REVIEWED
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2023
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

Review of the Monument 10, 2023 Annual Monitoring Report: content satisfactory
1. continue to conduct quarterly groundwater sampling for the 2024 calendar year.
2. Continue to sample for PAH as appropriate for MW-3A, when PSH is not present.
3. Continue to manually remove LNAPL from wells on a monthly basis, and gauge as prescribed.
4. Submit the 2024 annual report electronically to OCD by May 1, 2024.

Prepared For:

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May 2024

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TABLE OF CONTENTS

APPENDICES

INTRODUCTION

On behalf of Plains Marketing, L.P., (Plains), TRC Environmental Corporation (TRC) is pleased to submit this 2023 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 2023. 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 2023 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 exhibiting a thickness of PSH greater than 0.01 foot were not sampled as per a NMOCD directive, with the exception of monitor wells selected as part of monitored natural attenuation (MNA) sampling activities.

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 14.3 gallons (approximately 0.454 barrels) of PSH were recovered from the Site during the reporting period. Approximately 3,058.75 gallons (approximately 72.944 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 22-23, May 18, July 31-August 1, 2023, and November 2, 2023. 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 2023, are depicted on the Inferred Groundwater Gradient Map(s), Figures 2A-2D. Groundwater elevation data for 2023 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 0.019 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 to 0.013 feet/foot to the southeast. The corrected groundwater elevations ranged between 3,602.75 and 3,609.47 feet above mean sea level, in monitor well MW-2 on March 20, 2023, 2023, and monitor well MW-4 on November 2, 2023, respectively.

LABORATORY RESULTS

Groundwater samples obtained during all four (4) quarterly sampling events of 2023 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 2023 is summarized in Table 2 and historical concentrations of BTEX in groundwater are summarized in Table 5. The 2023 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 2023 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 4th quarter to 0.00276 mg/L during the 1st quarter 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 and 3rd quarter sampling event to 0.00182 mg/L during the 4th 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 0.00140 mg/L during the 4th quarter to 0.02591 mg/L during the 1st quarter sampling event of the 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
02/23/23	MW-1	7.29	22.15	1.10	-184	0	0
05/18/23	MW-1	6.93	21.77	920.4	-258.7	1.16	290.66
08/01/23	MW-1	6.74	28.93	0	-224	0	1.49
11/02/23	MW-1	7.21	20.93	0.83	-121.2	0.01	120.66

Analytical benzene data for up to 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 up to the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was "No Trend" in monitor well MW-1. Analytical ethylbenzene data for up to the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was "No Trend" in monitor well MW-1. Analytical xylene data for up to the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was "No Trend" in monitor well MW-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, 2nd, and 4th quarters to 0.00169 mg/L during the 3rd 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 4th quarter to 0.00178 mg/L during the 1st quarter 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 0.00115 mg/L during the 1st quarter to 0.00380 mg/L during the 3rd quarter 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 0.00206 mg/L during the 4th quarter to 0.01837 mg/L during the 1st quarter 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
02/23/23	MW-2	7.52	22.69	0.764	-210	0	191
05/18/23	MW-2	6.92	23.79	668.88	-70.4	2.05	299.9
08/01/23	MW-2	6.92	32.14	0.12	-273	0.10	1.35
11/02/23	MW-2	7.49	21.19	0.71	-156.9	0.17	79.05

Analytical benzene data for the previous nine (9) 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 nine (9) 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 nine (9) 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 nine (9) 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 0.00136 mg/L during the 4th quarter to 0.00861 mg/L during the 1st quarter of the reporting period. Benzene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Toluene concentrations ranged 0.0014 mg/L during the 4th quarter to 0.0384 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 4th quarter to 0.0460 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 0.0167 mg/L during the 4th quarter to 0.0377 mg/L during the 3rd 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 (0.21 mg/L), Indeno[1,2,3-cd]pyrene (0.032 mg/L), and naphthalene (0.286 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
02/23/23	MW-3A	7.62	23.45	0.817	-119	0.55	592
05/18/23	MW-3A	7.38	23.32	660.10	-166.1	4.70	898.21
08/01/23	MW-3A	7.27	25.99	0	-297.3	0.12	1.38
11/02/23	MW-3A	7.73	21.37	0.74	-31.9	5.07	29.11

Analytical benzene data for the previous four (4) 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 four (4) 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 four (4) 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 four (4) years was entered into the GSI-MKT, which indicated the Concentration Trend was "Prob. Increasing" 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
02/23/23	MW-4	7.78	22.79	0.906	176	1.16	52.4
05/18/23	MW-4	7.21	20.45	724.6	-6.2	1.22	166.44
08/01/23	MW-4	7.04	28.85	0	214	1.10	275.1
11/02/23	MW-4	7.67	19.92	0.73	197.7	1.11	312.63

Analytical benzene data for up to 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 up to 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 up to 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 up to the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was "Increasing" 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
03/23/23	MW-6	7.66	22.62	0.849	-20	0.55	0.0
05/18/23	MW-6	7.33	21.91	733.69	-150.6	0.86	439.5
08/01/23	MW-6	7.14	31.01	0	-10	0.09	1.35
11/02/23	MW-6	7.68	20.34	0.71	-44.7	0.18	407.26

Analytical benzene data for up to 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 up to the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was "No Trend" in monitor well MW-6. Analytical ethylbenzene data for up to the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was "Stable" in monitor well MW-6. Analytical xylene data for up to the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was "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
02/23/23	MW-7	7.71	22.76	1.08	95	0.98	0
05/18/23	MW-7	7.49	21.58	940.55	-55.2	2.48	381.65
08/01/23	MW-7	7.20	32.16	0	156	0.09	123.6
11/02/23	MW-7	7.71	20.39	0.99	46.2	0.16	119.29

Analytical benzene data for up to 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 up to the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was "No Trend" in monitor well MW-7. Analytical ethylbenzene data for up to the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was "Stable" in monitor well MW-7. Analytical xylene data for up to the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was "No Trend" in monitor well MW-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 0.00861 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 0.00322 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, and MW-7 to 0.00534 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 0.00136 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, and MW-7 to 0.0384 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-6, and MW-7 to 0.00777 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-6, and MW-7 to 0.0192 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 0.00135 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, and MW-7 to 0.0460 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-6, and MW-7 to 0.00426 mg/L for monitor well MW-3A.

For the 3rd 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, and MW-7 to 0.0136 mg/L for monitor well 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-3A, MW-6, and MW-7 to 0.00251 mg/L for monitor well MW-2.

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", "Stable", 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, and MW-7 to 0.1151 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, and MW-7 to 0.0174 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 0.0377 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 0.0167 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 "Increasing", "No Trend", "Prob. Increasing", "No Trend", "No Trend", and "Stable".

For the 1st quarter the analytical results for concentrations of TOC ranged from 1.99 mg/L for monitor well MW-2 to 17.2 mg/L for monitor well MW-1.

For the 2nd quarter the analytical results for concentrations of TOC ranged from less than applicable laboratory RL for monitor well MW-3A to 18.8 mg/L for monitor well MW-1.

For the 3rd quarter the analytical results for concentrations of TOC ranged from 3.40 mg/L for monitor well MW-2 to 16.3 mg/L for monitor well MW-1

For the 4th quarter the analytical results for concentrations of TOC ranged from less than applicable laboratory RL for monitor well MW-1 to 979 mg/L for monitor well MW-3A.

Please reference Table 11 for GSI-MKT TOC results. Analytical TOC data for the previous nine (9) 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 "Decreasing", "Stable", "No Trend", "Stable", "Stable", and "Stable".

For the 1st quarter the analytical results for concentrations of Dissolved Methane ranged from 0.000868 mg/L for monitor well MW-4 to 1.55 mg/L for monitor well MW-3A.

For the 2nd quarter the analytical results for concentrations of Dissolved Methane ranged from 0.00102 mg/L for monitor well MW-4 to 0.560 mg/L for monitor well MW-3A.

For the 3rd quarter the analytical results for concentrations of Dissolved Methane ranged from 0.000534 mg/L for monitor well MW-4 to 0.140 mg/L for monitor well MW-3A.

For the 4th quarter the analytical results for concentrations of Dissolved Methane ranged 0.00113 mg/L for monitor well MW-4 to 0.979 mg/L for monitor well MW-3A.

Please reference Table 12 for GSI-MKT Dissolved Methane results. Analytical Methane data for the previous nine (9) 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 "Prob. Decreasing", "No Trend", "Increasing", "Stable", "Stable", and "No Trend".

For the 1st quarter the 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 0.00571 mg/L for monitor well MW-3A.

For the 2nd quarter the 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 0.00156 mg/L for monitor well MW-3A.

For the 3rd quarter the analytical results for concentrations of Dissolved Ethane ranged from less than the applicable laboratory RL for monitor wells MW-4, MW-6, MW-7, and MW-2 to 0.00320 mg/L for monitor well MW-3A.

For the 4th quarter he 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

Please reference Table 13 for GSI-MKT Dissolved Ethane results. Analytical Dissolved Ethane data for the previous nine (9) 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”, “Stable”, “Stable”, and “Stable”.

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

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, MW-3A, MW-6, MW-7, and MW-2 to 0.00232 mg/L for monitor well MW-1.

For the 3rd quarter the analytical results for concentrations of Dissolved Ethene ranged from less than the applicable laboratory RL for monitor well MW-4, MW-3A, MW-6, MW-7, and MW-2 to 0.00107 mg/L for monitor well MW-1.

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

Please reference Table 14 for GSI-MKT Dissolved Ethene results. Analytical Dissolved Ethene data for the previous nine (9) 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”, “Prob. Decreasing”, “Decreasing”, “Decreasing”, 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-1, MW-7, and MW-2 to 3.32 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 0.313 mg/L for monitor well MW-3A.

For the 3rd 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 0.827 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-6, MW-7, and MW-2 to 2.58 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 nine (9) 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 "Prob. Increasing", "Prob. Decreasing", "Stable", "No Trend", "No Trend", and "No Trend".

For the 1st quarter the analytical results for concentrations of Dissolved Manganese (filtered) ranged from 0.0909 mg/L for monitor well MW-2 to 1.51 mg/L for monitor well MW-3A.

For the 2nd quarter the analytical results for concentrations of Dissolved Manganese (filtered) ranged from 0.0410 for monitor well MW-2 to 1.21 mg/L for monitor well MW-3A.

For the 3rd quarter the analytical results for concentrations of Dissolved Manganese (filtered) ranged from 0.0220 mg/L for monitor well MW-4 to 1.40 mg/L for monitor well MW-1.

The analytical results for concentrations of Dissolved Manganese (filtered) ranged from 0.202 mg/L for monitor well MW-2 to 1.35 mg/L for monitor well MW-1.

Please reference Table 16 for GSI-MKT Dissolved Manganese (filtered) results. Analytical Dissolved Manganese data for the previous nine (9) 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", "Decreasing", "Decreasing", "Increasing", "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 and MW-3A to 2.16 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 2.12 mg/L for monitor well MW-4.

For the 3rd quarter the analytical results for concentrations of Nitrate ranged from 0.226 mg/L for monitor wells MW-1 to 2.39 mg/L for monitor well MW-4.

For the 4th quarter the analytical results for concentrations of Nitrate ranged from 0.206 mg/L for monitor wells MW-3A to 2.53 mg/L for monitor well MW-4.

Please reference Table 17 for GSI-MKT Nitrate results. Analytical Nitrate data for the previous nine (9) 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", "Prob. Increasing", "No Trend", "Stable", "Stable", and "Stable".

For the 1st quarter the analytical results for concentrations of Sulfate ranged from 1.33 mg/L monitor well MW-3A to 79.4 mg/L for monitor well MW-4.

For the 2nd quarter the analytical results for concentrations of Sulfate ranged from below the applicable laboratory RL for monitor well MW-1 to 81.8 mg/L for monitor well MW-4.

For the 3rd quarter the analytical results for concentrations of Sulfate ranged from 2.20 mg/L monitor well MW-3A to 81.5 mg/L for monitor well MW-4.

For the 4th quarter the analytical results for concentrations of Sulfate ranged from 2.08 mg/L monitor well MW-3A to 77.4 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", "No Trend", "Decreasing", 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-4 and MW-2 to 55.0 mg/L for monitor well MW-1.

For the 2nd quarter the analytical results for concentrations of COD ranged from 5.00 mg/L for monitor wells MW-4 to 52.0 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-6, and MW-7 to 39.0 mg/L for monitor well MW-1.

For the 4th quarter the analytical results for concentrations of COD ranged from 8.00 mg/L for monitor well MW-2 to 86.0 mg/L for monitor well MW-3A.

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 "No Trend", "Stable", "No Trend", "No Trend", "No Trend", and "No Trend".

SUMMARY

This report presents the results of monitoring activities for the 2023 annual monitoring period. Currently, there are seven (7) groundwater monitor wells located on the site.

Approximately 14.3 gallons (approximately 0.454 barrels) of PSH were recovered from the Site during the reporting period. Approximately 3,058.75 gallons (approximately 72.944 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.

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 continue to 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 the 4th quarter 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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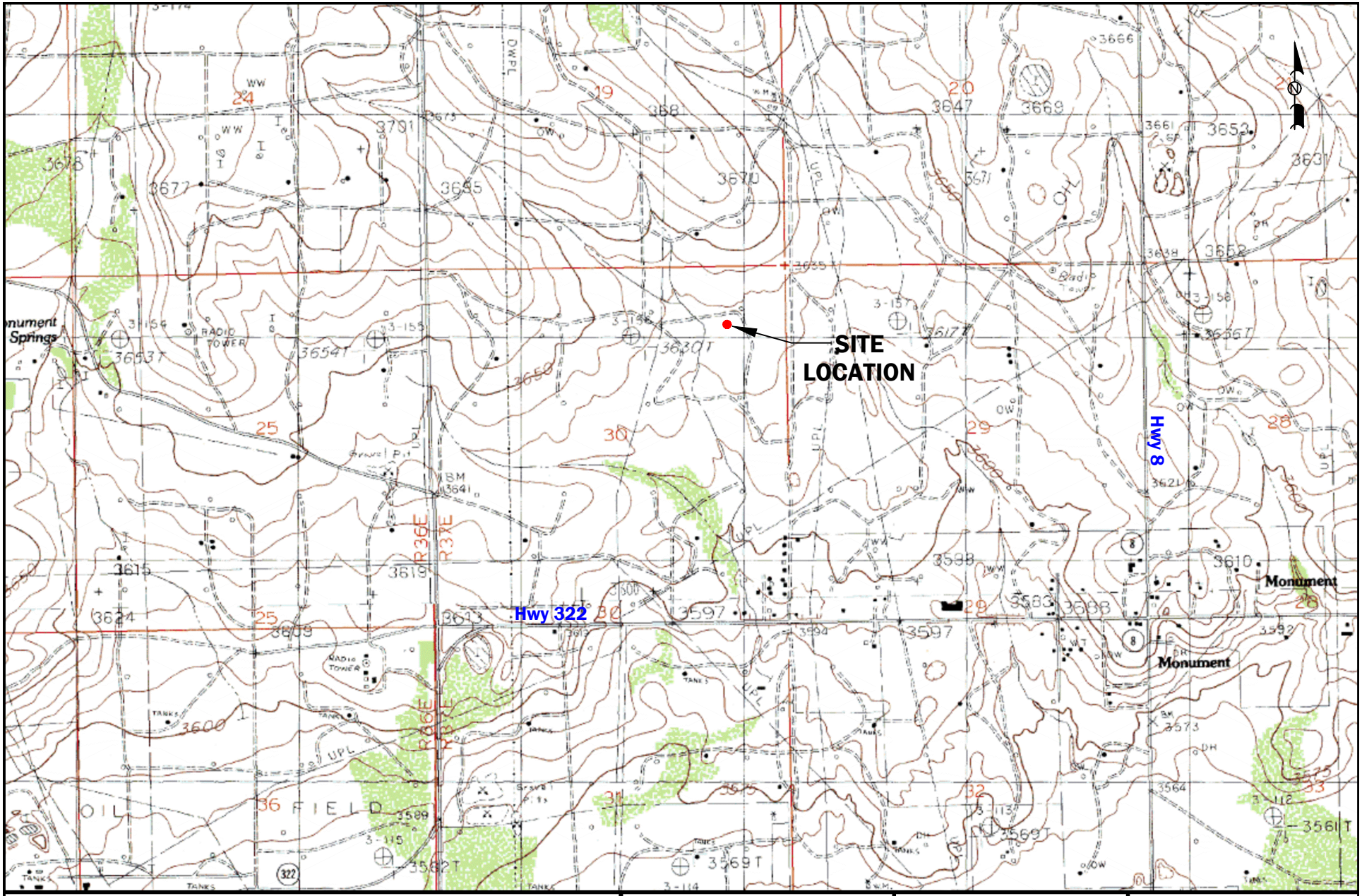
FIGURES



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
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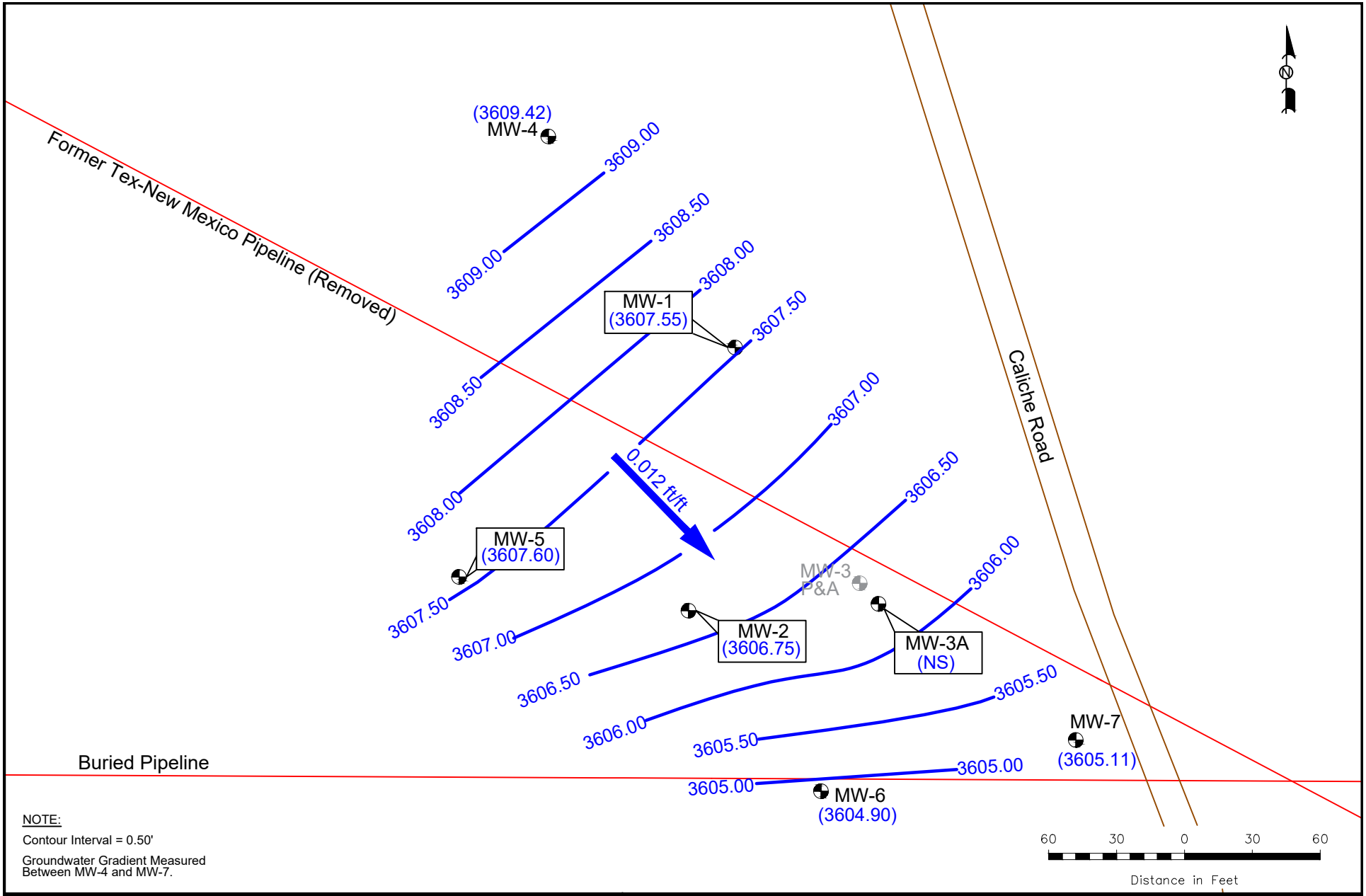

