	3,628.07	-	22.82	0.00	3,605.25
MW - 7	11/18/19	3,628.07	-	22.81	0.00	3,605.26
MW - 7	12/27/19	3,628.07	-	22.80	0.00	3,605.27
MW - 7	01/20/20	3,628.07	-	22.82	0.00	3,605.25
MW - 7	02/12/20	3,628.07	-	22.83	0.00	3,605.24
MW - 7	05/12/20	3,628.07	-	22.83	0.00	3,605.24
MW - 7	06/04/20	3,628.07	-	22.84	0.00	3,605.23
MW - 7	07/31/20	3,628.07	-	22.86	0.00	3,605.21
MW - 7	08/17/20	3,628.07	-	22.85	0.00	3,605.22
MW - 7	09/08/20	3,628.07	-	22.85	0.00	3,605.22
MW - 7	10/28/20	3,628.07	-	22.85	0.00	3,605.22

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 7	11/18/20	3,628.07	-	22.84	0.00	3,605.23
MW - 7	12/22/20	3,628.07	-	22.84	0.00	3,605.23
MW - 7	01/18/21	3,628.07	-	22.84	0.00	3,605.23
MW - 7	02/08/21	3,628.07	-	22.85	0.00	3,605.22
MW - 7	03/03/21	3,628.07	-	22.85	0.00	3,605.22
MW - 7	04/26/21	3,628.07	-	22.85	0.00	3,605.22
MW - 7	05/18/21	3,628.07	-	22.85	0.00	3,605.22
MW - 7	06/08/21	3,628.07	-	22.86	0.00	3,605.21
MW - 7	07/14/21	3,628.07	-	22.83	0.00	3,605.24
MW - 7	08/16/21	3,628.07	-	22.84	0.00	3,605.23
MW - 7	10/11/21	3,628.07	-	22.83	0.00	3,605.24
MW - 7	11/29/21	3,628.07	-	22.82	0.00	3,605.25
MW - 7	01/10/22	3,628.07	-	22.84	0.00	3,605.23
MW - 7	02/28/22	3,628.07	-	22.84	0.00	3,605.23
MW - 7	04/15/22	3,628.07	-	22.87	0.00	3,605.20
MW - 7	06/07/22	3,628.07	-	22.86	0.00	3,605.21
MW - 7	08/31/22	3,628.07	-	22.86	0.00	3,605.21
MW - 7	11/03/22	3,628.07	-	23.00	0.00	3,605.07

*Well damaged, not gauged or sampled this event.
**Denotes change in TOC elevation due to wellhead repairs.

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

Results are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	Methods: EPA SW 846-8021, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 1	05/02/97	ND	ND	ND	ND	
MW - 1	08/15/97	0.0020	ND	ND	ND	
MW - 1	11/01/97	0.0080	ND	0.002	0.0070	
MW - 1	02/19/98	0.0090	ND	ND	0.0030	
MW - 1	01/23/99	0.0100	<0.001	<0.001	<0.002	<0.001
MW - 1	05/20/99	0.0080	<0.001	<0.001	<0.002	<0.001
MW - 1	09/07/99	0.0030	0.0020	<0.001	0.0010	0.002
MW - 1	12/10/99	0.0020	0.0010	<0.001	0.0010	<0.001
MW - 1	03/06/00	<0.001	0.0020	<0.001	0.0010	<0.001
MW - 1	05/16/00	<0.001	0.0020	0.001	<0.001	<0.001
MW - 1	08/31/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	11/17/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	03/07/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	05/30/01	0.0080	<0.005	0.015	<0.005	
MW - 1	08/27/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	10/12/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	02/25/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	05/13/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	09/10/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	11/15/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	02/11/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	05/13/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	08/22/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	12/15/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 1	03/04/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 1	08/31/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 1	12/10/04	**0.0126**	<0.005	0.008	0.0320	
MW - 1	03/14/05	Not Sampled on Current Sample Schedule				
MW - 1	06/13/05	Not Sampled on Current Sample Schedule				
MW - 1	09/12/05	Not Sampled on Current Sample Schedule				
MW - 1	12/06/05	<0.005	<0.005	<0.005	<0.005	
MW - 1	03/10/06	Not Sampled on Current Sample Schedule				
MW - 1	06/09/06	Not Sampled on Current Sample Schedule				
MW - 1	09/12/06	Not Sampled on Current Sample Schedule				
MW - 1	11/28/06	<0.001	<0.001	0.0031	0.0341	
MW - 1	02/22/07	Not Sampled on Current Sample Schedule				
MW - 1	05/17/07	Not Sampled on Current Sample Schedule				
MW - 1	08/21/07	<0.001	<0.001	<0.001	<0.001	
MW - 1	11/26/07	<0.001	<0.001	<0.001	0.0052	

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

Results are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	Methods: EPA SW 846-8021, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 1	02/26/08	Not Sampled on Current Sample Schedule				
MW - 1	05/26/08	<0.005	<0.005	<0.005	<0.005	
MW - 1	08/28/08	0.0022	0.0011	<0.00100	0.0041	
MW - 1	11/19/08	<0.001	<0.001	<0.001	0.0061	
MW - 1	02/13/09	<0.001	<0.001	<0.001	<0.001	
MW - 1	05/20/09	Not Sampled on Current Sample Schedule				
MW - 1	08/15/09	Not Sampled on Current Sample Schedule				
MW - 1	11/06/09	0.0035	<0.001	<0.001	<0.001	
MW - 1	02/05/10	Not Sampled on Current Sample Schedule				
MW - 1	05/03/10	Not Sampled on Current Sample Schedule				
MW - 1	08/02/10	Not Sampled on Current Sample Schedule				
MW - 1	11/01/10	Not sampled Due to PSH in Well				
MW - 1	02/07/11	Not sampled Due to PSH in Well				
MW - 1	05/10/11	Not sampled Due to PSH in Well				
MW - 1	08/08/11	Not sampled Due to PSH in Well				
MW - 1	11/10/11	Not sampled Due to PSH in Well				
MW - 1	02/16/12	Not Sampled on Current Sample Schedule				
MW - 1	05/12/12	Not Sampled on Current Sample Schedule				
MW - 1	08/01/12	Not Sampled on Current Sample Schedule				
MW - 1	11/06/12	<0.005	<0.005	<0.005	<0.005	
MW - 1	02/05/13	<0.005	<0.005	<0.005	<0.005	
MW - 1	05/09/13	<0.001	<0.001	<0.001	<0.001	
MW - 1	08/01/13	<0.001	<0.001	<0.001	0.0039	
MW - 1	11/07/13	0.0031	<0.001	<0.001	<0.00300	
MW - 1	02/17/14	0.00250	0.00250	<0.00100	0.0328	
MW - 1	05/07/14	0.00260	<0.00100	<0.00100	<0.00300	
MW - 1	08/26/14	<0.00500	<0.00500	<0.00500	<0.00500	
MW - 1	11/12/14	**<0.0200**	<0.0200	<0.0200	<0.0200	
MW - 1	02/25/15	**<0.0200**	<0.0200	<0.0200	<0.0200	
MW - 1	05/19/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 1	08/06/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 1	11/12/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 1	02/08/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 1	05/12/16	0.00120	<0.00100	<0.00100	0.00170	
MW - 1	08/11/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 1	11/10/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 1	02/15/17	<0.00200	<0.00200	0.00482	0.00414	
MW - 1	05/08/17	<0.00200	<0.00200	0.00578	<0.00400	
MW - 1	08/16/17	<0.00200	0.00216	<0.00200	0.01001	

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

Results are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	Methods: EPA SW 846-8021, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 1	11/01/17	<0.00200	<0.00200	<0.00200	0.00308	
MW - 1	02/19/18	<0.00200	<0.00200	<0.00200	0.00454	
MW - 1	05/02/18	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 1	08/14/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 1	11/14/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 1	02/11/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 1	05/07/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 1	08/19/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 1	11/18/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 1	02/12/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 1	06/04/20	<0.00100	<0.00500	<0.00100	<0.00500	
MW - 1	08/17/20	0.00353	0.00127	0.00158	<0.00200	
MW - 1	11/18/20	<0.00100	0.00125	<0.00100	<0.00200	
MW - 1	02/08/21	<0.00100	0.00234	0.00497	<0.00200	
MW - 1	05/18/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 1	08/16/21	0.00306	0.0175	0.0108	0.0802	
MW - 1	11/29/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 1	02/15/22	<0.00100	0.00597	0.00555	0.0402	
MW - 1	03/01/22	<0.00100	0.00120	<0.00100	0.00241	
MW - 1	06/07/22	<0.00100	<0.00100	<0.00100	0.00420	
MW - 1	09/01/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 1	11/03/22	<0.00100	<0.00100	0.00191	0.00828	
MW - 2	03/14/05	Not sampled Due to PSH in Well				
MW - 2	06/13/05	Not sampled Due to PSH in Well				
MW - 2	09/12/05	Not sampled Due to PSH in Well				
MW - 2	12/06/05	Not sampled Due to PSH in Well				
MW - 2	03/10/06	Not sampled Due to PSH in Well				
MW - 2	06/09/06	Not sampled Due to PSH in Well				
MW - 2	09/12/06	Not sampled Due to PSH in Well				
MW - 2	11/28/06	Not sampled Due to PSH in Well				
MW - 2	02/22/07	Not sampled Due to PSH in Well				
MW - 2	05/17/07	Not sampled Due to PSH in Well				
MW - 2	08/21/07	Not sampled Due to PSH in Well				
MW - 2	11/26/07	Not sampled Due to PSH in Well				
MW - 2	02/26/08	Not sampled Due to PSH in Well				
MW - 2	05/26/08	Not sampled Due to PSH in Well				
MW - 2	08/28/08	Not sampled Due to PSH in Well				
MW - 2	11/19/08	**0.5710**	0.4380	0.044	0.2110	

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

Results are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	Methods: EPA SW 846-8021, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 2	02/13/09	Not sampled Due to PSH in Well				
MW - 2	05/20/09	Not sampled Due to PSH in Well				
MW - 2	08/15/09	Not sampled Due to PSH in Well				
MW - 2	11/06/09	**0.0201**	<0.02	<0.02	0.0584	
MW - 2	02/05/10	Not sampled Due to PSH in Well				
MW - 2	05/03/10	Not sampled Due to PSH in Well				
MW - 2	08/02/10	Not sampled Due to PSH in Well				
MW - 2	11/01/10	Not sampled Due to PSH in Well				
MW - 2	02/07/11	Not sampled Due to PSH in Well				
MW - 2	05/10/11	Not sampled Due to PSH in Well				
MW - 2	08/08/11	Not sampled Due to PSH in Well				
MW - 2	11/10/11	Not sampled Due to PSH in Well				
MW - 2	02/16/12	Not sampled Due to PSH in Well				
MW - 2	05/12/12	Not sampled Due to PSH in Well				
MW - 2	08/01/12	Not sampled Due to PSH in Well				
MW - 2	11/06/12	Not sampled Due to PSH in Well				
MW - 2	02/05/13	Not sampled Due to PSH in Well				
MW - 2	05/09/13	Not sampled Due to PSH in Well				
MW - 2	08/01/13	Not sampled Due to PSH in Well				
MW - 2	11/07/13	Not sampled Due to PSH in Well				
MW - 2	02/17/14	Not sampled Due to PSH in Well				
MW - 2	05/07/14	Not sampled Due to PSH in Well				
MW - 2	08/26/14	Not sampled Due to PSH in Well				
MW - 2	11/12/14	Not sampled Due to PSH in Well				
MW - 2	02/25/15	Not sampled Due to PSH in Well				
MW - 2	05/19/15	Not sampled Due to PSH in Well				
MW - 2	08/06/15	Not sampled Due to PSH in Well				
MW - 2	11/12/15	<0.00100	<0.00100	<0.00100	0.0128	
MW - 2	02/08/16	<0.00100	<0.00100	<0.00100	0.00490	
MW - 2	05/12/16	<0.00100	<0.00100	<0.00100	0.00260	
MW - 2	08/11/16	<0.00100	<0.00100	<0.00100	0.00320	
MW - 2	11/10/16	<0.00100	<0.00100	<0.00100	0.00170	
MW - 2	02/15/17	0.00230	<0.00200	0.00490	0.00677	
MW - 2	05/08/17	0.00308	<0.00200	0.00776	<0.00400	
MW - 2	08/16/17	0.00365	0.00291	<0.00200	0.01192	
MW - 2	11/01/17	0.00202	0.00289	<0.00200	0.00423	
MW - 2	02/19/18	<0.00200	0.00352	<0.00200	<0.00400	
MW - 2	05/02/18	**0.0450**	<0.0100	0.0146	<0.00400	
MW - 2	08/14/18	<0.00100	<0.0100	<0.00500	<0.0200	

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

Results are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	Methods: EPA SW 846-8021, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		**0.01**	**0.75**	**0.75**	**0.62**	
MW - 2	11/14/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 2	02/11/19	<0.00100	0.00101	<0.00100	0.00208	
MW - 2	05/07/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 2	08/19/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 2	11/18/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 2	02/12/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 2	06/04/20	0.00318	<0.00500	0.00208	0.00920	
MW - 2	08/17/20	0.00309	0.00250	<0.00100	0.00377	
MW - 2	11/18/20	0.00394	0.00710	0.0123	0.00713	
MW - 2	02/08/21	<0.00100	0.00408	<0.00100	0.00320	
MW - 2	05/18/21	<0.00100	0.00228	0.00115	0.00504	
MW - 2	08/16/21	0.00249	0.00559	0.00286	0.01726	
MW - 2	11/29/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 2	02/15/22	0.00249	0.00917	0.00664	0.0452	
MW - 2	03/01/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 2	06/07/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 2	09/01/22	<0.00100	<0.00100	<0.00100	0.00229	
MW - 2	11/03/22	<0.00100	<0.00100	<0.00100	0.00211	
MW - 3	03/14/05	Not sampled Due to PSH in Well				
MW - 3	06/13/05	Not sampled Due to PSH in Well				
MW - 3	09/12/05	Not sampled Due to PSH in Well				
MW - 3	12/06/05	Not sampled Due to PSH in Well				
MW - 3	03/10/06	Not sampled Due to PSH in Well				
MW - 3	06/09/06	Not sampled Due to PSH in Well				
MW - 3	09/12/06	Not sampled Due to PSH in Well				
MW - 3	11/28/06	Not sampled Due to PSH in Well				
MW - 3	02/22/07	Not sampled Due to PSH in Well				
MW - 3	05/17/07	Not sampled Due to PSH in Well				
MW - 3	08/21/07	Not sampled Due to PSH in Well				
MW - 3	11/26/07	Not sampled Due to PSH in Well				
MW - 3	02/26/08	Not sampled Due to PSH in Well				
MW - 3	05/26/08	Not sampled Due to PSH in Well				
MW - 3	08/28/08	Not sampled Due to PSH in Well				
MW - 3	11/19/08	**2.4100**	**1.7400**	0.215	**0.6940**	
MW - 3	02/13/09	Not sampled Due to PSH in Well				
MW - 3	05/20/09	Not sampled Due to PSH in Well				
MW - 3	08/15/09	Not sampled Due to PSH in Well				
MW - 3	11/06/09	**0.0594**	<0.05	<0.05	0.0604	

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

Results are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	Methods: EPA SW 846-8021, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 3	02/05/10	Not sampled Due to PSH in Well				
MW - 3	05/03/10	Not sampled Due to PSH in Well				
MW - 3	08/02/10	Not sampled Due to PSH in Well				
MW - 3	11/01/10	Not sampled Due to PSH in Well				
MW - 3	02/07/11	Not sampled Due to PSH in Well				
MW - 3	05/10/11	Not sampled Due to PSH in Well				
MW - 3	08/08/11	Not sampled Due to PSH in Well				
MW - 3	11/10/11	Not sampled Due to PSH in Well				
MW - 3	02/16/12	Not sampled Due to PSH in Well				
MW - 3	05/12/12	Not sampled Due to PSH in Well				
MW - 3	08/01/12	Not sampled Due to PSH in Well				
MW - 3	11/06/12	Not sampled Due to PSH in Well				
MW - 3	02/05/13	Not sampled Due to PSH in Well				
MW - 3	05/09/13	Not sampled Due to PSH in Well				
MW - 3	08/01/13	Not sampled Due to PSH in Well				
MW - 3	11/07/13	Not sampled Due to PSH in Well				
MW - 3	02/17/14	Not sampled Due to PSH in Well				
MW - 3	05/07/14	Not sampled Due to PSH in Well				
MW - 3	08/26/14	Not sampled Due to PSH in Well				
MW - 3	11/12/14	Not sampled Due to PSH in Well				
MW - 3	02/25/15	Not sampled Due to PSH in Well				
MW - 3	05/19/15	Not sampled Due to PSH in Well				
MW - 3	08/06/15	Not sampled Due to PSH in Well				
MW - 3	02/08/16	Not sampled Due to PSH in Well				
MW - 3	05/12/16	Not sampled Due to PSH in Well				
MW - 3	08/11/16	Not sampled Due to PSH in Well				
MW - 3	11/10/16	Not sampled Due to PSH in Well				
MW - 3	02/15/17	Not sampled Due to PSH in Well				
MW - 3	05/08/17	Not sampled Due to PSH in Well				
MW - 3	08/16/17	Not sampled Due to PSH in Well				
MW - 3	11/01/17	Not sampled Due to PSH in Well				
MW - 3	02/19/18	Not sampled Due to PSH in Well				
MW - 3	05/02/18	Not sampled Due to PSH in Well				
MW - 3	08/14/18	Not sampled Due to PSH in Well				
MW - 3	11/14/18	Not sampled Due to PSH in Well				
MW - 3	02/11/19	Not sampled Due to PSH in Well				
MW - 3	05/07/19	Not sampled Due to PSH in Well				
MW - 3	08/19/19	Not sampled Due to PSH in Well				
MW - 3	11/18/19	Not sampled Due to PSH in Well				

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

Results are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	Methods: EPA SW 846-8021, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		**0.01**	**0.75**	**0.75**	**0.62**	
MW - 3	02/12/20	Not sampled Due to PSH in Well				
MW - 3	06/04/20	Not sampled Due to PSH in Well				
MW - 3	08/17/20	Not sampled Due to PSH in Well				
MW - 3A	11/18/20	0.00301	0.00151	<0.00100	<0.00200	
MW - 3A	02/08/21	Not sampled Due to PSH in Well				
MW - 3A	05/18/21	Not sampled Due to PSH in Well				
MW - 3A	08/16/21	Not sampled Due to PSH in Well				
MW - 3A	11/29/21	0.00187	0.00220	0.00217	0.00908	
MW - 3A	03/01/22	**0.0126**	0.0237	0.0278	0.1273	
MW - 3A	06/07/22	0.00221	0.00404	0.00232	0.02642	
MW - 3A	09/01/22	0.00226	0.00109	<0.00100	0.01064	
MW - 3A	11/03/22	0.00338	0.00207	0.00140	0.01699	
MW - 4	02/19/98	ND	ND	ND	ND	
MW - 4	01/23/99	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 4	05/20/99	<0.001	<0.001	<0.002	<0.001	<0.002
MW - 4	09/07/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	12/10/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	03/06/00	<0.001	<0.001	<0.001	0.0010	<0.001
MW - 4	05/16/00	<0.001	0.0020	0.001	0.0010	<0.001
MW - 4	08/31/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	11/17/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	03/07/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	05/30/01	0.0067	<0.005	<0.005	<0.005	
MW - 4	08/27/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	10/12/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	02/25/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	05/13/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	09/10/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	11/15/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	02/11/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	05/13/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	08/22/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	12/15/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 4	03/04/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 4	12/10/04	<0.001	<0.001	<0.001	<0.001	
MW - 4	03/14/05	Not Sampled on Current Sample Schedule				
MW - 4	06/13/05	Not Sampled on Current Sample Schedule				

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

Results are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	Methods: EPA SW 846-8021, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 4	09/12/05	Not Sampled on Current Sample Schedule				
MW - 4	12/06/05	<0.001	<0.001	<0.001	<0.001	
MW - 4	03/10/06	Not Sampled on Current Sample Schedule				
MW - 4	06/09/06	Not Sampled on Current Sample Schedule				
MW - 4	09/12/06	Not Sampled on Current Sample Schedule				
MW - 4	11/28/06	<0.001	<0.001	<0.001	<0.001	
MW - 4	02/22/07	Not Sampled on Current Sample Schedule				
MW - 4	05/17/07	Not Sampled on Current Sample Schedule				
MW - 4	08/21/07	Not Sampled on Current Sample Schedule				
MW - 4	11/26/07	<0.001	<0.001	<0.001	<0.001	
MW - 4	02/26/08	Not Sampled on Current Sample Schedule				
MW - 4	05/26/08	Not Sampled on Current Sample Schedule				
MW - 4	08/28/08	Not Sampled on Current Sample Schedule				
MW - 4	11/19/08	<0.001	<0.001	<0.001	<0.001	
MW - 4	02/13/09	Not Sampled on Current Sample Schedule				
MW - 4	05/20/09	Not Sampled on Current Sample Schedule				
MW - 4	08/15/09	Not Sampled on Current Sample Schedule				
MW - 4	11/06/09	<0.001	<0.001	<0.001	<0.001	
MW - 4	02/05/10	Not Sampled on Current Sample Schedule				
MW - 4	05/03/10	Not Sampled on Current Sample Schedule				
MW - 4	08/02/10	Not Sampled on Current Sample Schedule				
MW - 4	11/01/10	<0.001	<0.001	<0.001	<0.001	
MW - 4	02/07/11	Not Sampled on Current Sample Schedule				
MW - 4	05/10/11	Not Sampled on Current Sample Schedule				
MW - 4	08/08/11	Not Sampled on Current Sample Schedule				
MW - 4	11/10/11	<0.001	<0.001	<0.001	<0.001	
MW - 4	02/16/12	Not Sampled on Current Sample Schedule				
MW - 4	05/12/12	Not Sampled on Current Sample Schedule				
MW - 4	08/01/12	Not Sampled on Current Sample Schedule				
MW - 4	11/06/12	<0.001	<0.001	<0.001	<0.001	
MW - 4	02/05/13	Not Sampled on Current Sample Schedule				
MW - 4	05/09/13	Not Sampled on Current Sample Schedule				
MW - 4	08/01/13	Not Sampled on Current Sample Schedule				
MW - 4	11/07/13	<0.001	<0.001	<0.001	<0.00300	
MW - 4	02/17/14	Not Sampled on Current Sample Schedule				
MW - 4	05/07/14	Not Sampled on Current Sample Schedule				
MW - 4	08/26/14	Not Sampled on Current Sample Schedule				
MW - 4	11/12/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 4	02/25/15	Not Sampled on Current Sample Schedule				

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

Results are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	Methods: EPA SW 846-8021, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 4	05/19/15	Not Sampled on Current Sample Schedule				
MW - 4	08/06/15	Not Sampled on Current Sample Schedule				
MW - 4	11/12/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 4	02/08/16	Not Sampled on Current Sample Schedule				
MW - 4	05/12/16	Not Sampled on Current Sample Schedule				
MW - 4	08/11/16	Not Sampled on Current Sample Schedule				
MW - 4	11/10/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 4	02/15/17	Not Sampled on Current Sample Schedule				
MW - 4	05/08/17	Not Sampled on Current Sample Schedule				
MW - 4	08/16/17	Not Sampled on Current Sample Schedule				
MW - 4	11/01/17	<0.00200	<0.00200	<0.00200	<0.002	
MW - 4	02/19/18	Not Sampled on Current Sample Schedule				
MW - 4	05/02/18	Not Sampled on Current Sample Schedule				
MW - 4	08/14/18	Not Sampled on Current Sample Schedule				
MW - 4	11/14/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 4	02/11/19	Not Sampled on Current Sample Schedule				
MW - 4	05/07/19	Not Sampled on Current Sample Schedule				
MW - 4	08/19/19	Not Sampled on Current Sample Schedule				
MW - 4	11/18/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 4	02/12/20	Not Sampled on Current Sample Schedule				
MW - 4	06/04/20	Not Sampled on Current Sample Schedule				
MW - 4	08/17/20	Not Sampled on Current Sample Schedule				
MW - 4	11/18/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 4	02/08/21	Not Sampled on Current Sample Schedule				
MW - 4	05/18/21	Not Sampled on Current Sample Schedule				
MW - 4	08/16/21	Not Sampled on Current Sample Schedule				
MW - 4	11/29/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 4	03/01/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 4	06/07/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 4	09/01/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 4	11/03/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 5	02/19/98	ND	ND	ND	ND	
MW - 5	01/23/99	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 5	05/20/99	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 5	09/07/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	12/10/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	03/06/00	<0.001	<0.001	<0.001	0.0010	<0.001
MW - 5	05/16/00	<0.001	<0.001	<0.001	<0.001	<0.001

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

Results are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	Methods: EPA SW 846-8021, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 5	08/31/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	11/17/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	03/07/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	05/30/01	0.0067	<0.005	<0.005	<0.005	
MW - 5	08/27/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	10/12/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	02/25/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	05/13/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	09/10/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	11/15/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	02/11/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	05/13/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	08/22/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	12/15/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 5	03/04/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 5	05/25/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 5	08/31/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 5	12/10/04	<0.001	<0.001	<0.001	<0.001	
MW - 5	03/14/05	<0.001	<0.001	<0.001	<0.001	
MW - 5	06/13/05	<0.001	<0.001	<0.001	<0.001	
MW - 5	09/12/05	Not Sampled on Current Sample Schedule				
MW - 5	12/06/05	<0.001	<0.001	<0.001	<0.001	
MW - 5	03/10/06	Not Sampled on Current Sample Schedule				
MW - 5	06/09/06	Not Sampled on Current Sample Schedule				
MW - 5	09/12/06	Not Sampled on Current Sample Schedule				
MW - 5	11/28/06	<0.001	<0.001	<0.001	<0.001	
MW - 5	02/22/07	Not Sampled on Current Sample Schedule				
MW - 5	05/17/07	Not Sampled on Current Sample Schedule				
MW - 5	08/21/07	Not Sampled on Current Sample Schedule				
MW - 5	11/26/07	<0.001	<0.001	<0.001	<0.001	
MW - 5	02/26/08	Not Sampled on Current Sample Schedule				
MW - 5	05/26/08	Not Sampled on Current Sample Schedule				
MW - 5	08/28/08	Not Sampled on Current Sample Schedule				
MW - 5	11/19/08	<0.001	<0.001	<0.001	<0.001	
MW - 5	02/13/09	Not Sampled on Current Sample Schedule				
MW - 5	05/20/09	Not Sampled on Current Sample Schedule				
MW - 5	08/15/09	Not Sampled on Current Sample Schedule				
MW - 5	11/06/09	<0.001	<0.001	<0.001	<0.001	
MW - 5	02/05/10	Not Sampled on Current Sample Schedule				

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

Results are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	Methods: EPA SW 846-8021, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 5	05/03/10	Not Sampled on Current Sample Schedule				
MW - 5	08/02/10	Not Sampled on Current Sample Schedule				
MW - 5	11/01/10	<0.001	<0.001	<0.001	<0.001	
MW - 5	02/07/11	Not Sampled on Current Sample Schedule				
MW - 5	05/10/11	Not Sampled on Current Sample Schedule				
MW - 5	08/08/11	Not Sampled on Current Sample Schedule				
MW - 5	11/10/11	<0.001	<0.001	<0.001	<0.001	
MW - 5	02/16/12	Not Sampled on Current Sample Schedule				
MW - 5	05/12/12	Not Sampled on Current Sample Schedule				
MW - 5	08/01/12	Not Sampled on Current Sample Schedule				
MW - 5	11/06/12	<0.001	<0.001	<0.001	<0.001	
MW - 5	02/05/13	Not Sampled on Current Sample Schedule				
MW - 5	05/09/13	Not Sampled on Current Sample Schedule				
MW - 5	08/01/13	Not Sampled on Current Sample Schedule				
MW - 5	11/07/13	<0.001	<0.001	<0.001	<0.0030	
MW - 5	02/17/14	Not Sampled on Current Sample Schedule				
MW - 5	05/07/14	Not Sampled on Current Sample Schedule				
MW - 5	08/26/14	Not Sampled on Current Sample Schedule				
MW - 5	11/12/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 5	02/25/15	Not Sampled on Current Sample Schedule				
MW - 5	05/19/15	Not Sampled on Current Sample Schedule				
MW - 5	08/06/15	Not Sampled on Current Sample Schedule				
MW - 5	11/12/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 5	02/08/16	Not Sampled on Current Sample Schedule				
MW - 5	05/12/16	Not Sampled on Current Sample Schedule				
MW - 5	08/11/16	Not Sampled on Current Sample Schedule				
MW - 5	11/10/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 5	02/15/17	Not Sampled on Current Sample Schedule				
MW - 5	05/08/17	Not Sampled on Current Sample Schedule				
MW - 5	08/16/17	Not Sampled on Current Sample Schedule				
MW - 5	11/01/17	<0.00200	<0.00200	<0.00200	<0.002	
MW - 5	02/19/18	Not Sampled on Current Sample Schedule				
MW - 5	05/02/18	Not Sampled on Current Sample Schedule				
MW - 5	08/14/18	Not Sampled on Current Sample Schedule				
MW - 5	11/14/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 5	02/11/19	Not Sampled on Current Sample Schedule				
MW - 5	05/07/19	Not Sampled on Current Sample Schedule				
MW - 5	08/19/19	Not Sampled on Current Sample Schedule				
MW - 5	11/18/19	<0.00100	<0.00100	<0.00100	<0.00200	

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

Results are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	Methods: EPA SW 846-8021, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 5	02/12/20	Not Sampled on Current Sample Schedule				
MW - 5	06/04/20	Not Sampled on Current Sample Schedule				
MW - 5	08/17/20	Not Sampled on Current Sample Schedule				
MW - 5	11/18/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 5	02/08/21	Not Sampled on Current Sample Schedule				
MW - 5	05/18/21	Not Sampled on Current Sample Schedule				
MW - 5	08/16/21	Not Sampled on Current Sample Schedule				
MW - 5	11/29/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 5	03/01/22	Not Sampled on Current Sample Schedule				
MW - 5	06/07/22	Not Sampled on Current Sample Schedule				
MW - 5	09/01/22	Not Sampled on Current Sample Schedule				
MW - 5	11/03/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 6	02/19/98	ND	ND	ND	ND	
MW - 6	01/23/99	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 6	05/20/99	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 6	09/07/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	12/10/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	03/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	05/16/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	08/31/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	11/17/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	03/07/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	05/30/01	<0.005	<0.005	<0.005	<0.005	
MW - 6	02/25/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	05/13/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	09/10/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	11/15/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	02/11/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	05/13/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	08/22/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	12/15/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 6	03/04/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 6	12/10/04	0.0036	<0.001	<0.001	0.0032	
MW - 6	03/14/05	Not Sampled on Current Sample Schedule				
MW - 6	06/13/05	<0.001	<0.001	<0.001	<0.001	
MW - 6	09/12/05	Not Sampled on Current Sample Schedule				
MW - 6	12/06/05	<0.001	<0.001	<0.001	<0.001	
MW - 6	03/10/06	Not Sampled on Current Sample Schedule				