NOTE:

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 2A
Inferred Groundwater Gradient Map
(2/22/2023)
Plains Marketing, L.P.
Monument 10
NMOCD Reference # 1RP-0119
Lea County, NM

Scale: 1" = 60'	
CAD By: CS	Checked By: MG
Draft: May 11, 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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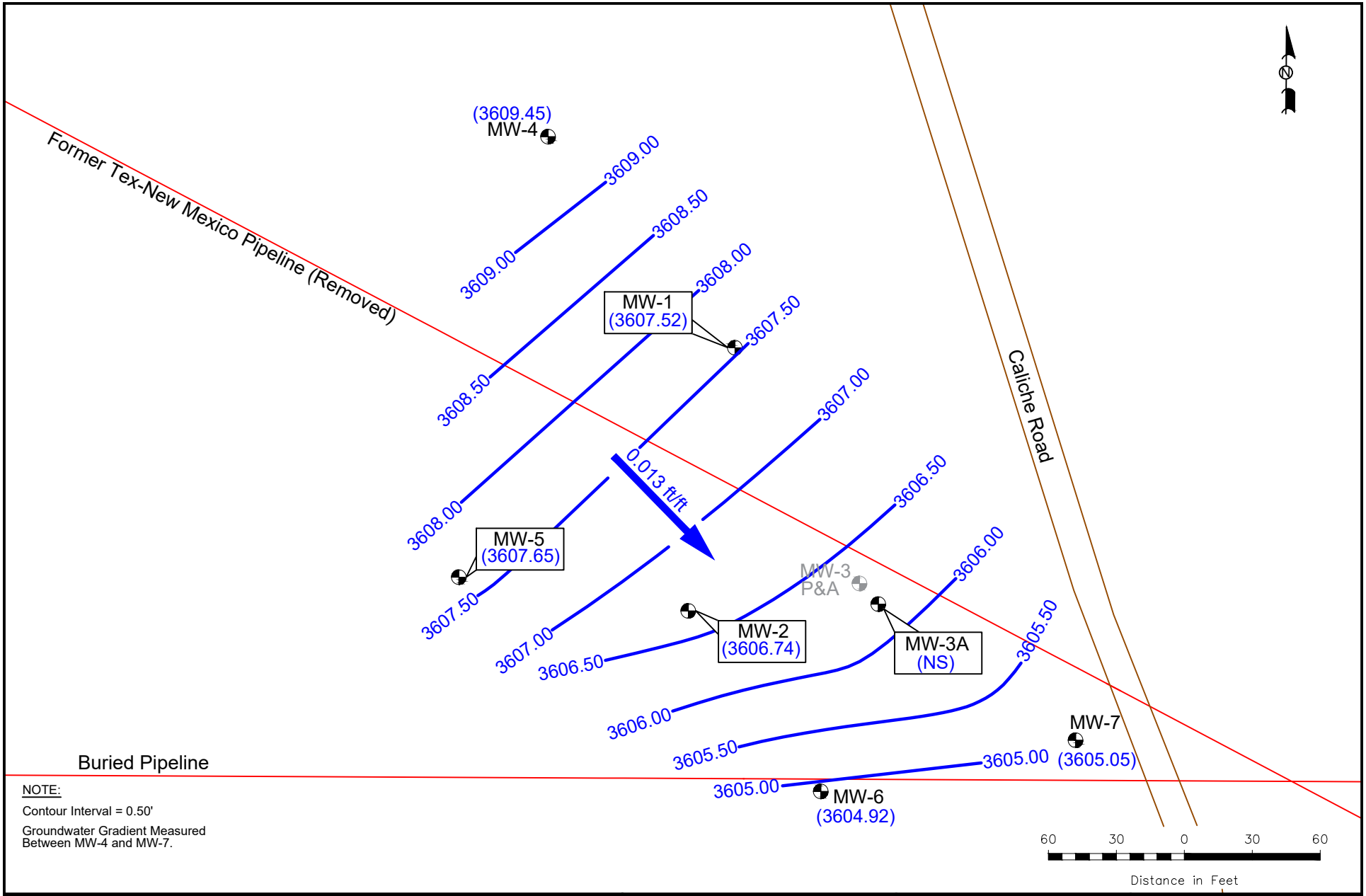

NOTE:

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
(5/18/2023)
Plains Marketing, L.P.
Monument 10
NMOCD Reference # 1RP-0119
Lea County, NM

Scale: 1" = 60'	
CAD By: CS	Checked By: CS
Draft: July 12, 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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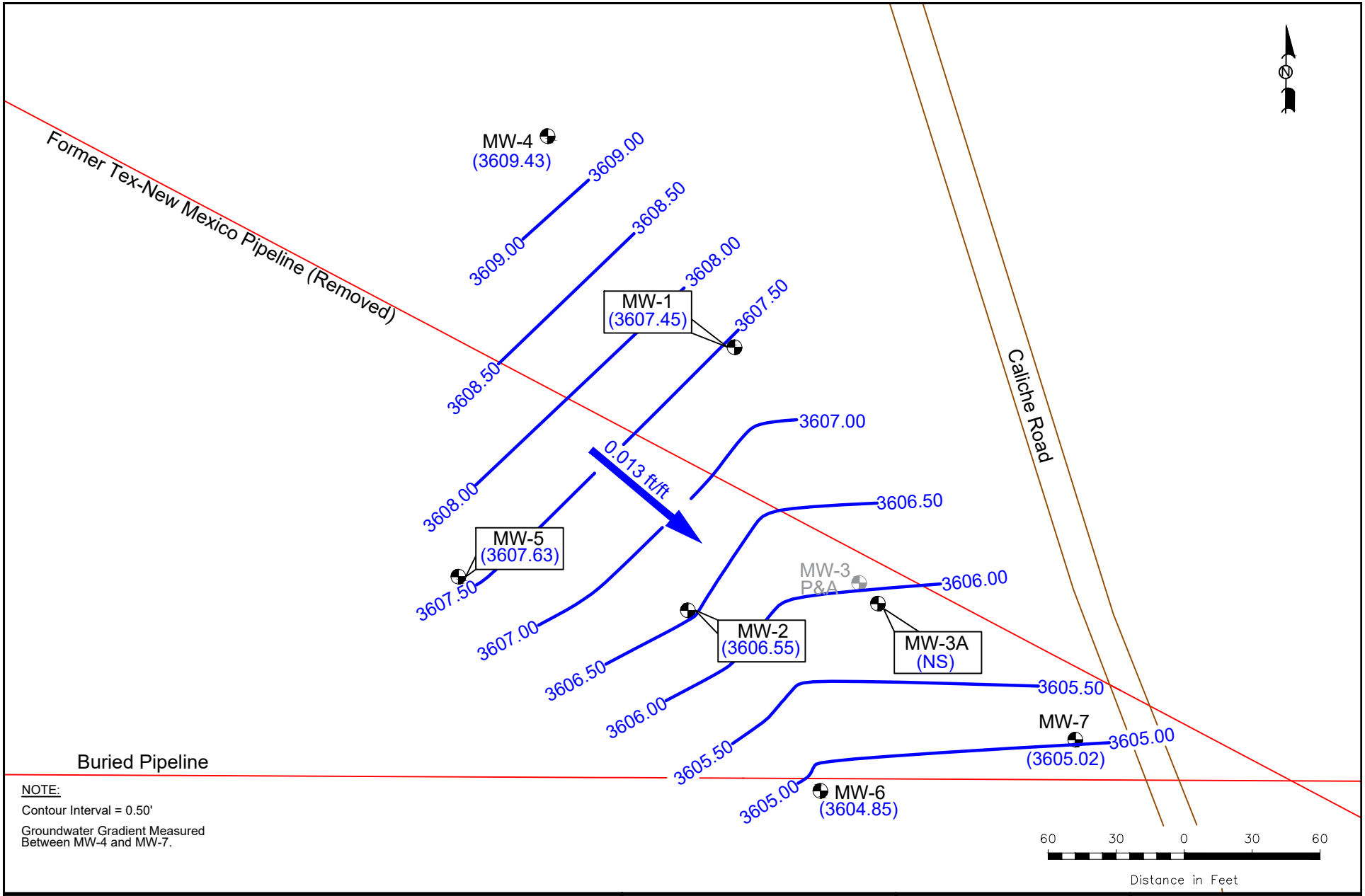

NOTE:

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
(7/31/2023 - 8/1/2023)
Plains Marketing, L.P.
Monument 10
NMOCD Reference # 1RP-0119
Lea County, NM

Scale: 1" = 60'	
CAD By: CS	Checked By: MG
Draft: September 12, 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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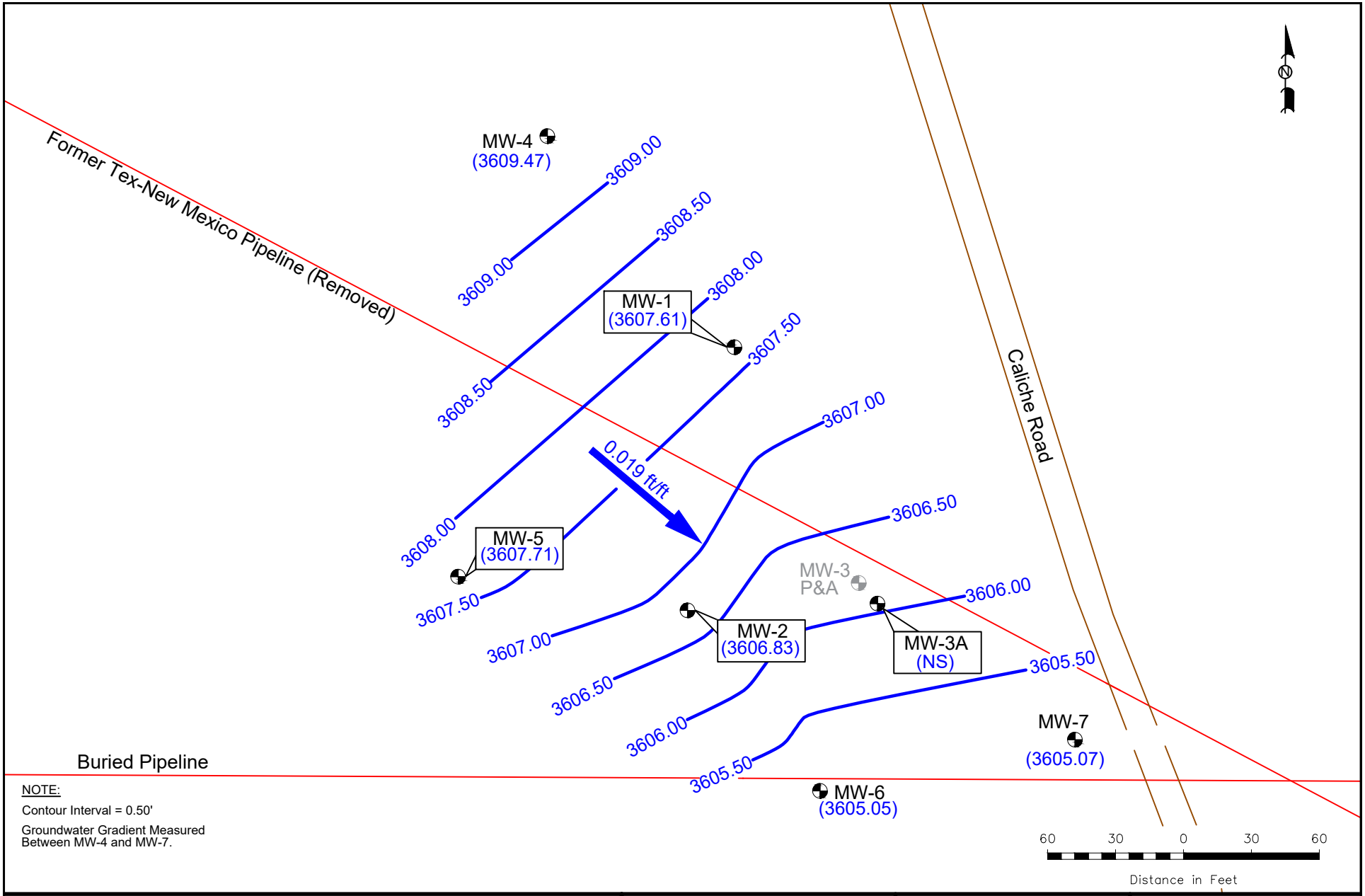

NOTE:

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
(11/02/2023)
Plains Marketing, L.P.
Monument 10
NMOCD Reference # 1RP-0119
Lea County, NM

Scale: 1" = 60'	
CAD By: CS	Checked By: MG
Draft: November 27, 2023	
Lat. N 32.636147° , Long. W 103.284488°	
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TRC Proj. No.: 014170	

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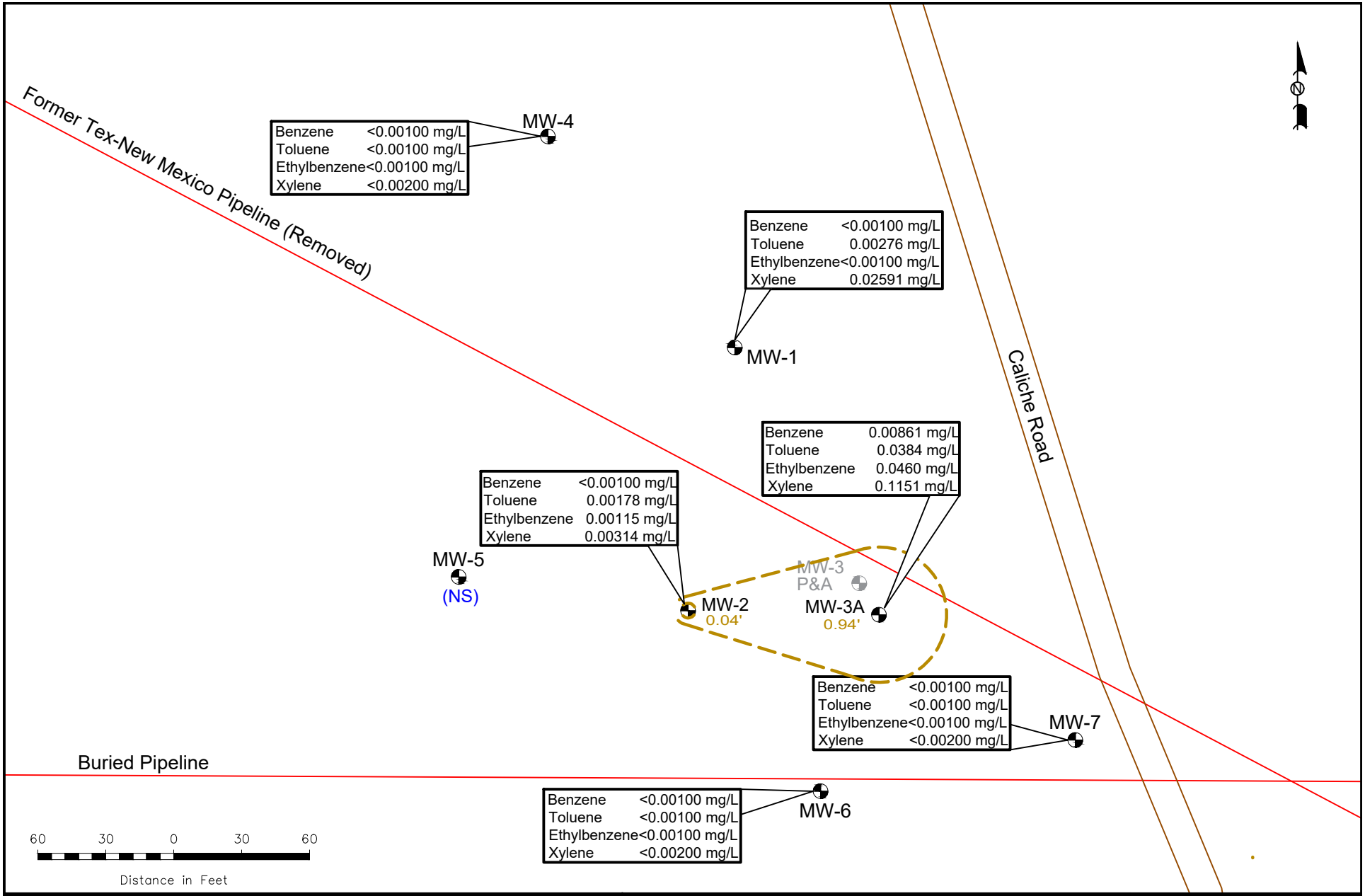

LEGEND:

- 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
(2/23/2023)
Plains Marketing, L.P.
Monument 10
NMOCD Reference # 1RP-0119
Lea County, NM

Scale: 1" = 60'	
CAD By: CS	Checked By: MG
Draft: April 20, 2023	
Lat. N 32.636147° , Long. W 103.284488°	
SE1/4 NE1/4 Sec 30 T19S R37E	
TRC Proj. No.: 014170	

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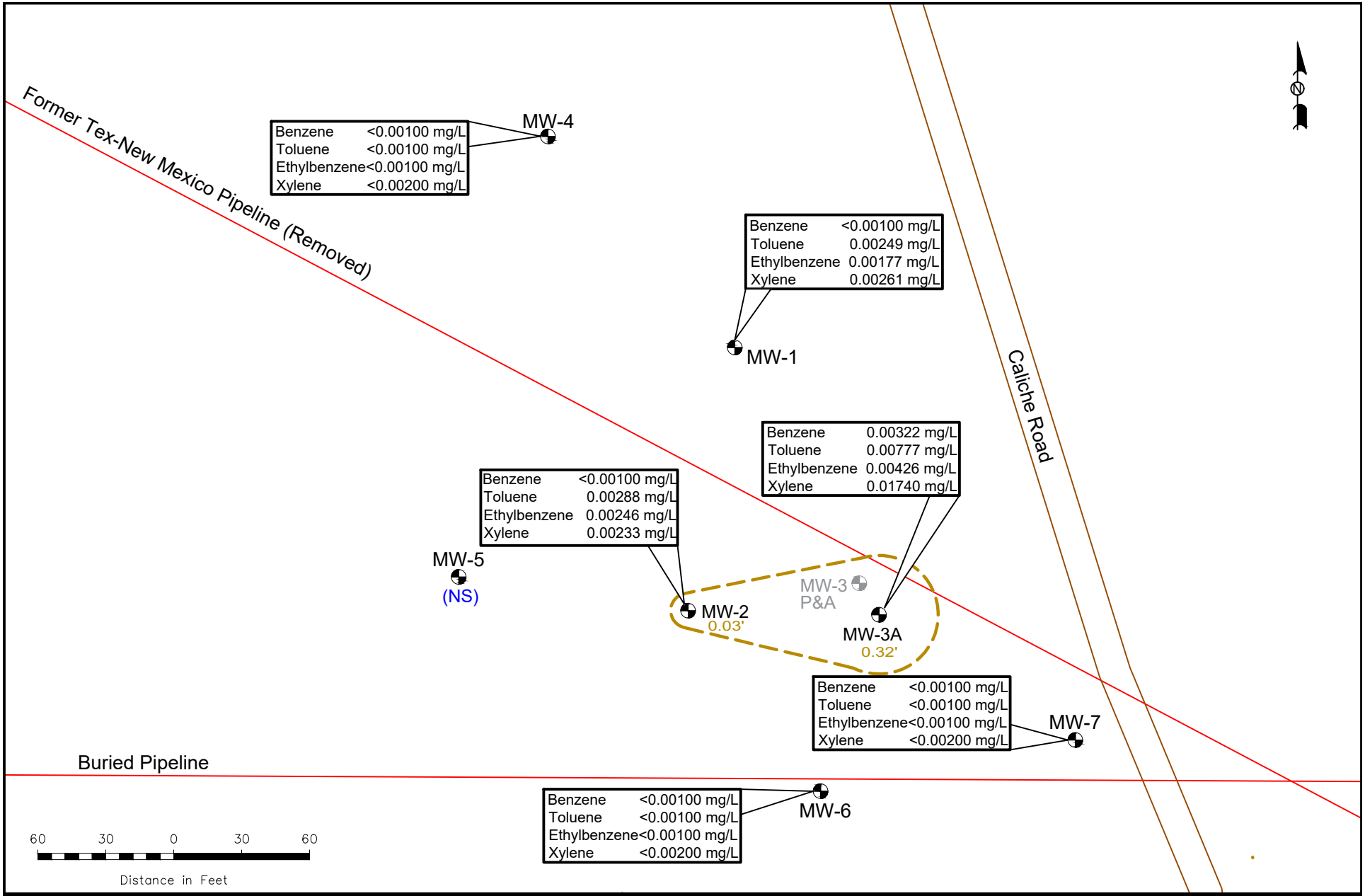