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

Results are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	Methods: EPA SW 846-8021, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 6	06/09/06	<0.001	<0.001	<0.001	<0.001	
MW - 6	09/12/06	Not Sampled on Current Sample Schedule				
MW - 6	11/28/06	<0.001	<0.001	<0.001	0.0013	
MW - 6	02/22/07	Not Sampled on Current Sample Schedule				
MW - 6	05/17/07	<0.001	<0.001	<0.001	<0.001	
MW - 6	08/21/07	Not Sampled on Current Sample Schedule				
MW - 6	11/26/07	<0.001	<0.001	<0.001	<0.001	
MW - 6	02/26/08	Not Sampled on Current Sample Schedule				
MW - 6	05/26/08	<0.001	<0.001	<0.001	0.0017	
MW - 6	08/28/08	Not Sampled on Current Sample Schedule				
MW - 6	11/19/08	<0.001	<0.001	<0.001	0.0017	
MW - 6	02/13/09	Not Sampled on Current Sample Schedule				
MW - 6	05/20/09	<0.001	<0.001	<0.001	<0.001	
MW - 6	08/15/09	Not Sampled on Current Sample Schedule				
MW - 6	11/06/09	<0.001	<0.001	<0.001	<0.001	
MW - 6	02/05/10	Not Sampled on Current Sample Schedule				
MW - 6	05/03/10	<0.001	<0.001	<0.001	<0.001	
MW - 6	08/02/10	Not Sampled on Current Sample Schedule				
MW - 6	11/01/10	<0.001	<0.001	<0.001	<0.001	
MW - 6	02/07/11	Not Sampled on Current Sample Schedule				
MW - 6	05/10/11	<0.001	<0.001	<0.001	<0.001	
MW - 6	08/08/11	Not Sampled on Current Sample Schedule				
MW - 6	11/10/11	<0.001	<0.001	<0.001	<0.001	
MW - 6	02/16/12	Not Sampled on Current Sample Schedule				
MW - 6	05/12/12	<0.001	<0.001	<0.001	<0.001	
MW - 6	08/01/12	Not Sampled on Current Sample Schedule				
MW - 6	11/06/12	<0.001	<0.001	<0.001	<0.001	
MW - 6	02/05/13	Not Sampled on Current Sample Schedule				
MW - 6	05/09/13	<0.001	<0.001	<0.001	<0.001	
MW - 6	08/01/13	Not Sampled on Current Sample Schedule				
MW - 6	11/07/13	<0.001	<0.001	<0.001	<0.0030	
MW - 6	02/17/14	Not Sampled on Current Sample Schedule				
MW - 6	05/07/14	<0.00100	<0.00100	<0.00100	<0.00300	
MW - 6	08/26/14	Not Sampled on Current Sample Schedule				
MW - 6	11/12/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 6	02/25/15	Not Sampled on Current Sample Schedule				
MW - 6	05/19/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 6	08/06/15	Not Sampled on Current Sample Schedule				
MW - 6	11/12/15	<0.00100	<0.00100	<0.00100	<0.00100	

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

Results are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	Methods: EPA SW 846-8021, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 6	02/08/16	Not Sampled on Current Sample Schedule				
MW - 6	05/12/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 6	08/11/16	Not Sampled on Current Sample Schedule				
MW - 6	11/10/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 6	02/15/17	Not Sampled on Current Sample Schedule				
MW - 6	05/08/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 6	08/16/17	Not Sampled on Current Sample Schedule				
MW - 6	11/01/17	<0.00200	<0.00200	<0.00200	<0.002	
MW - 6	02/19/18	Not Sampled on Current Sample Schedule				
MW - 6	05/02/18	0.00353	0.00623	<0.00200	<0.00400	
MW - 6	08/14/18	Not Sampled on Current Sample Schedule				
MW - 6	11/14/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 6	02/11/19	Not Sampled on Current Sample Schedule				
MW - 6	05/07/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 6	08/19/19	Not Sampled on Current Sample Schedule				
MW - 6	11/18/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 6	02/12/20	Not Sampled on Current Sample Schedule				
MW - 6	06/04/20	<0.00100	<0.00500	<0.00100	<0.00500	
MW - 6	08/17/20	Not Sampled on Current Sample Schedule				
MW - 6	11/18/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 6	02/08/21	Not Sampled on Current Sample Schedule				
MW - 6	05/18/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 6	08/16/21	Not Sampled on Current Sample Schedule				
MW - 6	11/29/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 6	03/01/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 6	06/07/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 6	09/01/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 6	11/03/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 7	02/19/98	ND	ND	ND	ND	
MW - 7	01/23/99	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 7	05/20/99	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 7	09/07/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	12/10/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	03/06/00	<0.001	<0.001	<0.001	0.0010	<0.001
MW - 7	05/16/00	0.0010	0.0040	0.001	0.0010	0.002
MW - 7	08/31/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	11/17/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	03/07/01	<0.001	<0.001	<0.001	<0.001	<0.001

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

Results are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	Methods: EPA SW 846-8021, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 7	05/30/01	0.0065	<0.005	<0.005	<0.005	
MW - 7	08/27/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	10/12/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	02/25/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	05/13/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	09/10/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	11/15/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	02/11/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	05/13/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	08/22/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	12/15/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 7	03/04/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 7	12/10/04	<0.001	<0.001	<0.001	<0.001	
MW - 7	03/14/05	Not Sampled on Current Sample Schedule				
MW - 7	06/13/05	<0.001	<0.001	<0.001	<0.001	
MW - 7	09/12/05	Not Sampled on Current Sample Schedule				
MW - 7	12/06/05	<0.001	<0.001	<0.001	<0.001	
MW - 7	03/10/06	Not Sampled on Current Sample Schedule				
MW - 7	06/09/06	<0.001	<0.001	<0.001	<0.001	
MW - 7	09/12/06	Not Sampled on Current Sample Schedule				
MW - 7	11/28/06	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/22/07	Not Sampled on Current Sample Schedule				
MW - 7	05/17/07	<0.001	<0.001	<0.001	<0.001	
MW - 7	08/21/07	Not Sampled on Current Sample Schedule				
MW - 7	11/26/07	0.0031	<0.001	<0.001	<0.001	
MW - 7	02/26/08	Not Sampled on Current Sample Schedule				
MW - 7	05/26/08	<0.001	<0.001	<0.001	<0.001	
MW - 7	08/28/08	Not Sampled on Current Sample Schedule				
MW - 7	11/19/08	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/13/09	Not Sampled on Current Sample Schedule				
MW - 7	05/20/09	0.0071	<0.001	<0.001	<0.001	
MW - 7	08/15/09	Not Sampled on Current Sample Schedule				
MW - 7	11/06/09	0.0013	<0.001	<0.001	<0.001	
MW - 7	02/05/10	Not Sampled on Current Sample Schedule				
MW - 7	05/03/10	<0.001	<0.001	<0.001	<0.001	
MW - 7	08/02/10	Not Sampled on Current Sample Schedule				
MW - 7	11/01/10	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/07/11	Not Sampled on Current Sample Schedule				
MW - 7	05/10/11	<0.001	<0.001	<0.001	<0.001	

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

Results are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	Methods: EPA SW 846-8021, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 7	08/08/11	Not Sampled on Current Sample Schedule				
MW - 7	11/10/11	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/16/12	Not Sampled on Current Sample Schedule				
MW - 7	05/12/12	<0.001	<0.001	<0.001	<0.001	
MW - 7	08/01/12	Not Sampled on Current Sample Schedule				
MW - 7	11/06/12	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/05/13	Not Sampled on Current Sample Schedule				
MW - 7	05/09/13	<0.001	<0.001	<0.001	<0.001	
MW - 7	08/01/13	Not Sampled on Current Sample Schedule				
MW - 7	11/07/13	<0.001	<0.001	<0.001	<0.00300	
MW - 7	02/17/14	Not Sampled on Current Sample Schedule				
MW - 7	05/07/14	<0.00100	<0.00100	<0.00100	<0.00300	
MW - 7	08/26/14	Not Sampled on Current Sample Schedule				
MW - 7	11/12/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 7	02/25/15	Not Sampled on Current Sample Schedule				
MW - 7	05/19/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 7	08/06/15	Not Sampled on Current Sample Schedule				
MW - 7	11/12/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 7	02/08/16	Not Sampled on Current Sample Schedule				
MW - 7	05/12/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 7	08/11/16	Not Sampled on Current Sample Schedule				
MW - 7	11/10/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 7	02/15/17	Not Sampled on Current Sample Schedule				
MW - 7	05/08/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 7	08/16/17	Not Sampled on Current Sample Schedule				
MW - 7	11/01/17	<0.00200	<0.00200	<0.00200	<0.002	
MW - 7	02/19/18	Not Sampled on Current Sample Schedule				
MW - 7	05/02/18	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 7	08/14/18	Not Sampled on Current Sample Schedule				
MW - 7	11/14/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 7	02/11/19	Not Sampled on Current Sample Schedule				
MW - 7	05/07/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 7	08/19/19	Not Sampled on Current Sample Schedule				
MW - 7	11/18/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 7	02/12/20	Not Sampled on Current Sample Schedule				
MW - 7	06/04/20	<0.00100	<0.00500	<0.00100	<0.00500	
MW - 7	08/17/20	Not Sampled on Current Sample Schedule				
MW - 7	11/18/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 7	02/08/21	Not Sampled on Current Sample Schedule				

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD Reference 1R-0119

Results are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	Methods: EPA SW 846-8021, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		**0.01**	**0.75**	**0.75**	**0.62**	
MW - 7	05/18/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 7	08/16/21	Not Sampled on Current Sample Schedule				
MW - 7	11/29/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 7	03/01/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 7	06/07/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 7	09/01/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 7	11/03/22	<0.00100	<0.00100	<0.00100	<0.00200	

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0119

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		---	---	**0.001 mg/L**	**0.0001 mg/L**	**0.0007 mg/L**	**0.001 mg/L**	---	**0.001 mg/L**	**0.0002 mg/L**	**0.0003 mg/L**	**0.001 mg/L**	**0.001 mg/L**	**0.0004 mg/L**	**0.001 mg/L**	**0.001 mg/L**	**0.03 mg/L**			---
MW-1	11/19/08	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	0.000788	<0.000185	0.000887	<0.000185	0.000386	0.00226	0.000251	0.00143
MW-1	11/06/09	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922
MW-1	11/01/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-1	11/10/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-1	12/04/12	<0.000948	<0.000948	<0.000948	<0.000948	<0.000948	<0.000948	<0.000948	<0.000948	<0.000948	<0.000948	<0.000948	<0.000948	<0.000948	<0.000948	<0.000948	<0.000948	0.00347	<0.000948	<0.000948
MW-1	11/07/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-1	11/12/14	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
MW-1	11/12/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-1	11/10/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-1	11/01/17	Not Sampled as part of Quarterly Monitoring Event.																		
MW-1	11/14/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-1	11/18/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-1	11/18/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-1	11/29/21	Not Sampled as part of Quarterly Monitoring Event.																		
MW-1	11/03/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-2	11/19/08	<0.0229	<0.0229	**0.115**	<0.0229	<0.0229	<0.0229	<0.0229	<0.0229	**0.0281**	<0.0229	<0.0229	**0.0786**	<0.0229	**0.114**	<0.0229	**0.0899**	**0.429**	**0.337**	0.0612
MW-2	11/06/09	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	**0.0152**	<0.00184	**0.0198**	<0.00184	**0.0190**	**0.112**	**0.0699**	0.0119
MW-2	11/01/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-2	11/10/11	Not Sampled due to presence of PSH.																		
MW-2	12/04/12	Not Sampled due to presence of PSH.																		
MW-2	11/07/13	Not Sampled due to presence of PSH.																		
MW-2	11/12/14	Not Sampled due to presence of PSH.																		
MW-2	11/12/15	<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	<0.000200
MW-2	11/10/16	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<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-2	11/01/17	Not Sampled as part of Quarterly Monitoring Event.																		
MW-2	11/14/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-2	11/18/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-2	11/18/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-2	11/29/21	Not Sampled as part of Quarterly Monitoring Event.																		

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0119

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	11/03/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-3	11/19/08	<0.0917	<0.0917	<0.0917	<0.0917	<0.0917	<0.0917	<0.0917	<0.0917	<0.0917	<0.0917	<0.0917	**0.373**	<0.0917	**0.473**	<0.0917	**0.468**	**1.85**	**1.79**	0.269
MW-3	11/06/09	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	**0.0134**	<0.000926	**0.0216**	<0.000926	**0.0178**	**0.105**	**0.0896**	0.0113
MW-3	11/01/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-3	11/10/11	Not Sampled due to presence of PSH.																		
MW-3	12/04/12	Not Sampled due to presence of PSH.																		
MW-3	11/07/13	Not Sampled due to presence of PSH.																		
MW-3	11/12/14	Not Sampled due to presence of PSH.																		
MW-3	11/12/15	Not Sampled due to presence of PSH.																		
MW-3	11/10/16	Not Sampled due to presence of PSH.																		
MW-3	11/01/17	Not Sampled due to presence of PSH.																		
MW-3	11/14/18	Not Sampled due to presence of PSH.																		
MW-3	11/18/19	Not Sampled due to presence of PSH.																		
MW-3A	11/18/20	0.00016	0.00020	<0.00010	**0.00017**	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	**0.0014**	<0.00010	**0.0024**	<0.00010	**0.0331**			0.0017
MW-3A	11/29/21	<0.00012	<0.00012	<0.00012	**<0.00012**	<0.00012	<0.00012	<0.00012	<0.00012	<0.00012	<0.00012	<0.00012	**0.0020**	<0.00012	**0.0015**	<0.00012	**0.0365**			0.0024
MW-3A	11/03/22	0.00067	0.0013	**<0.0011**	**<0.0011**	**<0.0011**	**<0.0011**	<0.0011	**<0.0011**	**<0.0011**	**<0.0011**	**0.0070**	**<0.0011**	**0.0093**	**<0.0011**	<0.00011	**0.089**			<0.0011
MW-4	11/19/08	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
MW-4	11/06/09	<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-4	11/01/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-4	11/10/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-4	12/04/12	Not Sampled as part of Quarterly Monitoring Event.																		
MW-4	11/07/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-4	11/12/14	Not Sampled as part of Quarterly Monitoring Event.																		
MW-4	11/12/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-4	11/10/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-4	11/01/17	Not Sampled as part of Quarterly Monitoring Event.																		
MW-4	11/14/18	Not Sampled as part of Quarterly Monitoring Event.																		

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0119

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		---	---	**0.001 mg/L**	**0.0001 mg/L**	**0.0007 mg/L**	**0.001 mg/L**	---	**0.001 mg/L**	**0.0002 mg/L**	**0.0003 mg/L**	**0.001 mg/L**	**0.001 mg/L**	**0.0004 mg/L**	**0.001 mg/L**	**0.001 mg/L**	**0.03 mg/L**			---
MW-4	11/18/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-4	11/13/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-4	11/29/21	Not Sampled as part of Quarterly Monitoring Event.																		
MW-4	11/03/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	11/19/08	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
MW-5	11/06/09	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185
MW-5	11/01/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	11/10/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	12/04/12	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	11/07/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	11/12/14	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	11/12/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	11/10/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	11/01/17	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	11/14/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	11/18/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	11/23/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	11/29/21	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	11/03/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-6	11/19/08	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
MW-6	11/06/09	<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-6	11/01/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-6	11/10/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-6	12/04/12	Not Sampled as part of Quarterly Monitoring Event.																		
MW-6	11/07/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-6	11/12/14	Not Sampled as part of Quarterly Monitoring Event.																		
MW-6	11/12/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-6	11/10/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-6	11/01/17	Not Sampled as part of Quarterly Monitoring Event.																		

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
MONUMENT 10
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0119

All water concentrations are reported in mg/L

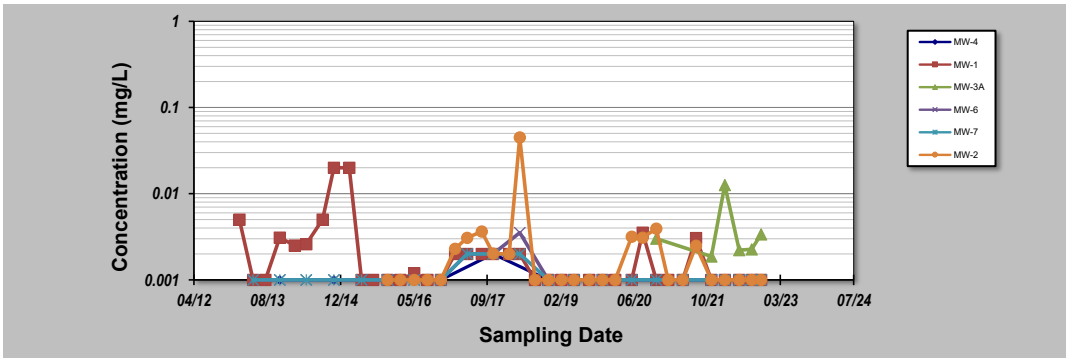
SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		---	---	**0.001 mg/L**	**0.0001 mg/L**	**0.0007 mg/L**	**0.001 mg/L**	---	**0.001 mg/L**	**0.0002 mg/L**	**0.0003 mg/L**	**0.001 mg/L**	**0.001 mg/L**	**0.0004 mg/L**	**0.001 mg/L**	**0.001 mg/L**	**0.03 mg/L**			---
MW-6	11/14/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-6	11/18/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-6	11/13/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-6	11/29/21	Not Sampled as part of Quarterly Monitoring Event.																		
MW-6	11/03/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-7	11/19/08	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	0.000237	<0.000186	<0.000186	0.00034	<0.000186	0.000338
MW-7	11/06/09	<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-7	11/01/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-7	11/10/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-7	12/04/12	Not Sampled as part of Quarterly Monitoring Event.																		
MW-7	11/07/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-7	11/12/14	Not Sampled as part of Quarterly Monitoring Event.																		
MW-7	11/12/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-7	11/10/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-7	11/01/17	Not Sampled as part of Quarterly Monitoring Event.																		
MW-7	11/14/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-7	11/18/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-7	11/13/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-7	11/29/21	Not Sampled as part of Quarterly Monitoring Event.																		
MW-7	11/03/22	Not Sampled as part of Quarterly Monitoring Event.																		

TABLE 7

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	01/01/23	Job ID:	NMOCD 1R-0119
Facility Name:	Monument 10	Constituent:	Benzene
Conducted By:	TRC	Concentration Units:	mg/L

Sampling Point ID:	MW-4	MW-1	MW-3A	MW-6	MW-7	MW-2	
Sampling Event	Sampling Date	BENZENE CONCENTRATION (mg/L)						
1	02/05/13		0.005					
2	05/09/13		0.001		0.001	0.001		
3	08/01/13		0.001					
4	11/07/13	0.001	0.0031		0.001	0.001		
5	02/17/14		0.00250					
6	05/07/14		0.00260		0.00100	0.00100		
7	08/26/14		0.00500					
8	11/12/14	0.00100	0.0200		0.00100	0.00100		
9	02/25/15		0.0200					
10	05/19/15		0.00100		0.00100	0.00100		
11	08/06/15		0.00100					
12	11/12/15	0.00100	0.00100		0.00100	0.00100	0.00100	
13	02/08/16		0.00100				0.00100	
14	05/12/16		0.00120		0.00100	0.00100	0.00100	
15	08/11/16		0.00100				0.00100	
16	11/10/16	0.00100	0.00100		0.00100	0.00100	0.00100	
17	02/15/17		0.00200				0.00230	
18	05/08/17		0.00200		0.00200	0.00200	0.00308	
19	08/16/17		0.00200				0.00365	
20	11/01/17	0.00200	0.00200		0.00200	0.00200	0.00202	
21	02/19/18		0.00200				0.00200	
22	05/02/18		0.00200		0.00353	0.00200	0.0450	
23	08/14/18		0.00100				0.00100	
24	11/14/18	0.00100	0.00100		0.00100	0.00100	0.00100	
25	02/11/19		0.00100				0.00100	
26	05/07/19		0.00100		0.00100	0.00100	0.00100	
27	08/19/19		0.00100				0.00100	
28	11/18/19	0.00100	0.00100		0.00100	0.00100	0.00100	
29	02/12/20		0.00100				0.00100	
30	06/04/20		0.00100		0.00100	0.00100	0.00318	
31	08/17/20		0.00353				0.00309	
32	11/18/20	0.00100	0.00100	0.00301	0.00100	0.00100	0.00394	
33	02/08/21		0.00100				0.00100	
34	05/18/21		0.00100		0.00100	0.00100	0.00100	
35	08/16/21		0.00306				0.00249	
36	11/29/21	0.00100	0.00100	0.00187	0.00100	0.00100	0.00100	
37	03/01/22	0.00100	0.00100	0.0126	0.00100	0.00100	0.00100	
38	06/07/22	0.00100	0.00100	0.00221	0.00100	0.00100	0.00100	
39	09/01/22	0.00100	0.00100	0.00226	0.00100	0.00100	0.00100	
40	11/03/22	0.00100	0.00100	0.00338	0.00100	0.00100	0.00100	
Coefficient of Variation:		0.27	1.64	1.05	0.50	0.31	2.60	
Mann-Kendall Statistic (S):		-3	-191	0	-4	-6	-13	
Confidence Factor:		55.4%	99.0%	40.8%	53.6%	55.9%	59.3%	
Concentration Trend:		Stable	Decreasing	No Trend	Stable	Stable	No Trend	



Notes:

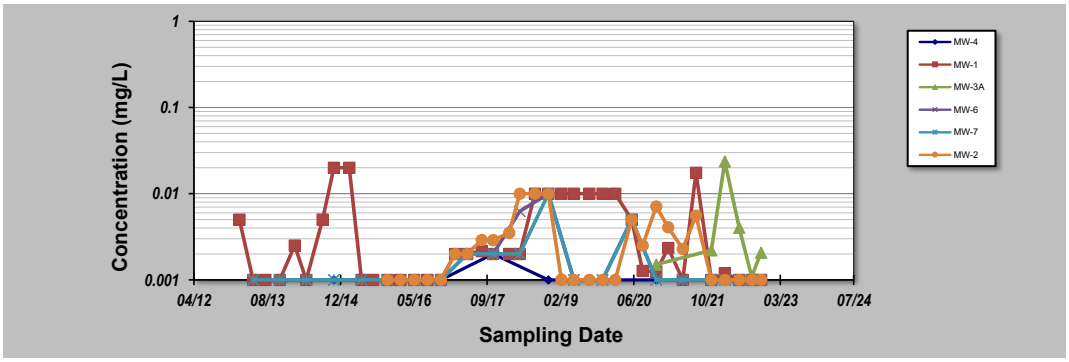
1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. 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.

TABLE 8

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 01/01/23
Facility Name: Monument 10
Conducted By: TRC
Job ID: NMOCD 1R-0119
Constituent: Toluene
Concentration Units: mg/L

Sampling Point ID:	MW-4	MW-1	MW-3A	MW-6	MW-7	MW-2	
Sampling Event	Sampling Date	TOLUENE CONCENTRATION (mg/L)						
1	02/05/13		0.005					
2	05/09/13		0.001		0.001	0.001		
3	08/01/13		0.001					
4	11/07/13	0.001	0.001		0.001	0.001		
5	02/17/14		0.00250					
6	05/07/14		0.00100		0.00100	0.00100		
7	08/26/14		0.00500					
8	11/12/14	0.001	0.0200		0.00100	0.00100		
9	02/25/15		0.0200					
10	05/19/15		0.00100		0.00100	0.00100		
11	08/06/15		0.00100					
12	11/12/15	0.00100	0.00100		0.00100	0.00100	0.00100	
13	02/08/16		0.00100				0.00100	
14	05/12/16		0.00100		0.00100	0.00100	0.00100	
15	08/11/16		0.00100				0.00100	
16	11/10/16	0.00100	0.00100		0.00100	0.00100	0.00100	
17	02/15/17		0.00200				0.00200	
18	05/08/17		0.00200		0.00200	0.00200	0.00200	
19	08/16/17		0.00216				0.00291	
20	11/01/17	0.00200	0.00200		0.00200	0.00200	0.00289	
21	02/19/18		0.00200				0.00352	
22	05/02/18		0.00200		0.00623	0.00200	0.0100	
23	08/14/18		0.0100				0.0100	
24	11/14/18	0.00100	0.0100		0.0100	0.0100	0.0100	
25	02/11/19		0.01000				0.00101	
26	05/07/19		0.01000		0.00100	0.00100	0.00100	
27	08/19/19		0.01000				0.00100	
28	11/18/19	0.00100	0.01000		0.00100	0.00100	0.00100	
29	02/12/20		0.01000				0.00100	
30	06/04/20		0.00500		0.00500	0.00500	0.00500	
31	08/17/20		0.00127				0.00250	
32	11/18/20	0.00100	0.00125	0.00151	0.00100	0.00100	0.00710	
33	02/08/21		0.00234				0.00408	
34	05/18/21		0.00100		0.00100	0.00100	0.00228	
35	08/16/21		0.0175				0.00559	
36	11/29/21	0.00100	0.00100	0.00220	0.00100	0.00100	0.00100	
37	03/01/22	0.00100	0.00120	0.0237	0.00100	0.00100	0.00100	
38	06/07/22	0.00100	0.00100	0.00404	0.00100	0.00100	0.00100	
39	09/01/22	0.00100	0.00100	0.00109	0.00100	0.00100	0.00100	
40	11/03/22	0.00100	0.00100	0.00207	0.00100	0.00100	0.00100	
Coefficient of Variation:		0.27	1.19	1.49	1.18	1.19	0.98	
Mann-Kendall Statistic (S):		-3	67	0	9	9	22	
Confidence Factor:		55.4%	78.6%	40.8%	59.5%	59.5%	65.9%	
Concentration Trend:		Stable	No Trend	No Trend	No Trend	No Trend	No Trend	



Notes:

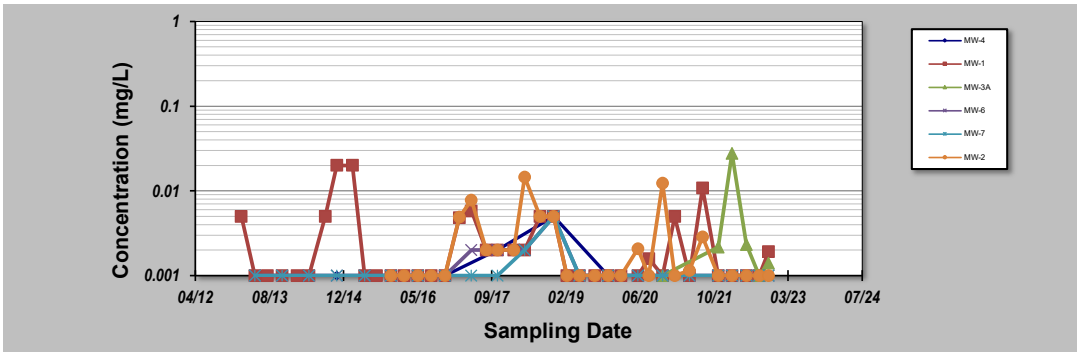
1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. 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.

TABLE 9

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 01/01/23
Facility Name: Monument 10
Conducted By: TRC
Job ID: NMOCD 1R-0119
Constituent: Ethylbenzene
Concentration Units: mg/L

Sampling Point ID:	MW-4	MW-1	MW-3A	MW-6	MW-7	MW-2	
Sampling Event	Sampling Date	ETHYLBENZENE CONCENTRATION (mg/L)						
1	02/05/13		0.005					
2	05/09/13		0.001		0.001	0.001		
3	08/01/13		0.001					
4	11/07/13	0.001	0.001		0.001	0.001		
5	02/17/14		0.00100					
6	05/07/14		0.00100		0.00100	0.00100		
7	08/26/14		0.00500					
8	11/12/14	0.00100	0.0200		0.00100	0.00100		
9	02/25/15		0.0200					
10	05/19/15		0.00100		0.00100	0.00100		
11	08/06/15		0.00100					
12	11/12/15	0.00100	0.00100		0.00100	0.00100	0.00100	
13	02/08/16		0.00100				0.00100	
14	05/12/16		0.00100		0.00100	0.00100	0.00100	
15	08/11/16		0.00100				0.00100	
16	11/10/16	0.00100	0.00100		0.00100	0.00100	0.00100	
17	02/15/17		0.00482				0.00490	
18	05/08/17		0.00578		0.00200	0.00100	0.00776	
19	08/16/17		0.00200				0.00200	
20	11/01/17	0.00200	0.00200		0.00200	0.00100	0.00200	
21	02/19/18		0.00200				0.00200	
22	05/02/18		0.00200		0.00200	0.00200	0.0146	
23	08/14/18		0.00500				0.00500	
24	11/14/18	0.00500	0.00500		0.00500	0.00500	0.00500	
25	02/11/19		0.00100				0.00100	
26	05/07/19		0.00100		0.00100	0.00100	0.00100	
27	08/19/19		0.00100				0.00100	
28	11/18/19	0.00100	0.00100		0.00100	0.00100	0.00100	
29	02/12/20		0.00100				0.00100	
30	06/04/20		0.00100		0.00100	0.00100	0.00208	
31	08/17/20		0.00158				0.00100	
32	11/18/20	0.00100	0.00100	0.00100	0.00100	0.00100	0.0123	
33	02/08/21		0.00497				0.00100	
34	05/18/21		0.00100		0.00100	0.00100	0.00115	
35	08/16/21		0.0108				0.00286	
36	11/29/21	0.00100	0.00100	0.00217	0.00100	0.00100	0.00100	
37	03/01/22	0.00100	0.00100	0.0278	0.00100	0.00100	0.00100	
38	06/07/22	0.00100	0.00100	0.00232	0.00100	0.00100	0.00100	
39	09/01/22	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	
40	11/03/22	0.00100	0.00191	0.00140	0.00100	0.00100	0.00100	
Coefficient of Variation:		0.81	1.46	1.80	0.68	0.71	1.26	
Mann-Kendall Statistic (S):		-5	-35	0	-5	1	-36	
Confidence Factor:		59.4%	65.3%	39.3%	54.4%	50.0%	74.3%	
Concentration Trend:		Stable	No Trend	No Trend	Stable	No Trend	No Trend	



Notes:

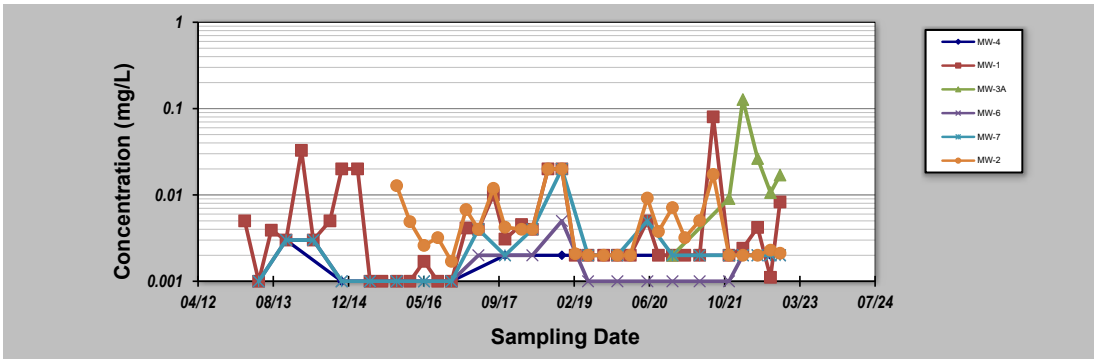
1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. 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.

TABLE 10

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 01/01/23
Facility Name: Monument 10
Conducted By: TRC
Job ID: NMOCD 1R-0119
Constituent: Xylene
Concentration Units: mg/L

Sampling Point ID:	MW-4	MW-1	MW-3A	MW-6	MW-7	MW-2	
Sampling Event	Sampling Date	XYLENE CONCENTRATION (mg/L)						
1	02/05/13		0.005					
2	05/09/13		0.001		0.001	0.001		
3	08/01/13		0.0039					
4	11/07/13	0.00300	0.00300		0.0030	0.00300		
5	02/17/14		0.0328					
6	05/07/14		0.00300		0.00300	0.00300		
7	08/26/14		0.00500					
8	11/12/14	0.00100	0.0200		0.00100	0.00100		
9	02/25/15		0.0200					
10	05/19/15		0.00100		0.00100	0.00100		
11	08/06/15		0.00100					
12	11/12/15	0.00100	0.00100		0.00100	0.00100	0.0128	
13	02/08/16		0.00100				0.00490	
14	05/12/16		0.00170		0.00100	0.00100	0.00260	
15	08/11/16		0.00100				0.00320	
16	11/10/16	0.00100	0.00100		0.00100	0.00100	0.00170	
17	02/15/17		0.00414				0.00677	
18	05/08/17		0.00400		0.00200	0.00400	0.00400	
19	08/16/17		0.01001				0.01192	
20	11/01/17	0.002	0.00308		0.00200	0.002	0.00423	
21	02/19/18		0.00454				0.00400	
22	05/02/18		0.00400		0.00200	0.00400	0.00400	
23	08/14/18		0.0200				0.0200	
24	11/14/18	0.002	0.0200		0.00500	0.0200	0.0200	
25	02/11/19		0.00200				0.00208	
26	05/07/19		0.00200		0.00100	0.00200	0.00200	
27	08/19/19		0.00200				0.00200	
28	11/18/19	0.00200	0.00200		0.00100	0.00200	0.00200	
29	02/12/20		0.00200				0.00200	
30	06/04/20		0.00500		0.00100	0.00500	0.00920	
31	08/17/20		0.00200				0.00377	
32	11/18/20	0.00200	0.00200	0.00200	0.00100	0.00200	0.00713	
33	02/08/21		0.00200				0.00320	
34	05/18/21		0.00200		0.00100	0.00200	0.00504	
35	08/16/21		0.0802				0.01726	
36	11/29/21	0.00200	0.00200	0.00908	0.00100	0.00200	0.00200	
37	03/01/22	0.00200	0.00241	0.1273	0.00200	0.00200	0.00200	
38	06/07/22	0.00200	0.00420	0.02642	0.00200	0.00200	0.00200	
39	09/01/22	0.00200	0.00111	0.01064	0.00200	0.00200	0.00229	
40	11/03/22	0.00200	0.00828	0.01699	0.00200	0.00200	0.00211	
Coefficient of Variation:		0.31	1.92	1.49	0.61	1.35	0.94	
Mann-Kendall Statistic (S):		13	-14	4	6	37	-66	
Confidence Factor:		79.0%	56.2%	75.8%	55.9%	86.0%	89.9%	
Concentration Trend:		No Trend	No Trend	No Trend	No Trend	No Trend	Stable	



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. 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.