LEGEND:

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

Figure 3B
Groundwater Concentration and Inferred PSH Extents Map
(5/18/2023)
Plains Marketing, L.P.
Monument 10
NMOCD Reference # 1RP-0119
Lea County, NM

Scale: 1" = 60'	
CAD By: CS	Checked By: MG
Draft: June 12, 2023	
Lat. N 32.636147° , Long. W 103.284488°	
SE1/4 NE1/4 Sec 30 T19S R37E	
TRC Proj. No.: 014170	

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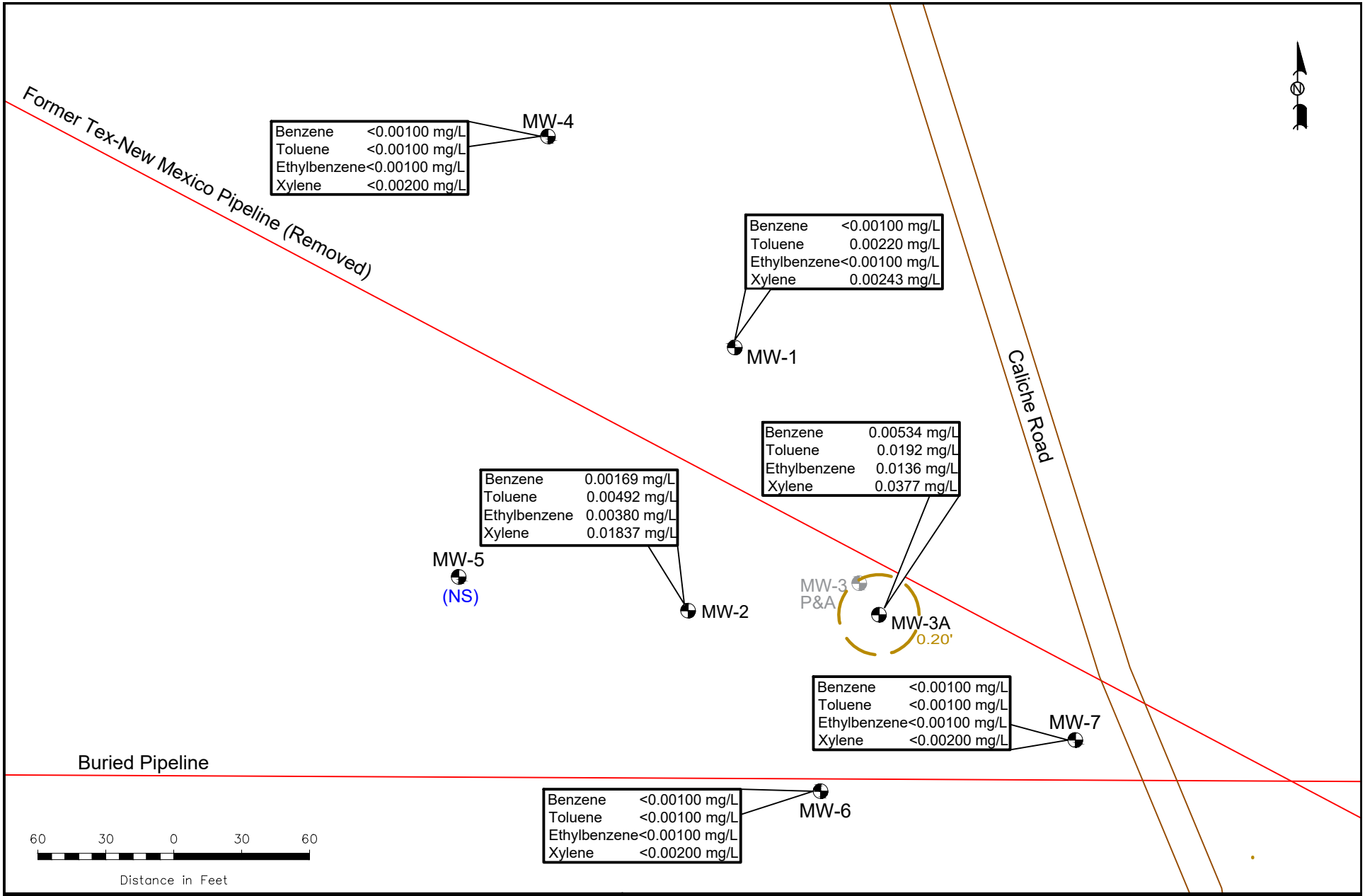
Midland, Texas 79705
432.520.7720



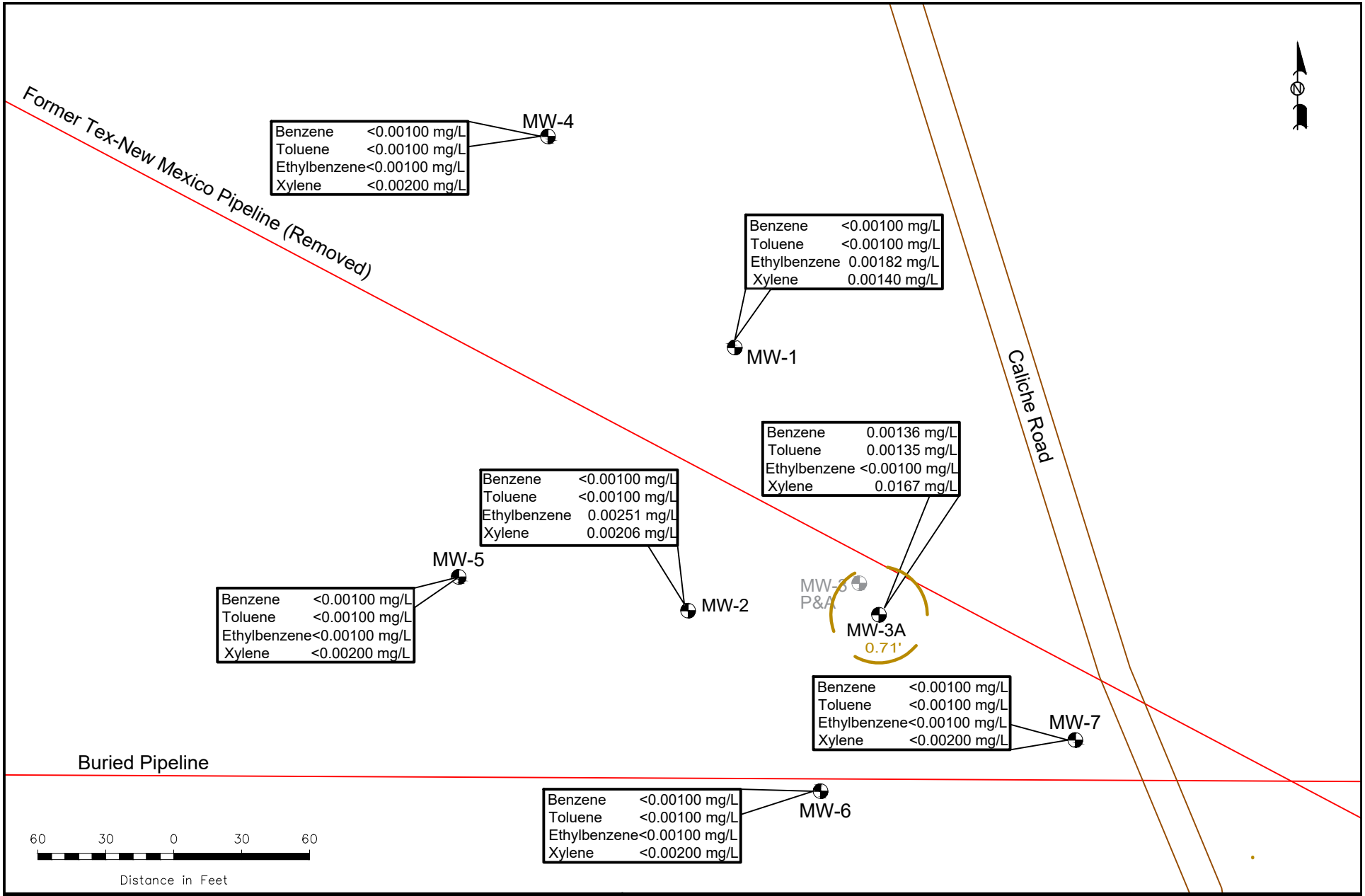
LEGEND:

- 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
(8/1/2023)
Plains Marketing, L.P.
Monument 10
NMOCD Reference # 1RP-0119
Lea County, NM

Scale: 1" = 60'	
CAD By: CS	Checked By: MG
Draft: October 3, 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



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
(11/02/2023)
Plains Marketing, L.P.
Monument 10
NMOCD Reference # 1RP-0119
Lea County, NM

Scale: 1" = 60'	
CAD By: CS	Checked By: CS
Draft: December 21, 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

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	02/22/23	3,629.33	-	21.78	0.00	3,607.55
MW - 1	05/18/23	3,629.33	-	21.81	0.00	3,607.52
MW - 1	07/31/23	3,629.33	-	21.88	0.00	3,607.45
MW - 1	11/02/23	3,629.33	-	21.72	0.00	3,607.61
MW - 2	01/03/23	3,629.43	22.58	22.62	0.04	3,606.84
MW - 2	01/30/23	3,629.43	22.59	22.70	0.11	3,606.82
MW - 2	02/22/23	3,629.43	22.67	22.71	0.04	3,606.75
MW - 2	03/10/23	3,629.43	22.59	22.64	0.05	3,606.83
MW - 2	03/20/23	3,629.43	-	26.68	0.00	3,602.75
MW - 2	04/03/23	3,629.43	-	22.72	0.00	3,606.71
MW - 2	04/18/23	3,629.43	-	22.71	0.00	3,606.72
MW - 2	05/17/23	3,629.43	22.69	22.72	0.03	3,606.74
MW - 2	05/18/23	3,629.43	22.69	22.72	0.03	3,606.74
MW - 2	05/26/23	3,629.43	-	22.63	0.00	3,606.80
MW - 2	06/02/23	3,629.43	-	22.76	0.00	3,606.67
MW - 2	07/10/23	3,629.43	-	22.95	0.00	3,606.48
MW - 2	07/21/23	3,629.43	-	22.99	0.00	3,606.44
MW - 2	08/01/23	3,629.43	-	22.88	0.00	3,606.55
MW - 2	10/17/23	3,629.43	20.70	22.72	0.02	3,606.73
MW - 2	11/02/23	3,629.43	-	22.62	0.02	3,606.83
MW - 2	11/14/23	3,629.43	-	22.62	0.00	3,606.81
MW - 2	11/22/23	3,629.43	-	22.80	0.00	3,606.63
MW - 3A	01/03/23	-	23.18	24.17	0.99	-
MW - 3A	01/30/23	-	23.31	24.17	0.86	-
MW - 3A	02/22/23	-	23.36	24.30	0.94	-
MW - 3A	03/10/23	-	23.19	24.20	1.01	-
MW - 3A	03/20/23	-	23.23	24.10	0.87	-
MW - 3A	04/03/23	-	23.38	23.92	0.54	-
MW - 3A	05/17/23	-	23.40	23.72	0.32	-
MW - 3A	05/18/23	-	23.40	23.72	0.32	-
MW - 3A	05/26/23	-	23.32	23.44	0.12	-
MW - 3A	06/02/23	-	23.43	23.55	0.12	-
MW - 3A	06/21/23	-	23.42	23.52	0.10	-
MW - 3A	07/10/23	-	23.47	23.74	0.27	-
MW - 3A	07/21/23	-	23.46	23.54	0.08	-
MW - 3A	08/01/23	-	23.45	23.65	0.20	-
MW - 3A	08/25/23	-	23.40	23.90	0.50	-
MW - 3A	10/17/23	-	23.25	24.00	0.75	-
MW - 3A	11/02/23	-	23.38	24.09	0.71	-

TABLE 1

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	11/14/23	-	23.58	24.05	0.47	-
MW - 3A	11/22/23	-	23.30	23.80	0.50	-
MW - 4	02/22/23	3,629.97	-	20.55	0.00	3,609.42
MW - 4	05/18/23	3,629.97	-	20.52	0.00	3,609.45
MW - 4	08/01/23	3,629.97	-	20.54	0.00	3,609.43
MW - 4	11/02/23	3,629.97	-	20.50	0.00	3,609.47
MW - 5	02/22/23	3,629.36	-	21.76	0.00	3,607.60
MW - 5	05/18/23	3,629.36	-	21.71	0.00	3,607.65
MW - 5	08/01/23	3,629.36	-	21.73	0.00	3,607.63
MW - 5	11/02/23	3,629.36	-	21.65	0.00	3,607.71
MW - 6	02/22/23	3,629.17	-	24.27	0.00	3,604.90
MW - 6	05/18/23	3,629.17	-	24.25	0.00	3,604.92
MW - 6	08/01/23	3,629.17	-	24.32	0.00	3,604.85
MW - 6	11/02/23	3,629.17	-	24.12	0.00	3,605.05
MW - 7	02/22/23	3,628.07	-	22.96	0.00	3,605.11
MW - 7	05/18/23	3,628.07	-	23.02	0.00	3,605.05
MW - 7	08/01/23	3,628.07	-	23.05	0.00	3,605.02
MW - 7	11/02/23	3,628.07	-	23.00	0.00	3,605.07

TABLE 2

2023 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	02/23/23	<0.00100	0.00276	<0.00100	0.02591	
MW - 1	05/18/23	<0.00100	0.00249	0.00177	0.00261	
MW - 1	08/01/23	<0.00100	0.00220	<0.00100	0.00243	
MW - 1	11/02/23	<0.00100	<0.00100	0.00182	0.00140	
MW - 2	02/23/23	<0.00100	0.00178	0.00115	0.00314	
MW - 2	05/18/23	<0.00100	0.00288	0.00246	0.00233	
MW - 2	08/01/23	0.00169	0.00492	0.00380	0.01837	
MW - 2	11/02/23	<0.00100	<0.00100	0.00251	0.00206	
MW - 3A	02/23/23	0.00861	0.0384	0.0460	0.1151	
MW - 3A	05/18/23	0.00322	0.00777	0.00426	0.01740	
MW - 3A	08/01/23	0.00534	0.01920	0.01360	0.0377	
MW - 3A	11/02/23	0.00136	0.00135	<0.00100	0.0167	
MW - 4	02/23/23	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 4	05/18/23	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 4	08/01/23	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 4	11/02/23	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 5	02/23/23	Not Sampled on Current Sample Schedule				
MW - 5	05/18/23	Not Sampled on Current Sample Schedule				
MW - 5	07/31/23	Not Sampled on Current Sample Schedule				
MW - 5	11/02/23	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 6	02/23/23	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 6	05/18/23	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 6	08/01/23	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 6	11/02/23	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 7	02/23/23	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 7	05/18/23	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 7	08/01/23	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 7	11/02/23	<0.00100	<0.00100	<0.00100	<0.00200	

TABLE 3

2023 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	11/02/23	Not Sampled as part of Quarterly Monitoring Event.																		
MW-2	11/02/23	Not Sampled as part of Quarterly Monitoring Event.																		
MW-3A	11/02/23	<0.0020	0.0035	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	**0.021**	<0.0020	**0.032**	<0.0020	<0.0020		**0.286**		<0.0020
MW-4	11/02/23	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	11/02/23	Not Sampled as part of Quarterly Monitoring Event.																		
MW-6	11/02/23	Not Sampled as part of Quarterly Monitoring Event.																		
MW-7	11/02/23	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 - 1	02/22/23	3,629.33	-	21.78	0.00	3,607.55
MW - 1	05/18/23	3,629.33	-	21.81	0.00	3,607.52
MW - 1	07/31/23	3,629.33	-	21.88	0.00	3,607.45
MW - 1	11/02/23	3,629.33	-	21.72	0.00	3,607.61
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

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	10/12/01	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
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

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	07/31/03	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
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

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	07/12/04	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
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

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	04/04/05	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
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

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	01/26/06	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
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

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	03/07/07	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
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

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	02/21/08	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
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

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	01/16/09	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
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

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	08/31/09	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
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

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	05/12/10	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
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

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	06/24/11	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
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

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	04/23/12	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
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

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	05/02/13	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
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

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	04/15/14	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
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

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	06/05/15	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
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

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	03/08/16	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
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

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	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
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

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	09/19/17	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
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

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	09/05/18	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
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

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	02/03/21	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
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 - 2	01/03/23	3,629.43	22.58	22.62	0.04	3,606.84
MW - 2	01/30/23	3,629.43	22.59	22.70	0.11	3,606.82
MW - 2	02/22/23	3,629.43	22.67	22.71	0.04	3,606.75
MW - 2	03/10/23	3,629.43	22.59	22.64	0.05	3,606.83
MW - 2	03/20/23	3,629.43	-	26.68	0.00	3,602.75

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	04/03/23	3,629.43	-	22.72	0.00	3,606.71
MW - 2	04/18/23	3,629.43	-	22.71	0.00	3,606.72
MW - 2	05/17/23	3,629.43	22.69	22.72	0.03	3,606.74
MW - 2	05/18/23	3,629.43	22.69	22.72	0.03	3,606.74
MW - 2	05/26/23	3,629.43	-	22.63	0.00	3,606.80
MW - 2	06/02/23	3,629.43	-	22.76	0.00	3,606.67
MW - 2	07/10/23	3,629.43	-	22.95	0.00	3,606.48
MW - 2	07/21/23	3,629.43	-	22.99	0.00	3,606.44
MW - 2	08/01/23	3,629.43	-	22.88	0.00	3,606.55
MW - 2	10/17/23	3,629.43	20.70	22.72	0.02	3,606.73
MW - 2	11/02/23	3,629.43	-	22.62	0.02	3,606.83
MW - 2	11/14/23	3,629.43	-	22.62	0.00	3,606.81
MW - 2	11/22/23	3,629.43	-	22.80	0.00	3,606.63
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
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

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	08/27/02	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
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

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	12/31/03	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
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

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	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
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

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	08/30/05	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
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

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	05/16/06	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
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

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	07/24/07	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
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

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	06/24/08	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
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

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	04/21/09	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
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

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	12/18/09	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
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

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	08/27/10	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
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

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	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
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

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	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
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

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	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
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

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	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
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

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	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
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

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	06/29/16	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
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

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	05/01/17	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
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

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	02/19/18	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
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

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	01/10/19	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
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	-