TABLE 11

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	01/01/23	Job ID:	NMOCD 1R-0119
Facility Name:	Monument 10	Constituent:	Total Organic Carbon (TOC)
Conducted By:	TRC	Concentration Units:	mg/L

Sampling Point ID:	MW-4	MW-1	MW-3A	MW-6	MW-7	MW-2
Sampling Event	Sampling Date	TOTAL ORGANIC CARBON (TOC) CONCENTRATION (mg/L)					
1	11/29/21	4.79	25.7	8.02	8.36	4.64	1.59
2	03/01/22	10.0	10.0	10.0	10.0	10.0	10.0
3	06/07/22	4.63	22.8	6.94	5.30	5.29	2.52
4	09/01/22	10.0	10.0	10.0	10.0	10.0	10.0
5	11/03/22	5.20	17.6	7.60	5.79	5.08	2.39
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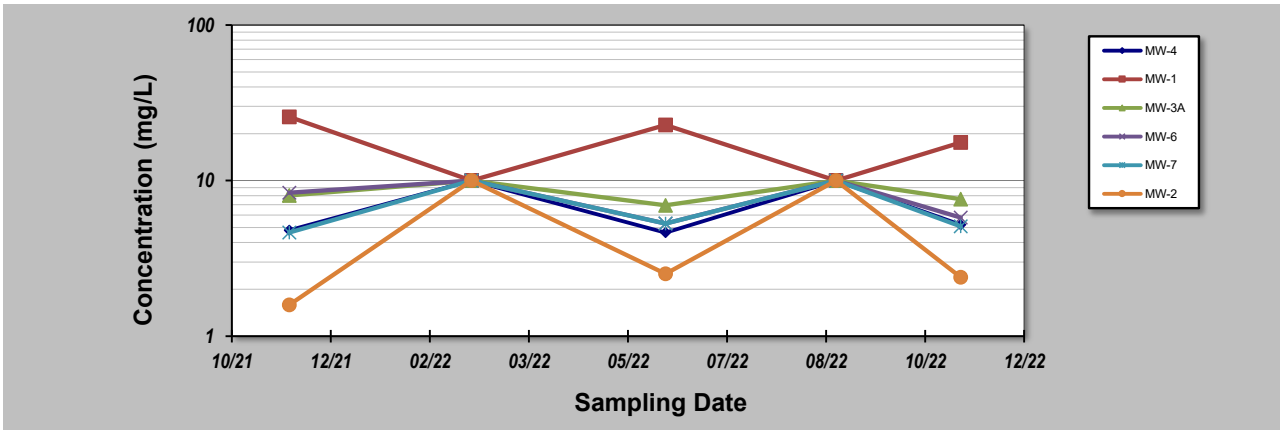
Coefficient of Variation:		0.41	0.42	0.17	0.29	0.39	0.81
Mann-Kendall Statistic (S):		1	-3	-1	-1	1	1
Confidence Factor:		50.0%	67.5%	50.0%	50.0%	50.0%	50.0%
Concentration Trend:		No Trend	Stable	Stable	Stable	No Trend	No Trend



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. 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.

TABLE 12

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	01/01/23	Job ID:	NMOCD 1R-0119
Facility Name:	Monument 10	Constituent:	Dissolved Methane
Conducted By:	TRC	Concentration Units:	mg/L

Sampling Point ID:	MW-4	MW-1	MW-3A	MW-6	MW-7	MW-2
Sampling Event	Sampling Date	DISSOLVED METHANE CONCENTRATION (mg/L)					
1	11/29/21	0.00157	0.348	0.343	0.00207	0.00135	0.102
2	03/01/22	0.00263	0.183	0.492	0.00411	0.00343	0.0908
3	06/07/22	0.00164	0.118	0.474	0.00236	0.00256	0.0727
4	09/01/22	0.000629	0.167	0.492	0.00147	0.00129	0.0849
5	11/03/22	0.00112	0.169	0.957	0.00164	0.00322	0.152
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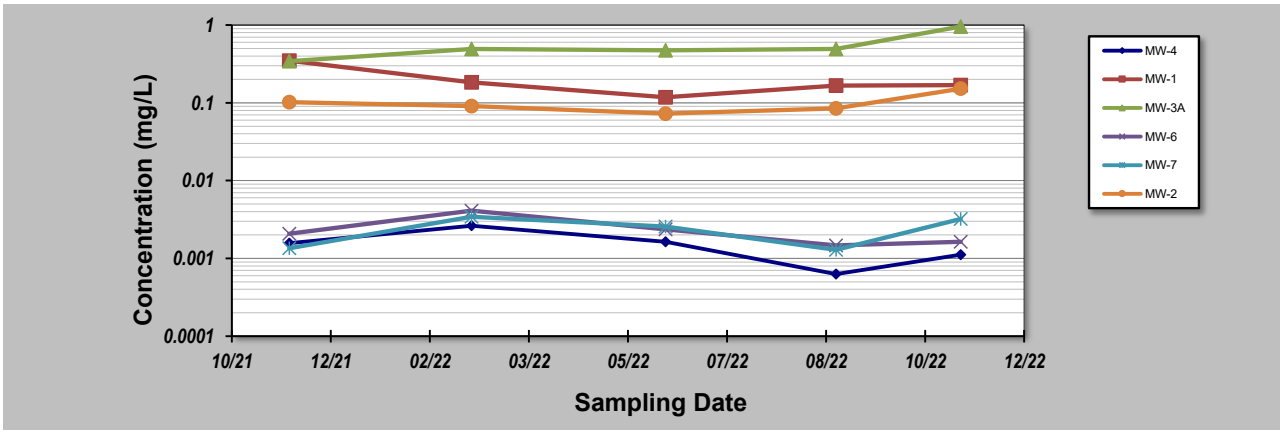
Coefficient of Variation:		0.49	0.45	0.43	0.45	0.43	0.31
Mann-Kendall Statistic (S):		-4	-4	7	-4	0	0
Confidence Factor:		75.8%	75.8%	92.1%	75.8%	40.8%	40.8%
Concentration Trend:		Stable	Stable	Prob. Increasing	Stable	Stable	Stable



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. 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.

TABLE 13

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	01/01/23	Job ID:	NMOCD 1R-0119
Facility Name:	Monument 10	Constituent:	Dissolved ethane
Conducted By:	TRC	Concentration Units:	mg/L

Sampling Point ID:	MW-4	MW-1	MW-3A	MW-6	MW-7	MW-2
Sampling Event	Sampling Date	DISSOLVED ETHANE CONCENTRATION (mg/L)					
1	11/29/21	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100
2	03/01/22	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100
3	06/07/22	0.00134	0.00100	0.00175	0.00100	0.00100	0.00100
4	09/01/22	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100
5	11/03/22	0.00100	0.00100	0.00162	0.00100	0.00100	0.00100
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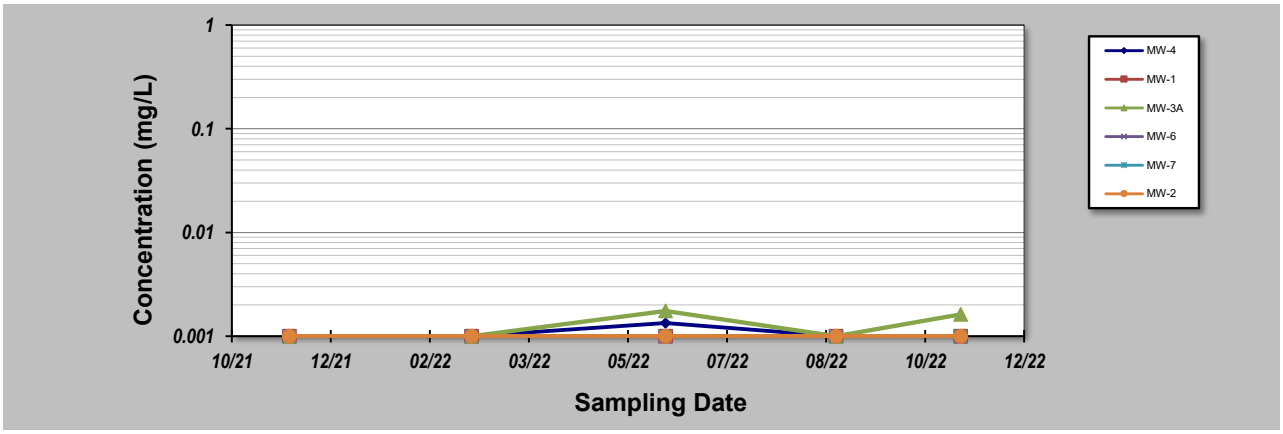
Coefficient of Variation:		0.14	0.00	0.30	0.00	0.00	0.00
Mann-Kendall Statistic (S):		0	0	3	0	0	0
Confidence Factor:		40.8%	40.8%	67.5%	40.8%	40.8%	40.8%
Concentration Trend:		Stable	Stable	No Trend	Stable	Stable	Stable



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. 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.

TABLE 14

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	01/01/23	Job ID:	NMOCD 1R-0119
Facility Name:	Monument 10	Constituent:	Dissolved Ethene
Conducted By:	TRC	Concentration Units:	mg/L

Sampling Point ID:	MW-4	MW-1	MW-3A	MW-6	MW-7	MW-2
Sampling Event	Sampling Date	DISSOLVED ETHENE CONCENTRATION (mg/L)					
1	11/29/21	0.00100	0.00377	0.00334	0.00187	0.00219	0.00111
2	03/01/22	0.00100	0.00100	0.00376	0.00148	0.00100	0.00100
3	06/07/22	0.00100	0.00206	0.00763	0.00184	0.00163	0.00184
4	09/01/22	0.00100	0.00232	0.00421	0.00100	0.00137	0.00100
5	11/03/22	0.00122	0.00100	0.00426	0.00114	0.00100	0.00100
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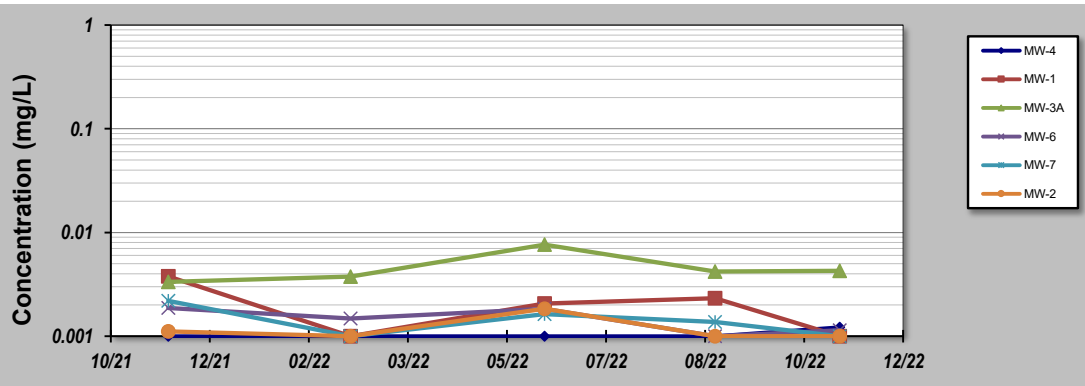
Coefficient of Variation:		0.09	0.56	0.37	0.27	0.35	0.31
Mann-Kendall Statistic (S):		4	-3	6	-6	-5	-3
Confidence Factor:		75.8%	67.5%	88.3%	88.3%	82.1%	67.5%
Concentration Trend:		No Trend	Stable	No Trend	Stable	Stable	Stable



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. 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.

TABLE 15

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	01/01/23	Job ID:	NMOCD 1R-0119
Facility Name:	Monument 10	Constituent:	Dissolved Iron (filtered)
Conducted By:	TRC	Concentration Units:	mg/L

Sampling Point ID:	MW-4	MW-1	MW-3A	MW-6	MW-7	MW-2
Sampling Event	Sampling Date	DISSOLVED IRON (FILTERED) CONCENTRATION (mg/L)					
1	11/29/21	0.0200	0.472	2.91	0.0276	0.0201	0.0247
2	03/01/22	0.0200	0.404	2.52	0.0200	0.0200	0.0200
3	06/07/22	0.200	0.478	1.04	0.200	0.200	0.200
4	09/01/22	0.200	0.299	1.65	0.328	0.233	0.200
5	11/03/22	0.200	0.200	1.05	0.200	0.200	0.200
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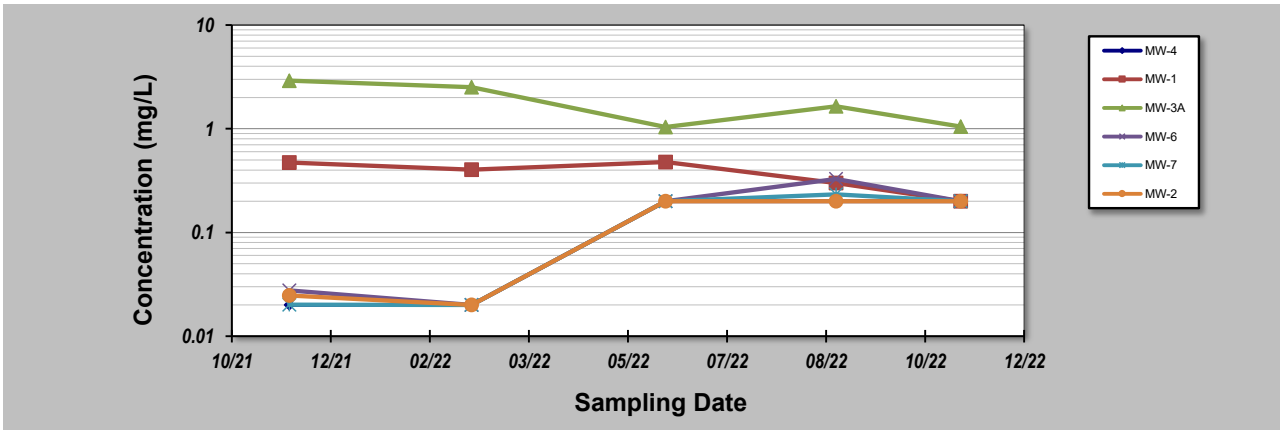
Coefficient of Variation:		0.77	0.32	0.46	0.84	0.78	0.75
Mann-Kendall Statistic (S):		6	-6	-6	5	5	5
Confidence Factor:		88.3%	88.3%	88.3%	82.1%	82.1%	82.1%
Concentration Trend:		No Trend	Stable	Stable	No Trend	No Trend	No Trend



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. 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.

TABLE 16

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	01/01/23	Job ID:	NMOCD 1R-0119
Facility Name:	Monument 10	Constituent:	Dissolved Manganese (filtered)
Conducted By:	TRC	Concentration Units:	mg/L

Sampling Point ID:	MW-4	MW-1	MW-3A	MW-6	MW-7	MW-2
Sampling Event	Sampling Date	DISSOLVED MANGANESE (FILTERED) CONCENTRATION (mg/L)					
1	11/29/21	0.0379	1.56	2.70	0.0730	0.0903	0.132
2	03/01/22	0.382	1.49	1.93	0.190	0.0813	0.0653
3	06/07/22	0.588	1.75	2.22	0.152	0.111	0.0854
4	09/01/22	0.209	1.51	1.85	0.294	0.187	0.204
5	11/03/22	0.418	1.47	1.59	0.193	0.126	0.104
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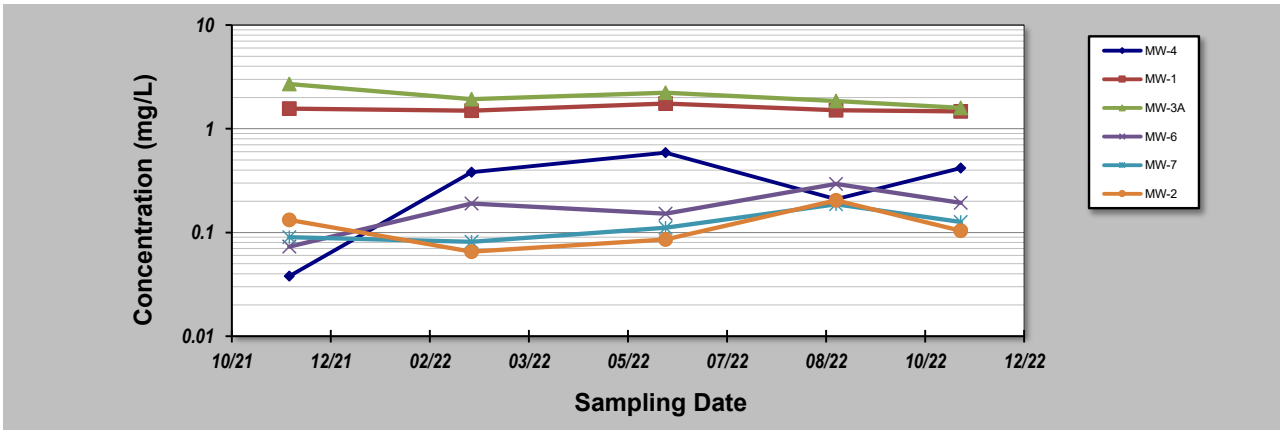
Coefficient of Variation:		0.64	0.07	0.21	0.44	0.35	0.46
Mann-Kendall Statistic (S):		4	-4	-8	6	6	2
Confidence Factor:		75.8%	75.8%	95.8%	88.3%	88.3%	59.2%
Concentration Trend:		No Trend	Stable	Decreasing	No Trend	No Trend	No Trend



Notes:

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TABLE 17

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	01/01/23	Job ID:	NMOCD 1R-0119
Facility Name:	Monument 10	Constituent:	Nitrate
Conducted By:	TRC	Concentration Units:	mg/L

Sampling Point ID:	MW-4	MW-1	MW-3A	MW-6	MW-7	MW-2
Sampling Event	Sampling Date	NITRATE CONCENTRATION (mg/L)					
1	11/29/21	1.99	0.200	0.200	0.200	0.595	0.874
2	03/01/22	1.97	0.200	0.433	0.525	1.49	1.51
3	06/07/22	2.00	0.200	0.400	0.417	0.798	1.70
4	09/01/22	2.05	0.200	0.200	0.700	0.778	1.22
5	11/03/22	2.20	0.200	0.200	0.658	0.732	0.758
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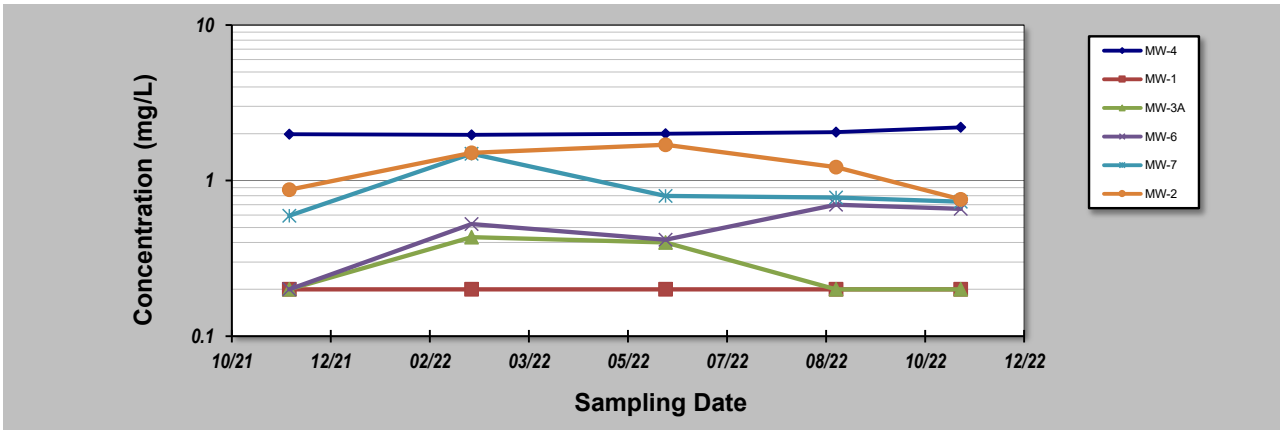
Coefficient of Variation:		0.05	0.00	0.42	0.40	0.40	0.33
Mann-Kendall Statistic (S):		8	0	-3	6	-2	-2
Confidence Factor:		95.8%	40.8%	67.5%	88.3%	59.2%	59.2%
Concentration Trend:		Increasing	Stable	Stable	No Trend	Stable	Stable



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
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TABLE 18

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	01/01/23	Job ID:	NMOCD 1R-0119
Facility Name:	Monument 10	Constituent:	Sulfate
Conducted By:	TRC	Concentration Units:	mg/L

Sampling Point ID:	MW-4	MW-1	MW-3A	MW-6	MW-7	MW-2
Sampling Event	Sampling Date	SULFATE CONCENTRATION (mg/L)					
1	11/29/21	90.2	3.78	1.00	22.2	51.6	43.4
2	03/01/22	76.3	16.9	19.9	26.5	53.5	43.7
3	06/07/22	73.2	23.3	1.47	25.4	51.0	45.6
4	09/01/22	75.2	9.12	2.19	28.4	50.5	40.1
5	11/03/22	85.9	13.8	1.18	30.7	53.1	41.0
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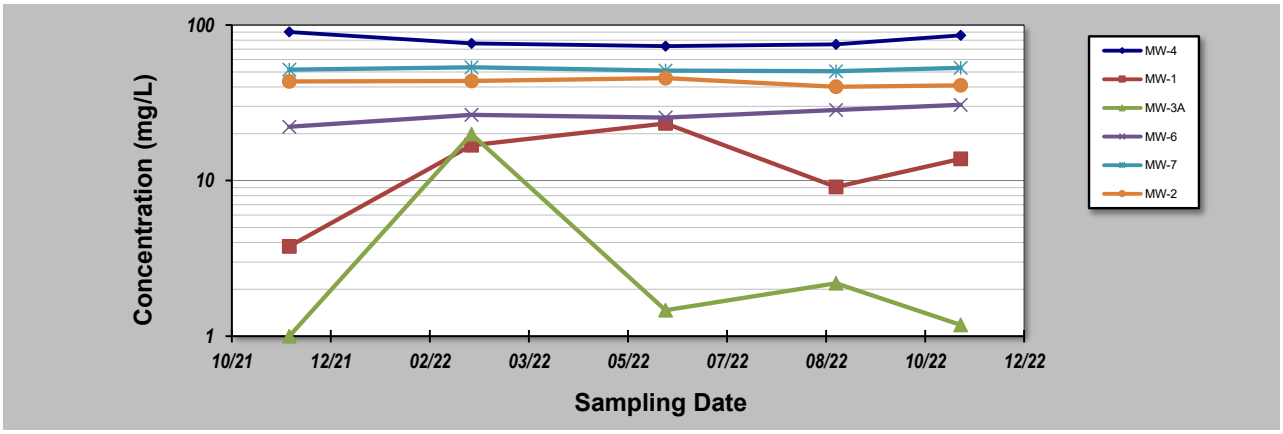
Coefficient of Variation:		0.09	0.56	1.60	0.12	0.03	0.05
Mann-Kendall Statistic (S):		-2	2	0	8	-2	-2
Confidence Factor:		59.2%	59.2%	40.8%	95.8%	59.2%	59.2%
Concentration Trend:		Stable	No Trend	No Trend	Increasing	Stable	Stable



Notes:

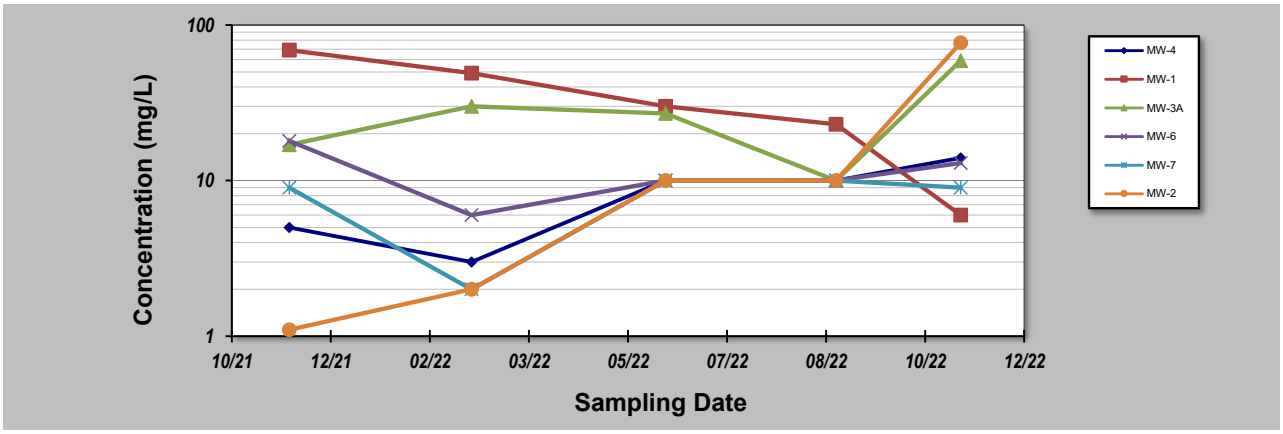
1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. 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.

TABLE 19

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	01/01/23	Job ID:	NMOCD 1R-0119
Facility Name:	Monument 10	Constituent:	Chemical Oxygen Demand (COD)
Conducted By:	TRC	Concentration Units:	mg/L

Sampling Point ID:	MW-4	MW-1	MW-3A	MW-6	MW-7	MW-2
Sampling Event	Sampling Date	CHEMICAL OXYGEN DEMAND (COD) CONCENTRATION (mg/L)					
1	11/29/21	5.00	69.0	17.0	18.0	9.00	1.10
2	03/01/22	3.00	49.0	30.0	6.00	2.00	2.00
3	06/07/22	10.0	30.0	27.0	10.0	10.0	10.0
4	09/01/22	10.0	23.0	10.0	10.0	10.0	10.0
5	11/03/22	14.0	6.0	59.0	13.0	9.0	77.0
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
Coefficient of Variation:		0.52	0.69	0.66	0.39	0.42	1.61
Mann-Kendall Statistic (S):		7	-10	2	1	2	9
Confidence Factor:		92.1%	99.2%	59.2%	50.0%	59.2%	97.5%
Concentration Trend:		Prob. Increasing	Decreasing	No Trend	No Trend	No Trend	Increasing



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. 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.

APPENDICES

APPENDIX A:
2022 Laboratory Analytical Reports

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

PBELAB

Analytical Report

Prepared for:

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

Project: Monument 10_MNA
Project Number: TNM Monument-10
Location: Lea County, NM

Lab Order Number: 2C02001

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 03/15/22

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	Project Manager: Curt Stanley

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-4	2C02001-01	Water	03/01/22 14:06	03-02-2022 09:14
MW-6	2C02001-02	Water	03/01/22 14:54	03-02-2022 09:14
MW-7	2C02001-03	Water	03/01/22 15:35	03-02-2022 09:14
MW-2	2C02001-04	Water	03/01/22 16:55	03-02-2022 09:14
MW-1	2C02001-05	Water	03/01/22 17:39	03-02-2022 09:14
MW-3A	2C02001-06	Water	03/01/22 18:51	03-02-2022 09:14

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

MW-4

2C02001-01 (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	P2C1005	03/10/22 10:22	03/10/22 17:09	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2C1005	03/10/22 10:22	03/10/22 17:09	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2C1005	03/10/22 10:22	03/10/22 17:09	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2C1005	03/10/22 10:22	03/10/22 17:09	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2C1005	03/10/22 10:22	03/10/22 17:09	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*95.6 %*	*80-120*		*P2C1005*	*03/10/22 10:22*	*03/10/22 17:09*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.7 %*	*80-120*		*P2C1005*	*03/10/22 10:22*	*03/10/22 17:09*	*EPA 8021B*	
Methane	**0.00263**	0.000500	mg/L	1	P2C1104	03/10/22 09:34	03/10/22 09:34	8015M	SUB-13
Ethane	ND	0.00100	mg/L	1	P2C1104	03/10/22 09:34	03/10/22 09:34	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2C1104	03/10/22 09:34	03/10/22 09:34	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	**3.00**	2.00	mg/L	1	P2C1001	03/11/22 11:27	03/11/22 11:27	8000	QAL1
Nitrate as N	**1.97**	0.200	mg/L	1	P2C0202	03/02/22 10:40	03/02/22 12:38	EPA 300.0	
Sulfate	**76.3**	1.00	mg/L	1	P2C0202	03/02/22 10:40	03/02/22 12:38	EPA 300.0	
Total Organic Carbon	ND	10.0	mg/L	1	P2C1104	03/10/22 09:34	03/10/22 09:34	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 11:47	EPA 6010B	QAL1
Manganese	**0.382**	0.0200	mg/L	1	P2C0306	03/11/22 13:26	03/14/22 11:47	EPA 6010B	QAL1

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	Project Manager: Curt Stanley

MW-6

2C02001-02 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P2C1005	03/10/22 10:22	03/10/22 17:30	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2C1005	03/10/22 10:22	03/10/22 17:30	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2C1005	03/10/22 10:22	03/10/22 17:30	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2C1005	03/10/22 10:22	03/10/22 17:30	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2C1005	03/10/22 10:22	03/10/22 17:30	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*96.2 %*	*80-120*		*P2C1005*	*03/10/22 10:22*	*03/10/22 17:30*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.7 %*	*80-120*		*P2C1005*	*03/10/22 10:22*	*03/10/22 17:30*	*EPA 8021B*	
Methane	**0.00411**	0.000500	mg/L	1	P2C1104	03/10/22 09:50	03/10/22 09:50	8015M	SUB-13
Ethane	ND	0.00100	mg/L	1	P2C1104	03/10/22 09:50	03/10/22 09:50	8015M	SUB-13
Ethene	**0.00148**	0.00100	mg/L	1	P2C1104	03/10/22 09:50	03/10/22 09:50	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	**6.00**	2.00	mg/L	1	P2C1001	03/11/22 11:27	03/11/22 11:27	8000	QAL1
Nitrate as N	**0.525**	0.200	mg/L	1	P2C0202	03/02/22 10:40	03/02/22 13:35	EPA 300.0	
Sulfate	**26.5**	1.00	mg/L	1	P2C0202	03/02/22 10:40	03/02/22 13:35	EPA 300.0	
Total Organic Carbon	ND	10.0	mg/L	1	P2C1104	03/10/22 09:50	03/10/22 09:50	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 11:51	EPA 6010B	QAL1
Manganese	**0.190**	0.0200	mg/L	1	P2C0306	03/11/22 13:26	03/14/22 11:51	EPA 6010B	QAL1

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	Project Manager: Curt Stanley

MW-7

2C02001-03 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P2C1005	03/10/22 10:22	03/10/22 17:51	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2C1005	03/10/22 10:22	03/10/22 17:51	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2C1005	03/10/22 10:22	03/10/22 17:51	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2C1005	03/10/22 10:22	03/10/22 17:51	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2C1005	03/10/22 10:22	03/10/22 17:51	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*95.5 %*	*80-120*		*P2C1005*	*03/10/22 10:22*	*03/10/22 17:51*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.8 %*	*80-120*		*P2C1005*	*03/10/22 10:22*	*03/10/22 17:51*	*EPA 8021B*	
Methane	**0.00343**	0.000500	mg/L	1	P2C1104	03/10/22 09:58	03/10/22 09:58	8015M	SUB-13
Ethane	ND	0.00100	mg/L	1	P2C1104	03/10/22 09:58	03/10/22 09:58	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2C1104	03/10/22 09:58	03/10/22 09:58	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	**1.49**	0.200	mg/L	1	P2C0202	03/02/22 10:40	03/02/22 13:54	EPA 300.0	
Sulfate	**53.5**	1.00	mg/L	1	P2C0202	03/02/22 10:40	03/02/22 13:54	EPA 300.0	
Total Organic Carbon	ND	10.0	mg/L	1	P2C1104	03/10/22 09:58	03/10/22 09:58	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 11:55	EPA 6010B	QAL1
Manganese	**0.0813**	0.0200	mg/L	1	P2C0306	03/11/22 13:26	03/14/22 11:55	EPA 6010B	QAL1

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	Project Manager: Curt Stanley

MW-2

2C02001-04 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P2C1005	03/10/22 10:22	03/10/22 18:12	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2C1005	03/10/22 10:22	03/10/22 18:12	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2C1005	03/10/22 10:22	03/10/22 18:12	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2C1005	03/10/22 10:22	03/10/22 18:12	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2C1005	03/10/22 10:22	03/10/22 18:12	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*94.6 %*	*80-120*		*P2C1005*	*03/10/22 10:22*	*03/10/22 18:12*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.8 %*	*80-120*		*P2C1005*	*03/10/22 10:22*	*03/10/22 18:12*	*EPA 8021B*	
Methane	**0.0908**	0.00500	mg/L	1	P2C1104	03/10/22 10:07	03/10/22 10:07	8015M	SUB-13
Ethane	ND	0.00100	mg/L	1	P2C1104	03/10/22 10:07	03/10/22 10:07	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2C1104	03/10/22 10:07	03/10/22 10:07	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	**1.51**	0.200	mg/L	1	P2C0202	03/02/22 10:40	03/02/22 14:13	EPA 300.0	
Sulfate	**43.7**	1.00	mg/L	1	P2C0202	03/02/22 10:40	03/02/22 14:13	EPA 300.0	
Total Organic Carbon	ND	10.0	mg/L	1	P2C1104	03/10/22 10:07	03/10/22 10:07	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 11:59	EPA 6010B	QAL1
Manganese	**0.0653**	0.0200	mg/L	1	P2C0306	03/11/22 13:26	03/14/22 11:59	EPA 6010B	QAL1

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	Project Manager: Curt Stanley

MW-1

2C02001-05 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P2C1005	03/10/22 10:22	03/10/22 18:33	EPA 8021B	
Toluene	**0.00120**	0.00100	mg/L	1	P2C1005	03/10/22 10:22	03/10/22 18:33	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2C1005	03/10/22 10:22	03/10/22 18:33	EPA 8021B	
Xylene (p/m)	**0.00241**	0.00200	mg/L	1	P2C1005	03/10/22 10:22	03/10/22 18:33	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2C1005	03/10/22 10:22	03/10/22 18:33	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*96.7 %*	*80-120*		*P2C1005*	*03/10/22 10:22*	*03/10/22 18:33*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.3 %*	*80-120*		*P2C1005*	*03/10/22 10:22*	*03/10/22 18:33*	*EPA 8021B*	
Methane	**0.183**	0.00500	mg/L	1	P2C1104	03/10/22 10:20	03/10/22 10:20	8015M	SUB-13
Ethane	ND	0.00100	mg/L	1	P2C1104	03/10/22 10:20	03/10/22 10:20	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2C1104	03/10/22 10:20	03/10/22 10:20	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	**49.0**	2.00	mg/L	1	P2C1001	03/11/22 11:27	03/11/22 11:27	8000	QAL1
Nitrate as N	ND	0.200	mg/L	1	P2C0202	03/02/22 10:40	03/02/22 14:32	EPA 300.0	
Sulfate	**16.9**	1.00	mg/L	1	P2C0202	03/02/22 10:40	03/02/22 14:32	EPA 300.0	
Total Organic Carbon	ND	10.0	mg/L	1	P2C1104	03/10/22 22:57	03/10/22 22:57	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	**0.404**	0.0200	mg/L	1	P2C0306	03/11/22 13:26	03/14/22 12:03	EPA 6010B	QAL1
Manganese	**1.49**	0.0200	mg/L	1	P2C0306	03/11/22 13:26	03/14/22 12:03	EPA 6010B	QAL1

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	Project Manager: Curt Stanley

MW-3A

2C02001-06 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	**0.0126**	0.00100	mg/L	1	P2C1005	03/10/22 10:22	03/10/22 18:53	EPA 8021B	
Toluene	**0.0237**	0.00100	mg/L	1	P2C1005	03/10/22 10:22	03/10/22 18:53	EPA 8021B	
Ethylbenzene	**0.0278**	0.00100	mg/L	1	P2C1005	03/10/22 10:22	03/10/22 18:53	EPA 8021B	
Xylene (p/m)	**0.104**	0.00200	mg/L	1	P2C1005	03/10/22 10:22	03/10/22 18:53	EPA 8021B	
Xylene (o)	**0.0233**	0.00100	mg/L	1	P2C1005	03/10/22 10:22	03/10/22 18:53	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*119 %*	*80-120*		*P2C1005*	*03/10/22 10:22*	*03/10/22 18:53*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*80.5 %*	*80-120*		*P2C1005*	*03/10/22 10:22*	*03/10/22 18:53*	*EPA 8021B*	
Methane	**0.492**	0.0250	mg/L	1	P2C1104	03/10/22 10:30	03/10/22 10:30	8015M	SUB-13
Ethane	ND	0.00100	mg/L	1	P2C1104	03/10/22 10:30	03/10/22 10:30	8015M	SUB-13
Ethene	**0.00376**	0.00100	mg/L	1	P2C1104	03/10/22 10:30	03/10/22 10:30	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	**30.0**	2.00	mg/L	1	P2C1001	03/11/22 11:27	03/11/22 11:27	8000	QAL1
Nitrate as N	**0.433**	0.200	mg/L	1	P2C0202	03/02/22 10:40	03/02/22 14:51	EPA 300.0	
Sulfate	**19.9**	1.00	mg/L	1	P2C0202	03/02/22 10:40	03/02/22 14:51	EPA 300.0	
Total Organic Carbon	ND	10.0	mg/L	1	P2C1104	03/10/22 22:45	03/10/22 22:45	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	**2.52**	0.0200	mg/L	1	P2C0306	03/11/22 13:26	03/14/22 12:07	EPA 6010B	QAL1
Manganese	**1.93**	0.0200	mg/L	1	P2C0306	03/11/22 13:26	03/14/22 12:07	EPA 6010B	QAL1

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	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 P2C1005 - General Preparation (GC)										
Blank (P2C1005-BLK1)				Prepared & Analyzed: 03/10/22						
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*		*97.0*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		"	*0.120*		*95.7*	*80-120*			
LCS (P2C1005-BS1)				Prepared & Analyzed: 03/10/22						
Benzene	0.102	0.00100	mg/L	0.100		102	80-120			
Toluene	0.104	0.00100	"	0.100		104	80-120			
Ethylbenzene	0.115	0.00100	"	0.100		115	80-120			
Xylene (p/m)	0.220	0.00200	"	0.200		110	80-120			
Xylene (o)	0.0991	0.00100	"	0.100		99.1	80-120			
Surrogate: 4-Bromofluorobenzene	*0.119*		"	*0.120*		*99.5*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		"	*0.120*		*96.2*	*80-120*			
LCS Dup (P2C1005-BSD1)				Prepared & Analyzed: 03/10/22						
Benzene	0.103	0.00100	mg/L	0.100		103	80-120	0.673	20	
Toluene	0.105	0.00100	"	0.100		105	80-120	1.27	20	
Ethylbenzene	0.116	0.00100	"	0.100		116	80-120	0.873	20	
Xylene (p/m)	0.221	0.00200	"	0.200		110	80-120	0.209	20	
Xylene (o)	0.0994	0.00100	"	0.100		99.4	80-120	0.292	20	
Surrogate: 4-Bromofluorobenzene	*0.122*		"	*0.120*		*101*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		"	*0.120*		*97.2*	*80-120*			
Calibration Check (P2C1005-CCV1)				Prepared & Analyzed: 03/10/22						
Benzene	0.100	0.00100	mg/L	0.100		100	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.0998	0.00100	"	0.100		99.8	80-120			
Xylene (p/m)	0.208	0.00200	"	0.200		104	80-120			
Xylene (o)	0.0956	0.00100	"	0.100		95.6	80-120			
Surrogate: 4-Bromofluorobenzene	*0.117*		"	*0.120*		*97.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		"	*0.120*		*97.3*	*80-120*			

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	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 P2C1005 - General Preparation (GC)										
Calibration Check (P2C1005-CCV2)				Prepared & Analyzed: 03/10/22						
Benzene	0.105	0.00100	mg/L	0.100		105	80-120			
Toluene	0.105	0.00100	"	0.100		105	80-120			
Ethylbenzene	0.101	0.00100	"	0.100		101	80-120			
Xylene (p/m)	0.212	0.00200	"	0.200		106	80-120			
Xylene (o)	0.0988	0.00100	"	0.100		98.8	80-120			
Surrogate: 4-Bromofluorobenzene	*0.112*		*"*	*0.120*		*93.3*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*96.2*	*80-120*			
Calibration Check (P2C1005-CCV3)				Prepared: 03/10/22 Analyzed: 03/11/22						
Benzene	0.117	0.00100	mg/L	0.100		117	80-120			
Toluene	0.119	0.00100	"	0.100		119	80-120			
Ethylbenzene	0.117	0.00100	"	0.100		117	80-120			
Xylene (p/m)	0.240	0.00200	"	0.200		120	80-120			
Xylene (o)	0.115	0.00100	"	0.100		115	80-120			
Surrogate: 4-Bromofluorobenzene	*0.108*		*"*	*0.120*		*90.3*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*95.6*	*80-120*			
Matrix Spike (P2C1005-MS1)		**Source: 2C02001-01**		Prepared: 03/10/22 Analyzed: 03/11/22						
Benzene	0.127	0.00100	mg/L	0.100	ND	127	80-120			QM-07
Toluene	0.128	0.00100	"	0.100	ND	128	80-120			QM-07
Ethylbenzene	0.139	0.00100	"	0.100	ND	139	80-120			QM-07
Xylene (p/m)	0.265	0.00200	"	0.200	ND	132	80-120			QM-07
Xylene (o)	0.119	0.00100	"	0.100	ND	119	80-120			
Surrogate: 4-Bromofluorobenzene	*0.113*		*"*	*0.120*		*94.3*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.4*	*80-120*			
Matrix Spike Dup (P2C1005-MSD1)		**Source: 2C02001-01**		Prepared: 03/10/22 Analyzed: 03/11/22						
Benzene	0.133	0.00100	mg/L	0.100	ND	133	80-120	4.05	20	QM-07
Toluene	0.131	0.00100	"	0.100	ND	131	80-120	2.25	20	QM-07
Ethylbenzene	0.144	0.00100	"	0.100	ND	144	80-120	3.22	20	QM-07
Xylene (p/m)	0.275	0.00200	"	0.200	ND	138	80-120	3.71	20	QM-07
Xylene (o)	0.126	0.00100	"	0.100	ND	126	80-120	5.59	20	QM-07
Surrogate: 4-Bromofluorobenzene	*0.112*		*"*	*0.120*		*93.3*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.3*	*80-120*			

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	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 P2C0202 - * DEFAULT PREP *** **										
Blank (P2C0202-BLK1)				Prepared & Analyzed: 03/02/22						
Sulfate	ND	1.00	mg/L							
Nitrate as N	ND	0.200	"							
LCS (P2C0202-BS1)				Prepared & Analyzed: 03/02/22						
Sulfate	41.3	1.00	mg/L	40.0		103	90-110			
Nitrate as N	3.84	0.200	"	4.00		96.1	90-110			
LCS Dup (P2C0202-BSD1)				Prepared & Analyzed: 03/02/22						
Nitrate as N	3.84	0.200	mg/L	4.00		96.0	90-110	0.104	10	
Sulfate	41.3	1.00	"	40.0		103	90-110	0.0145	10	
Calibration Blank (P2C0202-CCB1)				Prepared & Analyzed: 03/02/22						
Nitrate as N	0.00		mg/L							
Sulfate	0.00		"							
Calibration Check (P2C0202-CCV1)				Prepared & Analyzed: 03/02/22						
Nitrate as N	1.89		mg/L	2.00		94.4	90-110			
Sulfate	20.3		"	20.0		102	90-110			
Calibration Check (P2C0202-CCV2)				Prepared & Analyzed: 03/02/22						
Nitrate as N	1.94		mg/L	2.00		97.0	90-110			
Sulfate	20.7		"	20.0		104	90-110			
Matrix Spike (P2C0202-MS1)	**Source: 2C02001-01**			Prepared & Analyzed: 03/02/22						
Sulfate	78.1	1.00	mg/L	2.00	76.3	91.4	80-120			
Nitrate as N	2.22	0.200	"	0.200	1.97	125	80-120			QM-05
Matrix Spike Dup (P2C0202-MSD1)	**Source: 2C02001-01**			Prepared & Analyzed: 03/02/22						
Nitrate as N	2.16	0.200	mg/L	0.200	1.97	97.0	80-120	2.56	20	
Sulfate	79.2	1.00	"	2.00	76.3	149	80-120	1.47	20	QM-05

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	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

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	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

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	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						
Iron	ND	0.0200	mg/L							QAL1
Manganese	ND	0.0200	"							QAL1
LCS (P2C0306-BS1)				Prepared: 03/11/22 Analyzed: 03/14/22						
Manganese	0.214	0.0200	mg/L	0.200		107	80-120			QAL1
Iron	0.391	0.0200	"	0.400		97.8	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						
Iron	-0.0157		mg/L							QAL1
Manganese	-0.000190		"							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						
Iron	0.399	0.0200	mg/L	0.400		99.7	80-120			QAL1
Manganese	0.227	0.0200	"	0.200		114	80-120			QAL1

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	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						
Manganese	0.227	0.0200	mg/L	0.200		113	80-120			QAL1
Iron	0.397	0.0200	"	0.400		99.4	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						
Iron	0.424	0.0200	mg/L	0.400	ND	106	80-120	1.08	20	QAL1
Manganese	0.612	0.0200	"	0.200	0.382	115	80-120	0.320	20	QAL1

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	Project Manager: Curt Stanley

Notes and Definitions

SUB-13	Subcontract of analyte/analysis to ALS Houston.
ROI	Received on Ice
R2	The RPD exceeded the acceptance limit.
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
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: Brent Barron Date: 3/15/2022

Brent Barron, Laboratory Director/Technical Director

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	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.

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
10014 S. County Road 1213
Midland, Texas 79706
Phone: 432-661-4184

Project Manager: Curt Stanley
Company Name: TRC Environmental Corporation
Company Address: 10 Desta Drive, Ste 130E
City/State/Zip: Midland/TX/79703
Telephone No: (432)5207720 Fax No:
Sampler Signature:

Project Name: Monument 10
Project #: TNM Monument 10
Project Loc: Lea County, New Mexico
PO #:
Report Format: [X] Standard [ ] TRRP [ ] NPDES
e-mail: cdstanley@trccompanies.com
cjbryant@paalp.com

(lab use only)
ORDER #: 2C02001

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: TOTAL: TOC SM 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	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
-01	MW-4			3-1-22	1406	1	12	X	X	X	X					GW	X	X	X	X	X	X		X
-02	MW-6				1454	1	12	X	X	X	X					GW	X	X	X	X	X	X		X
-03	MW-7				1535	1	12	X	X	X	X					GW	X	X	X	X	X	X		X
-04	MW-2				1695	1	12	X	X	X	X					GW	X	X	X	X	X	X		X
-05	MW-1				1739	1	12	X	X	X	X					GW	X	X	X	X	X	X		X
-06	MW-3A				1851	1	12	X	X	X	X					GW	X	X	X	X	X	X		X

Special Instructions:
BILL TO PLAINS

Relinquished by:	Date	Time	Received by:	Date	Time
Manny	3-2-22	8:55			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	Date	Time
			Dina Bedia	3/2/22	8:55

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: 1.5 °C
Adjusted: 2.5 °C Factor CF +1

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

March 10, 2022

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

Work Order: **HS22030236**

Laboratory Results for: **2C02001**

Dear Brent Barron,

ALS Environmental received 6 sample(s) on Mar 04, 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,

Bernadette Fini

Generated By: JUMOKE.LAWAL
Bernadette A. Fini
Project Manager

ALS Houston, US Date: 10-Mar-22

Client: Permian Basin Environmental Lab, LP
Project: 2C02001
Work Order: HS22030236

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS22030236-01	2C02001-01	Water		01-Mar-2022 14:06	04-Mar-2022 09:30	☐
HS22030236-02	2C02001-02	Water		01-Mar-2022 14:54	04-Mar-2022 09:30	☐
HS22030236-03	2C02001-03	Water		01-Mar-2022 15:35	04-Mar-2022 09:30	☐
HS22030236-04	2C02001-04	Water		01-Mar-2022 16:55	04-Mar-2022 09:30	☐
HS22030236-05	2C02001-05	Water		01-Mar-2022 17:39	04-Mar-2022 09:30	☐
HS22030236-06	2C02001-06	Water		01-Mar-2022 18:51	04-Mar-2022 09:30	☐

ALS Houston, US Date: 10-Mar-22

Client: Permian Basin Environmental Lab, LP **CASE NARRATIVE**
Project: 2C02001
Work Order: HS22030236

GC Semivolatiles by Method RSK-175

Batch ID: R403896

Sample ID: HS22030413-02DUP

• DUP is for an unrelated sample

WetChemistry by Method E415.1

Batch ID: R403789

Sample ID: 2C02001-06 (HS22030236-06)

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

Batch ID: R403594

Sample ID: 2C02001-01 (HS22030236-01)

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

Sample ID: 2C02001-02 (HS22030236-02)

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

Sample ID: 2C02001-03 (HS22030236-03)

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

Sample ID: 2C02001-04 (HS22030236-04)

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

Sample ID: 2C02001-05 (HS22030236-05)

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

ALS Houston, US Date: 10-Mar-22

Client: Permian Basin Environmental Lab, LP
Project: 2C02001
Sample ID: 2C02001-01
Collection Date: 01-Mar-2022 14:06

ANALYTICAL REPORT
WorkOrder:HS22030236
Lab ID:HS22030236-01
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	10-Mar-2022 09:34
Ethene	ND		1.00	ug/L	1	10-Mar-2022 09:34
Methane	**2.63**		**0.500**	**ug/L**	1	10-Mar-2022 09:34
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: JAC
Organic Carbon, Total	ND		10.0	mg/L	10	04-Mar-2022 22:07

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

ALS Houston, US Date: 10-Mar-22

Client: Permian Basin Environmental Lab, LP
Project: 2C02001
Sample ID: 2C02001-02
Collection Date: 01-Mar-2022 14:54

ANALYTICAL REPORT
WorkOrder:HS22030236
Lab ID:HS22030236-02
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	10-Mar-2022 09:50
Ethene	**1.48**		**1.00**	**ug/L**	1	10-Mar-2022 09:50
Methane	**4.11**		**0.500**	**ug/L**	1	10-Mar-2022 09:50
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: JAC
Organic Carbon, Total	ND		10.0	mg/L	10	04-Mar-2022 22:20

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

ALS Houston, US Date: 10-Mar-22

Client: Permian Basin Environmental Lab, LP
Project: 2C02001
Sample ID: 2C02001-03
Collection Date: 01-Mar-2022 15:35

ANALYTICAL REPORT
WorkOrder:HS22030236
Lab ID:HS22030236-03
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	10-Mar-2022 09:58
Ethene	ND		1.00	ug/L	1	10-Mar-2022 09:58
Methane	**3.43**		**0.500**	**ug/L**	1	10-Mar-2022 09:58
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: JAC
Organic Carbon, Total	ND		10.0	mg/L	10	04-Mar-2022 22:32

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

ALS Houston, US Date: 10-Mar-22

Client: Permian Basin Environmental Lab, LP
Project: 2C02001
Sample ID: 2C02001-04
Collection Date: 01-Mar-2022 16:55

ANALYTICAL REPORT
WorkOrder:HS22030236
Lab ID:HS22030236-04
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	10-Mar-2022 10:07
Ethene	ND		1.00	ug/L	1	10-Mar-2022 10:07
Methane	**90.8**		**5.00**	**ug/L**	10	10-Mar-2022 11:50
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: JAC
Organic Carbon, Total	ND		10.0	mg/L	10	04-Mar-2022 22:44

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

ALS Houston, US Date: 10-Mar-22

Client: Permian Basin Environmental Lab, LP
Project: 2C02001
Sample ID: 2C02001-05
Collection Date: 01-Mar-2022 17:39

ANALYTICAL REPORT
WorkOrder:HS22030236
Lab ID:HS22030236-05
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	10-Mar-2022 10:20
Ethene	ND		1.00	ug/L	1	10-Mar-2022 10:20
Methane	**183**		**5.00**	**ug/L**	10	10-Mar-2022 12:00
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: JAC
Organic Carbon, Total	ND		10.0	mg/L	10	04-Mar-2022 22:57

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

ALS Houston, US Date: 10-Mar-22

Client: Permian Basin Environmental Lab, LP
Project: 2C02001
Sample ID: 2C02001-06
Collection Date: 01-Mar-2022 18:51

ANALYTICAL REPORT
WorkOrder:HS22030236
Lab ID:HS22030236-06
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	10-Mar-2022 10:30
Ethene	**3.76**		**1.00**	**ug/L**	1	10-Mar-2022 10:30
Methane	**492**		**25.0**	**ug/L**	50	10-Mar-2022 12:11
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: JAC
Organic Carbon, Total	ND		10.0	mg/L	10	08-Mar-2022 22:45

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

ALS Houston, US Date: 10-Mar-22

Client: Permian Basin Environmental Lab, LP
Project: 2C02001
WorkOrder: HS22030236

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R403594 (0)	**Test Name :** TOTAL ORGANIC CARBON BY E415.1				**Matrix:** Water	
HS22030236-01	2C02001-01	01 Mar 2022 14:06			04 Mar 2022 22:07	10
HS22030236-02	2C02001-02	01 Mar 2022 14:54			04 Mar 2022 22:20	10
HS22030236-03	2C02001-03	01 Mar 2022 15:35			04 Mar 2022 22:32	10
HS22030236-04	2C02001-04	01 Mar 2022 16:55			04 Mar 2022 22:44	10
HS22030236-05	2C02001-05	01 Mar 2022 17:39			04 Mar 2022 22:57	10
Batch ID: R403789 (0)	**Test Name :** TOTAL ORGANIC CARBON BY E415.1				**Matrix:** Water	
HS22030236-06	2C02001-06	01 Mar 2022 18:51			08 Mar 2022 22:45	10
Batch ID: R403896 (0)	**Test Name :** DISSOLVED GASES BY RSK-175				**Matrix:** Water	
HS22030236-01	2C02001-01	01 Mar 2022 14:06			10 Mar 2022 09:34	1
HS22030236-02	2C02001-02	01 Mar 2022 14:54			10 Mar 2022 09:50	1
HS22030236-03	2C02001-03	01 Mar 2022 15:35			10 Mar 2022 09:58	1
HS22030236-04	2C02001-04	01 Mar 2022 16:55			10 Mar 2022 11:50	10
HS22030236-04	2C02001-04	01 Mar 2022 16:55			10 Mar 2022 10:07	1
HS22030236-05	2C02001-05	01 Mar 2022 17:39			10 Mar 2022 12:00	10
HS22030236-05	2C02001-05	01 Mar 2022 17:39			10 Mar 2022 10:20	1
HS22030236-06	2C02001-06	01 Mar 2022 18:51			10 Mar 2022 12:11	50
HS22030236-06	2C02001-06	01 Mar 2022 18:51			10 Mar 2022 10:30	1

ALS Houston, US Date: 10-Mar-22

Client: Permian Basin Environmental Lab, LP
Project: 2C02001
WorkOrder: HS22030236

QC BATCH REPORT

Batch ID: R403896 (0) **Instrument:** FID-4 **Method:** DISSOLVED GASES BY RSK-175

MBLK Sample ID: **MBLK-220310** Units: **ug/L** Analysis Date: **10-Mar-2022 09:06**
Client ID: Run ID: **FID-4_403896** SeqNo: **6539409** 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-220310** Units: **ug/L** Analysis Date: **10-Mar-2022 09:16**
Client ID: Run ID: **FID-4_403896** SeqNo: **6539410** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ethane	16.33	1.00	18.04	0	90.5	75 - 125				
Ethene	15.91	1.00	16.8	0	94.7	75 - 125				
Methane	10.39	0.500	9.647	0	108	75 - 125				

LCSD Sample ID: **LCSD-220310** Units: **ug/L** Analysis Date: **10-Mar-2022 09:25**
Client ID: Run ID: **FID-4_403896** SeqNo: **6539411** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ethane	15.8	1.00	18.04	0	87.6	75 - 125	16.33	3.26	30	
Ethene	15.4	1.00	16.8	0	91.7	75 - 125	15.91	3.22	30	
Methane	10.04	0.500	9.647	0	104	75 - 125	10.39	3.47	30	

DUP Sample ID: **HS22030413-02DUP** Units: **ug/L** Analysis Date: **10-Mar-2022 14:22**
Client ID: Run ID: **FID-4_403896** SeqNo: **6539449** 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	1.62	1.00					0	200	30	R
Methane	7.423	0.500					8.017	7.71	30	

The following samples were analyzed in this batch: HS22030236-01 HS22030236-02 HS22030236-03 HS22030236-04 HS22030236-05 HS22030236-06

ALS Houston, US Date: 10-Mar-22

Client: Permian Basin Environmental Lab, LP
Project: 2C02001
WorkOrder: HS22030236

QC BATCH REPORT

Batch ID: R403594 (0) **Instrument: TOC_04** **Method: TOTAL ORGANIC CARBON BY E415.1**

MBLK Sample ID: **MBLK-03042022** Units: **mg/L** Analysis Date: **04-Mar-2022 19:26**
Client ID: Run ID: **TOC_04_403594** SeqNo: **6533094** 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-03042022** Units: **mg/L** Analysis Date: **04-Mar-2022 19:39**
Client ID: Run ID: **TOC_04_403594** SeqNo: **6533095** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	9.51	1.00	10	0	95.1	85 - 115				

LCSD Sample ID: **LCSD-03042022** Units: **mg/L** Analysis Date: **04-Mar-2022 19:53**
Client ID: Run ID: **TOC_04_403594** SeqNo: **6533096** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	9.478	1.00	10	0	94.8	85 - 115	9.51	0.337	20	

MS Sample ID: **HS22030087-06MS** Units: **mg/L** Analysis Date: **04-Mar-2022 20:20**
Client ID: Run ID: **TOC_04_403594** SeqNo: **6533098** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	20.09	1.00	10	9.811	103	80 - 120				

The following samples were analyzed in this batch: HS22030236-01 HS22030236-02 HS22030236-03 HS22030236-04 HS22030236-05

ALS Houston, US Date: 10-Mar-22

Client: Permian Basin Environmental Lab, LP
Project: 2C02001
WorkOrder: HS22030236

QC BATCH REPORT

Batch ID: R403789 (0) **Instrument: TOC_04** **Method: TOTAL ORGANIC CARBON BY E415.1**

MBLK Sample ID: **MBLK-03042022** Units: **mg/L** Analysis Date: **08-Mar-2022 22:05**
Client ID: Run ID: **TOC_04_403789** SeqNo: **6537166** 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-03042022** Units: **mg/L** Analysis Date: **08-Mar-2022 22:19**
Client ID: Run ID: **TOC_04_403789** SeqNo: **6537167** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	9.196	1.00	10	0	92.0	85 - 115				

LCSD Sample ID: **LCSD-03042022** Units: **mg/L** Analysis Date: **08-Mar-2022 22:33**
Client ID: Run ID: **TOC_04_403789** SeqNo: **6537168** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	9.227	1.00	10	0	92.3	85 - 115	9.196	0.337	20	

MS Sample ID: **HS22030236-06MS** Units: **mg/L** Analysis Date: **08-Mar-2022 22:59**
Client ID: **2C02001-06** Run ID: **TOC_04_403789** SeqNo: **6537191** PrepDate: DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	101.4	10.0	100	-3.049	104	80 - 120				

The following samples were analyzed in this batch: HS22030236-06

ALS Houston, US Date: 10-Mar-22

Client: Permian Basin Environmental Lab, LP
Project: 2C02001
WorkOrder: HS22030236

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 Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

ALS Houston, US Date: 10-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: 10-Mar-22

Sample Receipt Checklist

Work Order ID: HS22030236 **Date/Time Received:** 04-Mar-2022 09:30

Client Name: Permian Basin Lab **Received by:** Pablo Marinez

Completed By:	/S/ Nilesh D. Ranchod	04-Mar-2022 11:07	**Reviewed by:**	/S/ Bernadette A. Fini	04-Mar-2022 14:55
	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 ☐	
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):	0.7C/1.2C UC/C	IR #31
Cooler(s)/Kit(s):	RED	
Date/Time sample(s) sent to storage:	03/04/2022 11:45	

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:

PBELAB

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
Company Name: PBEL
Company Address: 1400 Rankin HWY
City/State/Zip: Midland Texas 79701
Telephone No: 432-661-4184
Sampler Signature: N/A

HS22030236
Permian Basin Environmental Lab. LP
2C02001

Project Name: SUBCONTRACT
Project #:
Project Loc:
PO #:
Report Format: X Standard ☐ TRRP ☐ NPDES

e-mail: brentbarron@pbelab.com

(lab use only)
ORDER #:

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_2SO_4 1 Amber 500 250 poly	NaOH /ZNAC 250 Poly 1	$Na_2S_2O_3$	None Poly 500mL 250mL Glass Amber 1000 500 mL	NONE 3 AMBER VOAA VIALS	DW=Drinking Water SL=Sludge	GW = Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	8270C PAH LL	METALS RCRA 8 TOTAL ICPMS/7471	TOC-SM 5310B	RSK-175 Methane,Ethane,Ethene	8270 TOTAL SEMIVOLATILE	8260 Complete List Total	Na, Ca,K,Mg Total ICP 6020	Cd TCLP ICP/MS 6020A	RCI	METHANOL 8015M	GLYCOLS-DI 8015B	8260B TCLP BENZENE	AMMONIA AS N	48 HOUR	STANDARD 4 DAY
	2C02001-01			3/1/2022	14:06		5	X									W				X	X											X
	2C02001-02			3/1/2022	14:54		5	X									W				X	X											X
	2C02001-03			3/1/2022	15:35		5	X									W				X	X											X
	2C02001-04			3/1/2022	16:55		5	X									W				X	X											X
	2C02001-05			3/1/2022	17:39		5	X									W				X	X											X
	2C02001-06			3/1/2022	18:51		5	X									W				X	X											X

(Preservation & # of Containers: ICE through NONE 3 AMBER VOAA VIALS; Matrix: DW / GW / NP; Analyze For: 8270C PAH LL through AMMONIA AS N)

Special Instructions:

Relinquished by	Date	Time	Received by	Date	Time
Brent Barron	3/3/22	17:00	Paul [signature]	3 4 22	9:3[illegible]

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: 0.7 °C
Adjusted: °C Factor

RED IR71 C4105

Red MAR 0 4 2022

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

PBELAB

Analytical Report

Prepared for:

Curt Stanley

TRC Solutions- Midland, Texas

10 Desta Dr STE 150E

Midland, TX 79705

Project: Monument 10

Project Number: TNM Monument-10

Location: None Given

Lab Order Number: 2B18004

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 02/24/22

TRC Solutions- Midland, Texas	Project: Monument 10
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	Project Manager: Curt Stanley

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW 1	2B18004-01	Water	02/15/22 13:01	02-18-2022 09:04
MW 2	2B18004-02	Water	02/15/22 13:28	02-18-2022 09:04

TRC Solutions- Midland, Texas	Project: Monument 10
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	Project Manager: Curt Stanley

MW 1

2B18004-01 (Water)

Permian Basin Environmental Lab, L.P.