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	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	-
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 - 3A	01/03/23	-	23.18	24.17	0.99	-
MW - 3A	01/30/23	-	23.31	24.17	0.86	-
MW - 3A	02/22/23	-	23.36	24.30	0.94	-
MW - 3A	03/10/23	-	23.19	24.20	1.01	-

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 - 3A	03/20/23	-	23.23	24.10	0.87	-
MW - 3A	04/03/23	-	23.38	23.92	0.54	-
MW - 3A	05/17/23	-	23.40	23.72	0.32	-
MW - 3A	05/18/23	-	23.40	23.72	0.32	-
MW - 3A	05/26/23	-	23.32	23.44	0.12	-
MW - 3A	06/02/23	-	23.43	23.55	0.12	-
MW - 3A	06/21/23	-	23.42	23.52	0.10	-
MW - 3A	07/10/23	-	23.47	23.74	0.27	-
MW - 3A	07/21/23	-	23.46	23.54	0.08	-
MW - 3A	08/01/23	-	23.45	23.65	0.20	-
MW - 3A	08/25/23	-	23.40	23.90	0.50	-
MW - 3A	10/17/23	-	23.25	24.00	0.75	-
MW - 3A	11/02/23	-	23.38	24.09	0.71	-
MW - 3A	11/14/23	-	23.58	24.05	0.47	-
MW - 3A	11/22/23	-	23.30	23.80	0.50	-
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

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	03/10/06	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
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

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	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
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

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	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
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

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	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
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 - 4	02/22/23	3,629.97	-	20.55	0.00	3,609.42
MW - 4	05/18/23	3,629.97	-	20.52	0.00	3,609.45
MW - 4	08/01/23	3,629.97	-	20.54	0.00	3,609.43
MW - 4	11/02/23	3,629.97	-	20.50	0.00	3,609.47
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

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	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
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

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	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
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

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	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
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

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	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 - 5	02/22/23	3,629.36	-	21.76	0.00	3,607.60
MW - 5	05/18/23	3,629.36	-	21.71	0.00	3,607.65
MW - 5	08/01/23	3,629.36	-	21.73	0.00	3,607.63
MW - 5	11/02/23	3,629.36	-	21.65	0.00	3,607.71
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
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

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	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
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

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	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
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

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	11/14/18	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
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 - 6	02/22/23	3,629.17	-	24.27	0.00	3,604.90

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 - 6	05/18/23	3,629.17	-	24.25	0.00	3,604.92
MW - 6	08/01/23	3,629.17	-	24.32	0.00	3,604.85
MW - 6	11/02/23	3,629.17	-	24.12	0.00	3,605.05
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
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

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	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
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

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	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
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

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	05/07/19	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
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
MW - 7	02/22/23	3,628.07	-	22.96	0.00	3,605.11
MW - 7	05/18/23	3,628.07	-	23.02	0.00	3,605.05
MW - 7	08/01/23	3,628.07	-	23.05	0.00	3,605.02
MW - 7	11/02/23	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 - 1	02/23/23	<0.00100	0.00276	<0.00100	0.02591	
MW - 1	05/18/23	<0.00100	0.00249	0.00177	0.00261	
MW - 1	08/01/23	<0.00100	0.00220	<0.00100	0.00243	
MW - 1	11/02/23	<0.00100	<0.00100	0.00182	0.00140	
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				

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	02/26/08	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	
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	

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	11/01/17	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	
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 - 2	02/23/23	<0.00100	0.00178	0.00115	0.00314	
MW - 2	05/18/23	<0.00100	0.00288	0.00246	0.00233	
MW - 2	08/01/23	0.00169	0.00492	0.00380	0.01837	
MW - 2	11/02/23	<0.00100	<0.00100	0.00251	0.00206	
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				

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	02/26/08	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	
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				

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	02/19/18	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				
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 - 3A	02/23/23	0.00861	0.0384	0.0460	0.1151	
MW - 3A	05/18/23	0.00322	0.00777	0.00426	0.01740	
MW - 3A	08/01/23	0.00534	0.01920	0.01360	0.0377	
MW - 3A	11/02/23	0.00136	0.0014	<0.00100	0.0167	
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

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	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				
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				

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	05/12/12	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				
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	

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	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 - 4	02/23/23	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 4	05/18/23	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 4	08/01/23	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 4	11/02/23	<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
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				

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	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				
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	

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	02/08/16	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	
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 - 5	02/23/23	Not Sampled on Current Sample Schedule				
MW - 5	05/18/23	Not Sampled on Current Sample Schedule				
MW - 5	07/31/23	Not Sampled on Current Sample Schedule				
MW - 5	11/02/23	<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

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	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				
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	

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	02/07/11	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	
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				

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	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 - 6	02/23/23	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 6	05/18/23	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 6	08/01/23	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 6	11/02/23	<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
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	

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	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	
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				

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	05/19/15	<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				
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	
MW - 7	02/23/23	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 7	05/18/23	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 7	08/01/23	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 7	11/02/23	<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-1	11/02/23	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.																		

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	11/29/21	Not Sampled as part of Quarterly Monitoring Event.																		
MW-2	11/03/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-2	11/02/23	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-3A	11/02/23	<0.0020	0.0035	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	**0.021**	<0.0020	**0.032**	<0.0020	<0.0020	**0.286**			<0.0020
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.																		

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	11/10/16	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.																		
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-4	11/02/23	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-5	11/02/23	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.																		

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

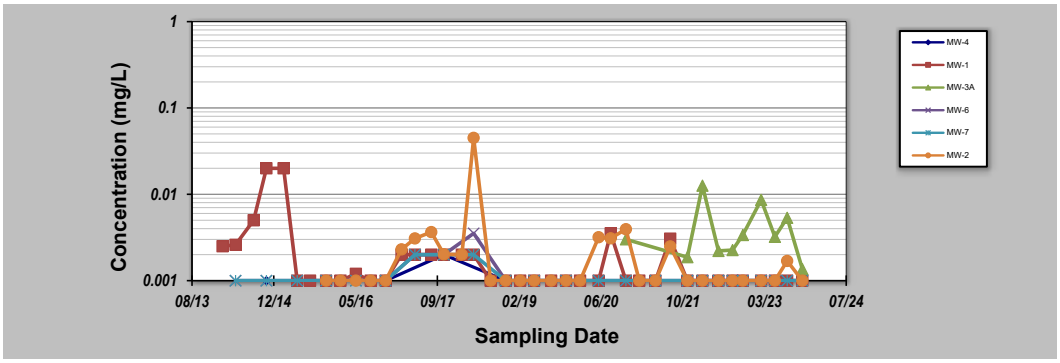
SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	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	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.																		
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-6	11/02/23	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.																		
MW-7	11/02/23	Not Sampled as part of Quarterly Monitoring Event.																		

TABLE 7

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: Benzene
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	02/17/14		0.00250					
2	05/07/14		0.00260		0.00100	0.00100		
3	08/26/14		0.00500					
4	11/12/14	0.00100	0.0200		0.00100	0.00100		
5	02/25/15		0.0200					
6	05/19/15		0.00100		0.00100	0.00100		
7	08/06/15		0.00100					
8	11/12/15	0.00100	0.00100		0.00100	0.00100	0.00100	
9	02/08/16		0.00100				0.00100	
10	05/12/16		0.00120		0.00100	0.00100	0.00100	
11	08/11/16		0.00100				0.00100	
12	11/10/16	0.00100	0.00100		0.00100	0.00100	0.00100	
13	02/15/17		0.00200				0.00230	
14	05/08/17		0.00200		0.00200	0.00200	0.00308	
15	08/16/17		0.00200				0.00365	
16	11/01/17	0.00200	0.00200		0.00200	0.00200	0.00202	
17	02/19/18		0.00200				0.00200	
18	05/02/18		0.00200		0.00353	0.00200	0.0450	
19	08/14/18		0.00100				0.00100	
20	11/14/18	0.00100	0.00100		0.00100	0.00100	0.00100	
21	02/11/19		0.00100				0.00100	
22	05/07/19		0.00100		0.00100	0.00100	0.00100	
23	08/19/19		0.00100				0.00100	
24	11/18/19	0.00100	0.00100		0.00100	0.00100	0.00100	
25	02/12/20		0.00100				0.00100	
26	06/04/20		0.00100		0.00100	0.00100	0.00318	
27	08/17/20		0.00353				0.00309	
28	11/18/20	0.00100	0.00100	0.00301	0.00100	0.00100	0.00394	
29	02/08/21		0.00100				0.00100	
30	05/18/21		0.00100		0.00100	0.00100	0.00100	
31	08/16/21		0.00306				0.00249	
32	11/29/21	0.00100	0.00100	0.00187	0.00100	0.00100	0.00100	
33	03/01/22	0.00100	0.00100	0.0126	0.00100	0.00100	0.00100	
34	06/07/22	0.00100	0.00100	0.00221	0.00100	0.00100	0.00100	
35	09/01/22	0.00100	0.00100	0.00226	0.00100	0.00100	0.00100	
36	11/03/22	0.00100	0.00100	0.00338	0.00100	0.00100	0.00100	
37	02/23/23	0.00100	0.00100	0.00861	0.00100	0.00100	0.00100	
38	05/18/23	0.00100	0.00100	0.00322	0.00100	0.00100	0.00100	
39	08/01/23	0.00100	0.00100	0.00534	0.00100	0.00100	0.00169	
40	11/02/23	0.00100	0.00100	0.00136	0.00100	0.00100	0.00100	
Coefficient of Variation:		0.25	1.73	0.83	0.49	0.31	2.65	
Mann-Kendall Statistic (S):		-7	-203	8	-19	-21	-43	
Confidence Factor:		62.6%	99.5%	80.1%	69.2%	71.1%	76.1%	
Concentration Trend:		Stable	Decreasing	No Trend	Stable	Stable	No Trend	



Notes:

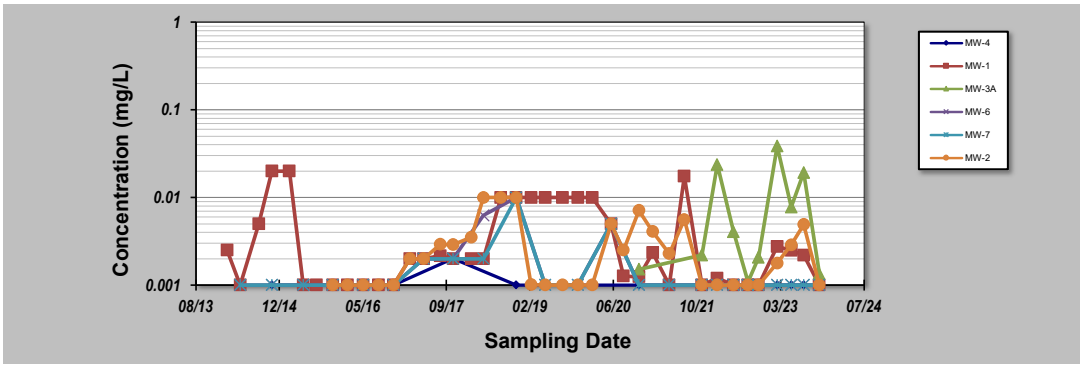
1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably 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	02/17/14		0.00250					
2	05/07/14		0.00100		0.00100	0.00100		
3	08/26/14		0.00500					
4	11/12/14	0.001	0.0200		0.00100	0.00100		
5	02/25/15		0.0200					
6	05/19/15		0.00100		0.00100	0.00100		
7	08/06/15		0.00100					
8	11/12/15	0.00100	0.00100		0.00100	0.00100	0.00100	
9	02/08/16		0.00100				0.00100	
10	05/12/16		0.00100		0.00100	0.00100	0.00100	
11	08/11/16		0.00100				0.00100	
12	11/10/16	0.00100	0.00100		0.00100	0.00100	0.00100	
13	02/15/17		0.00200				0.00200	
14	05/08/17		0.00200		0.00200	0.00200	0.00200	
15	08/16/17		0.00216				0.00291	
16	11/01/17	0.00200	0.00200		0.00200	0.00200	0.00289	
17	02/19/18		0.00200				0.00352	
18	05/02/18		0.00200		0.00623	0.00200	0.0100	
19	08/14/18		0.0100				0.0100	
20	11/14/18	0.00100	0.0100		0.0100	0.0100	0.0100	
21	02/11/19		0.01000				0.00101	
22	05/07/19		0.01000		0.00100	0.00100	0.00100	
23	08/19/19		0.01000				0.00100	
24	11/18/19	0.00100	0.01000		0.00100	0.00100	0.00100	
25	02/12/20		0.01000				0.00100	
26	06/04/20		0.00500		0.00500	0.00500	0.00500	
27	08/17/20		0.00127				0.00250	
28	11/18/20	0.00100	0.00125	0.00151	0.00100	0.00100	0.00710	
29	02/08/21		0.00234				0.00408	
30	05/18/21		0.00100		0.00100	0.00100	0.00228	
31	08/16/21		0.0175				0.00559	
32	11/29/21	0.00100	0.00100	0.00220	0.00100	0.00100	0.00100	
33	03/01/22	0.00100	0.00120	0.0237	0.00100	0.00100	0.00100	
34	06/07/22	0.00100	0.00100	0.00404	0.00100	0.00100	0.00100	
35	09/01/22	0.00100	0.00100	0.00109	0.00100	0.00100	0.00100	
36	11/03/22	0.00100	0.00100	0.00207	0.00100	0.00100	0.00100	
37	02/23/23	0.00100	0.00276	0.0384	0.00100	0.00100	0.00178	
38	05/18/23	0.00100	0.00249	0.00777	0.00100	0.00100	0.00288	
39	08/01/23	0.00100	0.00220	0.0192	0.00100	0.00100	0.00492	
40	11/02/23	0.00100	0.00100	0.00135	0.00100	0.00100	0.00100	
Coefficient of Variation:		0.25	1.18	1.35	1.18	1.19	0.98	
Mann-Kendall Statistic (S):		-7	12	8	-16	-16	18	
Confidence Factor:		62.6%	55.5%	80.1%	66.2%	66.2%	61.3%	
Concentration Trend:		Stable	No Trend	No Trend	No Trend	No Trend	No Trend	



Notes:

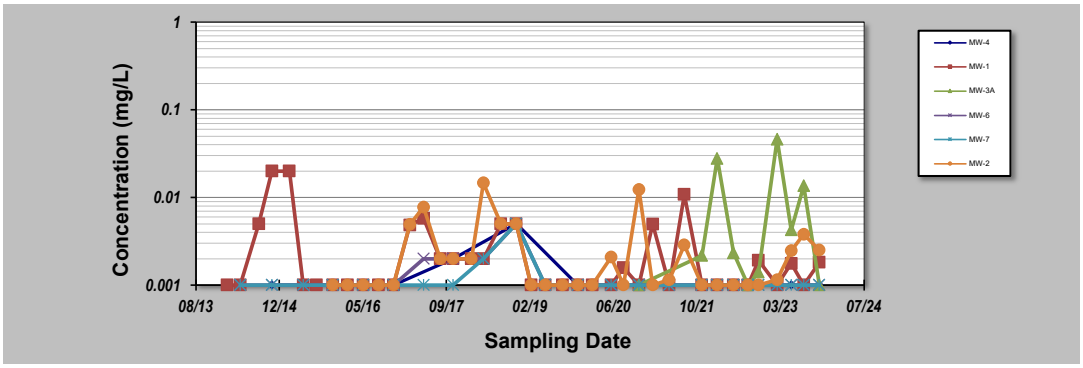
1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably 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	02/17/14		0.00100					
2	05/07/14		0.00100		0.00100	0.00100		
3	08/26/14		0.00500					
4	11/12/14	0.00100	0.0200		0.00100	0.00100		
5	02/25/15		0.0200					
6	05/19/15		0.00100		0.00100	0.00100		
7	08/06/15		0.00100					
8	11/12/15	0.00100	0.00100		0.00100	0.00100	0.00100	
9	02/08/16		0.00100				0.00100	
10	05/12/16		0.00100		0.00100	0.00100	0.00100	
11	08/11/16		0.00100				0.00100	
12	11/10/16	0.00100	0.00100		0.00100	0.00100	0.00100	
13	02/15/17		0.00482				0.00490	
14	05/08/17		0.00578		0.00200	0.00100	0.00776	
15	08/16/17		0.00200				0.00200	
16	11/01/17	0.00200	0.00200		0.00200	0.00100	0.00200	
17	02/19/18		0.00200				0.00200	
18	05/02/18		0.00200		0.00200	0.00200	0.0146	
19	08/14/18		0.00500				0.00500	
20	11/14/18	0.00500	0.00500		0.00500	0.00500	0.00500	
21	02/11/19		0.00100				0.00100	
22	05/07/19		0.00100		0.00100	0.00100	0.00100	
23	08/19/19		0.00100				0.00100	
24	11/18/19	0.00100	0.00100		0.00100	0.00100	0.00100	
25	02/12/20		0.00100				0.00100	
26	06/04/20		0.00100		0.00100	0.00100	0.00208	
27	08/17/20		0.00158				0.00100	
28	11/18/20	0.00100	0.00100	0.00100	0.00100	0.00100	0.0123	
29	02/08/21		0.00497				0.00100	
30	05/18/21		0.00100		0.00100	0.00100	0.00115	
31	08/16/21		0.0108				0.00286	
32	11/29/21	0.00100	0.00100	0.00217	0.00100	0.00100	0.00100	
33	03/01/22	0.00100	0.00100	0.0278	0.00100	0.00100	0.00100	
34	06/07/22	0.00100	0.00100	0.00232	0.00100	0.00100	0.00100	
35	09/01/22	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	
36	11/03/22	0.00100	0.00191	0.00140	0.00100	0.00100	0.00100	
37	02/23/23	0.00100	0.00100	0.0460	0.00100	0.00100	0.00115	
38	05/18/23	0.00100	0.00177	0.00426	0.00100	0.00100	0.00246	
39	08/01/23	0.00100	0.00100	0.0136	0.00100	0.00100	0.00380	
40	11/02/23	0.00100	0.00182	0.00100	0.00100	0.00100	0.00251	
Coefficient of Variation:		0.77	1.49	1.52	0.66	0.69	1.20	
Mann-Kendall Statistic (S):		-15	-63	6	-29	-11	21	
Confidence Factor:		73.3%	76.4%	66.8%	75.4%	59.7%	62.1%	
Concentration Trend:		Stable	No Trend	No Trend	Stable	Stable	No Trend	



Notes:

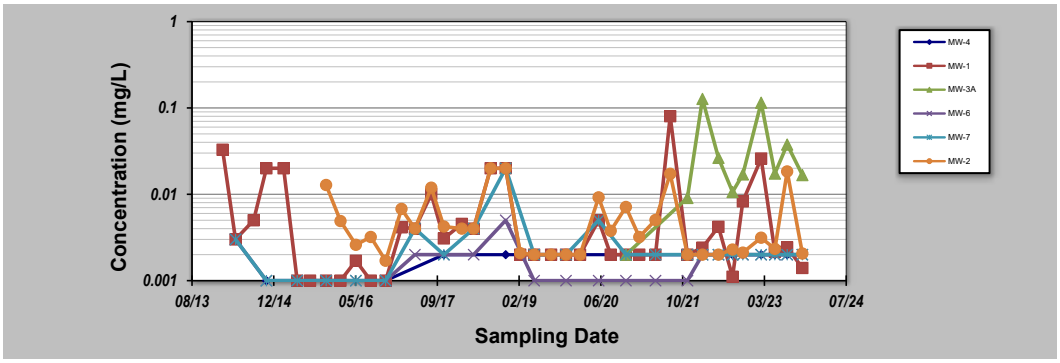
1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably 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 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	02/17/14		0.0328					
2	05/07/14		0.00300		0.00300	0.00300		
3	08/26/14		0.00500					
4	11/12/14	0.00100	0.0200		0.00100	0.00100		
5	02/25/15		0.0200					
6	05/19/15		0.00100		0.00100	0.00100		
7	08/06/15		0.00100					
8	11/12/15	0.00100	0.00100		0.00100	0.00100	0.0128	
9	02/08/16		0.00100				0.00490	
10	05/12/16		0.00170		0.00100	0.00100	0.00260	
11	08/11/16		0.00100				0.00320	
12	11/10/16	0.00100	0.00100		0.00100	0.00100	0.00170	
13	02/15/17		0.00414				0.00677	
14	05/08/17		0.00400		0.00200	0.00400	0.00400	
15	08/16/17		0.01001				0.01192	
16	11/01/17	0.002	0.00308		0.00200	0.002	0.00423	
17	02/19/18		0.00454				0.00400	
18	05/02/18		0.00400		0.00200	0.00400	0.00400	
19	08/14/18		0.0200				0.0200	
20	11/14/18	0.002	0.0200		0.00500	0.0200	0.0200	
21	02/11/19		0.00200				0.00208	
22	05/07/19		0.00200		0.00100	0.00200	0.00200	
23	08/19/19		0.00200				0.00200	
24	11/18/19	0.00200	0.00200		0.00100	0.00200	0.00200	
25	02/12/20		0.00200				0.00200	
26	06/04/20		0.00500		0.00100	0.00500	0.00920	
27	08/17/20		0.00200				0.00377	
28	11/18/20	0.00200	0.00200	0.00200	0.00100	0.00200	0.00713	
29	02/08/21		0.00200				0.00320	
30	05/18/21		0.00200		0.00100	0.00200	0.00504	
31	08/16/21		0.0802				0.01726	
32	11/29/21	0.00200	0.00200	0.00908	0.00100	0.00200	0.00200	
33	03/01/22	0.00200	0.00241	0.1273	0.00200	0.00200	0.00200	
34	06/07/22	0.00200	0.00420	0.02642	0.00200	0.00200	0.00200	
35	09/01/22	0.00200	0.00111	0.01064	0.00200	0.00200	0.00229	
36	11/03/22	0.00200	0.00828	0.01699	0.00200	0.00200	0.00211	
37	02/23/23	0.00200	0.02591	0.1151	0.00200	0.00200	0.00314	
38	05/18/23	0.00200	0.00216	0.0174	0.00200	0.00200	0.00233	
39	08/01/23	0.00200	0.00243	0.0377	0.00200	0.00200	0.01837	
40	11/02/23	0.00200	0.00140	0.0167	0.00200	0.00200	0.00206	
Coefficient of Variation:		0.23	1.79	1.17	0.55	1.33	0.96	
Mann-Kendall Statistic (S):		36	43	14	49	32	-62	
Confidence Factor:		95.9%	69.3%	91.0%	89.6%	79.2%	83.7%	
Concentration Trend:		Increasing	No Trend	Prob. Increasing	No Trend	No Trend	Stable	



Notes:

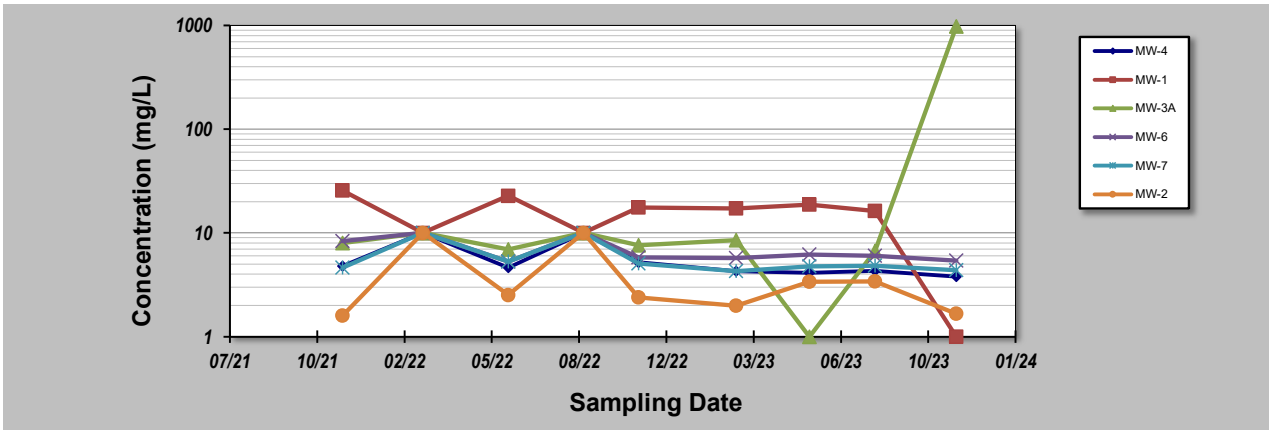
1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably 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	
6	02/23/23	4.27	17.2	8.55	5.74	4.27	1.99	
7	05/18/23	4.12	18.8	1.00	6.19	4.75	3.38	
8	08/01/23	4.32	16.3	6.70	6.00	4.84	3.40	
9	11/02/23	3.80	1.00	979	5.42	4.38	1.66	
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.44	0.48	2.81	0.28	0.39	0.83	
Mann-Kendall Statistic (S):		-21	-13	-3	-11	-13	-3	
Confidence Factor:		98.3%	89.0%	58.0%	84.6%	89.0%	58.0%	
Concentration Trend:		Decreasing	Stable	No Trend	Stable	Stable	Stable	



Notes:

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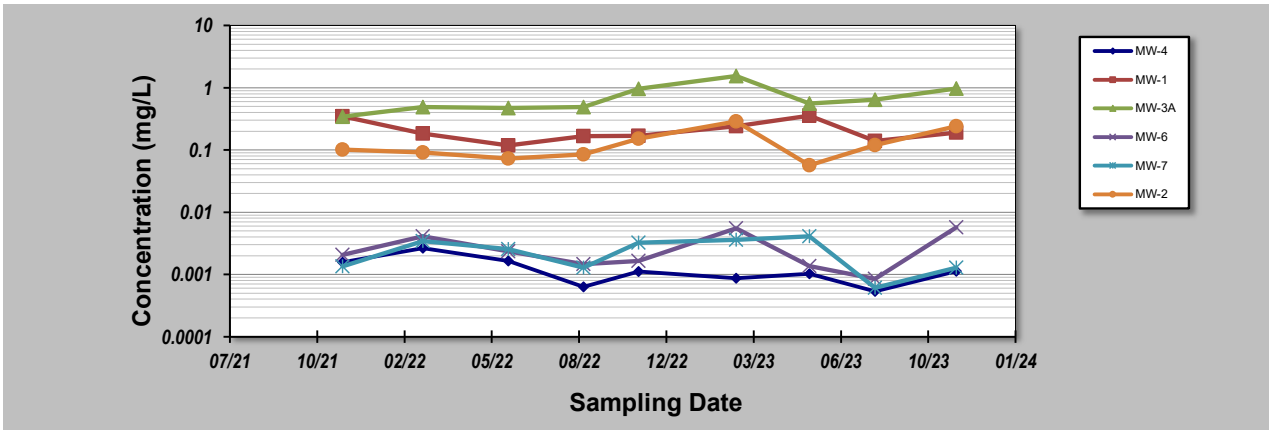
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology 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	
6	02/23/23	0.000868	0.242	1.55	0.00553	0.00361	0.289	
7	05/18/23	0.00102	0.355	0.560	0.00136	0.00412	0.0568	
8	08/01/23	0.000534	0.14	0.645	0.000844	0.000607	0.120	
9	11/02/23	0.00113	0.191	0.979	0.00570	0.00129	0.241	
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.52	0.40	0.53	0.66	0.53	0.59	
Mann-Kendall Statistic (S):		-14	2	23	-4	-1	8	
Confidence Factor:		91.0%	54.0%	99.1%	61.9%	50.0%	76.2%	
Concentration Trend:		Prob. Decreasing	No Trend	Increasing	Stable	Stable	No Trend	



Notes:

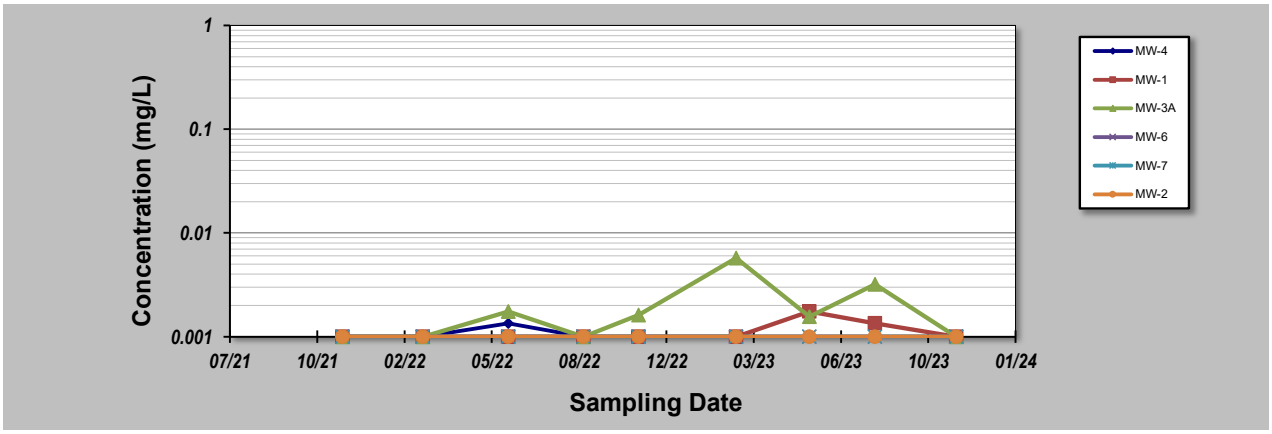
1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably 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 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
6	02/23/23	0.00100	0.00100	0.00571	0.00100	0.00100	0.00100
7	05/18/23	0.00100	0.00175	0.00156	0.00100	0.00100	0.00100
8	08/01/23	0.00100	0.00134	0.00320	0.00100	0.00100	0.00100
9	11/02/23	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
Coefficient of Variation:		0.11	0.23	0.79	0.00	0.00	0.00
Mann-Kendall Statistic (S):		-4	9	8	0	0	0
Confidence Factor:		61.9%	79.2%	76.2%	46.0%	46.0%	46.0%
Concentration Trend:		Stable	No Trend	No Trend	Stable	Stable	Stable



Notes:

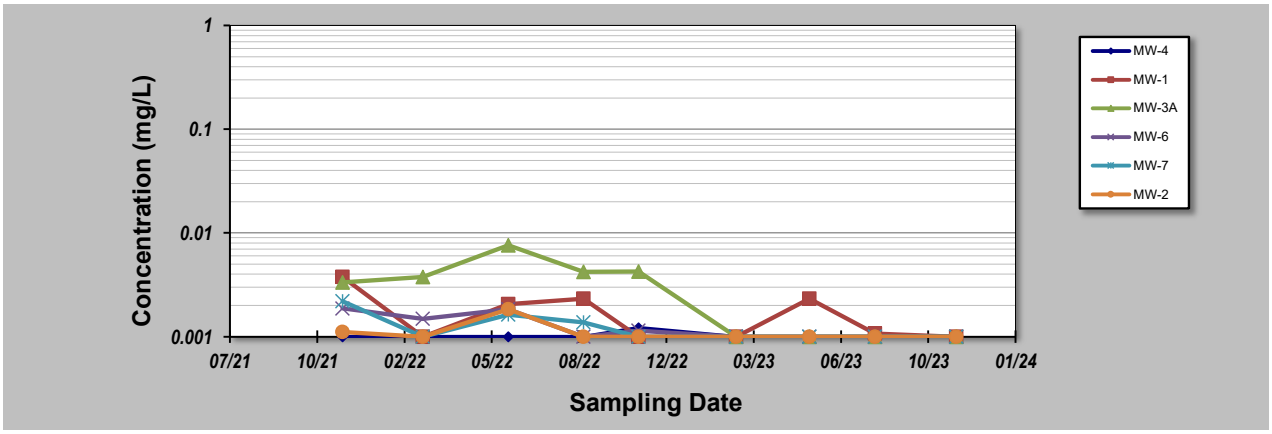
1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably 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
6	02/23/23	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100
7	05/18/23	0.00100	0.00232	0.00100	0.00100	0.00100	0.00100
8	08/01/23	0.00100	0.00107	0.00100	0.00100	0.00100	0.00100
9	11/02/23	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
Coefficient of Variation:		0.07	0.56	0.75	0.30	0.34	0.25
Mann-Kendall Statistic (S):		0	-9	-14	-22	-17	-11
Confidence Factor:		46.0%	79.2%	91.0%	98.8%	95.1%	84.6%
Concentration Trend:		Stable	Stable	Prob. Decreasing	Decreasing	Decreasing	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.*
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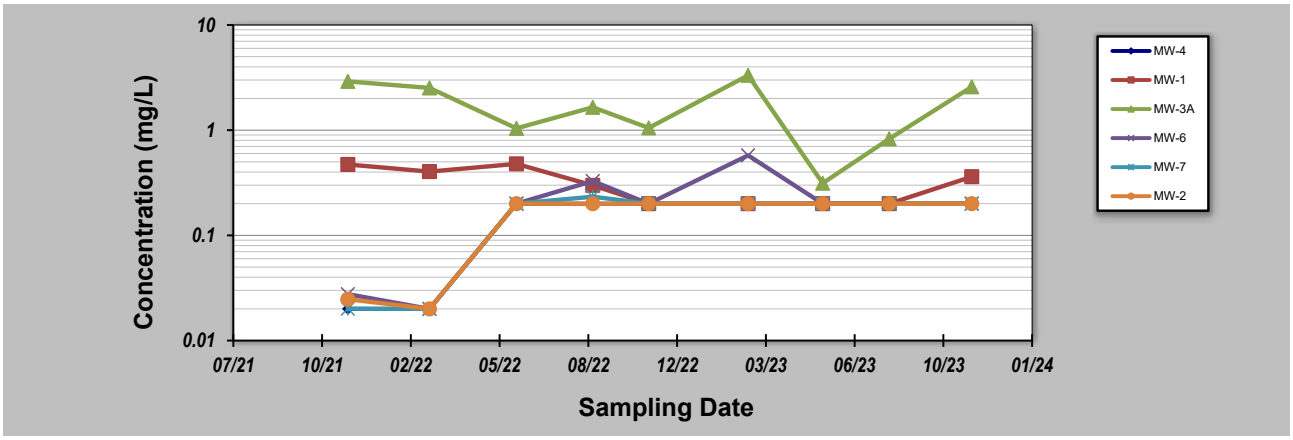
TABLE 15

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
6	02/23/23	0.200	0.200	3.32	0.576	0.200	0.200
7	05/18/23	0.200	0.200	0.313	0.200	0.200	0.200
8	08/01/23	0.200	0.200	0.827	0.200	0.200	0.200
9	11/02/23	0.200	0.361	2.58	0.200	0.200	0.200
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
Coefficient of Variation:		0.50	0.38	0.59	0.76	0.50	0.49
Mann-Kendall Statistic (S):		14	-16	-8	10	9	13
Confidence Factor:		91.0%	94.0%	76.2%	82.1%	79.2%	89.0%
Concentration Trend:		Prob. Increasing	Prob. Decreasing	Stable	No Trend	No Trend	No Trend



Notes:

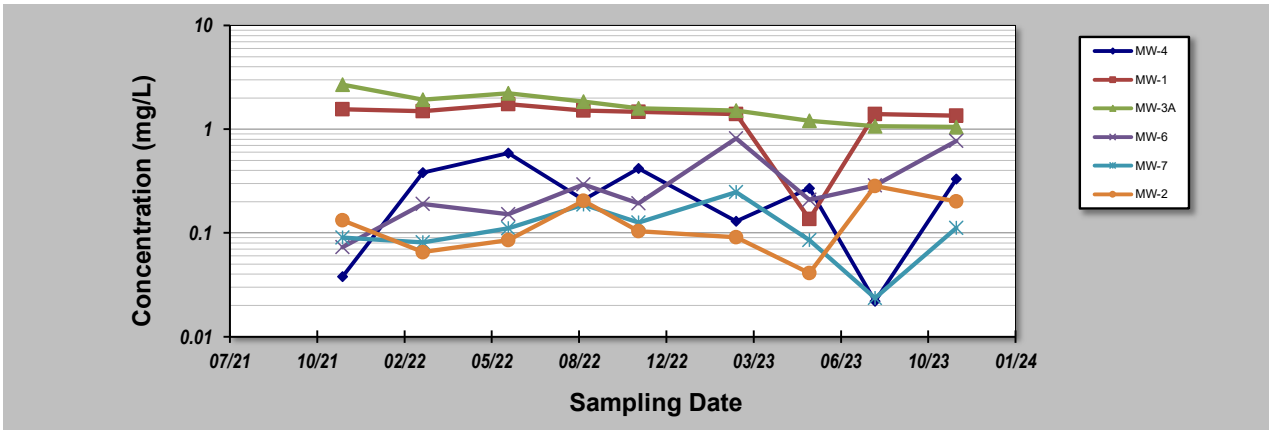
1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably 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	
6	02/23/23	0.130	1.40	1.51	0.818	0.247	0.0909	
7	05/18/23	0.269	0.136	1.21	0.209	0.0853	0.0410	
8	08/01/23	0.0220	1.40	1.07	0.287	0.0236	0.2830	
9	11/02/23	0.332	1.35	1.05	0.773	0.112	0.202	
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.70	0.35	0.33	0.82	0.55	0.59	
Mann-Kendall Statistic (S):		-4	-25	-34	22	2	6	
Confidence Factor:		61.9%	99.6%	>99.9%	98.8%	54.0%	69.4%	
Concentration Trend:		Stable	Decreasing	Decreasing	Increasing	No Trend	No Trend	



Notes:

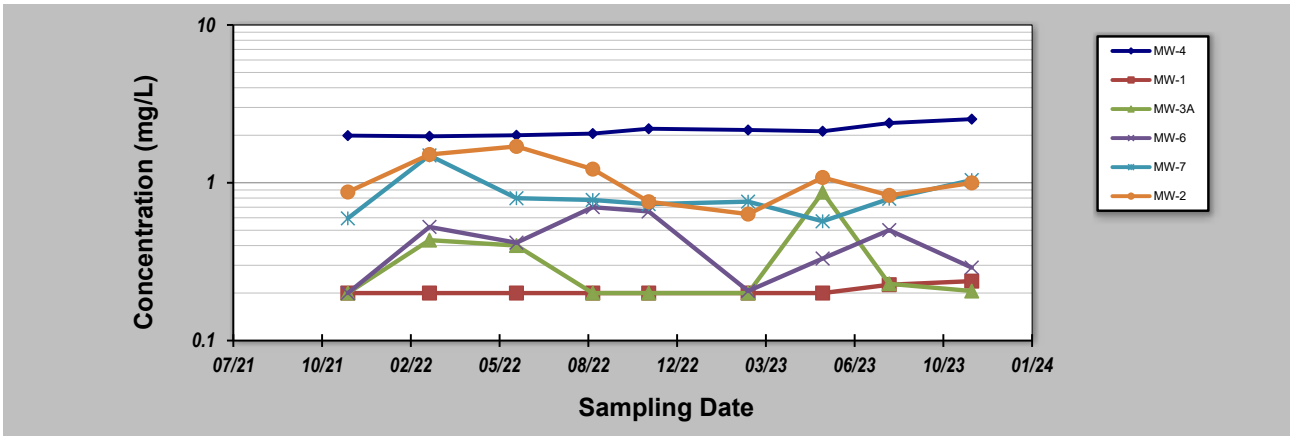
1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably 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 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
6	02/23/23	2.16	0.200	0.200	0.206	0.759	0.633
7	05/18/23	2.12	0.200	0.871	0.331	0.570	1.08
8	08/01/23	2.39	0.226	0.229	0.501	0.791	0.832
9	11/02/23	2.53	0.238	0.206	0.290	1.04	0.998
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
Coefficient of Variation:		0.09	0.07	0.69	0.43	0.33	0.33
Mann-Kendall Statistic (S):		28	15	2	-2	0	-10
Confidence Factor:		99.9%	92.5%	54.0%	54.0%	46.0%	82.1%
Concentration Trend:		Increasing	Prob. Increasing	No Trend	Stable	Stable	Stable