Organics by GC

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.00100	mg/L	1	P2B2206	02/22/22 15:03	02/22/22 18:29	EPA 8021B	
Toluene	**0.00597**	0.00100	mg/L	1	P2B2206	02/22/22 15:03	02/22/22 18:29	EPA 8021B	
Ethylbenzene	**0.00555**	0.00100	mg/L	1	P2B2206	02/22/22 15:03	02/22/22 18:29	EPA 8021B	
Xylene (p/m)	**0.0267**	0.00200	mg/L	1	P2B2206	02/22/22 15:03	02/22/22 18:29	EPA 8021B	
Xylene (o)	**0.0135**	0.00100	mg/L	1	P2B2206	02/22/22 15:03	02/22/22 18:29	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*101 %*	*80-120*		*P2B2206*	*02/22/22 15:03*	*02/22/22 18:29*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*92.1 %*	*80-120*		*P2B2206*	*02/22/22 15:03*	*02/22/22 18:29*	*EPA 8021B*	

TRC Solutions- Midland, Texas	Project: Monument 10
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	Project Manager: Curt Stanley

MW 2

2B18004-02 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	**0.00249**	0.00100	mg/L	1	P2B2206	02/22/22 15:03	02/22/22 18:50	EPA 8021B	
Toluene	**0.00917**	0.00100	mg/L	1	P2B2206	02/22/22 15:03	02/22/22 18:50	EPA 8021B	
Ethylbenzene	**0.00664**	0.00100	mg/L	1	P2B2206	02/22/22 15:03	02/22/22 18:50	EPA 8021B	
Xylene (p/m)	**0.0320**	0.00200	mg/L	1	P2B2206	02/22/22 15:03	02/22/22 18:50	EPA 8021B	
Xylene (o)	**0.0132**	0.00100	mg/L	1	P2B2206	02/22/22 15:03	02/22/22 18:50	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*106 %*	*80-120*		*P2B2206*	*02/22/22 15:03*	*02/22/22 18:50*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.0 %*	*80-120*		*P2B2206*	*02/22/22 15:03*	*02/22/22 18:50*	*EPA 8021B*	

TRC Solutions- Midland, Texas	Project: Monument 10
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	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*			

TRC Solutions- Midland, Texas	Project: Monument 10
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	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*			

TRC Solutions- Midland, Texas	Project: Monument 10
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	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: Brent Barron 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.

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

L: _____ CH: _____ W: _____

Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701
Phone: 432-686-7235

Project Manager: Curt Stanley
Company Name: TRC
Company Address: 10 Desta Dr
City/State/Zip: Midland Tx 79705
Telephone No: (432) 520-7720 **Fax No:**
Sampler Signature: Manny Hernandez **e-mail:**

Project Name: Monument 10
Project #:
Project Loc:
PO #:
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: 2B18004

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TPH: TX 1005	TX 1006	Anions (Cl, SO4, Alkalinity)	BTEX 8021B/5030 or BTEX 8260	RUSH TAT (Pre-Schedule) 24, 48, 72 h	Standard TAT
01	mw 1			2-15-22	1301		3	X		X						GW				X		X
02	mw 2			2-15-22	1338		3	X		X						GW				X		

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
Manny	2-18-22	09 11			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL: Maria Haddock	2/18/22	9:09

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: 5.3 °C Thermometor: 4
Adjusted: 5.3 °C Factor: 1

PBELAB

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?	
✓	Samplers 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 with appropriate temp?	
✓	Analysis requested for all samples submitted?	
	Shipping container/cooler in good condition?	
	Custody seals intact on shipping container/cooler?	

Login Notes:

3HCl VOA VIALS 2B18004

PBELAB

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:_____

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

PBELAB

Analytical Report

Prepared for:

Curt Stanley

TRC Solutions- Midland, Texas

10 Desta Dr STE 150E

Midland, TX 79705

Project: Monument 10_MNA

Project Number: TNM Monument-10

Location: Lea County, NM

Lab Order Number: 2F08003

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 06/22/22

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	Project Manager: Curt Stanley

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-4	2F08003-01	Water	06/07/22 11:20	06-08-2022 09:15
MW-6	2F08003-02	Water	06/07/22 12:00	06-08-2022 09:15
MW-7	2F08003-03	Water	06/07/22 12:45	06-08-2022 09:15
MW-2	2F08003-04	Water	06/07/22 13:35	06-08-2022 09:15
MW-1	2F08003-05	Water	06/07/22 14:40	06-08-2022 09:15
MW-3A	2F08003-06	Water	06/07/22 15:45	06-08-2022 09:15

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	Project Manager: Curt Stanley

MW-4

2F08003-01 (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	P2F0901	06/09/22 08:51	06/09/22 19:43	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2F0901	06/09/22 08:51	06/09/22 19:43	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2F0901	06/09/22 08:51	06/09/22 19:43	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2F0901	06/09/22 08:51	06/09/22 19:43	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2F0901	06/09/22 08:51	06/09/22 19:43	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*106 %*	*80-120*		*P2F0901*	*06/09/22 08:51*	*06/09/22 19:43*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*90.8 %*	*80-120*		*P2F0901*	*06/09/22 08:51*	*06/09/22 19:43*	*EPA 8021B*	
Ethane	**0.00134**	0.00100	mg/L	1	P2F2103	06/15/22 09:43	06/15/22 09:43	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2F2103	06/15/22 09:43	06/15/22 09:43	8015M	SUB-13
Methane	**0.00164**	0.000500	mg/L	1	P2F2103	06/15/22 09:43	06/15/22 09:43	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	ND	10.0	mg/L	1	P2F1501	06/15/22 08:26	06/16/22 14:00	8000	
Nitrate as N	**2.00**	0.200	mg/L	1	P2F0804	06/08/22 10:59	06/08/22 17:07	EPA 300.0	
Sulfate	**73.2**	1.00	mg/L	1	P2F0804	06/08/22 10:59	06/08/22 17:07	EPA 300.0	
Total Organic Carbon	**4.63**	1.00	mg/L	1	P2F2103	06/15/22 09:43	06/15/22 23:17	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	ND	0.200	mg/L	1	P2F2001	06/20/22 09:08	06/20/22 11:05	EPA 6010B	QAL1
Manganese	**0.588**	0.100	mg/L	1	P2F2001	06/20/22 09:08	06/20/22 11:05	EPA 6010B	QAL1

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	Project Manager: Curt Stanley

MW-6

2F08003-02 (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	P2F1009	06/10/22 14:54	06/10/22 18:18	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2F1009	06/10/22 14:54	06/10/22 18:18	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2F1009	06/10/22 14:54	06/10/22 18:18	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2F1009	06/10/22 14:54	06/10/22 18:18	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2F1009	06/10/22 14:54	06/10/22 18:18	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*98.3 %*	*80-120*		*P2F1009*	*06/10/22 14:54*	*06/10/22 18:18*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.9 %*	*80-120*		*P2F1009*	*06/10/22 14:54*	*06/10/22 18:18*	*EPA 8021B*	
Ethane	ND	0.00100	mg/L	1	P2F2103	06/15/22 09:43	06/15/22 10:05	8015M	SUB-13
Ethene	**0.00184**	0.00100	mg/L	1	P2F2103	06/15/22 09:43	06/15/22 10:05	8015M	SUB-13
Methane	**0.00236**	0.000500	mg/L	1	P2F2103	06/15/22 09:43	06/15/22 10:05	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	ND	10.0	mg/L	1	P2F1501	06/15/22 08:26	06/16/22 14:00	8000	
Nitrate as N	**0.417**	0.200	mg/L	1	P2F0804	06/08/22 10:59	06/08/22 18:04	EPA 300.0	
Sulfate	**25.4**	1.00	mg/L	1	P2F0804	06/08/22 10:59	06/08/22 18:04	EPA 300.0	
Total Organic Carbon	**5.30**	1.00	mg/L	1	P2F2103	06/15/22 09:43	06/15/22 23:57	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	ND	0.200	mg/L	1	P2F2001	06/20/22 09:08	06/20/22 11:08	EPA 6010B	QAL1
Manganese	**0.152**	0.100	mg/L	1	P2F2001	06/20/22 09:08	06/20/22 11:08	EPA 6010B	QAL1

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	Project Manager: Curt Stanley

MW-7

2F08003-03 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P2F1009	06/10/22 14:54	06/10/22 18:40	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2F1009	06/10/22 14:54	06/10/22 18:40	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2F1009	06/10/22 14:54	06/10/22 18:40	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2F1009	06/10/22 14:54	06/10/22 18:40	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2F1009	06/10/22 14:54	06/10/22 18:40	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*99.8 %*	*80-120*		*P2F1009*	*06/10/22 14:54*	*06/10/22 18:40*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*97.1 %*	*80-120*		*P2F1009*	*06/10/22 14:54*	*06/10/22 18:40*	*EPA 8021B*	
Ethane	ND	0.00100	mg/L	1	P2F2103	06/15/22 09:43	06/21/22 10:14	8015M	SUB-13
Ethene	**0.00163**	0.00100	mg/L	1	P2F2103	06/15/22 09:43	06/21/22 10:14	8015M	SUB-13
Methane	**0.00256**	0.000500	mg/L	1	P2F2103	06/15/22 09:43	06/21/22 10:14	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	ND	10.0	mg/L	1	P2F1501	06/15/22 08:26	06/16/22 14:00	8000	
Nitrate as N	**0.798**	0.200	mg/L	1	P2F0804	06/08/22 10:59	06/08/22 18:23	EPA 300.0	
Sulfate	**51.0**	1.00	mg/L	1	P2F0804	06/08/22 10:59	06/08/22 18:23	EPA 300.0	
Total Organic Carbon	**5.29**	1.00	mg/L	1	P2F2103	06/15/22 09:43	06/16/22 00:11	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	ND	0.200	mg/L	1	P2F2001	06/20/22 09:08	06/20/22 11:11	EPA 6010B	QAL1
Manganese	**0.111**	0.100	mg/L	1	P2F2001	06/20/22 09:08	06/20/22 11:11	EPA 6010B	QAL1

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	Project Manager: Curt Stanley

MW-2

2F08003-04 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P2F1009	06/10/22 14:54	06/10/22 19:02	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2F1009	06/10/22 14:54	06/10/22 19:02	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2F1009	06/10/22 14:54	06/10/22 19:02	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2F1009	06/10/22 14:54	06/10/22 19:02	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2F1009	06/10/22 14:54	06/10/22 19:02	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*97.6 %*	*80-120*		*P2F1009*	*06/10/22 14:54*	*06/10/22 19:02*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*98.0 %*	*80-120*		*P2F1009*	*06/10/22 14:54*	*06/10/22 19:02*	*EPA 8021B*	
Ethane	ND	0.00100	mg/L	1	P2F2103	06/15/22 09:43	06/15/22 10:28	8015M	SUB-13
Ethene	**0.00184**	0.00100	mg/L	1	P2F2103	06/15/22 09:43	06/15/22 10:28	8015M	SUB-13
Methane	**0.0727**	0.00200	mg/L	1	P2F2103	06/15/22 09:43	06/15/22 11:27	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	ND	10.0	mg/L	1	P2F1501	06/15/22 08:26	06/16/22 14:00	8000	
Nitrate as N	**1.70**	0.200	mg/L	1	P2F0804	06/08/22 10:59	06/08/22 18:42	EPA 300.0	
Sulfate	**45.6**	1.00	mg/L	1	P2F0804	06/08/22 10:59	06/08/22 18:42	EPA 300.0	
Total Organic Carbon	**2.52**	1.00	mg/L	1	P2F2103	06/15/22 09:43	06/16/22 00:25	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	ND	0.200	mg/L	1	P2F2001	06/20/22 09:08	06/20/22 11:15	EPA 6010B	QAL1
Manganese	**0.0854**	0.100	mg/L	1	P2F2001	06/20/22 09:08	06/20/22 11:15	EPA 6010B	J, QAL1

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	Project Manager: Curt Stanley

MW-1

2F08003-05 (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	P2F1009	06/10/22 14:54	06/10/22 19:24	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2F1009	06/10/22 14:54	06/10/22 19:24	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2F1009	06/10/22 14:54	06/10/22 19:24	EPA 8021B	
Xylene (p/m)	**0.00274**	0.00200	mg/L	1	P2F1009	06/10/22 14:54	06/10/22 19:24	EPA 8021B	
Xylene (o)	**0.00146**	0.00100	mg/L	1	P2F1009	06/10/22 14:54	06/10/22 19:24	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		*P2F1009*	*06/10/22 14:54*	*06/10/22 19:24*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*97.2 %*	*80-120*		*P2F1009*	*06/10/22 14:54*	*06/10/22 19:24*	*EPA 8021B*	
Ethane	ND	0.00100	mg/L	1	P2F2103	06/15/22 09:43	06/15/22 10:36	8015M	SUB-13
Ethene	**0.00206**	0.00100	mg/L	1	P2F2103	06/15/22 09:43	06/15/22 10:36	8015M	SUB-13
Methane	**0.118**	0.00500	mg/L	1	P2F2103	06/15/22 09:43	06/15/22 11:40	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	**30.0**	10.0	mg/L	1	P2F1501	06/15/22 08:26	06/16/22 14:00	8000	
Nitrate as N	ND	0.200	mg/L	1	P2F0804	06/08/22 10:59	06/08/22 19:01	EPA 300.0	
Sulfate	**23.3**	1.00	mg/L	1	P2F0804	06/08/22 10:59	06/08/22 19:01	EPA 300.0	
Total Organic Carbon	**22.8**	1.00	mg/L	1	P2F2103	06/15/22 09:43	06/16/22 00:37	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	**0.478**	0.200	mg/L	1	P2F2001	06/20/22 09:08	06/20/22 11:18	EPA 6010B	QAL1
Manganese	**1.75**	0.100	mg/L	1	P2F2001	06/20/22 09:08	06/20/22 11:18	EPA 6010B	QAL1

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MW-3A

2F08003-06 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	**0.00221**	0.00100	mg/L	1	P2F1009	06/10/22 14:54	06/10/22 19:45	EPA 8021B	
Toluene	**0.00404**	0.00100	mg/L	1	P2F1009	06/10/22 14:54	06/10/22 19:45	EPA 8021B	
Ethylbenzene	**0.00232**	0.00100	mg/L	1	P2F1009	06/10/22 14:54	06/10/22 19:45	EPA 8021B	
Xylene (p/m)	**0.0189**	0.00200	mg/L	1	P2F1009	06/10/22 14:54	06/10/22 19:45	EPA 8021B	
Xylene (o)	**0.00752**	0.00100	mg/L	1	P2F1009	06/10/22 14:54	06/10/22 19:45	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*97.4 %*	*80-120*		*P2F1009*	*06/10/22 14:54*	*06/10/22 19:45*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.3 %*	*80-120*		*P2F1009*	*06/10/22 14:54*	*06/10/22 19:45*	*EPA 8021B*	
Ethane	**0.00175**	0.00100	mg/L	1	P2F2103	06/15/22 09:43	06/15/22 10:45	8015M	SUB-13
Ethene	**0.00763**	0.00100	mg/L	1	P2F2103	06/15/22 09:43	06/15/22 10:45	8015M	SUB-13
Methane	**0.474**	0.0250	mg/L	1	P2F2103	06/15/22 09:43	06/15/22 11:49	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	**27.0**	10.0	mg/L	1	P2F1501	06/15/22 08:26	06/16/22 14:00	8000	
Nitrate as N	**0.400**	0.200	mg/L	1	P2F0804	06/08/22 10:59	06/08/22 19:20	EPA 300.0	
Sulfate	**1.47**	1.00	mg/L	1	P2F0804	06/08/22 10:59	06/08/22 19:20	EPA 300.0	
Total Organic Carbon	**6.94**	1.00	mg/L	1	P2F2103	06/15/22 09:43	06/16/22 00:39	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	**1.04**	0.200	mg/L	1	P2F2001	06/20/22 09:08	06/20/22 11:21	EPA 6010B	QAL1
Manganese	**2.22**	0.100	mg/L	1	P2F2001	06/20/22 09:08	06/20/22 11:21	EPA 6010B	QAL1

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Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2F0901 - General Preparation (GC)										
Blank (P2F0901-BLK1)				Prepared & Analyzed: 06/09/22						
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	*0.126*		*"*	*0.120*		*105*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.112*		*"*	*0.120*		*93.4*	*80-120*			
LCS (P2F0901-BS1)				Prepared & Analyzed: 06/09/22						
Benzene	0.0986	0.00100	mg/L	0.100		98.6	80-120			
Toluene	0.101	0.00100	"	0.100		101	80-120			
Ethylbenzene	0.113	0.00100	"	0.100		113	80-120			
Xylene (p/m)	0.217	0.00200	"	0.200		108	80-120			
Xylene (o)	0.106	0.00100	"	0.100		106	80-120			
Surrogate: 4-Bromofluorobenzene	*0.129*		*"*	*0.120*		*108*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*95.4*	*80-120*			
LCS Dup (P2F0901-BSD1)				Prepared & Analyzed: 06/09/22						
Benzene	0.0997	0.00100	mg/L	0.100		99.7	80-120	1.15	20	
Toluene	0.103	0.00100	"	0.100		103	80-120	2.25	20	
Ethylbenzene	0.116	0.00100	"	0.100		116	80-120	2.18	20	
Xylene (p/m)	0.219	0.00200	"	0.200		110	80-120	1.27	20	
Xylene (o)	0.106	0.00100	"	0.100		106	80-120	0.197	20	
Surrogate: 4-Bromofluorobenzene	*0.130*		*"*	*0.120*		*108*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.114*		*"*	*0.120*		*94.8*	*80-120*			
Calibration Blank (P2F0901-CCB1)				Prepared & Analyzed: 06/09/22						
Benzene	0.360		ug/l							
Toluene	0.470		"							
Ethylbenzene	0.380		"							
Xylene (p/m)	0.840		"							
Xylene (o)	0.480		"							
Surrogate: 4-Bromofluorobenzene	*0.125*		*"*	*0.120*		*104*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.110*		*"*	*0.120*		*91.8*	*80-120*			

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Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2F0901 - General Preparation (GC)										
Calibration Blank (P2F0901-CCB2)				Prepared & Analyzed: 06/09/22						
Benzene	0.290		ug/l							
Toluene	0.110		"							
Ethylbenzene	0.150		"							
Xylene (p/m)	0.370		"							
Xylene (o)	0.310		"							
Surrogate: 4-Bromofluorobenzene	*0.122*		*"*	*0.120*		*102*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.109*		*"*	*0.120*		*91.0*	*80-120*			
Calibration Check (P2F0901-CCV1)				Prepared & Analyzed: 06/09/22						
Benzene	0.0974	0.00100	mg/L	0.102		95.4	80-120			
Toluene	0.103	0.00100	"	0.102		101	80-120			
Ethylbenzene	0.107	0.00100	"	0.102		105	80-120			
Xylene (p/m)	0.216	0.00200	"	0.204		106	80-120			
Xylene (o)	0.111	0.00100	"	0.102		108	80-120			
Surrogate: 4-Bromofluorobenzene	*0.125*		*"*	*0.120*		*104*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.111*		*"*	*0.120*		*92.6*	*80-120*			
Calibration Check (P2F0901-CCV2)				Prepared: 06/09/22 Analyzed: 06/10/22						
Benzene	0.0951	0.00100	mg/L	0.102		93.2	80-120			
Toluene	0.0953	0.00100	"	0.102		93.4	80-120			
Ethylbenzene	0.0976	0.00100	"	0.102		95.6	80-120			
Xylene (p/m)	0.198	0.00200	"	0.204		97.2	80-120			
Xylene (o)	0.100	0.00100	"	0.102		98.4	80-120			
Surrogate: 4-Bromofluorobenzene	*0.124*		*"*	*0.120*		*103*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.111*		*"*	*0.120*		*92.4*	*80-120*			
Calibration Check (P2F0901-CCV3)				Prepared & Analyzed: 06/09/22						
Benzene	0.0984	0.00100	mg/L	0.102		96.5	80-120			
Toluene	0.103	0.00100	"	0.102		101	80-120			
Ethylbenzene	0.108	0.00100	"	0.102		106	80-120			
Xylene (p/m)	0.218	0.00200	"	0.204		107	80-120			
Xylene (o)	0.108	0.00100	"	0.102		106	80-120			
Surrogate: 4-Bromofluorobenzene	*0.130*		*"*	*0.120*		*108*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.112*		*"*	*0.120*		*93.3*	*80-120*			

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Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2F0901 - General Preparation (GC)										
Matrix Spike (P2F0901-MS1)		**Source: 2F07004-01**		Prepared & Analyzed: 06/09/22						
Benzene	0.0964	0.00100	mg/L	0.100	ND	96.4	80-120			
Toluene	0.0962	0.00100	"	0.100	ND	96.2	80-120			
Ethylbenzene	0.105	0.00100	"	0.100	ND	105	80-120			
Xylene (p/m)	0.197	0.00200	"	0.200	ND	98.7	80-120			
Xylene (o)	0.0961	0.00100	"	0.100	ND	96.1	80-120			
Surrogate: 4-Bromofluorobenzene	*0.132*		*"*	*0.120*		*110*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.112*		*"*	*0.120*		*93.1*	*80-120*			
Matrix Spike Dup (P2F0901-MSD1)		**Source: 2F07004-01**		Prepared & Analyzed: 06/09/22						
Benzene	0.108	0.00100	mg/L	0.100	ND	108	80-120	11.5	20	
Toluene	0.108	0.00100	"	0.100	ND	108	80-120	11.6	20	
Ethylbenzene	0.119	0.00100	"	0.100	ND	119	80-120	11.9	20	
Xylene (p/m)	0.221	0.00200	"	0.200	ND	110	80-120	11.3	20	
Xylene (o)	0.109	0.00100	"	0.100	ND	109	80-120	12.7	20	
Surrogate: 4-Bromofluorobenzene	*0.132*		*"*	*0.120*		*110*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.111*		*"*	*0.120*		*92.6*	*80-120*			
Batch P2F1009 - General Preparation (GC)										
Blank (P2F1009-BLK1)				Prepared & Analyzed: 06/10/22						
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	*0.118*		*"*	*0.120*		*98.7*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.8*	*80-120*			

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Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2F1009 - General Preparation (GC)										
LCS (P2F1009-BS1)				Prepared & Analyzed: 06/10/22						
Benzene	0.0918	0.00100	mg/L	0.100		91.8	80-120			
Toluene	0.0936	0.00100	"	0.100		93.6	80-120			
Ethylbenzene	0.106	0.00100	"	0.100		106	80-120			
Xylene (p/m)	0.200	0.00200	"	0.200		99.8	80-120			
Xylene (o)	0.0967	0.00100	"	0.100		96.7	80-120			
Surrogate: 4-Bromofluorobenzene	*0.125*		*"*	*0.120*		*104*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.7*	*80-120*			
LCS Dup (P2F1009-BSD1)				Prepared & Analyzed: 06/10/22						
Benzene	0.0918	0.00100	mg/L	0.100		91.8	80-120	0.0109	20	
Toluene	0.0949	0.00100	"	0.100		94.9	80-120	1.41	20	
Ethylbenzene	0.107	0.00100	"	0.100		107	80-120	1.66	20	
Xylene (p/m)	0.204	0.00200	"	0.200		102	80-120	2.21	20	
Xylene (o)	0.0969	0.00100	"	0.100		96.9	80-120	0.238	20	
Surrogate: 4-Bromofluorobenzene	*0.126*		*"*	*0.120*		*105*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.3*	*80-120*			
Calibration Blank (P2F1009-CCB1)				Prepared & Analyzed: 06/10/22						
Benzene	0.340		ug/l							
Toluene	0.310		"							
Ethylbenzene	0.310		"							
Xylene (p/m)	0.730		"							
Xylene (o)	0.420		"							
Surrogate: 4-Bromofluorobenzene	*0.120*		*"*	*0.120*		*99.6*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*95.9*	*80-120*			
Calibration Blank (P2F1009-CCB2)				Prepared & Analyzed: 06/10/22						
Benzene	0.170		ug/l							
Toluene	0.170		"							
Ethylbenzene	0.480		"							
Xylene (p/m)	0.930		"							
Xylene (o)	0.370		"							
Surrogate: 4-Bromofluorobenzene	*0.111*		*"*	*0.120*		*92.4*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.119*		*"*	*0.120*		*99.4*	*80-120*			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2F1009 - General Preparation (GC)										
Calibration Blank (P2F1009-CCB3)				Prepared: 06/10/22 Analyzed: 06/11/22						
Benzene	0.470		ug/l							
Toluene	0.460		"							
Ethylbenzene	0.490		"							
Xylene (p/m)	1.15		"							
Xylene (o)	0.650		"							
Surrogate: 4-Bromofluorobenzene	*0.113*		*"*	*0.120*		*93.9*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.119*		*"*	*0.120*		*99.1*	*80-120*			
Calibration Check (P2F1009-CCV1)				Prepared & Analyzed: 06/10/22						
Benzene	0.0977	0.00100	mg/L	0.102		95.8	80-120			
Toluene	0.100	0.00100	"	0.102		98.3	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)	0.105	0.00100	"	0.102		103	80-120			
Surrogate: 4-Bromofluorobenzene	*0.125*		*"*	*0.120*		*104*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*95.9*	*80-120*			
Calibration Check (P2F1009-CCV2)				Prepared & Analyzed: 06/10/22						
Benzene	0.104	0.00100	mg/L	0.102		102	80-120			
Toluene	0.105	0.00100	"	0.102		103	80-120			
Ethylbenzene	0.110	0.00100	"	0.102		108	80-120			
Xylene (p/m)	0.220	0.00200	"	0.204		108	80-120			
Xylene (o)	0.110	0.00100	"	0.102		107	80-120			
Surrogate: 4-Bromofluorobenzene	*0.115*		*"*	*0.120*		*95.9*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.119*		*"*	*0.120*		*99.1*	*80-120*			
Calibration Check (P2F1009-CCV3)				Prepared: 06/10/22 Analyzed: 06/11/22						
Benzene	0.106	0.00100	mg/L	0.102		104	80-120			
Toluene	0.106	0.00100	"	0.102		104	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		110	80-120			
Surrogate: 4-Bromofluorobenzene	*0.117*		*"*	*0.120*		*97.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.121*		*"*	*0.120*		*101*	*80-120*			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2F1009 - General Preparation (GC)										
Matrix Spike (P2F1009-MS1)		**Source: 2F08003-02**		Prepared: 06/10/22 Analyzed: 06/11/22						
Benzene	0.107	0.00100	mg/L	0.100	ND	107	80-120			
Toluene	0.105	0.00100	"	0.100	ND	105	80-120			
Ethylbenzene	0.116	0.00100	"	0.100	ND	116	80-120			
Xylene (p/m)	0.218	0.00200	"	0.200	ND	109	80-120			
Xylene (o)	0.108	0.00100	"	0.100	ND	108	80-120			
Surrogate: 4-Bromofluorobenzene	*0.113*		*"*	*0.120*		*94.4*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.121*		*"*	*0.120*		*101*	*80-120*			
Matrix Spike Dup (P2F1009-MSD1)		**Source: 2F08003-02**		Prepared: 06/10/22 Analyzed: 06/11/22						
Benzene	0.116	0.00100	mg/L	0.100	ND	116	80-120	8.44	20	
Toluene	0.117	0.00100	"	0.100	ND	117	80-120	10.4	20	
Ethylbenzene	0.119	0.00100	"	0.100	ND	119	80-120	3.30	20	
Xylene (p/m)	0.238	0.00200	"	0.200	ND	119	80-120	8.83	20	
Xylene (o)	0.120	0.00100	"	0.100	ND	120	80-120	10.9	20	
Surrogate: 4-Bromofluorobenzene	*0.116*		*"*	*0.120*		*97.1*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.122*		*"*	*0.120*		*102*	*80-120*			

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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 P2F0804 - * DEFAULT PREP *** **										
Blank (P2F0804-BLK1)				Prepared & Analyzed: 06/08/22						
Sulfate	ND	1.00	mg/L							
Nitrate as N	ND	0.200	"							
LCS (P2F0804-BS1)				Prepared & Analyzed: 06/08/22						
Sulfate	41.0		mg/L	40.0		103	90-110			
Nitrate as N	8.28		"	8.00		103	90-110			
LCS Dup (P2F0804-BSD1)				Prepared & Analyzed: 06/08/22						
Nitrate as N	8.26		mg/L	8.00		103	90-110	0.169	10	
Sulfate	40.8		"	40.0		102	90-110	0.494	10	
Calibration Blank (P2F0804-CCB1)				Prepared & Analyzed: 06/08/22						
Sulfate	0.00		mg/L							
Nitrate as N	0.00		"							
Calibration Check (P2F0804-CCV1)				Prepared & Analyzed: 06/08/22						
Sulfate	20.5		mg/L	20.0		102	90-110			
Nitrate as N	1.90		"	2.00		95.0	90-110			
Calibration Check (P2F0804-CCV2)				Prepared & Analyzed: 06/08/22						
Nitrate as N	1.94		mg/L	2.00		96.8	90-110			
Sulfate	20.7		"	20.0		103	90-110			
Matrix Spike (P2F0804-MS1)		**Source: 2F08003-01**		Prepared & Analyzed: 06/08/22						
Nitrate as N	3.07	0.200	mg/L	1.00	2.00	107	80-120			
Sulfate	78.2	1.00	"	5.00	73.2	98.4	80-120			
Matrix Spike Dup (P2F0804-MSD1)		**Source: 2F08003-01**		Prepared & Analyzed: 06/08/22						
Nitrate as N	3.06	0.200	mg/L	1.00	2.00	106	80-120	0.293	20	
Sulfate	78.2	1.00	"	5.00	73.2	98.5	80-120	0.0102	20	

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	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 P2F1501 - * DEFAULT PREP *** **										
Blank (P2F1501-BLK1)				Prepared: 06/15/22 Analyzed: 06/16/22						
Chemical Oxygen Demand	ND	10.0	mg/L							
LCS (P2F1501-BS1)				Prepared: 06/15/22 Analyzed: 06/16/22						
Chemical Oxygen Demand	95.0	10.0	mg/L	100		95.0	80-120			
LCS Dup (P2F1501-BSD1)				Prepared: 06/15/22 Analyzed: 06/16/22						
Chemical Oxygen Demand	103	10.0	mg/L	100		103	80-120	8.08	20	
Calibration Check (P2F1501-CCV1)				Prepared: 06/15/22 Analyzed: 06/16/22						
Chemical Oxygen Demand	98.0	10.0	mg/L	100		98.0	80-120			
Calibration Check (P2F1501-CCV2)				Prepared: 06/15/22 Analyzed: 06/16/22						
Chemical Oxygen Demand	98.0	10.0	mg/L	100		98.0	80-120			
Calibration Check (P2F1501-CCV3)				Prepared: 06/15/22 Analyzed: 06/16/22						
Chemical Oxygen Demand	99.0	10.0	mg/L	100		99.0	80-120			
Duplicate (P2F1501-DUP1)		**Source: 2F02002-01**		Prepared: 06/15/22 Analyzed: 06/16/22						
Chemical Oxygen Demand	74.0	10.0	mg/L		65.0			12.9	20	
Duplicate (P2F1501-DUP2)		**Source: 2F08003-06**		Prepared: 06/15/22 Analyzed: 06/16/22						
Chemical Oxygen Demand	30.0	10.0	mg/L		27.0			10.5	20	
Matrix Spike (P2F1501-MS1)		**Source: 2F02002-01**		Prepared: 06/15/22 Analyzed: 06/16/22						
Chemical Oxygen Demand	155	10.0	mg/L	100	65.0	90.0	80-120			
Matrix Spike (P2F1501-MS2)		**Source: 2F08003-06**		Prepared: 06/15/22 Analyzed: 06/16/22						
Chemical Oxygen Demand	131	10.0	mg/L	100	27.0	104	80-120			

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	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 P2F1501 - * DEFAULT PREP *** **										
Matrix Spike Dup (P2F1501-MSD1)	**Source: 2F02002-01**			Prepared: 06/15/22 Analyzed: 06/16/22						
Chemical Oxygen Demand	153	10.0	mg/L	100	65.0	88.0	80-120	1.30	20	
Matrix Spike Dup (P2F1501-MSD2)	**Source: 2F08003-06**			Prepared: 06/15/22 Analyzed: 06/16/22						
Chemical Oxygen Demand	132	10.0	mg/L	100	27.0	105	80-120	0.760	20	

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	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 P2F2001 - * DEFAULT PREP *** **										
Blank (P2F2001-BLK1)				Prepared & Analyzed: 06/20/22						
Manganese	ND	0.100	mg/L							QAL1
Iron	ND	0.200	"							QAL1
LCS (P2F2001-BS1)				Prepared & Analyzed: 06/20/22						
Iron	0.430	0.200	mg/L	0.400		108	80-120			QAL1
Manganese	0.221	0.100	"	0.200		110	80-120			QAL1
LCS Dup (P2F2001-BSD1)				Prepared & Analyzed: 06/20/22						
Iron	0.421	0.200	mg/L	0.400		105	80-120	2.30	20	QAL1
Manganese	0.222	0.100	"	0.200		111	80-120	0.532	20	QAL1
Calibration Blank (P2F2001-CCB1)				Prepared & Analyzed: 06/20/22						
Manganese	-0.00335		mg/L							QAL1
Iron	-0.000425		"							QAL1
Calibration Blank (P2F2001-CCB2)				Prepared & Analyzed: 06/20/22						
Manganese	-0.00326		mg/L							QAL1
Iron	-0.00205		"							QAL1
Calibration Blank (P2F2001-CCB3)				Prepared & Analyzed: 06/20/22						
Manganese	-0.00327		mg/L							QAL1
Iron	0.00334		"							QAL1
Calibration Check (P2F2001-CCV1)				Prepared & Analyzed: 06/20/22						
Iron	0.423	0.200	mg/L	0.400		106	80-120			QAL1
Manganese	0.215	0.100	"	0.200		108	80-120			QAL1
Calibration Check (P2F2001-CCV2)				Prepared & Analyzed: 06/20/22						
Manganese	0.229	0.100	mg/L	0.200		115	80-120			QAL1
Iron	0.441	0.200	"	0.400		110	80-120			QAL1

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	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 P2F2001 - * DEFAULT PREP *** **										
Calibration Check (P2F2001-CCV3)				Prepared & Analyzed: 06/20/22						
Manganese	0.235	0.100	mg/L	0.200		118	80-120			QAL1
Iron	0.461	0.200	"	0.400		115	80-120			QAL1
Matrix Spike (P2F2001-MS1)		**Source: 2F08003-01**		Prepared & Analyzed: 06/20/22						
Iron	0.448	0.200	mg/L	0.400	ND	112	75-125			QAL1
Manganese	0.805	0.100	"	0.200	0.588	109	75-125			QAL1
Matrix Spike Dup (P2F2001-MSD1)		**Source: 2F08003-01**		Prepared & Analyzed: 06/20/22						
Manganese	0.866	0.100	mg/L	0.200	0.588	139	75-125	7.26	20	QAL1, QM-07
Iron	0.469	0.200	"	0.400	ND	117	75-125	4.58	20	QAL1

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	Project Manager: Curt Stanley

Notes and Definitions

SUB-13	Subcontract of analyte/analysis to ALS Houston.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QAL1	The Laboratory is not TNI Certified for this analyte or analysis.
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: Brent Barron Date: 6/22/2022

Brent Barron, Laboratory Director/Technical Director

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	Project Manager: Curt Stanley

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
10014 S. County Road 1213
Midland, Texas 79706
Phone: 432-661-4184

Project Manager: Curt Stanley
Company Name: TRC Environmental Corporation
Company Address: 10 Desta Drive, Ste 130E
City/State/Zip: Midland/TX/79703
Telephone No: (432)5207720
Fax No:
Sampler Signature:
e-mail: cdstanley@trcsolutions.com; cjbryant@paalp.com; khudgens@paalp.com

Project Name: Monument 10
Project #: TNM Monument 10
Project Loc: Lea County, New Mexico
PO #:
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only) ORDER #: 2F08003

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: Ice	HNO_3 (1-250mL)	HCl (6 VOA + 1-250 mL)	H_2SO_4 (1-250 mL)	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW= Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: / TOTAL: X — TOC SM 5310	Dissolved Methane, Ethane, and Ethene by RSK-175	Total Dissolved Metals (Fe amd Mn) by SW 6010	Nitrate and Sulfate by E300	COD by SM 5310	Total BTEX by 8260	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides E 300	Paint Filter	TCLP Benzene	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
-01	MW-4			6-7-22	1120	1	9	X	1	7	1					GW	X	X	X	X	X	X										X
-02	MW-6				1200	1	9	X	1	7	1					GW	X	X	X	X	X	X										X
-03	MW-7				1245	1	9	X	1	7	1					GW	X	X	X	X	X	X										X
-04	MW-2				1335	1	9	X	1	7	1					GW	X	X	X	X	X	X										X
-05	MW-1				1440	1	9	X	1	7	1					GW	X	X	X	X	X	X										X
-06	MW-3A				1545	1	9	X	1	7	1					GW	X	X	X	X	X	X										X

Special Instructions:

	Date	Time		Date	Time
Relinquished by: Manny	6-8-22	0840	Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by PBEL:	6822	840

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?		N
Labels on container(s)	Y	N
Custody seals on container(s)		N
Custody seals on cooler(s)		N
Sample Hand Delivered		N
by Sampler/Client Rep. ?	Y	N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: °C
Adjusted: °C Factor

5.0 +1.0 6.0 CFL

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

PBELAB

Analytical Report

Prepared for:

Curt Stanley

TRC Solutions- Midland, Texas

10 Desta Dr STE 150E

Midland, TX 79705

Project: Monument 10_MNA

Project Number: TNM Monument-10

Location: Lea County, NM

Lab Order Number: 2I02001

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 09/27/22

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	Project Manager: Curt Stanley

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-4	2I02001-01	Water	09/01/22 11:25	09-02-2022 08:43
MW-6	2I02001-02	Water	09/01/22 12:05	09-02-2022 08:43
MW-7	2I02001-03	Water	09/01/22 12:50	09-02-2022 08:43
MW-2	2I02001-04	Water	09/01/22 13:40	09-02-2022 08:43
MW-1	2I02001-05	Water	09/01/22 14:35	09-02-2022 08:43
MW-3A	2I02001-06	Water	09/01/22 15:15	09-02-2022 08:43

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	Project Manager: Curt Stanley

MW-4

2I02001-01 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P2I0909	09/09/22 14:42	09/09/22 20:43	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2I0909	09/09/22 14:42	09/09/22 20:43	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2I0909	09/09/22 14:42	09/09/22 20:43	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2I0909	09/09/22 14:42	09/09/22 20:43	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2I0909	09/09/22 14:42	09/09/22 20:43	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*100 %*	*80-120*		*P2I0909*	*09/09/22 14:42*	*09/09/22 20:43*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*98.2 %*	*80-120*		*P2I0909*	*09/09/22 14:42*	*09/09/22 20:43*	*EPA 8021B*	
Ethane	ND	0.00100	mg/L	1	P2I1901	09/19/22 07:52	09/13/22 10:14	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2I1901	09/19/22 07:52	09/13/22 10:14	8015M	SUB-13
Methane	**0.000629**	0.000500	mg/L	1	P2I1901	09/19/22 07:52	09/13/22 10:14	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	ND	10.0	mg/L	1	P2I1205	09/12/22 09:29	09/12/22 15:04	8000	QAL1
Nitrate as N	**2.05**	0.200	mg/L	1	P2I0208	09/02/22 10:45	09/02/22 20:18	EPA 300.0	
Sulfate	**75.2**	1.00	mg/L	1	P2I0712	09/07/22 13:35	09/09/22 14:04	EPA 300.0	
Total Organic Carbon	ND	10.0	mg/L	1	P2I1901	09/19/22 07:52	09/14/22 17:21	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	ND	0.200	mg/L	1	P2I1305	09/13/22 08:58	09/13/22 10:37	EPA 6010B	QAL1
Manganese	**0.209**	0.100	mg/L	1	P2I1305	09/13/22 08:58	09/13/22 10:37	EPA 6010B	QAL1

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	Project Manager: Curt Stanley

MW-6

2I02001-02 (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	P2I0909	09/09/22 14:42	09/09/22 21:04	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2I0909	09/09/22 14:42	09/09/22 21:04	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2I0909	09/09/22 14:42	09/09/22 21:04	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2I0909	09/09/22 14:42	09/09/22 21:04	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2I0909	09/09/22 14:42	09/09/22 21:04	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*92.7 %*	*80-120*		*P2I0909*	*09/09/22 14:42*	*09/09/22 21:04*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*99.2 %*	*80-120*		*P2I0909*	*09/09/22 14:42*	*09/09/22 21:04*	*EPA 8021B*	
Ethane	ND	0.00100	mg/L	1	P2I1901	09/19/22 07:52	09/13/22 10:24	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2I1901	09/19/22 07:52	09/13/22 10:24	8015M	SUB-13
Methane	**0.00147**	0.000500	mg/L	1	P2I1901	09/19/22 07:52	09/13/22 10:24	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	ND	10.0	mg/L	1	P2I1205	09/12/22 09:29	09/12/22 15:04	8000	QAL1
Nitrate as N	**0.700**	0.200	mg/L	1	P2I0208	09/02/22 10:45	09/02/22 21:12	EPA 300.0	
Sulfate	**28.4**	1.00	mg/L	1	P2I0712	09/07/22 13:35	09/09/22 14:22	EPA 300.0	
Total Organic Carbon	ND	10.0	mg/L	1	P2I1901	09/19/22 07:52	09/14/22 17:35	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	**0.328**	0.200	mg/L	1	P2I1305	09/13/22 08:58	09/13/22 10:40	EPA 6010B	QAL1
Manganese	**0.294**	0.100	mg/L	1	P2I1305	09/13/22 08:58	09/13/22 10:40	EPA 6010B	QAL1

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	Project Manager: Curt Stanley

MW-7

2I02001-03 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P2I0909	09/09/22 14:42	09/09/22 21:25	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2I0909	09/09/22 14:42	09/09/22 21:25	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2I0909	09/09/22 14:42	09/09/22 21:25	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2I0909	09/09/22 14:42	09/09/22 21:25	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2I0909	09/09/22 14:42	09/09/22 21:25	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*90.4 %*	*80-120*		*P2I0909*	*09/09/22 14:42*	*09/09/22 21:25*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*97.4 %*	*80-120*		*P2I0909*	*09/09/22 14:42*	*09/09/22 21:25*	*EPA 8021B*	
Ethane	ND	0.00100	mg/L	1	P2I1901	09/19/22 07:52	09/13/22 10:36	8015M	SUB-13
Ethene	**0.00137**	0.00100	mg/L	1	P2I1901	09/19/22 07:52	09/13/22 10:36	8015M	SUB-13
Methane	**0.00129**	0.000500	mg/L	1	P2I1901	09/19/22 07:52	09/13/22 10:36	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	ND	10.0	mg/L	1	P2I1205	09/12/22 09:29	09/12/22 15:04	8000	QAL1
Nitrate as N	**0.778**	0.200	mg/L	1	P2I0208	09/02/22 10:45	09/02/22 21:30	EPA 300.0	
Sulfate	**50.5**	1.00	mg/L	1	P2I0712	09/07/22 13:35	09/09/22 15:42	EPA 300.0	
Total Organic Carbon	ND	10.0	mg/L	1	P2I1901	09/19/22 07:52	09/14/22 17:49	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	**0.233**	0.200	mg/L	1	P2I1305	09/13/22 08:58	09/13/22 10:43	EPA 6010B	QAL1
Manganese	**0.187**	0.100	mg/L	1	P2I1305	09/13/22 08:58	09/13/22 10:43	EPA 6010B	QAL1

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	Project Manager: Curt Stanley

MW-2

2I02001-04 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P2I0909	09/09/22 14:42	09/09/22 21:46	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2I0909	09/09/22 14:42	09/09/22 21:46	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2I0909	09/09/22 14:42	09/09/22 21:46	EPA 8021B	
Xylene (p/m)	**0.00229**	0.00200	mg/L	1	P2I0909	09/09/22 14:42	09/09/22 21:46	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2I0909	09/09/22 14:42	09/09/22 21:46	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*90.2 %*	*80-120*		*P2I0909*	*09/09/22 14:42*	*09/09/22 21:46*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*94.4 %*	*80-120*		*P2I0909*	*09/09/22 14:42*	*09/09/22 21:46*	*EPA 8021B*	
Ethane	ND	0.00100	mg/L	1	P2I1901	09/19/22 07:52	09/13/22 10:48	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2I1901	09/19/22 07:52	09/13/22 10:48	8015M	SUB-13
Methane	**0.0849**	0.00250	mg/L	1	P2I1901	09/19/22 07:52	09/13/22 13:35	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	ND	10.0	mg/L	1	P2I1205	09/12/22 09:29	09/12/22 15:04	8000	QAL1
Nitrate as N	**1.22**	0.200	mg/L	1	P2I0208	09/02/22 10:45	09/02/22 21:48	EPA 300.0	
Sulfate	**40.1**	1.00	mg/L	1	P2I0712	09/07/22 13:35	09/09/22 16:00	EPA 300.0	
Total Organic Carbon	ND	10.0	mg/L	1	P2I1901	09/19/22 07:52	09/14/22 18:03	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	ND	0.200	mg/L	1	P2I1305	09/13/22 08:58	09/13/22 10:46	EPA 6010B	QAL1
Manganese	**0.204**	0.100	mg/L	1	P2I1305	09/13/22 08:58	09/13/22 10:46	EPA 6010B	QAL1

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	Project Manager: Curt Stanley

MW-1

2I02001-05 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P2I0909	09/09/22 14:42	09/09/22 22:07	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2I0909	09/09/22 14:42	09/09/22 22:07	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2I0909	09/09/22 14:42	09/09/22 22:07	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2I0909	09/09/22 14:42	09/09/22 22:07	EPA 8021B	
Xylene (o)	**0.00111**	0.00100	mg/L	1	P2I0909	09/09/22 14:42	09/09/22 22:07	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*86.5 %*	*80-120*		*P2I0909*	*09/09/22 14:42*	*09/09/22 22:07*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.4 %*	*80-120*		*P2I0909*	*09/09/22 14:42*	*09/09/22 22:07*	*EPA 8021B*	
Ethane	ND	0.00100	mg/L	1	P2I1901	09/19/22 07:52	09/13/22 10:57	8015M	SUB-13
Ethene	**0.00232**	0.00100	mg/L	1	P2I1901	09/19/22 07:52	09/13/22 10:57	8015M	SUB-13
Methane	**0.167**	0.00500	mg/L	1	P2I1901	09/19/22 07:52	09/13/22 13:48	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	**23.0**	10.0	mg/L	1	P2I1205	09/12/22 09:29	09/12/22 15:04	8000	QAL1
Nitrate as N	ND	0.200	mg/L	1	P2I0208	09/02/22 10:45	09/02/22 22:06	EPA 300.0	
Sulfate	**9.12**	1.00	mg/L	1	P2I0712	09/07/22 13:35	09/09/22 16:18	EPA 300.0	
Total Organic Carbon	ND	10.0	mg/L	1	P2I1901	09/19/22 07:52	09/13/22 18:18	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	**0.299**	0.200	mg/L	1	P2I1305	09/13/22 08:58	09/13/22 10:50	EPA 6010B	QAL1
Manganese	**1.51**	0.100	mg/L	1	P2I1305	09/13/22 08:58	09/13/22 10:50	EPA 6010B	QAL1

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	Project Manager: Curt Stanley

MW-3A

2I02001-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
Organics by GC									
Benzene	**0.00226**	0.00100	mg/L	1	P2I0909	09/09/22 14:42	09/09/22 22:28	EPA 8021B	
Toluene	**0.00109**	0.00100	mg/L	1	P2I0909	09/09/22 14:42	09/09/22 22:28	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2I0909	09/09/22 14:42	09/09/22 22:28	EPA 8021B	
Xylene (p/m)	**0.00811**	0.00200	mg/L	1	P2I0909	09/09/22 14:42	09/09/22 22:28	EPA 8021B	
Xylene (o)	**0.00253**	0.00100	mg/L	1	P2I0909	09/09/22 14:42	09/09/22 22:28	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*85.9 %*	*80-120*		*P2I0909*	*09/09/22 14:42*	*09/09/22 22:28*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*92.7 %*	*80-120*		*P2I0909*	*09/09/22 14:42*	*09/09/22 22:28*	*EPA 8021B*	
Ethane	ND	0.00100	mg/L	1	P2I1901	09/19/22 07:52	09/13/22 11:08	8015M	SUB-13
Ethene	**0.00421**	0.00100	mg/L	1	P2I1901	09/19/22 07:52	09/13/22 11:08	8015M	SUB-13
Methane	**0.492**	0.0250	mg/L	1	P2I1901	09/19/22 07:52	09/13/22 13:59	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	ND	10.0	mg/L	1	P2I1205	09/12/22 09:29	09/12/22 15:04	8000	QAL1
Nitrate as N	ND	0.200	mg/L	1	P2I0208	09/02/22 10:45	09/02/22 22:24	EPA 300.0	
Sulfate	**2.19**	1.00	mg/L	1	P2I0712	09/07/22 13:35	09/09/22 16:36	EPA 300.0	
Total Organic Carbon	ND	10.0	mg/L	1	P2I1901	09/19/22 07:52	09/14/22 18:55	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	**1.65**	0.200	mg/L	1	P2I1305	09/13/22 08:58	09/13/22 10:53	EPA 6010B	QAL1
Manganese	**1.85**	0.100	mg/L	1	P2I1305	09/13/22 08:58	09/13/22 10:53	EPA 6010B	QAL1

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	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 P2I0909 - * DEFAULT PREP *** **										
Blank (P2I0909-BLK1)				Prepared & Analyzed: 09/09/22						
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	*0.113*		*"*	*0.120*		*94.5*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.111*		*"*	*0.120*		*92.2*	*80-120*			
LCS (P2I0909-BS1)				Prepared & Analyzed: 09/09/22						
Benzene	0.0948	0.00100	mg/L	0.100		94.8	80-120			
Toluene	0.0996	0.00100	"	0.100		99.6	80-120			
Ethylbenzene	0.107	0.00100	"	0.100		107	80-120			
Xylene (p/m)	0.189	0.00200	"	0.200		94.6	80-120			
Xylene (o)	0.104	0.00100	"	0.100		104	80-120			
Surrogate: 4-Bromofluorobenzene	*0.122*		*"*	*0.120*		*101*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.120*		*"*	*0.120*		*100*	*80-120*			
Calibration Blank (P2I0909-CCB1)				Prepared & Analyzed: 09/09/22						
Benzene	0.250		ug/l							
Toluene	0.300		"							
Ethylbenzene	0.150		"							
Xylene (p/m)	0.220		"							
Xylene (o)	0.100		"							
Surrogate: 4-Bromofluorobenzene	*0.104*		*"*	*0.120*		*86.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.8*	*80-120*			
Calibration Blank (P2I0909-CCB2)				Prepared & Analyzed: 09/09/22						
Benzene	0.00		ug/l							
Toluene	0.710		"							
Ethylbenzene	0.140		"							
Xylene (p/m)	0.220		"							
Xylene (o)	0.150		"							
Surrogate: 4-Bromofluorobenzene	*0.111*		*"*	*0.120*		*92.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.1*	*80-120*			

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	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 P2I0909 - * DEFAULT PREP *** **										
Calibration Check (P2I0909-CCV1)				Prepared & Analyzed: 09/09/22						
Benzene	0.106	0.00100	mg/L	0.102		104	80-120			
Toluene	0.114	0.00100	"	0.102		112	80-120			
Ethylbenzene	0.110	0.00100	"	0.102		108	80-120			
Xylene (p/m)	0.195	0.00200	"	0.204		95.6	80-120			
Xylene (o)	0.118	0.00100	"	0.102		116	80-120			
Surrogate: 4-Bromofluorobenzene	*0.114*		*"*	*0.120*		*94.9*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.120*		*"*	*0.120*		*100*	*80-120*			
Calibration Check (P2I0909-CCV2)				Prepared & Analyzed: 09/09/22						
Benzene	0.116	0.00100	mg/L	0.102		114	80-120			
Toluene	0.112	0.00100	"	0.102		110	80-120			
Ethylbenzene	0.115	0.00100	"	0.102		112	80-120			
Xylene (p/m)	0.201	0.00200	"	0.204		98.7	80-120			
Xylene (o)	0.117	0.00100	"	0.102		114	80-120			
Surrogate: 4-Bromofluorobenzene	*0.106*		*"*	*0.120*		*88.3*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.124*		*"*	*0.120*		*104*	*80-120*			
Calibration Check (P2I0909-CCV3)				Prepared: 09/09/22 Analyzed: 09/10/22						
Benzene	0.112	0.00100	mg/L	0.102		110	80-120			
Toluene	0.115	0.00100	"	0.102		113	80-120			
Ethylbenzene	0.118	0.00100	"	0.102		115	80-120			
Xylene (p/m)	0.216	0.00200	"	0.204		106	80-120			
Xylene (o)	0.117	0.00100	"	0.102		115	80-120			
Surrogate: 4-Bromofluorobenzene	*0.112*		*"*	*0.120*		*93.1*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.120*		*"*	*0.120*		*100*	*80-120*			
Matrix Spike (P2I0909-MS1)	**Source: 2I07004-02**			Prepared: 09/09/22 Analyzed: 09/10/22						
Benzene	0.0124	0.00100	mg/L	0.100	ND	12.4	80-120			
Toluene	0.0121	0.00100	"	0.100	ND	12.1	80-120			
Ethylbenzene	0.0134	0.00100	"	0.100	ND	13.4	80-120			
Xylene (p/m)	0.0244	0.00200	"	0.200	ND	12.2	80-120			
Xylene (o)	0.0153	0.00100	"	0.100	ND	15.3	80-120			
Surrogate: 4-Bromofluorobenzene	*0.109*		*"*	*0.120*		*90.7*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.119*		*"*	*0.120*		*99.2*	*80-120*			

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	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 P2I0909 - * DEFAULT PREP *** **										
Matrix Spike Dup (P2I0909-MSD1)	**Source: 2I07004-02**			Prepared: 09/09/22 Analyzed: 09/10/22						
Benzene	0.100	0.00100	mg/L	0.100	ND	100	80-120	156	20	
Toluene	0.0966	0.00100	"	0.100	ND	96.6	80-120	155	20	
Ethylbenzene	0.107	0.00100	"	0.100	ND	107	80-120	155	20	
Xylene (p/m)	0.188	0.00200	"	0.200	ND	93.9	80-120	154	20	
Xylene (o)	0.101	0.00100	"	0.100	ND	101	80-120	147	20	
Surrogate: 4-Bromofluorobenzene	*0.119*		*"*	*0.120*		*99.5*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.123*		*"*	*0.120*		*103*	*80-120*			

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	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 P2I0208 - * DEFAULT PREP *** **										
Blank (P2I0208-BLK1)				Prepared & Analyzed: 09/02/22						
Nitrate as N	ND	0.200	mg/L							
LCS (P2I0208-BS1)				Prepared & Analyzed: 09/02/22						
Nitrate as N	1.98	0.200	mg/L	2.00		99.2	90-110			
LCS Dup (P2I0208-BSD1)				Prepared & Analyzed: 09/02/22						
Nitrate as N	1.98	0.200	mg/L	2.00		98.8	90-110	0.404	10	
Calibration Blank (P2I0208-CCB1)				Prepared & Analyzed: 09/02/22						
Nitrate as N	0.00		mg/L							
Calibration Check (P2I0208-CCV1)				Prepared & Analyzed: 09/02/22						
Nitrate as N	1.94		mg/L	2.00		97.2	90-110			
Calibration Check (P2I0208-CCV2)				Prepared & Analyzed: 09/02/22						
Nitrate as N	1.92		mg/L	2.00		96.1	90-110			
Matrix Spike (P2I0208-MS1)		**Source: 2I02001-01**		Prepared & Analyzed: 09/02/22						
Nitrate as N	2.28	0.200	mg/L	0.200	2.05	115	80-120			
Matrix Spike Dup (P2I0208-MSD1)		**Source: 2I02001-01**		Prepared & Analyzed: 09/02/22						
Nitrate as N	2.29	0.200	mg/L	0.200	2.05	118	80-120	0.219	20	
Batch P2I0712 - * DEFAULT PREP *** **										
Blank (P2I0712-BLK1)				Prepared: 09/07/22 Analyzed: 09/09/22						
Sulfate	ND	1.00	mg/L							

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	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 P2I0712 - * DEFAULT PREP *** **										
LCS (P2I0712-BS1)				Prepared: 09/07/22 Analyzed: 09/09/22						
Sulfate	19.2	1.00	mg/L	20.0		96.1	90-110			
LCS Dup (P2I0712-BSD1)				Prepared: 09/07/22 Analyzed: 09/09/22						
Sulfate	19.2	1.00	mg/L	20.0		95.9	90-110	0.187	10	
Calibration Blank (P2I0712-CCB1)				Prepared: 09/07/22 Analyzed: 09/09/22						
Sulfate	0.00		mg/L							
Calibration Check (P2I0712-CCV1)				Prepared: 09/07/22 Analyzed: 09/09/22						
Sulfate	19.4		mg/L	20.0		96.8	90-110			
Calibration Check (P2I0712-CCV2)				Prepared: 09/07/22 Analyzed: 09/09/22						
Sulfate	19.8		mg/L	20.0		98.9	90-110			
Matrix Spike (P2I0712-MS1)		**Source: 2I07004-01**		Prepared: 09/07/22 Analyzed: 09/09/22						
Sulfate	73.7	1.00	mg/L	2.00	73.8	NR	80-120			QM-05
Matrix Spike Dup (P2I0712-MSD1)		**Source: 2I07004-01**		Prepared: 09/07/22 Analyzed: 09/09/22						
Sulfate	73.6	1.00	mg/L	2.00	73.8	NR	80-120	0.0543	20	QM-05
Batch P2I1205 - * DEFAULT PREP *** **										
Blank (P2I1205-BLK1)				Prepared & Analyzed: 09/12/22						
Chemical Oxygen Demand	ND	10.0	mg/L							QAL1
Blank (P2I1205-BLK2)				Prepared & Analyzed: 09/12/22						
Chemical Oxygen Demand	ND	10.0	mg/L							QAL1

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	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 P2I1205 - * DEFAULT PREP *** **										
LCS (P2I1205-BS1)				Prepared & Analyzed: 09/12/22						
Chemical Oxygen Demand	93.0	10.0	mg/L	100		93.0	80-120			QAL1
LCS (P2I1205-BS2)				Prepared & Analyzed: 09/12/22						
Chemical Oxygen Demand	1060	10.0	mg/L	1000		106	80-120			QAL1
LCS Dup (P2I1205-BSD1)				Prepared & Analyzed: 09/12/22						
Chemical Oxygen Demand	102	10.0	mg/L	100		102	80-120	9.23	20	QAL1
LCS Dup (P2I1205-BSD2)				Prepared & Analyzed: 09/12/22						
Chemical Oxygen Demand	1100	10.0	mg/L	1000		110	80-120	3.41	20	QAL1
Duplicate (P2I1205-DUP1)	**Source: 2H25006-01**			Prepared & Analyzed: 09/12/22						
Chemical Oxygen Demand	254	10.0	mg/L		59.0			125	20	QAL1, QM-05
Duplicate (P2I1205-DUP2)	**Source: 2I07008-01**			Prepared & Analyzed: 09/12/22						
Chemical Oxygen Demand	102	10.0	mg/L		251			84.4	20	QAL1, R3
Matrix Spike (P2I1205-MS1)	**Source: 2H25006-01**			Prepared & Analyzed: 09/12/22						
Chemical Oxygen Demand	89.0	10.0	mg/L	100	59.0	30.0	80-120			QAL1, R3
Matrix Spike (P2I1205-MS2)	**Source: 2I07008-01**			Prepared & Analyzed: 09/12/22						
Chemical Oxygen Demand	1170	10.0	mg/L	1000	251	92.2	80-120			QAL1
Matrix Spike Dup (P2I1205-MSD1)	**Source: 2H25006-01**			Prepared & Analyzed: 09/12/22						
Chemical Oxygen Demand	1150	10.0	mg/L	100	59.0	NR	80-120	171	20	QAL1, R3
Matrix Spike Dup (P2I1205-MSD2)	**Source: 2I07008-01**			Prepared & Analyzed: 09/12/22						
Chemical Oxygen Demand	146	10.0	mg/L	1000	251	NR	80-120	156	20	QAL1, R3

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	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 P2I1305 - * DEFAULT PREP *** **										
Blank (P2I1305-BLK1)				Prepared & Analyzed: 09/13/22						
Manganese	ND	0.100	mg/L							QAL1
Iron	ND	0.200	"							QAL1
LCS (P2I1305-BS1)				Prepared & Analyzed: 09/13/22						
Manganese	0.183	0.100	mg/L	0.200		91.5	80-120			QAL1
Iron	0.431	0.200	"	0.400		108	80-120			QAL1
LCS Dup (P2I1305-BSD1)				Prepared & Analyzed: 09/13/22						
Iron	0.423	0.200	mg/L	0.400		106	80-120	1.78	20	QAL1
Manganese	0.183	0.100	"	0.200		91.5	80-120	0.00595	20	QAL1
Calibration Blank (P2I1305-CCB1)				Prepared & Analyzed: 09/13/22						
Manganese	-0.0353		mg/L							QAL1
Iron	0.00269		"							QAL1
Calibration Blank (P2I1305-CCB2)				Prepared & Analyzed: 09/13/22						
Manganese	-0.0360		mg/L							QAL1
Iron	0.00305		"							QAL1
Calibration Blank (P2I1305-CCB3)				Prepared & Analyzed: 09/13/22						
Manganese	-0.0359		mg/L							QAL1
Iron	0.000654		"							QAL1
Calibration Check (P2I1305-CCV1)				Prepared & Analyzed: 09/13/22						
Manganese	0.214	0.100	mg/L	0.200		107	80-120			QAL1
Iron	0.434	0.200	"	0.400		109	80-120			QAL1
Calibration Check (P2I1305-CCV2)				Prepared & Analyzed: 09/13/22						
Manganese	0.193	0.100	mg/L	0.200		96.5	80-120			QAL1
Iron	0.410	0.200	"	0.400		103	80-120			QAL1

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	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 P2I1305 - * DEFAULT PREP *** **										
Calibration Check (P2I1305-CCV3)				Prepared & Analyzed: 09/13/22						
Manganese	0.192	0.100	mg/L	0.200		96.2	80-120			QAL1
Iron	0.421	0.200	"	0.400		105	80-120			QAL1
Matrix Spike (P2I1305-MS1)		**Source: 2I02001-01**		Prepared & Analyzed: 09/13/22						
Iron	0.444	0.200	mg/L	0.400	0.0222	105	75-125			QAL1
Manganese	0.428	0.100	"	0.200	0.209	110	75-125			QAL1
Matrix Spike Dup (P2I1305-MSD1)		**Source: 2I02001-01**		Prepared & Analyzed: 09/13/22						
Iron	0.448	0.200	mg/L	0.400	0.0222	106	75-125	1.00	20	QAL1
Manganese	0.428	0.100	"	0.200	0.209	110	75-125	0.00390	20	QAL1

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	Project Manager: Curt Stanley

Notes and Definitions

SUB-13	Subcontract of analyte/analysis to ALS Houston.
ROI	Received on Ice
R3	The RPD exceeded the acceptance limit due to sample matrix effects.
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
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: Brent Barron Date: 9/27/2022

Brent Barron, Laboratory Director/Technical Director

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	Project Manager: Curt Stanley

MNA

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-661-4184

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
Fax No:
Sampler Signature: Manuel Ferrer
e-mail: cdstanley@trccompanies.com, cjbryant@paalp.com, khudgens@paalp.com

Project Name: Monument 10
Project #: TNM Monument 10
Project Loc: Lea County, New Mexico
PO #:
Report Format: ☐ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: 2202001

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO3 (1-250mL)	HCl (6 VOA + 1-250 mL)	H2SO4 (1-250 mL)	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: 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
01	MW-4			9-1-22	1125	1	9	X	1	7	1					GW	X	X	X	X	X	X		X
02	MW-6				1205	1	9	X	1	7	1					GW	X	X	X	X	X	X		X
03	MW-7				1250	1	9	X	1	7	1					GW	X	X	X	X	X	X		X
04	MW-2				1340	1	9	X	1	7	1					GW	X	X	X	X	X	X		X
05	MW-1				1435	1	9	X	1	7	1					GW	X	X	X	X	X	X		X
06	MW-3A				1515	1	9	X	1	7	1					GW	X	X	X	X	X	X		X

TCLP:
TOTAL: X

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
Manny	9-2-22	8 30			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL: Ann Haddock	9/2/22	843

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?		N
Labels on container(s)	Y	N
Custody seals on container(s)		N
Custody seals on cooler(s)		N
Sample Hand Delivered by Sampler/Client Rep. ?	Y	N
by Courier? UPS DHL FedEx Lone Star		