Notes:

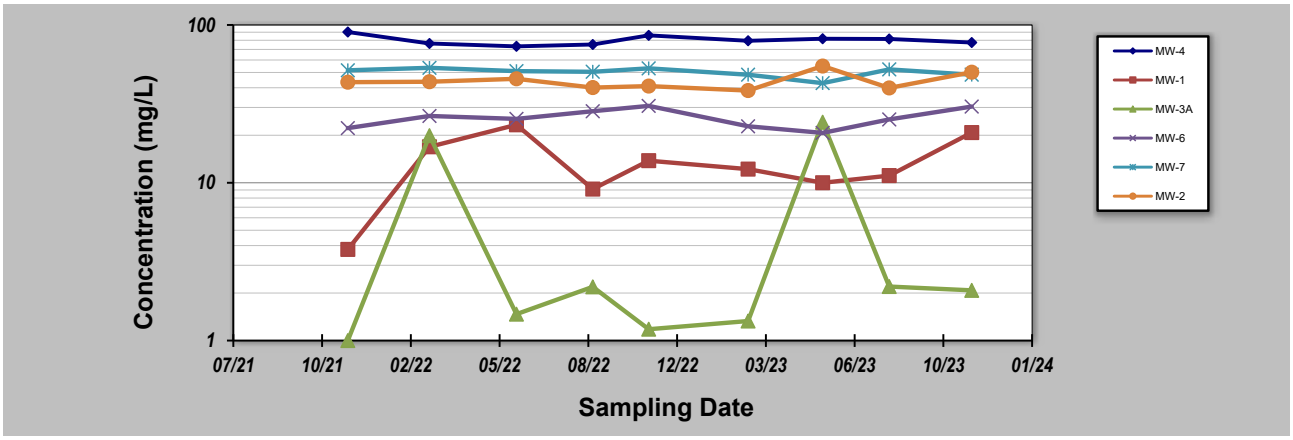
1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably 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 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	
6	02/23/23	79.4	12.2	1.33	22.8	48.4	38.4	
7	05/18/23	81.8	10.0	24.2	20.7	42.8	54.9	
8	08/01/23	81.5	11.1	2.20	25.2	52.3	39.9	
9	11/02/23	77.4	20.8	2.08	30.4	48.4	50.2	
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.07	0.45	1.47	0.14	0.07	0.12	
Mann-Kendall Statistic (S):		0	4	8	4	-15	0	
Confidence Factor:		46.0%	61.9%	76.2%	61.9%	92.5%	46.0%	
Concentration Trend:		Stable	No Trend	No Trend	No Trend	Prob. Decreasing	Stable	



Notes:

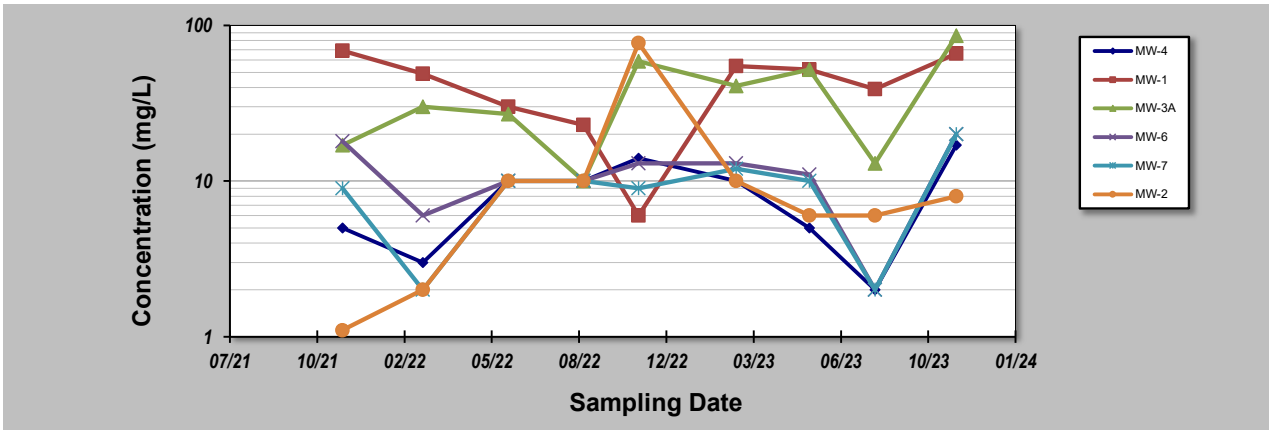
1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably 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	2/23/23	10.0	55.0	41.0	13.0	12.0	10.0	
7	05/18/23	5.00	52.0	52.0	11.0	10.0	6.00	
8	08/01/23	2.00	39.0	13.0	2.00	2.00	6.00	
9	11/02/23	17.0	66.0	86.0	20.0	20.0	8.00	
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.60	0.48	0.67	0.48	0.57	1.64	
Mann-Kendall Statistic (S):		6	0	12	4	11	6	
Confidence Factor:		69.4%	46.0%	87.0%	61.9%	84.6%	69.4%	
Concentration Trend:		No Trend	Stable	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.

APPENDICES

APPENDIX A:
2023 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: 3B24002

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 03/23/23

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	3B24002-01	Water	02/23/23 11:48	02-24-2023 09:15
MW-6	3B24002-02	Water	02/23/23 12:40	02-24-2023 09:15
MW-7	3B24002-03	Water	02/23/23 13:51	02-24-2023 09:15
MW-2	3B24002-04	Water	02/23/23 14:47	02-24-2023 09:15
MW-1	3B24002-05	Water	02/23/23 15:45	02-24-2023 09:15
MW-3A	3B24002-06	Water	02/23/23 16:57	02-24-2023 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

3B24002-01 (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	P3B2704	02/27/23 14:06	02/27/23 21:22	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3B2704	02/27/23 14:06	02/27/23 21:22	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3B2704	02/27/23 14:06	02/27/23 21:22	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3B2704	02/27/23 14:06	02/27/23 21:22	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3B2704	02/27/23 14:06	02/27/23 21:22	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*103 %*	*80-120*		*P3B2704*	*02/27/23 14:06*	*02/27/23 21:22*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*97.2 %*	*80-120*		*P3B2704*	*02/27/23 14:06*	*02/27/23 21:22*	*EPA 8021B*	
Ethane	ND	1.00	mg/L	1	P3C2216	03/23/23 10:38	03/02/23 10:56	8015M	SUB-13
Ethene	ND	1.00	mg/L	1	P3C2216	03/23/23 10:38	03/02/23 10:56	8015M	SUB-13
Methane	**0.000868**	0.000500	mg/L	1	P3C2216	03/23/23 10:38	03/02/23 10:56	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	**10.0**	2.00	mg/L	1	P3B2808	02/28/23 12:02	02/28/23 14:00	8000	QAL1
Nitrate as N	**2.16**	0.200	mg/L	1	P3B2411	02/24/23 15:51	02/24/23 18:58	EPA 300.0	
Sulfate	**79.4**	1.00	mg/L	1	P3B2411	02/24/23 15:51	02/24/23 18:58	EPA 300.0	
Total Organic Carbon	**4.27**	1.00	mg/L	1	P3C2217	03/08/23 01:29	03/08/23 01:29	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	ND	0.200	mg/L	1	P3B2107	03/16/23 13:30	03/17/23 13:11	EPA 6020A	SUB-13
Manganese	**0.130**	0.00500	mg/L	1	P3B2107	03/16/23 13:30	03/17/23 13:11	EPA 6020A	SUB-13

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

3B24002-02 (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	P3B2704	02/27/23 14:06	02/27/23 21:43	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3B2704	02/27/23 14:06	02/27/23 21:43	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3B2704	02/27/23 14:06	02/27/23 21:43	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3B2704	02/27/23 14:06	02/27/23 21:43	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3B2704	02/27/23 14:06	02/27/23 21:43	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*101 %*	*80-120*		*P3B2704*	*02/27/23 14:06*	*02/27/23 21:43*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*98.4 %*	*80-120*		*P3B2704*	*02/27/23 14:06*	*02/27/23 21:43*	*EPA 8021B*	
Ethane	ND	1.00	mg/L	1	P3C2216	03/23/23 10:38	03/02/23 11:19	8015M	SUB-13
Ethene	ND	1.00	mg/L	1	P3C2216	03/23/23 10:38	03/02/23 11:19	8015M	SUB-13
Methane	**0.00553**	0.00500	mg/L	1	P3C2216	03/23/23 10:38	03/02/23 11:19	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	**13.0**	2.00	mg/L	1	P3B2808	02/28/23 12:02	02/28/23 14:00	8000	QAL1
Nitrate as N	**0.206**	0.200	mg/L	1	P3B2411	02/24/23 15:51	02/24/23 19:59	EPA 300.0	
Sulfate	**22.8**	1.00	mg/L	1	P3B2411	02/24/23 15:51	02/24/23 19:59	EPA 300.0	
Total Organic Carbon	**5.74**	1.00	mg/L	1	P3C2217	03/08/23 01:56	03/08/23 01:56	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	**0.576**	0.200	mg/L	1	P3B2107	03/16/23 13:30	03/17/23 13:12	EPA 6020A	SUB-13
Manganese	**0.818**	0.00500	mg/L	1	P3B2107	03/16/23 13:30	03/17/23 13:12	EPA 6020A	SUB-13

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

3B24002-03 (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	P3B2704	02/27/23 14:06	02/27/23 22:48	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3B2704	02/27/23 14:06	02/27/23 22:48	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3B2704	02/27/23 14:06	02/27/23 22:48	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3B2704	02/27/23 14:06	02/27/23 22:48	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3B2704	02/27/23 14:06	02/27/23 22:48	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*101 %*	*80-120*		*P3B2704*	*02/27/23 14:06*	*02/27/23 22:48*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*97.8 %*	*80-120*		*P3B2704*	*02/27/23 14:06*	*02/27/23 22:48*	*EPA 8021B*	
Ethane	ND	1.00	mg/L	1	P3C2216	03/23/23 10:38	03/02/23 11:38	8015M	SUB-13
Ethene	ND	1.00	mg/L	1	P3C2216	03/23/23 10:38	03/02/23 11:38	8015M	SUB-13
Methane	**0.00361**	0.000500	mg/L	1	P3C2216	03/23/23 10:38	03/02/23 11:38	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	**12.0**	2.00	mg/L	1	P3B2808	02/28/23 12:02	02/28/23 14:00	8000	QAL1
Nitrate as N	**0.759**	0.200	mg/L	1	P3B2411	02/24/23 15:51	02/24/23 20:20	EPA 300.0	
Sulfate	**48.4**	1.00	mg/L	1	P3B2411	02/24/23 15:51	02/24/23 20:20	EPA 300.0	
Total Organic Carbon	**4.27**	1.00	mg/L	1	P3C2217	03/08/23 02:09	03/08/23 02:09	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	ND	0.200	mg/L	1	P3B2107	03/16/23 13:30	03/17/23 13:14	EPA 6020A	SUB-13
Manganese	**0.247**	0.00500	mg/L	1	P3B2107	03/16/23 13:30	03/17/23 13:14	EPA 6020A	SUB-13

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

3B24002-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3B2704	02/27/23 14:06	02/27/23 23:10	EPA 8021B	
Toluene	**0.00178**	0.00100	mg/L	1	P3B2704	02/27/23 14:06	02/27/23 23:10	EPA 8021B	
Ethylbenzene	**0.00115**	0.00100	mg/L	1	P3B2704	02/27/23 14:06	02/27/23 23:10	EPA 8021B	
Xylene (p/m)	**0.00203**	0.00200	mg/L	1	P3B2704	02/27/23 14:06	02/27/23 23:10	EPA 8021B	
Xylene (o)	**0.00111**	0.00100	mg/L	1	P3B2704	02/27/23 14:06	02/27/23 23:10	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*103 %*	*80-120*		*P3B2704*	*02/27/23 14:06*	*02/27/23 23:10*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.7 %*	*80-120*		*P3B2704*	*02/27/23 14:06*	*02/27/23 23:10*	*EPA 8021B*	
Ethane	ND	1.00	mg/L	1	P3C2216	03/23/23 10:38	03/02/23 12:10	8015M	SUB-13
Ethene	ND	1.00	mg/L	1	P3C2216	03/23/23 10:38	03/02/23 12:10	8015M	SUB-13
Methane	**0.289**	0.00500	mg/L	1	P3C2216	03/23/23 10:38	03/02/23 12:47	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	**10.0**	2.00	mg/L	1	P3B2808	02/28/23 12:02	02/28/23 14:00	8000	QAL1
Nitrate as N	**0.633**	0.200	mg/L	1	P3B2411	02/24/23 15:51	02/24/23 20:40	EPA 300.0	
Sulfate	**38.4**	1.00	mg/L	1	P3B2411	02/24/23 15:51	02/24/23 20:40	EPA 300.0	
Total Organic Carbon	**1.99**	1.00	mg/L	1	P3C2217	03/08/23 02:21	03/08/23 02:21	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	ND	0.200	mg/L	1	P3B2107	03/16/23 13:30	03/17/23 13:16	EPA 6020A	SUB-13
Manganese	**0.0909**	0.00500	mg/L	1	P3B2107	03/16/23 13:30	03/17/23 13:16	EPA 6020A	SUB-13

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

3B24002-05 (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	P3B2704	02/27/23 14:06	02/27/23 23:31	EPA 8021B	
Toluene	**0.00276**	0.00100	mg/L	1	P3B2704	02/27/23 14:06	02/27/23 23:31	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3B2704	02/27/23 14:06	02/27/23 23:31	EPA 8021B	
Xylene (p/m)	**0.0187**	0.00200	mg/L	1	P3B2704	02/27/23 14:06	02/27/23 23:31	EPA 8021B	
Xylene (o)	**0.00721**	0.00100	mg/L	1	P3B2704	02/27/23 14:06	02/27/23 23:31	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		*P3B2704*	*02/27/23 14:06*	*02/27/23 23:31*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*92.4 %*	*80-120*		*P3B2704*	*02/27/23 14:06*	*02/27/23 23:31*	*EPA 8021B*	
Ethane	ND	1.00	mg/L	1	P3C2216	03/23/23 10:38	03/02/23 12:21	8015M	SUB-13
Ethene	ND	1.00	mg/L	1	P3C2216	03/23/23 10:38	03/02/23 12:21	8015M	SUB-13
Methane	**0.242**	0.00500	mg/L	1	P3C2216	03/23/23 10:38	03/02/23 13:23	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	**55.0**	2.00	mg/L	1	P3B2808	02/28/23 12:02	02/28/23 14:00	8000	QAL1
Nitrate as N	ND	0.200	mg/L	1	P3B2411	02/24/23 15:51	02/24/23 21:01	EPA 300.0	
Sulfate	**12.2**	1.00	mg/L	1	P3B2411	02/24/23 15:51	02/24/23 21:01	EPA 300.0	
Total Organic Carbon	**17.2**	1.00	mg/L	1	P3C2217	03/08/23 02:35	03/08/23 02:35	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	ND	0.200	mg/L	1	P3B2107	03/16/23 13:30	03/17/23 13:40	EPA 6020A	SUB-13
Manganese	**1.40**	0.00500	mg/L	1	P3B2107	03/16/23 13:30	03/17/23 13:40	EPA 6020A	SUB-13

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

3B24002-06 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	**0.00861**	0.00100	mg/L	1	P3B2704	02/27/23 14:06	02/27/23 23:53	EPA 8021B	
Toluene	**0.0384**	0.00100	mg/L	1	P3B2704	02/27/23 14:06	02/27/23 23:53	EPA 8021B	
Ethylbenzene	**0.0460**	0.00100	mg/L	1	P3B2704	02/27/23 14:06	02/27/23 23:53	EPA 8021B	
Xylene (p/m)	**0.0697**	0.00200	mg/L	1	P3B2704	02/27/23 14:06	02/27/23 23:53	EPA 8021B	
Xylene (o)	**0.0454**	0.00100	mg/L	1	P3B2704	02/27/23 14:06	02/27/23 23:53	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*109 %*	*80-120*		*P3B2704*	*02/27/23 14:06*	*02/27/23 23:53*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*85.5 %*	*80-120*		*P3B2704*	*02/27/23 14:06*	*02/27/23 23:53*	*EPA 8021B*	
Ethane	**0.00571**	0.00100	mg/L	1	P3C2216	03/23/23 10:38	03/02/23 12:38	8015M	SUB-13
Ethene	ND	1.00	mg/L	1	P3C2216	03/23/23 10:38	03/02/23 12:38	8015M	SUB-13
Methane	**1.55**	0.00250	mg/L	1	P3C2216	03/23/23 10:38	03/02/23 13:41	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	**41.0**	2.00	mg/L	1	P3B2808	02/28/23 12:02	02/28/23 14:00	8000	QAL1
Nitrate as N	ND	0.200	mg/L	1	P3B2411	02/24/23 15:51	02/24/23 21:21	EPA 300.0	
Sulfate	**1.33**	1.00	mg/L	1	P3B2411	02/24/23 15:51	02/24/23 21:21	EPA 300.0	
Total Organic Carbon	**8.55**	1.00	mg/L	1	P3C2217	03/08/23 02:48	03/08/23 02:48	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	**3.32**	0.200	mg/L	1	P3B2107	03/16/23 13:30	03/17/23 12:36	EPA 6020A	SUB-13
Manganese	**1.51**	0.00500	mg/L	1	P3B2107	03/16/23 13:30	03/17/23 12:36	EPA 6020A	SUB-13

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 P3B2704 - * DEFAULT PREP *** **										
Blank (P3B2704-BLK1)				Prepared & Analyzed: 02/27/23						
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	*0.124*		*"*	*0.120*		*103*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.120*		*"*	*0.120*		*100*	*80-120*			
LCS (P3B2704-BS1)				Prepared & Analyzed: 02/27/23						
Benzene	0.102	0.00100	mg/L	0.100		102	80-120			
Toluene	0.104	0.00100	"	0.100		104	80-120			
Ethylbenzene	0.117	0.00100	"	0.100		117	80-120			
Xylene (p/m)	0.227	0.00200	"	0.200		113	80-120			
Xylene (o)	0.106	0.00100	"	0.100		106	80-120			
Surrogate: 4-Bromofluorobenzene	*0.128*		*"*	*0.120*		*107*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.121*		*"*	*0.120*		*101*	*80-120*			
LCS Dup (P3B2704-BSD1)				Prepared & Analyzed: 02/27/23						
Benzene	0.105	0.00100	mg/L	0.100		105	80-120	2.43	20	
Toluene	0.107	0.00100	"	0.100		107	80-120	3.25	20	
Ethylbenzene	0.118	0.00100	"	0.100		118	80-120	0.780	20	
Xylene (p/m)	0.236	0.00200	"	0.200		118	80-120	4.14	20	
Xylene (o)	0.111	0.00100	"	0.100		111	80-120	4.46	20	
Surrogate: 4-Bromofluorobenzene	*0.128*		*"*	*0.120*		*106*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.120*		*"*	*0.120*		*99.8*	*80-120*			
Calibration Blank (P3B2704-CCB1)				Prepared & Analyzed: 02/27/23						
Benzene	0.140		ug/l							
Toluene	0.360		"							
Ethylbenzene	0.470		"							
Xylene (p/m)	1.28		"							
Xylene (o)	0.730		"							
Surrogate: 4-Bromofluorobenzene	*0.129*		*"*	*0.120*		*107*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.120*		*"*	*0.120*		*100*	*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 P3B2704 - * DEFAULT PREP *** **										
Calibration Blank (P3B2704-CCB2)				Prepared & Analyzed: 02/27/23						
Benzene	0.170		ug/l							
Toluene	0.280		"							
Ethylbenzene	0.260		"							
Xylene (p/m)	0.670		"							
Xylene (o)	0.340		"							
Surrogate: 4-Bromofluorobenzene	*0.121*		*"*	*0.120*		*101*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.118*		*"*	*0.120*		*98.2*	*80-120*			
Calibration Check (P3B2704-CCV1)				Prepared & Analyzed: 02/27/23						
Benzene	0.110	0.00100	mg/L	0.100		110	80-120			
Toluene	0.113	0.00100	"	0.100		113	80-120			
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120			
Xylene (p/m)	0.240	0.00200	"	0.200		120	80-120			
Xylene (o)	0.116	0.00100	"	0.100		116	80-120			
Surrogate: 4-Bromofluorobenzene	*0.127*		*"*	*0.120*		*106*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.120*		*"*	*0.120*		*99.8*	*80-120*			
Calibration Check (P3B2704-CCV2)				Prepared & Analyzed: 02/27/23						
Benzene	0.0972	0.00100	mg/L	0.100		97.2	80-120			
Toluene	0.0974	0.00100	"	0.100		97.4	80-120			
Ethylbenzene	0.105	0.00100	"	0.100		105	80-120			
Xylene (p/m)	0.212	0.00200	"	0.200		106	80-120			
Xylene (o)	0.100	0.00100	"	0.100		100	80-120			
Surrogate: 4-Bromofluorobenzene	*0.126*		*"*	*0.120*		*105*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.6*	*80-120*			
Calibration Check (P3B2704-CCV3)				Prepared: 02/27/23 Analyzed: 02/28/23						
Benzene	0.107	0.00100	mg/L	0.100		107	80-120			
Toluene	0.107	0.00100	"	0.100		107	80-120			
Ethylbenzene	0.114	0.00100	"	0.100		114	80-120			
Xylene (p/m)	0.229	0.00200	"	0.200		114	80-120			
Xylene (o)	0.109	0.00100	"	0.100		109	80-120			
Surrogate: 4-Bromofluorobenzene	*0.124*		*"*	*0.120*		*104*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.118*		*"*	*0.120*		*98.6*	*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 P3B2704 - * DEFAULT PREP *** **										
Matrix Spike (P3B2704-MS1)	**Source: 3B22002-01**			Prepared: 02/27/23 Analyzed: 02/28/23						
Benzene	0.0988	0.00100	mg/L	0.100	ND	98.8	80-120			
Toluene	0.0975	0.00100	"	0.100	ND	97.5	80-120			
Ethylbenzene	0.109	0.00100	"	0.100	ND	109	80-120			
Xylene (p/m)	0.208	0.00200	"	0.200	ND	104	80-120			
Xylene (o)	0.0988	0.00100	"	0.100	ND	98.8	80-120			
Surrogate: 4-Bromofluorobenzene	*0.128*		"	*0.120*		*106*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.120*		"	*0.120*		*100*	*80-120*			
Matrix Spike Dup (P3B2704-MSD1)	**Source: 3B22002-01**			Prepared: 02/27/23 Analyzed: 02/28/23						
Benzene	0.102	0.00100	mg/L	0.100	ND	102	80-120	2.73	20	
Toluene	0.101	0.00100	"	0.100	ND	101	80-120	3.07	20	
Ethylbenzene	0.113	0.00100	"	0.100	ND	113	80-120	3.19	20	
Xylene (p/m)	0.214	0.00200	"	0.200	ND	107	80-120	2.70	20	
Xylene (o)	0.101	0.00100	"	0.100	ND	101	80-120	2.11	20	
Surrogate: 4-Bromofluorobenzene	*0.128*		"	*0.120*		*106*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.120*		"	*0.120*		*100*	*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 P3B2411 - * DEFAULT PREP *** **										
Blank (P3B2411-BLK1)				Prepared & Analyzed: 02/24/23						
Nitrate as N	ND	0.200	mg/L							
Sulfate	ND	1.00	"							
LCS (P3B2411-BS1)				Prepared & Analyzed: 02/24/23						
Nitrate as N	2.00		mg/L	2.00		99.9	90-110			
Sulfate	21.7		"	20.0		109	90-110			
LCS Dup (P3B2411-BSD1)				Prepared & Analyzed: 02/24/23						
Nitrate as N	1.97		mg/L	2.00		98.4	90-110	1.51	10	
Sulfate	21.5		"	20.0		108	90-110	0.967	10	
Calibration Blank (P3B2411-CCB1)				Prepared & Analyzed: 02/24/23						
Nitrate as N	0.00		mg/L							
Sulfate	0.00		"							
Calibration Check (P3B2411-CCV1)				Prepared & Analyzed: 02/24/23						
Sulfate	20.8		mg/L	20.0		104	90-110			
Nitrate as N	1.91		"	2.00		95.6	90-110			
Calibration Check (P3B2411-CCV2)				Prepared: 02/24/23 Analyzed: 02/27/23						
Nitrate as N	1.83		mg/L	2.00		91.6	90-110			
Sulfate	19.8		"	20.0		99.2	90-110			
Matrix Spike (P3B2411-MS1)	**Source: 3B24002-01**			Prepared & Analyzed: 02/24/23						
Sulfate	79.4	1.00	mg/L	2.00	79.4	2.95	80-120			QM-05
Nitrate as N	2.30	0.200	"	0.200	2.16	70.5	80-120			QM-05
Matrix Spike Dup (P3B2411-MSD1)	**Source: 3B24002-01**			Prepared & Analyzed: 02/24/23						
Nitrate as N	2.31	0.200	mg/L	0.200	2.16	72.5	80-120	0.173	20	QM-05
Sulfate	79.4	1.00	"	2.00	79.4	0.200	80-120	0.0693	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 P3B2808 - * DEFAULT PREP *** **										
Blank (P3B2808-BLK1)				Prepared & Analyzed: 02/28/23						
Chemical Oxygen Demand	ND	2.00	mg/L							QAL1
LCS (P3B2808-BS1)				Prepared & Analyzed: 02/28/23						
Chemical Oxygen Demand	96.0	2.00	mg/L	100		96.0	80-120			QAL1
LCS Dup (P3B2808-BSD1)				Prepared & Analyzed: 02/28/23						
Chemical Oxygen Demand	103	2.00	mg/L	100		103	80-120	7.04	20	QAL1
Calibration Check (P3B2808-CCV1)				Prepared & Analyzed: 02/28/23						
Chemical Oxygen Demand	97.0	2.00	mg/L	100		97.0	80-120			QAL1
Calibration Check (P3B2808-CCV2)				Prepared & Analyzed: 02/28/23						
Chemical Oxygen Demand	98.0	2.00	mg/L	100		98.0	80-120			QAL1
Calibration Check (P3B2808-CCV3)				Prepared & Analyzed: 02/28/23						
Chemical Oxygen Demand	97.0	2.00	mg/L	100		97.0	80-120			QAL1
Duplicate (P3B2808-DUP1)		**Source: 3B17001-01**		Prepared & Analyzed: 02/28/23						
Chemical Oxygen Demand	2.00	2.00	mg/L		2.00			0.00	20	QAL1
Duplicate (P3B2808-DUP2)		**Source: 3B22002-04**		Prepared & Analyzed: 02/28/23						
Chemical Oxygen Demand	8.00	2.00	mg/L		7.00			13.3	20	QAL1
Matrix Spike (P3B2808-MS1)		**Source: 3B17001-01**		Prepared & Analyzed: 02/28/23						
Chemical Oxygen Demand	106	2.00	mg/L	100	2.00	104	80-120			QAL1
Matrix Spike (P3B2808-MS2)		**Source: 3B22002-04**		Prepared & Analyzed: 02/28/23						
Chemical Oxygen Demand	110	2.00	mg/L	100	7.00	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

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 P3B2808 - * DEFAULT PREP *** **										
Matrix Spike Dup (P3B2808-MSD1)	**Source: 3B17001-01**			Prepared & Analyzed: 02/28/23						
Chemical Oxygen Demand	106	2.00	mg/L	100	2.00	104	80-120	0.00	20	QAL1
Matrix Spike Dup (P3B2808-MSD2)	**Source: 3B22002-04**			Prepared & Analyzed: 02/28/23						
Chemical Oxygen Demand	113	2.00	mg/L	100	7.00	106	80-120	2.69	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
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: 3/23/2023

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
1400 Rankin Hwy
Midland, Texas 79701

Phone: 432-686-7235

Page 1 of

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:

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 #: 3B24002

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: TOTAL: TOC MW 5310	Dissolved Methane, Ethane, and Ethene by RSK-175	Total Dissolved Metals (Fe and Mn) by SW 6010	Nitrate and Sulfate bvy E300	COD by SM 5310	Total BTEX by 8260	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	MW-4			2-23-23	1148	1	9	X	1	7	2					GW	X	X	X	X	X	X		X
2	MW-6				1240	1	9	X	1	7	2					GW	X	X	X	X	X	X		X
3	MW-7				1351	1	9	X	1	7	2					GW	X	X	X	X	X	X		X
4	MW-2				1449	1	9	X	1	7	2					GW	X	X	X	X	X	X		X
5	MW-11				1545	1	9	X	1	7	2					GW	X	X	X	X	X	X		X
6	MW-3A				1657	1	9	X	1	7	2					GW	X	X	X	X	X	X		X

Special Instructions:
BILL TO PLAINS

Relinquished by:	Date	Time	Received by:	Date	Time
Manny	2-24-23	915			
			Received by PBEL: Teresa Bledsoe	2/24/23	9:15

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: 3.7 °C NCF
Adjusted: °C Factor 43

Assorted

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

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	24 HOUR RUSH	STANDARD
	3B24002-01			2/23/2023	11:48		4	X		X	X					W	X	X		X
	3B24002-02			2/23/2023	12:40		4	X		X	X					W	X	X		X
	3B24002-03			2/23/2023	13:51		4	X		X	X					W	X	X		X
	3B24002-04			2/23/2023	14:47		4	X		X	X					W	X	X		X
	3B24002-05			2/23/2023	15:45		4	X		X	X					W	X	X		X
	3B24002-06			2/23/2023	16:57		4	X		X	X					W	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.

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.

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 Fax No:
Sampler Signature: N/A e-mail: brentbarron@pbelab.com

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

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: Fe Diss ICP 6010B	Mn Diss ICP 6010B	24 HOUR RUSH	STANDARD 72 Hour Rush TB
	3B24002-01			2/23/2023	11:48	X	1	X	X							W	X	X		X
	3B24002-02			2/23/2023	12:40	X	1	X	X							W	X	X		X
	3B24002-03			2/23/2023	13:51	X	1	X	X							W	X	X		X
	3B24002-04			2/23/2023	14:47	X	1	X	X							W	X	X		X
	3B24002-05			2/23/2023	15:45	X	1	X	X							W	X	X		X
	3B24002-06			2/23/2023	16:57	X	1	X	X							W	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

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

March 08, 2023

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

Work Order: **HS23030064**

Laboratory Results for: **3B24002**

Dear Brent Barron,

ALS Environmental received 6 sample(s) on Mar 01, 2023 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: 08-Mar-23

Client: Permian Basin Environmental Lab, LP
Project: 3B24002
Work Order: HS23030064

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23030064-01	3B24002-01	Water		23-Feb-2023 11:48	01-Mar-2023 10:00	☐
HS23030064-02	3B24002-02	Water		23-Feb-2023 12:40	01-Mar-2023 10:00	☐
HS23030064-03	3B24002-03	Water		23-Feb-2023 13:51	01-Mar-2023 10:00	☐
HS23030064-04	3B24002-04	Water		23-Feb-2023 14:47	01-Mar-2023 10:00	☐
HS23030064-05	3B24002-05	Water		23-Feb-2023 15:45	01-Mar-2023 10:00	☐
HS23030064-06	3B24002-06	Water		23-Feb-2023 16:57	01-Mar-2023 10:00	☐

ALS Houston, US Date: 08-Mar-23

Client: Permian Basin Environmental Lab, LP **CASE NARRATIVE**
Project: 3B24002
Work Order: HS23030064

GC Semivolatiles by Method RSK-175

Batch ID: R429231

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

WetChemistry by Method E415.1

Batch ID: R429530

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

ALS Houston, US Date: 08-Mar-23

Client: Permian Basin Environmental Lab, LP
Project: 3B24002
Sample ID: 3B24002-01
Collection Date: 23-Feb-2023 11:48

ANALYTICAL REPORT
WorkOrder:HS23030064
Lab ID:HS23030064-01
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		**Method:RSK-175**				Analyst: SAM
Ethane	ND		1.00	ug/L	1	02-Mar-2023 10:56
Ethene	ND		1.00	ug/L	1	02-Mar-2023 10:56
Methane	**0.868**		**0.500**	**ug/L**	1	02-Mar-2023 10:56
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: JAC
Organic Carbon, Total	**4.27**		**1.00**	**mg/L**	1	08-Mar-2023 01:29

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

ALS Houston, US Date: 08-Mar-23

Client: Permian Basin Environmental Lab, LP
Project: 3B24002
Sample ID: 3B24002-02
Collection Date: 23-Feb-2023 12:40

ANALYTICAL REPORT
WorkOrder:HS23030064
Lab ID:HS23030064-02
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		**Method:RSK-175**				Analyst: SAM
Ethane	ND		1.00	ug/L	1	02-Mar-2023 11:19
Ethene	ND		1.00	ug/L	1	02-Mar-2023 11:19
Methane	**5.53**		**0.500**	**ug/L**	1	02-Mar-2023 11:19
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: JAC
Organic Carbon, Total	**5.74**		**1.00**	**mg/L**	1	08-Mar-2023 01:56

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

ALS Houston, US Date: 08-Mar-23

Client: Permian Basin Environmental Lab, LP
Project: 3B24002
Sample ID: 3B24002-03
Collection Date: 23-Feb-2023 13:51

ANALYTICAL REPORT
WorkOrder:HS23030064
Lab ID:HS23030064-03
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		**Method:RSK-175**				Analyst: SAM
Ethane	ND		1.00	ug/L	1	02-Mar-2023 11:38
Ethene	ND		1.00	ug/L	1	02-Mar-2023 11:38
Methane	**3.61**		**0.500**	**ug/L**	1	02-Mar-2023 11:38
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: JAC
Organic Carbon, Total	**4.27**		**1.00**	**mg/L**	1	08-Mar-2023 02:09

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

ALS Houston, US Date: 08-Mar-23

Client: Permian Basin Environmental Lab, LP
Project: 3B24002
Sample ID: 3B24002-04
Collection Date: 23-Feb-2023 14:47

ANALYTICAL REPORT
WorkOrder:HS23030064
Lab ID:HS23030064-04
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		**Method:RSK-175**				Analyst: SAM
Ethane	ND		1.00	ug/L	1	02-Mar-2023 12:10
Ethene	ND		1.00	ug/L	1	02-Mar-2023 12:10
Methane	**289**		**5.00**	**ug/L**	10	02-Mar-2023 12:47
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: JAC
Organic Carbon, Total	**1.99**		**1.00**	**mg/L**	1	08-Mar-2023 02:21

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

ALS Houston, US Date: 08-Mar-23

Client: Permian Basin Environmental Lab, LP
Project: 3B24002
Sample ID: 3B24002-05
Collection Date: 23-Feb-2023 15:45

ANALYTICAL REPORT
WorkOrder:HS23030064
Lab ID:HS23030064-05
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		**Method:RSK-175**				Analyst: SAM
Ethane	ND		1.00	ug/L	1	02-Mar-2023 12:21
Ethene	ND		1.00	ug/L	1	02-Mar-2023 12:21
Methane	**242**		**5.00**	**ug/L**	10	02-Mar-2023 13:23
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: JAC
Organic Carbon, Total	**17.2**		**1.00**	**mg/L**	1	08-Mar-2023 02:35

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

ALS Houston, US Date: 08-Mar-23

Client: Permian Basin Environmental Lab, LP
Project: 3B24002
Sample ID: 3B24002-06
Collection Date: 23-Feb-2023 16:57

ANALYTICAL REPORT
WorkOrder:HS23030064
Lab ID:HS23030064-06
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		**Method:RSK-175**				Analyst: SAM
Ethane	**5.71**		**1.00**	**ug/L**	1	02-Mar-2023 12:38
Ethene	ND		1.00	ug/L	1	02-Mar-2023 12:38
Methane	**1,550**		**25.0**	**ug/L**	50	02-Mar-2023 13:41
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: JAC
Organic Carbon, Total	**8.55**		**1.00**	**mg/L**	1	08-Mar-2023 02:48

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

ALS Houston, US Date: 08-Mar-23

Client: Permian Basin Environmental Lab, LP
Project: 3B24002
WorkOrder: HS23030064

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R429231 (0)	**Test Name :** DISSOLVED GASES BY RSK-175				**Matrix:** Water	
HS23030064-01	3B24002-01	23 Feb 2023 11:48			02 Mar 2023 10:56	1
HS23030064-02	3B24002-02	23 Feb 2023 12:40			02 Mar 2023 11:19	1
HS23030064-03	3B24002-03	23 Feb 2023 13:51			02 Mar 2023 11:38	1
HS23030064-04	3B24002-04	23 Feb 2023 14:47			02 Mar 2023 12:47	10
HS23030064-04	3B24002-04	23 Feb 2023 14:47			02 Mar 2023 12:10	1
HS23030064-05	3B24002-05	23 Feb 2023 15:45			02 Mar 2023 13:23	10
HS23030064-05	3B24002-05	23 Feb 2023 15:45			02 Mar 2023 12:21	1
HS23030064-06	3B24002-06	23 Feb 2023 16:57			02 Mar 2023 13:41	50
HS23030064-06	3B24002-06	23 Feb 2023 16:57			02 Mar 2023 12:38	1
Batch ID: R429530 (0)	**Test Name :** TOTAL ORGANIC CARBON BY E415.1				**Matrix:** Water	
HS23030064-01	3B24002-01	23 Feb 2023 11:48			08 Mar 2023 01:29	1
HS23030064-02	3B24002-02	23 Feb 2023 12:40			08 Mar 2023 01:56	1
HS23030064-03	3B24002-03	23 Feb 2023 13:51			08 Mar 2023 02:09	1
HS23030064-04	3B24002-04	23 Feb 2023 14:47			08 Mar 2023 02:21	1
HS23030064-05	3B24002-05	23 Feb 2023 15:45			08 Mar 2023 02:35	1
HS23030064-06	3B24002-06	23 Feb 2023 16:57			08 Mar 2023 02:48	1

ALS Houston, US Date: 08-Mar-23

Client: Permian Basin Environmental Lab, LP
Project: 3B24002
WorkOrder: HS23030064

QC BATCH REPORT

Batch ID: R429231 (0) **Instrument:** FID-4 **Method:** DISSOLVED GASES BY RSK-175

MBLK Sample ID: **MBLK-230302** Units: **ug/L** Analysis Date: **02-Mar-2023 07:41**
Client ID: Run ID: **FID-4_429231** SeqNo: **7154930** 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-230302** Units: **ug/L** Analysis Date: **02-Mar-2023 07:54**
Client ID: Run ID: **FID-4_429231** SeqNo: **7154931** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ethane	19.39	1.00	18.04	0	107	75 - 125				
Ethene	14.15	1.00	16.8	0	84.3	75 - 125				
Methane	7.849	0.500	9.647	0	81.4	75 - 125				

LCSD Sample ID: **LCSD-230302** Units: **ug/L** Analysis Date: **02-Mar-2023 08:04**
Client ID: Run ID: **FID-4_429231** SeqNo: **7154932** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ethane	18.64	1.00	18.04	0	103	75 - 125	19.39	3.93	30	
Ethene	14.46	1.00	16.8	0	86.1	75 - 125	14.15	2.17	30	
Methane	8.798	0.500	9.647	0	91.2	75 - 125	7.849	11.4	30	