Temperature Upon Receipt:
Received: 9.0 °C
Adjusted: 5.0 °C Factor 4 4

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-661-4184

Project Manager: Brent Barron
Company Name: PBEL
Company Address: 1400 RANKIN HWY
City/State/Zip: Midland Texas
Telephone No: 432-661-4184
Fax No:
Sampler Signature: N/A
e-mail: brentbarron@pbelab.com

Project Name: SUBCONTRACT
Project #:
Project Loc:
PO #:
Report Format: X Standard TRRP NPDES

(lab use only)
ORDER #:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO_3 250 ml Poly	HCl - 40mL VOA	H_2SO_4	NaOH	$Na_2S_2O_3$	None 1L Poly	NaOH/ZnAc	Matrix: DW=Drinking Water SL=Sludge / GW = Groundwater S=Soil/Solid / NP=Non-Potable Specify Other	Analyze For: TCLP:	Analyze For: TOTAL: RSK-175	TOC	STD TAT
	2I02001-01			09/01/22	11:25		4	X		3	1					W		X	X	X
	2I02001-02			09/01/22	12:05		4	X		3	1					W		X	X	X
	2I02001-03			09/01/22	12:50		4	X		3	1					W		X	X	X
	2I02001-04			09/01/22	13:40		4	X		3	1					W		X	X	X
	2I02001-05			09/01/22	14:35		4	X		3	1					W		X	X	X
	2I02001-06			09/01/22	15:15		4	X		3	1					W		X	X	X

Relinquished by: Brent Barron	Date 6-Sep-22	Time 13:00:00 PM		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? UPS DHL FedEx Lone Star		

Temperature Upon Receipt:
Received: °C
Adjusted: °C Factor

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

PBELAB

Analytical Report

Prepared for:

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

Project: Monument 10_MNA
Project Number: TNM Monument-10
Location: Lea County, NM

Lab Order Number: 2K04010

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 11/17/22

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	Project Manager: Curt Stanley

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-4	2K04010-01	Water	11/03/22 11:50	11-04-2022 09:20
MW-6	2K04010-02	Water	11/03/22 12:35	11-04-2022 09:20
MW-7	2K04010-03	Water	11/03/22 13:10	11-04-2022 09:20
MW-2	2K04010-04	Water	11/03/22 13:55	11-04-2022 09:20
MW-1	2K04010-05	Water	11/03/22 14:50	11-04-2022 09:20
MW-3A	2K04010-06	Water	11/03/22 15:45	11-04-2022 09:20

Low Level PAH, 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	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	Project Manager: Curt Stanley

MW-4

2K04010-01 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 13:56	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 13:56	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 13:56	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 13:56	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 13:56	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*100 %*	*80-120*		*P2K1103*	*11/11/22 09:15*	*11/11/22 13:56*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*87.7 %*	*80-120*		*P2K1103*	*11/11/22 09:15*	*11/11/22 13:56*	*EPA 8021B*	
Ethane	ND	0.00100	mg/L	1	P2K1706	11/10/22 13:11	11/10/22 13:11	8015M	SUB-13
Ethene	**0.00122**	0.00100	mg/L	1	P2K1706	11/10/22 13:11	11/10/22 13:11	8015M	SUB-13
Methane	**0.00112**	0.000500	mg/L	1	P2K1706	11/10/22 13:11	11/10/22 13:11	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	**14.0**	3.00	mg/L	1	P2K1408	11/14/22 12:41	11/14/22 16:26	8000	
Nitrate as N	**2.20**	0.200	mg/L	1	P2K0410	11/04/22 17:23	11/08/22 13:31	EPA 300.0	
Sulfate	**85.9**	1.00	mg/L	1	P2K0410	11/04/22 17:23	11/08/22 13:31	EPA 300.0	
Total Organic Carbon	**5.20**	1.00	mg/L	1	P2K1706	11/10/22 13:11	11/15/22 12:22	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	ND	0.200	mg/L	1	P2K1106	11/11/22 10:05	11/11/22 11:35	EPA 6010B	QAL1
Manganese	**0.418**	0.100	mg/L	1	P2K1106	11/11/22 10:05	11/11/22 11:35	EPA 6010B	QAL1

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	Project Manager: Curt Stanley

MW-6

2K04010-02 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 14:17	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 14:17	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 14:17	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 14:17	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 14:17	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*110 %*	*80-120*		*P2K1103*	*11/11/22 09:15*	*11/11/22 14:17*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*90.0 %*	*80-120*		*P2K1103*	*11/11/22 09:15*	*11/11/22 14:17*	*EPA 8021B*	
Ethane	ND	0.00100	mg/L	1	P2K1706	11/10/22 13:11	11/10/22 13:25	8015M	SUB-13
Ethene	**0.00114**	0.00100	mg/L	1	P2K1706	11/10/22 13:11	11/10/22 13:25	8015M	SUB-13
Methane	**0.00164**	0.000500	mg/L	1	P2K1706	11/10/22 13:11	11/10/22 13:25	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	**13.0**	3.00	mg/L	1	P2K1408	11/14/22 12:41	11/14/22 16:26	8000	
Nitrate as N	**0.658**	0.200	mg/L	1	P2K0410	11/04/22 17:23	11/08/22 14:58	EPA 300.0	
Sulfate	**30.7**	1.00	mg/L	1	P2K0410	11/04/22 17:23	11/08/22 14:58	EPA 300.0	
Total Organic Carbon	**5.79**	1.00	mg/L	1	P2K1706	11/10/22 13:11	11/15/22 12:35	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	ND	0.200	mg/L	1	P2K1106	11/11/22 10:05	11/11/22 11:38	EPA 6010B	QAL1
Manganese	**0.193**	0.100	mg/L	1	P2K1106	11/11/22 10:05	11/11/22 11:38	EPA 6010B	QAL1

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	Project Manager: Curt Stanley

MW-7

2K04010-03 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 14:39	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 14:39	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 14:39	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 14:39	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 14:39	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*105 %*	*80-120*		*P2K1103*	*11/11/22 09:15*	*11/11/22 14:39*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*86.1 %*	*80-120*		*P2K1103*	*11/11/22 09:15*	*11/11/22 14:39*	*EPA 8021B*	
Ethane	ND	0.00100	mg/L	1	P2K1706	11/10/22 13:11	11/10/22 13:49	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2K1706	11/10/22 13:11	11/10/22 13:49	8015M	SUB-13
Methane	**0.00322**	0.000500	mg/L	1	P2K1706	11/10/22 13:11	11/10/22 13:49	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	**9.00**	3.00	mg/L	1	P2K1408	11/14/22 12:41	11/14/22 16:26	8000	
Nitrate as N	**0.732**	0.200	mg/L	1	P2K0410	11/04/22 17:23	11/08/22 15:27	EPA 300.0	
Sulfate	**53.1**	1.00	mg/L	1	P2K0410	11/04/22 17:23	11/08/22 15:27	EPA 300.0	
Total Organic Carbon	**5.08**	1.00	mg/L	1	P2K1706	11/10/22 13:11	11/15/22 12:48	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	ND	0.200	mg/L	1	P2K1106	11/11/22 10:05	11/11/22 11:41	EPA 6010B	QAL1
Manganese	**0.126**	0.100	mg/L	1	P2K1106	11/11/22 10:05	11/11/22 11:41	EPA 6010B	QAL1

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	Project Manager: Curt Stanley

MW-2

2K04010-04 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 15:00	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 15:00	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 15:00	EPA 8021B	
Xylene (p/m)	**0.00211**	0.00200	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 15:00	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 15:00	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*97.9 %*	*80-120*		*P2K1103*	*11/11/22 09:15*	*11/11/22 15:00*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*80.2 %*	*80-120*		*P2K1103*	*11/11/22 09:15*	*11/11/22 15:00*	*EPA 8021B*	
Ethane	ND	0.00100	mg/L	1	P2K1706	11/10/22 13:11	11/10/22 14:01	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2K1706	11/10/22 13:11	11/10/22 14:01	8015M	SUB-13
Methane	**0.152**	0.000500	mg/L	10	P2K1706	11/10/22 13:11	11/10/22 14:27	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	**77.0**	3.00	mg/L	1	P2K1408	11/14/22 12:41	11/14/22 16:26	8000	
Nitrate as N	**0.758**	0.200	mg/L	1	P2K0410	11/04/22 17:23	11/08/22 15:56	EPA 300.0	
Sulfate	**41.0**	1.00	mg/L	1	P2K0410	11/04/22 17:23	11/08/22 15:56	EPA 300.0	
Total Organic Carbon	**2.39**	1.00	mg/L	1	P2K1706	11/10/22 13:11	11/15/22 13:01	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	ND	0.200	mg/L	1	P2K1106	11/11/22 10:05	11/11/22 11:44	EPA 6010B	QAL1
Manganese	**0.104**	0.100	mg/L	1	P2K1106	11/11/22 10:05	11/11/22 11:44	EPA 6010B	QAL1

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	Project Manager: Curt Stanley

MW-1

2K04010-05 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 15:22	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 15:22	EPA 8021B	
Ethylbenzene	**0.00191**	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 15:22	EPA 8021B	
Xylene (p/m)	**0.00562**	0.00200	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 15:22	EPA 8021B	
Xylene (o)	**0.00266**	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 15:22	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*108 %*	*80-120*		*P2K1103*	*11/11/22 09:15*	*11/11/22 15:22*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*83.5 %*	*80-120*		*P2K1103*	*11/11/22 09:15*	*11/11/22 15:22*	*EPA 8021B*	
Ethane	ND	0.00100	mg/L	1	P2K1706	11/10/22 13:11	11/10/22 14:09	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2K1706	11/10/22 13:11	11/10/22 14:09	8015M	SUB-13
Methane	**0.169**	0.00500	mg/L	10	P2K1706	11/10/22 13:11	11/10/22 14:39	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	**6.00**	3.00	mg/L	1	P2K1408	11/14/22 12:41	11/14/22 16:26	8000	
Nitrate as N	ND	0.200	mg/L	1	P2K0410	11/04/22 17:23	11/08/22 16:25	EPA 300.0	
Sulfate	**13.8**	1.00	mg/L	1	P2K0410	11/04/22 17:23	11/08/22 16:25	EPA 300.0	
Total Organic Carbon	**17.6**	1.00	mg/L	1	P2K1706	11/10/22 13:11	11/15/22 13:15	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	ND	0.200	mg/L	1	P2K1106	11/11/22 10:05	11/11/22 11:48	EPA 6010B	QAL1
Manganese	**1.47**	0.100	mg/L	1	P2K1106	11/11/22 10:05	11/11/22 11:48	EPA 6010B	QAL1

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	Project Manager: Curt Stanley

MW-3A

2K04010-06 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	**0.00338**	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 16:26	EPA 8021B	
Toluene	**0.00207**	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 16:26	EPA 8021B	
Ethylbenzene	**0.00140**	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 16:26	EPA 8021B	
Xylene (p/m)	**0.0135**	0.00200	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 16:26	EPA 8021B	
Xylene (o)	**0.00349**	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 16:26	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*100 %*	*80-120*		*P2K1103*	*11/11/22 09:15*	*11/11/22 16:26*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*78.7 %*	*80-120*		*P2K1103*	*11/11/22 09:15*	*11/11/22 16:26*	*EPA 8021B*	*S-GC*
Ethane	**0.00162**	0.00100	mg/L	1	P2K1706	11/10/22 13:11	11/10/22 14:17	8015M	SUB-13
Ethene	**0.00426**	0.00100	mg/L	1	P2K1706	11/10/22 13:11	11/10/22 14:17	8015M	SUB-13
Methane	**0.957**	0.0250	mg/L	50	P2K1706	11/10/22 13:11	11/10/22 14:56	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	**59.0**	3.00	mg/L	1	P2K1408	11/14/22 12:41	11/14/22 16:26	8000	
Nitrate as N	ND	0.200	mg/L	1	P2K0410	11/04/22 17:23	11/08/22 16:54	EPA 300.0	
Sulfate	**1.18**	1.00	mg/L	1	P2K0410	11/04/22 17:23	11/08/22 16:54	EPA 300.0	
Total Organic Carbon	**7.60**	1.00	mg/L	1	P2K1706	11/10/22 13:11	11/15/22 13:29	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	**1.05**	0.200	mg/L	1	P2K1106	11/11/22 10:05	11/11/22 11:51	EPA 6010B	QAL1
Manganese	**1.59**	0.100	mg/L	1	P2K1106	11/11/22 10:05	11/11/22 11:51	EPA 6010B	QAL1
PAH compounds by Semivolatile GCMS									
1-Methylnaphthalene	**0.046**	0.0011	mg/L	10	P2K1705	11/09/22 09:00	11/14/22 12:34	8270C	SUB-13
2-Methylnaphthalene	**0.032**	0.0011	mg/L	10	P2K1705	11/09/22 09:00	11/14/22 12:34	8270C	SUB-13
Acenaphthene	**0.00067**	0.00011	mg/L	1	P2K1705	11/09/22 09:00	11/10/22 14:13	8270C	SUB-13
Acenaphthylene	**0.0013**	0.0011	mg/L	1	P2K1705	11/09/22 09:00	11/10/22 14:13	8270C	SUB-13
Anthracene	ND	0.0011	mg/L	1	P2K1705	11/09/22 09:00	11/10/22 14:13	8270C	SUB-13
Benzo (a) anthracene	ND	0.0011	mg/L	1	P2K1705	11/09/22 09:00	11/10/22 14:13	8270C	SUB-13
Benzo (a) pyrene	ND	0.0011	mg/L	1	P2K1705	11/09/22 09:00	11/10/22 14:13	8270C	SUB-13
Benzo (b) fluoranthene	ND	0.0011	mg/L	1	P2K1705	11/09/22 09:00	11/10/22 14:13	8270C	SUB-13
Benzo (g,h,i) perylene	ND	0.0011	mg/L	1	P2K1705	11/09/22 09:00	11/10/22 14:13	8270C	SUB-13
Benzo (k) fluoranthene	ND	0.0011	mg/L	1	P2K1705	11/09/22 09:00	11/10/22 14:13	8270C	SUB-13
Chrysene	ND	0.0011	mg/L	1	P2K1705	11/09/22 09:00	11/10/22 14:13	8270C	SUB-13
Dibenzo (a,h) anthracene	ND	0.0011	mg/L	1	P2K1705	11/09/22 09:00	11/10/22 14:13	8270C	SUB-13
Dibenzofuran	ND	0.0011	mg/L	1	P2K1705	11/09/22 09:00	11/10/22 14:13	8270C	SUB-13
Fluoranthene	**0.0070**	0.0011	mg/L	1	P2K1705	11/09/22 09:00	11/10/22 14:13	8270C	SUB-13
Fluorene	ND	0.0011	mg/L	1	P2K1705	11/09/22 09:00	11/10/22 14:13	8270C	SUB-13
Indeno (1,2,3-cd) pyrene	**0.0093**	0.0011	mg/L	1	P2K1705	11/09/22 09:00	11/10/22 14:13	8270C	SUB-13
Naphthalene	**0.011**	0.0011	mg/L	10	P2K1705	11/09/22 09:00	11/10/22 14:13	8270C	SUB-13
Phenanthrene	ND	0.0011	mg/L	1	P2K1705	11/09/22 09:00	11/14/22 12:34	8270C	SUB-13
Pyrene	ND	0.00011	mg/L	1	P2K1705	11/09/22 09:00	11/10/22 14:13	8270C	SUB-13

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
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Midland TX, 79705	Project Manager: Curt Stanley

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Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2K1103 - * DEFAULT PREP *** **										
Blank (P2K1103-BLK1)				Prepared & Analyzed: 11/11/22						
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	*0.123*		*"*	*0.120*		*103*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.106*		*"*	*0.120*		*88.1*	*80-120*			
LCS (P2K1103-BS1)				Prepared & Analyzed: 11/11/22						
Benzene	0.0949	0.00100	mg/L	0.100		94.9	80-120			
Toluene	0.0972	0.00100	"	0.100		97.2	80-120			
Ethylbenzene	0.110	0.00100	"	0.100		110	80-120			
Xylene (p/m)	0.213	0.00200	"	0.200		107	80-120			
Xylene (o)	0.0909	0.00100	"	0.100		90.9	80-120			
Surrogate: 4-Bromofluorobenzene	*0.131*		*"*	*0.120*		*109*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.110*		*"*	*0.120*		*91.3*	*80-120*			
LCS Dup (P2K1103-BSD1)				Prepared & Analyzed: 11/11/22						
Benzene	0.103	0.00100	mg/L	0.100		103	80-120	8.57	20	
Toluene	0.104	0.00100	"	0.100		104	80-120	7.07	20	
Ethylbenzene	0.118	0.00100	"	0.100		118	80-120	6.35	20	
Xylene (p/m)	0.224	0.00200	"	0.200		112	80-120	4.98	20	
Xylene (o)	0.0961	0.00100	"	0.100		96.1	80-120	5.50	20	
Surrogate: 4-Bromofluorobenzene	*0.125*		*"*	*0.120*		*104*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.109*		*"*	*0.120*		*90.8*	*80-120*			
Calibration Blank (P2K1103-CCB1)				Prepared & Analyzed: 11/11/22						
Benzene	0.110		ug/l							
Toluene	0.230		"							
Ethylbenzene	0.460		"							
Xylene (p/m)	1.01		"							
Xylene (o)	0.530		"							
Surrogate: 4-Bromofluorobenzene	*0.121*		*"*	*0.120*		*101*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.102*		*"*	*0.120*		*85.4*	*80-120*			

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
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Midland TX, 79705	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 P2K1103 - * DEFAULT PREP *** **										
Calibration Blank (P2K1103-CCB2)				Prepared & Analyzed: 11/11/22						
Benzene	0.0400		ug/l							
Toluene	0.370		"							
Ethylbenzene	0.420		"							
Xylene (p/m)	1.02		"							
Xylene (o)	0.520		"							
Surrogate: 4-Bromofluorobenzene	*0.125*		*"*	*0.120*		*104*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.105*		*"*	*0.120*		*87.9*	*80-120*			
Calibration Check (P2K1103-CCV1)				Prepared & Analyzed: 11/11/22						
Benzene	0.108	0.00100	mg/L	0.100		108	80-120			
Toluene	0.113	0.00100	"	0.100		113	80-120			
Ethylbenzene	0.118	0.00100	"	0.100		118	80-120			
Xylene (p/m)	0.235	0.00200	"	0.200		117	80-120			
Xylene (o)	0.102	0.00100	"	0.100		102	80-120			
Surrogate: 4-Bromofluorobenzene	*0.129*		*"*	*0.120*		*108*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.109*		*"*	*0.120*		*91.2*	*80-120*			
Calibration Check (P2K1103-CCV2)				Prepared & Analyzed: 11/11/22						
Benzene	0.107	0.00100	mg/L	0.100		107	80-120			
Toluene	0.104	0.00100	"	0.100		104	80-120			
Ethylbenzene	0.105	0.00100	"	0.100		105	80-120			
Xylene (p/m)	0.213	0.00200	"	0.200		106	80-120			
Xylene (o)	0.0919	0.00100	"	0.100		91.9	80-120			
Surrogate: 4-Bromofluorobenzene	*0.124*		*"*	*0.120*		*104*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.109*		*"*	*0.120*		*90.8*	*80-120*			
Calibration Check (P2K1103-CCV3)				Prepared & Analyzed: 11/11/22						
Benzene	0.108	0.00100	mg/L	0.100		108	80-120			
Toluene	0.105	0.00100	"	0.100		105	80-120			
Ethylbenzene	0.107	0.00100	"	0.100		107	80-120			
Xylene (p/m)	0.218	0.00200	"	0.200		109	80-120			
Xylene (o)	0.0958	0.00100	"	0.100		95.8	80-120			
Surrogate: 4-Bromofluorobenzene	*0.129*		*"*	*0.120*		*107*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.109*		*"*	*0.120*		*90.5*	*80-120*			

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	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 P2K1103 - * DEFAULT PREP *** **										
Matrix Spike (P2K1103-MS1)	**Source: 2K04009-01**			Prepared & Analyzed: 11/11/22						
Benzene	0.0999	0.00100	mg/L	0.100	ND	99.9	80-120			
Toluene	0.101	0.00100	"	0.100	ND	101	80-120			
Ethylbenzene	0.113	0.00100	"	0.100	ND	113	80-120			
Xylene (p/m)	0.217	0.00200	"	0.200	ND	109	80-120			
Xylene (o)	0.0923	0.00100	"	0.100	ND	92.3	80-120			
Surrogate: 4-Bromofluorobenzene	*0.135*		*"*	*0.120*		*113*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.111*		*"*	*0.120*		*92.7*	*80-120*			
Matrix Spike Dup (P2K1103-MSD1)	**Source: 2K04009-01**			Prepared & Analyzed: 11/11/22						
Benzene	0.0976	0.00100	mg/L	0.100	ND	97.6	80-120	2.34	20	
Toluene	0.0972	0.00100	"	0.100	ND	97.2	80-120	4.05	20	
Ethylbenzene	0.111	0.00100	"	0.100	ND	111	80-120	2.52	20	
Xylene (p/m)	0.212	0.00200	"	0.200	ND	106	80-120	2.44	20	
Xylene (o)	0.0904	0.00100	"	0.100	ND	90.4	80-120	2.09	20	
Surrogate: 4-Bromofluorobenzene	*0.131*		*"*	*0.120*		*109*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.110*		*"*	*0.120*		*91.3*	*80-120*			

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
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Midland TX, 79705	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 P2K0410 - * DEFAULT PREP *** **										
Blank (P2K0410-BLK1)				Prepared: 11/04/22 Analyzed: 11/08/22						
Nitrate as N	ND	0.200	mg/L							
Sulfate	ND	1.00	"							
LCS (P2K0410-BS1)				Prepared: 11/04/22 Analyzed: 11/08/22						
Sulfate	19.2		mg/L	20.0		95.9	90-110			
Nitrate as N	1.88		"	2.00		93.8	90-110			
LCS Dup (P2K0410-BSD1)				Prepared: 11/04/22 Analyzed: 11/08/22						
Nitrate as N	1.87		mg/L	2.00		93.6	90-110	0.267	10	
Sulfate	19.2		"	20.0		95.8	90-110	0.0574	10	
Calibration Blank (P2K0410-CCB1)				Prepared: 11/04/22 Analyzed: 11/08/22						
Nitrate as N	0.00		mg/L							
Sulfate	0.00		"							
Calibration Check (P2K0410-CCV1)				Prepared: 11/04/22 Analyzed: 11/08/22						
Sulfate	19.4		mg/L	20.0		97.2	90-110			
Nitrate as N	1.82		"	2.00		90.8	90-110			
Calibration Check (P2K0410-CCV2)				Prepared: 11/04/22 Analyzed: 11/08/22						
Nitrate as N	1.83		mg/L	2.00		91.4	90-110			
Sulfate	19.5		"	20.0		97.7	90-110			
Matrix Spike (P2K0410-MS1)		**Source: 2K04010-01**		Prepared: 11/04/22 Analyzed: 11/08/22						
Nitrate as N	2.13	0.200	mg/L	0.200	2.20	NR	80-120			
Sulfate	81.8	1.00	"	2.00	85.9	NR	80-120			
Matrix Spike Dup (P2K0410-MSD1)		**Source: 2K04010-01**		Prepared: 11/04/22 Analyzed: 11/08/22						
Sulfate	81.8	1.00	mg/L	2.00	85.9	NR	80-120	0.0269	20	
Nitrate as N	2.13	0.200	"	0.200	2.20	NR	80-120	0.0470	20	

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10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	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 P2K1408 - * DEFAULT PREP *** **										
Blank (P2K1408-BLK1)				Prepared & Analyzed: 11/14/22						
Chemical Oxygen Demand	ND	3.00	mg/L							
LCS (P2K1408-BS1)				Prepared & Analyzed: 11/14/22						
Chemical Oxygen Demand	95.0	3.00	mg/L	100		95.0	80-120			
LCS Dup (P2K1408-BSD1)				Prepared & Analyzed: 11/14/22						
Chemical Oxygen Demand	103	3.00	mg/L	100		103	80-120	8.08	20	
Calibration Blank (P2K1408-CCB1)				Prepared & Analyzed: 11/14/22						
Chemical Oxygen Demand	0.00		mg/L							
Calibration Blank (P2K1408-CCB2)				Prepared & Analyzed: 11/14/22						
Chemical Oxygen Demand	0.00		mg/L							
Calibration Check (P2K1408-CCV1)				Prepared & Analyzed: 11/14/22						
Chemical Oxygen Demand	97.0	3.00	mg/L				80-120			
Calibration Check (P2K1408-CCV2)				Prepared & Analyzed: 11/14/22						
Chemical Oxygen Demand	97.0	3.00	mg/L				80-120			
Calibration Check (P2K1408-CCV3)				Prepared & Analyzed: 11/14/22						
Chemical Oxygen Demand	ND	3.00	mg/L				80-120			
Duplicate (P2K1408-DUP1)		**Source: 2K04010-01**		Prepared & Analyzed: 11/14/22						
Chemical Oxygen Demand	14.0	3.00	mg/L		14.0			0.00	20	
Duplicate (P2K1408-DUP2)		**Source: 2K11010-02**		Prepared & Analyzed: 11/14/22						
Chemical Oxygen Demand	ND	3.00	mg/L		64.0				20	

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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 P2K1408 - * DEFAULT PREP *** **										
Matrix Spike (P2K1408-MS1)	**Source: 2K04010-01**			Prepared & Analyzed: 11/14/22						
Chemical Oxygen Demand	117	3.00	mg/L	100	14.0	103	80-120			
Matrix Spike (P2K1408-MS2)	**Source: 2K11010-02**			Prepared & Analyzed: 11/14/22						
Chemical Oxygen Demand	ND	3.00	mg/L	100	64.0	NR	80-120			
Matrix Spike Dup (P2K1408-MSD1)	**Source: 2K04010-01**			Prepared & Analyzed: 11/14/22						
Chemical Oxygen Demand	120	3.00	mg/L	100	14.0	106	80-120	2.53	20	
Matrix Spike Dup (P2K1408-MSD2)	**Source: 2K11010-02**			Prepared & Analyzed: 11/14/22						
Chemical Oxygen Demand	ND	3.00	mg/L	100	64.0	NR	80-120		20	

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
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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 P2K1106 - * DEFAULT PREP *** **										
Blank (P2K1106-BLK1)				Prepared & Analyzed: 11/11/22						
Manganese	0.000219	0.100	mg/L							J, QAL1
Iron	ND	0.200	"							QAL1
LCS (P2K1106-BS1)				Prepared & Analyzed: 11/11/22						
Manganese	0.205	0.100	mg/L	0.200		102	80-120			QAL1
Iron	0.411	0.200	"	0.400		103	80-120			QAL1
LCS Dup (P2K1106-BSD1)				Prepared & Analyzed: 11/11/22						
Manganese	0.209	0.100	mg/L	0.200		105	80-120	2.11	20	QAL1
Iron	0.425	0.200	"	0.400		106	80-120	3.35	20	QAL1
Calibration Blank (P2K1106-CCB1)				Prepared & Analyzed: 11/11/22						
Iron	0.00500		mg/L							QAL1
Manganese	0.000410		"							J, QAL1
Calibration Blank (P2K1106-CCB2)				Prepared & Analyzed: 11/11/22						
Iron	0.00410		mg/L							QAL1
Manganese	0.000226		"							J, QAL1
Calibration Blank (P2K1106-CCB3)				Prepared & Analyzed: 11/11/22						
Manganese	0.000391		mg/L							J, QAL1
Iron	0.00753		"							QAL1
Calibration Check (P2K1106-CCV1)				Prepared & Analyzed: 11/11/22						
Manganese	0.212	0.100	mg/L	0.200		106	80-120			QAL1
Iron	0.402	0.200	"	0.400		101	80-120			QAL1
Calibration Check (P2K1106-CCV2)				Prepared & Analyzed: 11/11/22						
Manganese	0.193	0.100	mg/L	0.200		96.4	80-120			QAL1
Iron	0.397	0.200	"	0.400		99.3	80-120			QAL1

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	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 P2K1106 - * DEFAULT PREP *** **										
Calibration Check (P2K1106-CCV3)				Prepared & Analyzed: 11/11/22						
Manganese	0.191	0.100	mg/L	0.200		95.5	80-120			QAL1
Iron	0.421	0.200	"	0.400		105	80-120			QAL1
Matrix Spike (P2K1106-MS1)		**Source: 2K04010-01**		Prepared & Analyzed: 11/11/22						
Manganese	0.566	0.100	mg/L	0.200	0.418	74.1	75-125			QAL1, QM-05
Iron	0.455	0.200	"	0.400	0.0357	105	75-125			QAL1
Matrix Spike Dup (P2K1106-MSD1)		**Source: 2K04010-01**		Prepared & Analyzed: 11/11/22						
Iron	0.479	0.200	mg/L	0.400	0.0357	111	75-125	5.06	20	QAL1
Manganese	0.582	0.100	"	0.200	0.418	82.1	75-125	2.79	20	QAL1

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	Project Manager: Curt Stanley

Notes and Definitions

SUB-13	Subcontract of analyte/analysis to ALS Houston.
S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
ROI	Received on Ice
QM-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: Brent Barron Date: 11/17/2022

Brent Barron, Laboratory Director/Technical Director

TRC Solutions- Midland, Texas	Project: Monument 10_MNA
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	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.

TB

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-661-4184

Project Manager: Curt Stanley

Company Name: TRC Environmental Corporation

Company Address: 10 Desta Drive, Ste 130E

City/State/Zip: Midland/TX/79705

Telephone No: (432)5207720 Fax No:

Sampler Signature:

e-mail: cdstanley@trccompanies.com; cjbryant@paalp.com; khudgens@paalp.com

Project Name: Monument 10

Project #: SRS TNM Monument 10

Project Loc: Lea County, NM

PO #:

Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: 22C04010

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: Ice	HNO_3 (1-250mL)	HCl (6 VOA + 1-250 mL)	H_2SO_4 (1-250 mL)	NaOH	$Na_2S_2O_3$	None (3 Amber VOA)	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: / TOTAL: TOC MW 5310	Dissolved Methane, Ethane, and Ethene by RSK-175	Total Dissolved Metals (Fe amd 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
1	MW-4			11-3-22	1150	1	9	X	1	7	1					GW	X	X	X	X	X	X										X
2	MW-6				1235	1	9	X	1	7	1					GW	X	X	X	X	X	X										X
3	MW-7				1310	1	9	X	1	7	1					GW	X	X	X	X	X	X										X
4	MW-2				1355	1	9	X	1	7	1					GW	X	X	X	X	X	X										X
5	MW-1				1450	1	9	X	1	7	1					GW	X	X	X	X	X	X										X
6	MW-3A				1545	1	12	X	1	7	1					GW	X	X	X	X	X	X	X									X

Special Instructions:
Bill to Plains

Relinquished by:	Date	Time	Received by:	Date	Time
Manny	11-4	920			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	Date	Time
				11/4/22	9:20

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: 4.2 °C CF -1
Adjusted: 5.8 °C Factor

PBELAB

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: X Standard ☐ TRRP ☐ NPDES

Sampler Signature: N/A e-mail: brentbarron@pbelab.com

(lab use only)
ORDER #:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: ICE	HNO_3 250 poly 1	HCl 3 40mL VOA	H_2SO_4 1 AMBER 500/250POLY	NaOH /Ascorbic Acid 250ML P	$Na_2S_2O_3$	NONE	NONE 3 AMBER VOAA VIALS	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: RSK SOP-175	TOC-415-1	8270C PAH LL	72 HOUR	STANDARD
	2K04010-01			11/3/2022	11:50		4	X		X	X					W	X	X			X
	2K04010-02			11/3/2022	12:35		4	X		X	X					W	X	X			X
	2K04010-03			11/3/2022	13:10		4	X		X	X					W	X	X			X
	2K04010-04			11/3/2022	13:55		4	X		X	X					W	X	X			X
	2K04010-05			11/3/2022	14:50		4	X		X	X					W	X	X			X
	2K04010-06			11/3/2022	15:45		7	X		X	X				X	W	X	X	X		X

SPECIAL INSTRUCTIONS:

Relinquished by:	Date	Time	Received by:	Date	Time
Brent Barron					
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: °C		
Adjusted: °C Factor		

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

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

November 15, 2022

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

Work Order: **HS22110426**

Laboratory Results for: **2K04010**

Dear Brent Barron,

ALS Environmental received 6 sample(s) on Nov 08, 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: 15-Nov-22

Client: Permian Basin Environmental Lab, LP
Project: 2K04010
Work Order: HS22110426

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS22110426-01	2K04010-01	Water		03-Nov-2022 11:50	08-Nov-2022 09:05	☐
HS22110426-02	2K04010-02	Water		03-Nov-2022 12:35	08-Nov-2022 09:05	☐
HS22110426-03	2K04010-03	Water		03-Nov-2022 13:10	08-Nov-2022 09:05	☐
HS22110426-04	2K04010-04	Water		03-Nov-2022 13:55	08-Nov-2022 09:05	☐
HS22110426-05	2K04010-05	Water		03-Nov-2022 14:50	08-Nov-2022 09:05	☐
HS22110426-06	2K04010-06	Water		03-Nov-2022 15:45	08-Nov-2022 09:05	☐

ALS Houston, US Date: 15-Nov-22

Client: Permian Basin Environmental Lab, LP **CASE NARRATIVE**
Project: 2K04010
Work Order: HS22110426

GC Semivolatiles by Method RSK-175

Batch ID: R421633

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

GCMS Semivolatiles by Method SW8270

Batch ID: 185965

Sample ID: LCSD-185965

• LCSD RPD was above the upper control limit. The individual recoveries were in control.)

WetChemistry by Method E415.1

Batch ID: R421851

Sample ID: HS22110444-01MS

• MS is for an unrelated sample

ALS Houston, US Date: 15-Nov-22

Client: Permian Basin Environmental Lab, LP
Project: 2K04010
Sample ID: 2K04010-01
Collection Date: 03-Nov-2022 11:50

ANALYTICAL REPORT
WorkOrder:HS22110426
Lab ID:HS22110426-01
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	10-Nov-2022 13:11
Ethene	**1.22**		**1.00**	**ug/L**	1	10-Nov-2022 13:11
Methane	**1.12**		**0.500**	**ug/L**	1	10-Nov-2022 13:11
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: JAC
Organic Carbon, Total	**5.20**		**1.00**	**mg/L**	1	15-Nov-2022 12:22

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

ALS Houston, US Date: 15-Nov-22

Client: Permian Basin Environmental Lab, LP
Project: 2K04010
Sample ID: 2K04010-02
Collection Date: 03-Nov-2022 12:35

ANALYTICAL REPORT
WorkOrder:HS22110426
Lab ID:HS22110426-02
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	10-Nov-2022 13:25
Ethene	**1.14**		**1.00**	**ug/L**	1	10-Nov-2022 13:25
Methane	**1.64**		**0.500**	**ug/L**	1	10-Nov-2022 13:25
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: JAC
Organic Carbon, Total	**5.79**		**1.00**	**mg/L**	1	15-Nov-2022 12:35

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

ALS Houston, US Date: 15-Nov-22

Client: Permian Basin Environmental Lab, LP
Project: 2K04010
Sample ID: 2K04010-03
Collection Date: 03-Nov-2022 13:10

ANALYTICAL REPORT
WorkOrder:HS22110426
Lab ID:HS22110426-03
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	10-Nov-2022 13:49
Ethene	ND		1.00	ug/L	1	10-Nov-2022 13:49
Methane	**3.22**		**0.500**	**ug/L**	1	10-Nov-2022 13:49
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: JAC
Organic Carbon, Total	**5.08**		**1.00**	**mg/L**	1	15-Nov-2022 12:48

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

ALS Houston, US Date: 15-Nov-22

Client: Permian Basin Environmental Lab, LP
Project: 2K04010
Sample ID: 2K04010-04
Collection Date: 03-Nov-2022 13:55

ANALYTICAL REPORT
WorkOrder:HS22110426
Lab ID:HS22110426-04
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	10-Nov-2022 14:01
Ethene	ND		1.00	ug/L	1	10-Nov-2022 14:01
Methane	**152**		**5.00**	**ug/L**	10	10-Nov-2022 14:27
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: JAC
Organic Carbon, Total	**2.39**		**1.00**	**mg/L**	1	15-Nov-2022 13:01

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

ALS Houston, US Date: 15-Nov-22

Client: Permian Basin Environmental Lab, LP
Project: 2K04010
Sample ID: 2K04010-05
Collection Date: 03-Nov-2022 14:50

ANALYTICAL REPORT
WorkOrder:HS22110426
Lab ID:HS22110426-05
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	10-Nov-2022 14:09
Ethene	ND		1.00	ug/L	1	10-Nov-2022 14:09
Methane	**169**		**5.00**	**ug/L**	10	10-Nov-2022 14:39
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: JAC
Organic Carbon, Total	**17.6**		**1.00**	**mg/L**	1	15-Nov-2022 13:15

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

ALS Houston, US Date: 15-Nov-22

Client: Permian Basin Environmental Lab, LP
Project: 2K04010
Sample ID: 2K04010-06
Collection Date: 03-Nov-2022 15:45

ANALYTICAL REPORT
WorkOrder:HS22110426
Lab ID:HS22110426-06
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL PAHS - 8270D		**Method:SW8270**		Prep:SW3511 / 09-Nov-2022		Analyst: MBG
1-Methylnaphthalene	**46.3**	n	**1.05**	**ug/L**	10	14-Nov-2022 12:34
2-Methylnaphthalene	**31.8**		**1.05**	**ug/L**	10	14-Nov-2022 12:34
Acenaphthene	**0.671**		**0.105**	**ug/L**	1	10-Nov-2022 14:13
Acenaphthylene	**1.31**		**0.105**	**ug/L**	1	10-Nov-2022 14:13
Anthracene	ND		0.105	ug/L	1	10-Nov-2022 14:13
Benz(a)anthracene	ND		0.105	ug/L	1	10-Nov-2022 14:13
Benzo(a)pyrene	ND		0.105	ug/L	1	10-Nov-2022 14:13
Benzo(b)fluoranthene	ND		0.105	ug/L	1	10-Nov-2022 14:13
Benzo(g,h,i)perylene	ND		0.105	ug/L	1	10-Nov-2022 14:13
Benzo(k)fluoranthene	ND		0.105	ug/L	1	10-Nov-2022 14:13
Chrysene	ND		0.105	ug/L	1	10-Nov-2022 14:13
Dibenz(a,h)anthracene	ND		0.105	ug/L	1	10-Nov-2022 14:13
Fluoranthene	ND		0.105	ug/L	1	10-Nov-2022 14:13
Fluorene	**6.96**		**0.105**	**ug/L**	1	10-Nov-2022 14:13
Indeno(1,2,3-cd)pyrene	ND		0.105	ug/L	1	10-Nov-2022 14:13
Naphthalene	**9.29**		**0.105**	**ug/L**	1	10-Nov-2022 14:13
Phenanthrene	**11.2**		**1.05**	**ug/L**	10	14-Nov-2022 12:34
Pyrene	ND		0.105	ug/L	1	10-Nov-2022 14:13
Surr: 2-Fluorobiphenyl	*96.5*		*32-130*	*%REC*	*1*	*10-Nov-2022 14:13*
Surr: 2-Fluorobiphenyl	*124*		*32-130*	*%REC*	*10*	*14-Nov-2022 12:34*
Surr: 4-Terphenyl-d14	*71.3*		*40-135*	*%REC*	*10*	*14-Nov-2022 12:34*
Surr: 4-Terphenyl-d14	*58.6*		*40-135*	*%REC*	*1*	*10-Nov-2022 14:13*
Surr: Nitrobenzene-d5	*131*		*45-142*	*%REC*	*1*	*10-Nov-2022 14:13*
Surr: Nitrobenzene-d5	*75.5*		*45-142*	*%REC*	*10*	*14-Nov-2022 12:34*
DISSOLVED GASES BY RSK-175		**Method:RSK-175**				Analyst: PPM
Ethane	**1.62**		**1.00**	**ug/L**	1	10-Nov-2022 14:17
Ethene	**4.26**		**1.00**	**ug/L**	1	10-Nov-2022 14:17
Methane	**957**		**25.0**	**ug/L**	50	10-Nov-2022 14:56
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: JAC
Organic Carbon, Total	**7.60**		**1.00**	**mg/L**	1	15-Nov-2022 13:29

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

ALS Houston, US

Date: 15-Nov-22

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: 2K04010
WorkOrder: HS22110426

Batch ID: 185965 **Start Date:** 09 Nov 2022 09:00 **End Date:** 09 Nov 2022 12:00
Method: SW3511 **Prep Code:** 3511_PAH

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS22110426-06		31.56 (mL)	2 (mL)	0.06337	40 mL Amber

ALS Houston, US Date: 15-Nov-22

Client: Permian Basin Environmental Lab, LP
Project: 2K04010
WorkOrder: HS22110426

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 185965 (0)	**Test Name :** LOW-LEVEL PAHS - 8270D				**Matrix:** Water	
HS22110426-06	2K04010-06	03 Nov 2022 15:45		09 Nov 2022 09:00	14 Nov 2022 12:34	10
HS22110426-06	2K04010-06	03 Nov 2022 15:45		09 Nov 2022 09:00	10 Nov 2022 14:13	1
Batch ID: R421633 (0)	**Test Name :** DISSOLVED GASES BY RSK-175				**Matrix:** Water	
HS22110426-01	2K04010-01	03 Nov 2022 11:50			10 Nov 2022 13:11	1
HS22110426-02	2K04010-02	03 Nov 2022 12:35			10 Nov 2022 13:25	1
HS22110426-03	2K04010-03	03 Nov 2022 13:10			10 Nov 2022 13:49	1
HS22110426-04	2K04010-04	03 Nov 2022 13:55			10 Nov 2022 14:27	10
HS22110426-04	2K04010-04	03 Nov 2022 13:55			10 Nov 2022 14:01	1
HS22110426-05	2K04010-05	03 Nov 2022 14:50			10 Nov 2022 14:39	10
HS22110426-05	2K04010-05	03 Nov 2022 14:50			10 Nov 2022 14:09	1
HS22110426-06	2K04010-06	03 Nov 2022 15:45			10 Nov 2022 14:56	50
HS22110426-06	2K04010-06	03 Nov 2022 15:45			10 Nov 2022 14:17	1
Batch ID: R421851 (0)	**Test Name :** TOTAL ORGANIC CARBON BY E415.1				**Matrix:** Water	
HS22110426-01	2K04010-01	03 Nov 2022 11:50			15 Nov 2022 12:22	1
HS22110426-02	2K04010-02	03 Nov 2022 12:35			15 Nov 2022 12:35	1
HS22110426-03	2K04010-03	03 Nov 2022 13:10			15 Nov 2022 12:48	1
HS22110426-04	2K04010-04	03 Nov 2022 13:55			15 Nov 2022 13:01	1
HS22110426-05	2K04010-05	03 Nov 2022 14:50			15 Nov 2022 13:15	1
HS22110426-06	2K04010-06	03 Nov 2022 15:45			15 Nov 2022 13:29	1

ALS Houston, US Date: 15-Nov-22

Client: Permian Basin Environmental Lab, LP
Project: 2K04010
WorkOrder: HS22110426

QC BATCH REPORT

Batch ID: R421633 (0) **Instrument:** FID-4 **Method:** DISSOLVED GASES BY RSK-175

MBLK Sample ID: **MBLK-221110** Units: **ug/L** Analysis Date: **10-Nov-2022 06:48**
Client ID: Run ID: **FID-4_421633** SeqNo: **6976901** 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-221110** Units: **ug/L** Analysis Date: **10-Nov-2022 06:58**
Client ID: Run ID: **FID-4_421633** SeqNo: **6976902** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ethane	20.8	1.00	18.04	0	115	75 - 125				
Ethene	18.73	1.00	16.8	0	111	75 - 125				
Methane	8.53	0.500	9.647	0	88.4	75 - 125				

LCSD Sample ID: **LCSD-221110** Units: **ug/L** Analysis Date: **10-Nov-2022 07:06**
Client ID: Run ID: **FID-4_421633** SeqNo: **6976903** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ethane	20.39	1.00	18.04	0	113	75 - 125	20.8	1.98	30	
Ethene	18.06	1.00	16.8	0	108	75 - 125	18.73	3.62	30	
Methane	8.656	0.500	9.647	0	89.7	75 - 125	8.53	1.47	30	

DUP Sample ID: **HS22110320-01DUP** Units: **ug/L** Analysis Date: **10-Nov-2022 08:54**
Client ID: Run ID: **FID-4_421633** SeqNo: **6976956** 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	ND	1.00					0	0	30	
Methane	1.52	0.500					1.649	8.16	30	

The following samples were analyzed in this batch: HS22110426-01 HS22110426-02 HS22110426-03 HS22110426-04 HS22110426-05 HS22110426-06

ALS Houston, US Date: 15-Nov-22

Client: Permian Basin Environmental Lab, LP
Project: 2K04010
WorkOrder: HS22110426

QC BATCH REPORT

Batch ID: 185965 (0) **Instrument: SV-6** **Method: LOW-LEVEL PAHS - 8270D**

MBLK Sample ID: **MBLK-185965** Units: **ug/L** Analysis Date: **09-Nov-2022 14:53**
Client ID: Run ID: **SV-6_421699** SeqNo: **6978804** PrepDate: **09-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	*2.889*	*0.100*	*3.03*	*0*	*95.3*	*32 - 130*			
Surr: 4-Terphenyl-d14	*3.03*	*0.100*	*3.03*	*0*	*100.0*	*40 - 135*			
Surr: Nitrobenzene-d5	*3.428*	*0.100*	*3.03*	*0*	*113*	*45 - 142*			

ALS Houston, US Date: 15-Nov-22

Client: Permian Basin Environmental Lab, LP
Project: 2K04010
WorkOrder: HS22110426

QC BATCH REPORT

Batch ID: 185965 (0) **Instrument: SV-6** **Method: LOW-LEVEL PAHS - 8270D**

LCS Sample ID: **LCS-185965** Units: **ug/L** Analysis Date: **09-Nov-2022 15:16**
Client ID: Run ID: **SV-6_421699** SeqNo: **6978805** PrepDate: **09-Nov-2022** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	2.483	0.100	3.03	0	82.0	40 - 140				
2-Methylnaphthalene	2.481	0.100	3.03	0	81.9	40 - 140				
Acenaphthene	1.976	0.100	3.03	0	65.2	40 - 140				
Acenaphthylene	2.062	0.100	3.03	0	68.0	40 - 140				
Anthracene	2.616	0.100	3.03	0	86.4	40 - 140				
Benz(a)anthracene	2.506	0.100	3.03	0	82.7	40 - 140				
Benzo(a)pyrene	2.389	0.100	3.03	0	78.8	40 - 140				
Benzo(b)fluoranthene	2.585	0.100	3.03	0	85.3	40 - 140				
Benzo(g,h,i)perylene	2.167	0.100	3.03	0	71.5	40 - 140				
Benzo(k)fluoranthene	2.11	0.100	3.03	0	69.6	40 - 140				
Chrysene	2.096	0.100	3.03	0	69.2	40 - 140				
Dibenz(a,h)anthracene	2.207	0.100	3.03	0	72.8	40 - 140				
Fluoranthene	2.218	0.100	3.03	0	73.2	40 - 140				
Fluorene	1.899	0.100	3.03	0	62.7	40 - 140				
Indeno(1,2,3-cd)pyrene	2.165	0.100	3.03	0	71.5	40 - 140				
Naphthalene	2.42	0.100	3.03	0	79.9	40 - 140				
Phenanthrene	2.082	0.100	3.03	0	68.7	40 - 140				
Pyrene	1.794	0.100	3.03	0	59.2	40 - 140				
Surr: 2-Fluorobiphenyl	*2.707*	*0.100*	*3.03*	*0*	*89.4*	*32 - 130*				
Surr: 4-Terphenyl-d14	*1.874*	*0.100*	*3.03*	*0*	*61.8*	*40 - 135*				
Surr: Nitrobenzene-d5	*2.999*	*0.100*	*3.03*	*0*	*99.0*	*45 - 142*				

ALS Houston, US Date: 15-Nov-22

Client: Permian Basin Environmental Lab, LP
Project: 2K04010
WorkOrder: HS22110426

QC BATCH REPORT

Batch ID: 185965 (0) **Instrument: SV-6** **Method: LOW-LEVEL PAHS - 8270D**

LCSD Sample ID: **LCSD-185965** Units: **ug/L** Analysis Date: **09-Nov-2022 15:39**
Client ID: Run ID: **SV-6_421699** SeqNo: **6978806** PrepDate: **09-Nov-2022** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1-Methylnaphthalene	2.574	0.100	3.03	0	84.9	40 - 140	2.483	3.59	25	
2-Methylnaphthalene	2.594	0.100	3.03	0	85.6	40 - 140	2.481	4.48	25	
Acenaphthene	2.146	0.100	3.03	0	70.8	40 - 140	1.976	8.25	25	
Acenaphthylene	2.213	0.100	3.03	0	73.0	40 - 140	2.062	7.09	25	
Anthracene	2.661	0.100	3.03	0	87.8	40 - 140	2.616	1.69	25	
Benz(a)anthracene	3.643	0.100	3.03	0	120	40 - 140	2.506	37	25	R
Benzo(a)pyrene	2.373	0.100	3.03	0	78.3	40 - 140	2.389	0.652	25	
Benzo(b)fluoranthene	2.091	0.100	3.03	0	69.0	40 - 140	2.585	21.1	25	
Benzo(g,h,i)perylene	2.543	0.100	3.03	0	83.9	40 - 140	2.167	16	25	
Benzo(k)fluoranthene	2.15	0.100	3.03	0	71.0	40 - 140	2.11	1.91	25	
Chrysene	2.363	0.100	3.03	0	78.0	40 - 140	2.096	12	25	
Dibenz(a,h)anthracene	2.358	0.100	3.03	0	77.8	40 - 140	2.207	6.62	25	
Fluoranthene	2.228	0.100	3.03	0	73.5	40 - 140	2.218	0.474	25	
Fluorene	2.052	0.100	3.03	0	67.7	40 - 140	1.899	7.73	25	
Indeno(1,2,3-cd)pyrene	2.222	0.100	3.03	0	73.3	40 - 140	2.165	2.57	25	
Naphthalene	2.541	0.100	3.03	0	83.9	40 - 140	2.42	4.9	25	
Phenanthrene	2.181	0.100	3.03	0	72.0	40 - 140	2.082	4.64	25	
Pyrene	2.293	0.100	3.03	0	75.7	40 - 140	1.794	24.4	25	
Surr: 2-Fluorobiphenyl	*2.561*	*0.100*	*3.03*	*0*	*84.5*	*32 - 130*	*2.707*	*5.57*	*25*	
Surr: 4-Terphenyl-d14	*2.714*	*0.100*	*3.03*	*0*	*89.6*	*40 - 135*	*1.874*	*36.6*	*25*	R
Surr: Nitrobenzene-d5	*3.042*	*0.100*	*3.03*	*0*	*100*	*45 - 142*	*2.999*	*1.43*	*25*	

The following samples were analyzed in this batch: HS22110426-06

ALS Houston, US Date: 15-Nov-22

Client: Permian Basin Environmental Lab, LP
Project: 2K04010
WorkOrder: HS22110426

QC BATCH REPORT

Batch ID: R421851 (0) **Instrument: TOC_04** **Method: TOTAL ORGANIC CARBON BY E415.1**

MBLK Sample ID: **MBLK-11152022** Units: **mg/L** Analysis Date: **15-Nov-2022 11:42**
Client ID: Run ID: **TOC_04_421851** SeqNo: **6981998** 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-11152022** Units: **mg/L** Analysis Date: **15-Nov-2022 11:55**
Client ID: Run ID: **TOC_04_421851** SeqNo: **6981999** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	10.58	1.00	10	0	106	85 - 115				

LCSD Sample ID: **LCSD-11152022** Units: **mg/L** Analysis Date: **15-Nov-2022 12:09**
Client ID: Run ID: **TOC_04_421851** SeqNo: **6982000** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	10.67	1.00	10	0	107	85 - 115	10.58	0.847	20	

MS Sample ID: **HS22110444-01MS** Units: **mg/L** Analysis Date: **15-Nov-2022 14:22**
Client ID: Run ID: **TOC_04_421851** SeqNo: **6982010** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	14.1	1.00	10	1.519	126	80 - 120				S

The following samples were analyzed in this batch: HS22110426-01 HS22110426-02 HS22110426-03 HS22110426-04 HS22110426-05 HS22110426-06

ALS Houston, US Date: 15-Nov-22

Client: Permian Basin Environmental Lab, LP
Project: 2K04010
WorkOrder: HS22110426

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 Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

ALS Houston, US Date: 15-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: 15-Nov-22

Sample Receipt Checklist

Work Order ID: HS22110426 **Date/Time Received:** 08-Nov-2022 09:05

Client Name: Permian Basin Lab **Received by:** Malcolm Burleson

Completed By:	/S/ Nilesh D. Ranchod	08-Nov-2022 11:22	**Reviewed by:**	/S/ Anna Kinchen	09-Nov-2022 16:49
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **Soil** 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 ☐	
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):	1.5C/1.0C UC/C	IR 31
Cooler(s)/Kit(s):	Med Red	
Date/Time sample(s) sent to storage:	11/08/2022 11:45	

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:

PBELAB

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
Company Name: PBEL
Company Address: 1400 Rankin HWY
City/State/Zip: Midland Texas 79701
Telephone No: 432-661-4184
Sampler Signature: N/A

HS22110426
Permian Basin Environmental Lab, LP
2K04010

e-mail: brentbarron@pbelab.com

Project Name: SUBCONTRACT
Project #:
Project Loc:
PO #:
Report Format: X Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: ICE	HNO_3 250 poly 1	HCl 3 40mL VOA	H_2SO_4 1 AMBER 500/250POLY	NaOH /Ascorbic Acid 250ML P	$Na_2S_2O_3$	NONE	NONE 3 AMBER VOAA VIALS	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: RSK SOP-175	TOC-415-1	8270C PAH LL	72 HOUR	STANDARD
	2K04010-01			11/3/2022	11:50		4	X		X	X					W	X	X			X
	2K04010-02			11/3/2022	12:35		4	X		X	X					W	X	X			X
	2K04010-03			11/3/2022	13:10		4	X		X	X					W	X	X			X
	2K04010-04			11/3/2022	13:55		4	X		X	X					W	X	X			X
	2K04010-05			11/3/2022	14:50		4	X		X	X					W	X	X			X
	2K04010-06			11/3/2022	15:45		7	X		X	X				X	W	X	X	X		X

SPECIAL INSTRUCTIONS:

M. REO IR3: 1.5 inc

Relinquished by:	Date	Time	Received by:	Date	Time
Brent Barron	11/7/22	17:00	11022022 0905		
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: °C
Adjusted: °C Factor

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.
Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

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

PBELAB

Analytical Report

Prepared for:

Curt Stanley

TRC Solutions- Midland, Texas

10 Desta Dr STE 150E

Midland, TX 79705

Project: Monument 10

Project Number: TNM Monument-10

Location: None Given

Lab Order Number: 2K04009

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 11/15/22

TRC Solutions- Midland, Texas	Project: Monument 10
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	Project Manager: Curt Stanley

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-5	2K04009-01	Water	11/03/22 11:05	11-04-2022 09:20

TRC Solutions- Midland, Texas	Project: Monument 10
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	Project Manager: Curt Stanley

MW-5

2K04009-01 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 13:35	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 13:35	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 13:35	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 13:35	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 13:35	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*105 %*	*80-120*		*P2K1103*	*11/11/22 09:15*	*11/11/22 13:35*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*88.7 %*	*80-120*		*P2K1103*	*11/11/22 09:15*	*11/11/22 13:35*	*EPA 8021B*	

TRC Solutions- Midland, Texas	Project: Monument 10
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	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 P2K1103 - * DEFAULT PREP *** **										
Blank (P2K1103-BLK1)				Prepared & Analyzed: 11/11/22						
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	*0.123*		*"*	*0.120*		*103*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.106*		*"*	*0.120*		*88.1*	*80-120*			
LCS (P2K1103-BS1)				Prepared & Analyzed: 11/11/22						
Benzene	0.0949	0.00100	mg/L	0.100		94.9	80-120			
Toluene	0.0972	0.00100	"	0.100		97.2	80-120			
Ethylbenzene	0.110	0.00100	"	0.100		110	80-120			
Xylene (p/m)	0.213	0.00200	"	0.200		107	80-120			
Xylene (o)	0.0909	0.00100	"	0.100		90.9	80-120			
Surrogate: 4-Bromofluorobenzene	*0.131*		*"*	*0.120*		*109*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.110*		*"*	*0.120*		*91.3*	*80-120*			
LCS Dup (P2K1103-BSD1)				Prepared & Analyzed: 11/11/22						
Benzene	0.103	0.00100	mg/L	0.100		103	80-120	8.57	20	
Toluene	0.104	0.00100	"	0.100		104	80-120	7.07	20	
Ethylbenzene	0.118	0.00100	"	0.100		118	80-120	6.35	20	
Xylene (p/m)	0.224	0.00200	"	0.200		112	80-120	4.98	20	
Xylene (o)	0.0961	0.00100	"	0.100		96.1	80-120	5.50	20	
Surrogate: 4-Bromofluorobenzene	*0.125*		*"*	*0.120*		*104*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.109*		*"*	*0.120*		*90.8*	*80-120*			
Calibration Blank (P2K1103-CCB1)				Prepared & Analyzed: 11/11/22						
Benzene	0.110		ug/l							
Toluene	0.230		"							
Ethylbenzene	0.460		"							
Xylene (p/m)	1.01		"							
Xylene (o)	0.530		"							
Surrogate: 4-Bromofluorobenzene	*0.121*		*"*	*0.120*		*101*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.102*		*"*	*0.120*		*85.4*	*80-120*			

TRC Solutions- Midland, Texas	Project: Monument 10
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	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 P2K1103 - * DEFAULT PREP *** **										
Calibration Blank (P2K1103-CCB2)				Prepared & Analyzed: 11/11/22						
Benzene	0.0400		ug/l							
Toluene	0.370		"							
Ethylbenzene	0.420		"							
Xylene (p/m)	1.02		"							
Xylene (o)	0.520		"							
Surrogate: 4-Bromofluorobenzene	*0.125*		*"*	*0.120*		*104*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.105*		*"*	*0.120*		*87.9*	*80-120*			
Calibration Check (P2K1103-CCV1)				Prepared & Analyzed: 11/11/22						
Benzene	0.108	0.00100	mg/L	0.100		108	80-120			
Toluene	0.113	0.00100	"	0.100		113	80-120			
Ethylbenzene	0.118	0.00100	"	0.100		118	80-120			
Xylene (p/m)	0.235	0.00200	"	0.200		117	80-120			
Xylene (o)	0.102	0.00100	"	0.100		102	80-120			
Surrogate: 4-Bromofluorobenzene	*0.129*		*"*	*0.120*		*108*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.109*		*"*	*0.120*		*91.2*	*80-120*			
Calibration Check (P2K1103-CCV2)				Prepared & Analyzed: 11/11/22						
Benzene	0.107	0.00100	mg/L	0.100		107	80-120			
Toluene	0.104	0.00100	"	0.100		104	80-120			
Ethylbenzene	0.105	0.00100	"	0.100		105	80-120			
Xylene (p/m)	0.213	0.00200	"	0.200		106	80-120			
Xylene (o)	0.0919	0.00100	"	0.100		91.9	80-120			
Surrogate: 4-Bromofluorobenzene	*0.124*		*"*	*0.120*		*104*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.109*		*"*	*0.120*		*90.8*	*80-120*			
Calibration Check (P2K1103-CCV3)				Prepared & Analyzed: 11/11/22						
Benzene	0.108	0.00100	mg/L	0.100		108	80-120			
Toluene	0.105	0.00100	"	0.100		105	80-120			
Ethylbenzene	0.107	0.00100	"	0.100		107	80-120			
Xylene (p/m)	0.218	0.00200	"	0.200		109	80-120			
Xylene (o)	0.0958	0.00100	"	0.100		95.8	80-120			
Surrogate: 4-Bromofluorobenzene	*0.129*		*"*	*0.120*		*107*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.109*		*"*	*0.120*		*90.5*	*80-120*			

TRC Solutions- Midland, Texas	Project: Monument 10
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	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 P2K1103 - * DEFAULT PREP *** **										
Matrix Spike (P2K1103-MS1)		**Source: 2K04009-01**		Prepared & Analyzed: 11/11/22						
Benzene	0.0999	0.00100	mg/L	0.100	ND	99.9	80-120			
Toluene	0.101	0.00100	"	0.100	ND	101	80-120			
Ethylbenzene	0.113	0.00100	"	0.100	ND	113	80-120			
Xylene (p/m)	0.217	0.00200	"	0.200	ND	109	80-120			
Xylene (o)	0.0923	0.00100	"	0.100	ND	92.3	80-120			
Surrogate: 4-Bromofluorobenzene	*0.135*		"	*0.120*		*113*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.111*		"	*0.120*		*92.7*	*80-120*			
Matrix Spike Dup (P2K1103-MSD1)		**Source: 2K04009-01**		Prepared & Analyzed: 11/11/22						
Benzene	0.0976	0.00100	mg/L	0.100	ND	97.6	80-120	2.34	20	
Toluene	0.0972	0.00100	"	0.100	ND	97.2	80-120	4.05	20	
Ethylbenzene	0.111	0.00100	"	0.100	ND	111	80-120	2.52	20	
Xylene (p/m)	0.212	0.00200	"	0.200	ND	106	80-120	2.44	20	
Xylene (o)	0.0904	0.00100	"	0.100	ND	90.4	80-120	2.09	20	
Surrogate: 4-Bromofluorobenzene	*0.131*		"	*0.120*		*109*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.110*		"	*0.120*		*91.3*	*80-120*			

TRC Solutions- Midland, Texas	Project: Monument 10
10 Desta Dr STE 150E	Project Number: TNM Monument-10
Midland TX, 79705	Project Manager: Curt Stanley

Notes and Definitions

ROI	Received on Ice
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: Brent Barron Date: 11/15/2022

Brent Barron, Laboratory Director/Technical Director

TB

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
10014 S. County Road 1213
Midland, Texas 79706
Phone: 432-661-4184

Project Manager: Curt Stanley
Company Name: TRC Environmental Corporation
Company Address: 10 Desta Drive, Ste 130E
City/State/Zip: Midland/TX/79705
Telephone No: (432)5207720 Fax No:
Sampler Signature: e-mail: cdstanley@trccompanies.com, cjbryant@paalp.com, khudgens@paalp.com

Project Name: Monument 10
Project #: TNM Monument 10
Project Loc: Lea County, NM
PO #:
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: 2K04009

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl (3 VOA)	H2SO4	NaOH	Na2S2O3	None (3 Amber VOA)	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: 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
																	TCLP:																
																	TOTAL:	X														
1	MW-5			11-3-22	1105		3	X		3						GW						X										X

Special Instructions:
Bill to Plains

Relinquished by:	Date	Time	Received by:	Date	Time
Manny	11-4	920			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	Date	Time
				11/4/22	9:20

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: 4.8 °C
Adjusted: 5.8 °C Factor CF-4

APPENDIX B:
Release Notification and Corrective Action
(NMOCD Form C-141)

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

x Initial Report ☐ Final Report

Name of Company	Plains Pipeline, LP	Contact:	Camille Reynolds
Address:	3705 E. Hwy 158, Midland, TX 79706	Telephone No.	505-441-0965
Facility Name	Monument #10	Facility Type:	Steel Pipeline

Surface Owner:	Mineral Owner	Lease No.
New Mexico State Land		

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
H	30	19S	37E					Lea

Latitude 32 degrees 38' 9.2" **Longitude** 103 degrees 17' 2.4"

NATURE OF RELEASE

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

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

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

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

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

* Attach Additional Sheets If Necessary

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 201440

CONDITIONS

Operator:	OGRID:
PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	34053
	Action Number: 201440
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Review of the 2022 Groundwater Monitoring Report on behalf of Plains Marketing, Monument 10 Site: Content Satisfactory 1. Continue to conduct quarterly monitoring and gw sampling for 2023. 2. Continue to manually recover PSH product monthly and adjust per site conditions. 3. If unforeseen circumstances and modification to sampling is necessary, please submit a request for abatement plan modification per subsection A and B of 19.15.30.18 4. Submit 2023 Annual Groundwater Report to NMOCD by April 1, 2024.	7/20/2023