DUP Sample ID: **HS23030017-01DUP** Units: **ug/L** Analysis Date: **02-Mar-2023 14:03**
Client ID: Run ID: **FID-4_429231** SeqNo: **7154957** 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					0.517	0	30	
Ethene	ND	1.00					0	0	30	
Methane	36.39	0.500					36.91	1.42	30	

The following samples were analyzed in this batch: HS23030064-01 HS23030064-02 HS23030064-03 HS23030064-04 HS23030064-05 HS23030064-06

ALS Houston, US Date: 08-Mar-23

Client: Permian Basin Environmental Lab, LP
Project: 3B24002
WorkOrder: HS23030064

QC BATCH REPORT

Batch ID: R429530 (0) **Instrument: TOC_04** **Method: TOTAL ORGANIC CARBON BY E415.1**

MBLK Sample ID: **MBLK-03072023** Units: **mg/L** Analysis Date: **08-Mar-2023 00:49**
Client ID: Run ID: **TOC_04_429530** SeqNo: **7161354** 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-03072023** Units: **mg/L** Analysis Date: **08-Mar-2023 01:03**
Client ID: Run ID: **TOC_04_429530** SeqNo: **7161355** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	10.16	1.00	10	0	102	85 - 115				

LCSD Sample ID: **LCSD-03072023** Units: **mg/L** Analysis Date: **08-Mar-2023 01:16**
Client ID: Run ID: **TOC_04_429530** SeqNo: **7161356** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	10.38	1.00	10	0	104	85 - 115	10.16	2.14	20	

MS Sample ID: **HS23030064-01MS** Units: **mg/L** Analysis Date: **08-Mar-2023 01:43**
Client ID: **3B24002-01** Run ID: **TOC_04_429530** SeqNo: **7161358** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	16.16	1.00	10	4.268	119	80 - 120				

The following samples were analyzed in this batch: HS23030064-01 HS23030064-02 HS23030064-03 HS23030064-04 HS23030064-05 HS23030064-06

ALS Houston, US Date: 08-Mar-23

Client: Permian Basin Environmental Lab, LP
Project: 3B24002
WorkOrder: **HS23030064**

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: 08-Mar-23

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	624-2023	31-Dec-2023
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: 08-Mar-23

Sample Receipt Checklist

Work Order ID: HS23030064 **Date/Time Received:** 01-Mar-2023 10:00

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

Completed By:	/S/ Corey Grandits	01-Mar-2023 16:22	**Reviewed by:**	/S/ Anna Kinchen	03-Mar-2023 14:27
	eSignature	Date/Time		eSignature	Date/Time

Matrices: W Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Samplers name present on COC?	Yes ☐	No ☑	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	2.5UC/2.0C	IR31	
Cooler(s)/Kit(s):	Sm Red		
Date/Time sample(s) sent to storage:	3/1/23		
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 Environment
1400 Rankin HWY
Midland, Texas 79701

HS23030064

Permian Basin Environmental Lab, LP

3B24002

Project Manager: Brent Barron

Company Name: PBEL

Company Address: 1400 Rankin HWY

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

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	24 HOUR RUSH	STANDARD
	3B24002-01			2/23/2023	11:48		4	X		X	X					W	X	X		X
	3B24002-02			2/23/2023	12:40		4	X		X	X					W	X	X		X
	3B24002-03			2/23/2023	13:51		4	X		X	X					W	X	X		X
	3B24002-04			2/23/2023	14:47		4	X		X	X					W	X	X		X
	3B24002-05			2/23/2023	15:45		4	X		X	X					W	X	X		X
	3B24002-06			2/23/2023	16:57		4	X		X	X					W	X	X		X

SPECIAL INSTRUCTIONS: 3. RED IR3 2.5 wt -0.5C

Relinquished by:	Date	Time	Received by:	Date	Time
Brent Barron	2/28/23	17:00		3/01/2023	1100
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_MNA

Project Number: TNM Monument-10

Location: Lea County, NM

Lab Order Number: 3E19003

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 06/09/23

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	3E19003-01	Water	05/18/23 10:30	05-19-2023 09:20
MW-6	3E19003-02	Water	05/18/23 11:40	05-19-2023 09:20
MW-7	3E19003-03	Water	05/18/23 12:33	05-19-2023 09:20
MW-2	3E19003-04	Water	05/18/23 13:35	05-19-2023 09:20
MW-1	3E19003-05	Water	05/18/23 14:24	05-19-2023 09:20
MW-3A	3E19003-06	Water	05/18/23 15:35	05-19-2023 09:20

RSK175, TOC, and Dissolved Metals analysis were subcontracted to ALS Houston. Their report is attached after the Chain of Custody. Their TCEQ TNI certification number can be found here:
https://www.tceq.texas.gov/assets/public/compliance/compliance_support/qa/labs/als_svcs_houston.pdf

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

MW-4

3E19003-01 (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	P3E1904	05/19/23 16:30	05/22/23 19:57	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3E1904	05/19/23 16:30	05/22/23 19:57	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3E1904	05/19/23 16:30	05/22/23 19:57	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3E1904	05/19/23 16:30	05/22/23 19:57	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3E1904	05/19/23 16:30	05/22/23 19:57	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*102 %*	*80-120*		*P3E1904*	*05/19/23 16:30*	*05/22/23 19:57*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*99.9 %*	*80-120*		*P3E1904*	*05/19/23 16:30*	*05/22/23 19:57*	*EPA 8021B*	
Ethane	ND	0.00100	mg/L	1	P3F0705	05/25/23 15:50	05/26/23 15:58	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P3F0705	05/25/23 15:50	05/26/23 15:58	8015M	SUB-13
Methane	**0.00102**	0.000500	mg/L	1	P3F0705	05/25/23 15:50	05/26/23 15:58	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	**5.00**	2.00	mg/L	1	P3E2309	05/23/23 07:54	05/24/23 13:00	8000	QAL1
Nitrate as N	**2.12**	0.200	mg/L	1	P3E1905	05/19/23 13:30	05/22/23 14:10	EPA 300.0	
Sulfate	**81.8**	10.0	mg/L	10	P3E1905	05/19/23 13:30	05/22/23 11:40	EPA 300.0	
Total Organic Carbon	**4.12**	1.00	mg/L	1	P3F0705	05/26/23 14:09	05/26/23 14:09	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	ND	0.200	mg/L	1	P3F0711	05/30/23 09:30	05/30/23 16:41	EPA 6020A	SUB-13
Manganese	**0.269**	0.00500	mg/L	1	P3F0711	05/30/23 09:30	05/30/23 16:41	EPA 6020A	SUB-13

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

3E19003-02 (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	P3E1904	05/19/23 16:30	05/22/23 20:17	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3E1904	05/19/23 16:30	05/22/23 20:17	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3E1904	05/19/23 16:30	05/22/23 20:17	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3E1904	05/19/23 16:30	05/22/23 20:17	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3E1904	05/19/23 16:30	05/22/23 20:17	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*100 %*	*80-120*		*P3E1904*	*05/19/23 16:30*	*05/22/23 20:17*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*99.4 %*	*80-120*		*P3E1904*	*05/19/23 16:30*	*05/22/23 20:17*	*EPA 8021B*	
Ethane	ND	0.00100	mg/L	1	P3F0705	05/25/23 15:50	05/26/23 16:26	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P3F0705	05/25/23 15:50	05/26/23 16:26	8015M	SUB-13
Methane	**0.00136**	0.000500	mg/L	1	P3F0705	05/25/23 15:50	05/26/23 16:26	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	**11.0**	2.00	mg/L	1	P3E2309	05/23/23 07:54	05/24/23 13:00	8000	QAL1
Nitrate as N	**0.331**	0.200	mg/L	1	P3E1905	05/19/23 13:30	05/22/23 15:00	EPA 300.0	
Sulfate	**20.7**	10.0	mg/L	10	P3E1905	05/19/23 13:30	05/22/23 12:29	EPA 300.0	
Total Organic Carbon	**6.19**	1.00	mg/L	1	P3F0705	05/26/23 14:22	05/26/23 14:22	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	ND	0.200	mg/L	1	P3F0711	05/30/23 09:30	05/30/23 16:43	EPA 6020A	SUB-13
Manganese	**0.209**	0.00500	mg/L	1	P3F0711	05/30/23 09:30	05/30/23 16:43	EPA 6020A	SUB-13

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

3E19003-03 (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	P3E1904	05/19/23 16:30	05/22/23 20:37	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3E1904	05/19/23 16:30	05/22/23 20:37	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3E1904	05/19/23 16:30	05/22/23 20:37	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3E1904	05/19/23 16:30	05/22/23 20:37	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3E1904	05/19/23 16:30	05/22/23 20:37	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*101 %*	*80-120*		*P3E1904*	*05/19/23 16:30*	*05/22/23 20:37*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.6 %*	*80-120*		*P3E1904*	*05/19/23 16:30*	*05/22/23 20:37*	*EPA 8021B*	
Ethane	ND	0.00100	mg/L	1	P3F0705	05/25/23 15:50	05/26/23 16:42	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P3F0705	05/25/23 15:50	05/26/23 16:42	8015M	SUB-13
Methane	**0.00412**	0.000500	mg/L	1	P3F0705	05/25/23 15:50	05/26/23 16:42	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	**10.0**	2.00	mg/L	1	P3E2309	05/23/23 07:54	05/24/23 13:00	8000	QAL1
Nitrate as N	**0.570**	0.200	mg/L	1	P3E1905	05/19/23 13:30	05/22/23 15:16	EPA 300.0	
Sulfate	**42.8**	10.0	mg/L	10	P3E1905	05/19/23 13:30	05/22/23 12:46	EPA 300.0	
Total Organic Carbon	**4.75**	1.00	mg/L	1	P3F0705	05/26/23 15:02	05/26/23 15:02	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	ND	0.200	mg/L	1	P3F0711	05/30/23 09:30	05/30/23 16:45	EPA 6020A	SUB-13
Manganese	**0.0853**	0.00500	mg/L	1	P3F0711	05/30/23 09:30	05/30/23 16:45	EPA 6020A	SUB-13

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

3E19003-04 (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	P3E1904	05/19/23 16:30	05/22/23 20:57	EPA 8021B	
Toluene	**0.00288**	0.00100	mg/L	1	P3E1904	05/19/23 16:30	05/22/23 20:57	EPA 8021B	
Ethylbenzene	**0.00246**	0.00100	mg/L	1	P3E1904	05/19/23 16:30	05/22/23 20:57	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3E1904	05/19/23 16:30	05/22/23 20:57	EPA 8021B	
Xylene (o)	**0.00233**	0.00100	mg/L	1	P3E1904	05/19/23 16:30	05/22/23 20:57	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*108 %*	*80-120*		*P3E1904*	*05/19/23 16:30*	*05/22/23 20:57*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*94.6 %*	*80-120*		*P3E1904*	*05/19/23 16:30*	*05/22/23 20:57*	*EPA 8021B*	
Ethane	ND	0.00100	mg/L	1	P3F0705	05/25/23 15:50	05/26/23 17:07	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P3F0705	05/25/23 15:50	05/26/23 17:07	8015M	SUB-13
Methane	**0.0568**	0.00100	mg/L	1	P3F0705	05/25/23 15:50	05/26/23 18:20	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	**6.00**	2.00	mg/L	1	P3E2309	05/23/23 07:54	05/24/23 13:00	8000	QAL1
Nitrate as N	**1.08**	0.200	mg/L	1	P3E1905	05/19/23 13:30	05/22/23 15:33	EPA 300.0	
Sulfate	**54.9**	5.00	mg/L	5	P3E1905	05/19/23 13:30	05/22/23 13:02	EPA 300.0	
Total Organic Carbon	**3.38**	1.00	mg/L	1	P3F0705	05/26/23 15:15	05/26/23 15:15	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	ND	0.200	mg/L	1	P3F0711	05/30/23 09:30	05/30/23 16:47	EPA 6020A	SUB-13
Manganese	**0.0410**	0.00500	mg/L	1	P3F0711	05/30/23 09:30	05/30/23 16:47	EPA 6020A	SUB-13

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

3E19003-05 (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	P3E1904	05/19/23 16:30	05/22/23 21:18	EPA 8021B	
Toluene	**0.00249**	0.00100	mg/L	1	P3E1904	05/19/23 16:30	05/22/23 21:18	EPA 8021B	
Ethylbenzene	**0.00177**	0.00100	mg/L	1	P3E1904	05/19/23 16:30	05/22/23 21:18	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3E1904	05/19/23 16:30	05/22/23 21:18	EPA 8021B	
Xylene (o)	**0.00216**	0.00100	mg/L	1	P3E1904	05/19/23 16:30	05/22/23 21:18	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*108 %*	*80-120*		*P3E1904*	*05/19/23 16:30*	*05/22/23 21:18*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*94.2 %*	*80-120*		*P3E1904*	*05/19/23 16:30*	*05/22/23 21:18*	*EPA 8021B*	
Ethane	**0.00175**	0.00100	mg/L	1	P3F0705	05/25/23 15:50	05/26/23 17:16	8015M	SUB-13
Ethene	**0.00232**	0.00100	mg/L	1	P3F0705	05/25/23 15:50	05/26/23 17:16	8015M	SUB-13
Methane	**0.355**	0.0100	mg/L	1	P3F0705	05/25/23 15:50	05/26/23 18:29	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	**52.0**	2.00	mg/L	1	P3E2309	05/23/23 07:54	05/24/23 13:00	8000	QAL1
Nitrate as N	ND	0.200	mg/L	1	P3E1905	05/19/23 13:30	05/22/23 15:49	EPA 300.0	
Sulfate	ND	10.0	mg/L	10	P3E1905	05/19/23 13:30	05/22/23 13:20	EPA 300.0	
Total Organic Carbon	**18.8**	1.00	mg/L	1	P3F0705	05/26/23 15:27	05/26/23 15:27	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	ND	0.200	mg/L	1	P3F0711	05/30/23 09:30	05/30/23 16:49	EPA 6020A	SUB-13
Manganese	**0.136**	0.00500	mg/L	1	P3F0711	05/30/23 09:30	05/30/23 16:49	EPA 6020A	SUB-13

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

3E19003-06 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	**0.00322**	0.00100	mg/L	1	P3E1904	05/19/23 16:30	05/22/23 21:38	EPA 8021B	
Toluene	**0.00777**	0.00100	mg/L	1	P3E1904	05/19/23 16:30	05/22/23 21:38	EPA 8021B	
Ethylbenzene	**0.00426**	0.00100	mg/L	1	P3E1904	05/19/23 16:30	05/22/23 21:38	EPA 8021B	
Xylene (p/m)	**0.0138**	0.00200	mg/L	1	P3E1904	05/19/23 16:30	05/22/23 21:38	EPA 8021B	
Xylene (o)	**0.00360**	0.00100	mg/L	1	P3E1904	05/19/23 16:30	05/22/23 21:38	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*103 %*	*80-120*		*P3E1904*	*05/19/23 16:30*	*05/22/23 21:38*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*85.3 %*	*80-120*		*P3E1904*	*05/19/23 16:30*	*05/22/23 21:38*	*EPA 8021B*	
Ethane	**0.00156**	0.00100	mg/L	1	P3F0705	05/25/23 15:50	05/26/23 17:36	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P3F0705	05/25/23 15:50	05/26/23 17:36	8015M	SUB-13
Methane	**0.560**	0.0100	mg/L	1	P3F0705	05/25/23 15:50	05/26/23 18:37	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	**52.0**	2.00	mg/L	1	P3E2309	05/23/23 07:54	05/24/23 13:00	8000	QAL1
Nitrate as N	**0.871**	0.200	mg/L	1	P3E1905	05/19/23 13:30	05/22/23 16:06	EPA 300.0	
Sulfate	**24.2**	10.0	mg/L	10	P3E1905	05/19/23 13:30	05/22/23 13:37	EPA 300.0	
Total Organic Carbon	ND	1.00	mg/L	1	P3F0705	05/26/23 15:39	05/26/23 15:39	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	**0.313**	0.200	mg/L	1	P3F0711	05/30/23 09:30	05/30/23 16:51	EPA 6020A	SUB-13
Manganese	**1.21**	0.00500	mg/L	1	P3F0711	05/30/23 09:30	05/30/23 16:51	EPA 6020A	SUB-13

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 P3E1904 - * DEFAULT PREP *** **										
Blank (P3E1904-BLK1)				Prepared: 05/19/23 Analyzed: 05/22/23						
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	*0.115*		"	*0.120*		*96.0*	*80-120*			
LCS (P3E1904-BS1)				Prepared: 05/19/23 Analyzed: 05/22/23						
Benzene	0.112	0.00100	mg/L	0.100		112	80-120			
Toluene	0.116	0.00100	"	0.100		116	80-120			
Ethylbenzene	0.118	0.00100	"	0.100		118	80-120			
Xylene (p/m)	0.234	0.00200	"	0.200		117	80-120			
Xylene (o)	0.120	0.00100	"	0.100		120	80-120			
Surrogate: 4-Bromofluorobenzene	*0.136*		"	*0.120*		*114*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.119*		"	*0.120*		*99.2*	*80-120*			
LCS Dup (P3E1904-BSD1)				Prepared: 05/19/23 Analyzed: 05/22/23						
Benzene	0.111	0.00100	mg/L	0.100		111	80-120	1.23	20	
Toluene	0.115	0.00100	"	0.100		115	80-120	0.616	20	
Ethylbenzene	0.117	0.00100	"	0.100		117	80-120	0.900	20	
Xylene (p/m)	0.235	0.00200	"	0.200		117	80-120	0.209	20	
Xylene (o)	0.120	0.00100	"	0.100		120	80-120	0.0835	20	
Surrogate: 4-Bromofluorobenzene	*0.128*		"	*0.120*		*106*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.118*		"	*0.120*		*98.0*	*80-120*			
Calibration Blank (P3E1904-CCB1)				Prepared: 05/19/23 Analyzed: 05/22/23						
Benzene	0.160		ug/l							
Toluene	0.240		"							
Ethylbenzene	0.490		"							
Xylene (p/m)	0.870		"							
Xylene (o)	0.610		"							
Surrogate: 4-Bromofluorobenzene	*0.127*		"	*0.120*		*106*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		"	*0.120*		*97.6*	*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 P3E1904 - * DEFAULT PREP *** **										
Calibration Blank (P3E1904-CCB2)				Prepared: 05/19/23 Analyzed: 05/22/23						
Benzene	0.240		ug/l							
Toluene	0.340		"							
Ethylbenzene	0.440		"							
Xylene (p/m)	0.980		"							
Xylene (o)	0.390		"							
Surrogate: 4-Bromofluorobenzene	*0.116*		*"*	*0.120*		*97.0*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.6*	*80-120*			
Calibration Check (P3E1904-CCV1)				Prepared: 05/19/23 Analyzed: 05/22/23						
Benzene	0.112	0.00100	mg/L	0.100		112	80-120			
Toluene	0.116	0.00100	"	0.100		116	80-120			
Ethylbenzene	0.116	0.00100	"	0.100		116	80-120			
Xylene (p/m)	0.235	0.00200	"	0.200		117	80-120			
Xylene (o)	0.119	0.00100	"	0.100		119	80-120			
Surrogate: 4-Bromofluorobenzene	*0.133*		*"*	*0.120*		*111*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.119*		*"*	*0.120*		*98.9*	*80-120*			
Calibration Check (P3E1904-CCV2)				Prepared: 05/19/23 Analyzed: 05/22/23						
Benzene	0.115	0.00100	mg/L	0.100		115	80-120			
Toluene	0.117	0.00100	"	0.100		117	80-120			
Ethylbenzene	0.116	0.00100	"	0.100		116	80-120			
Xylene (p/m)	0.237	0.00200	"	0.200		118	80-120			
Xylene (o)	0.117	0.00100	"	0.100		117	80-120			
Surrogate: 4-Bromofluorobenzene	*0.128*		*"*	*0.120*		*107*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.8*	*80-120*			
Calibration Check (P3E1904-CCV3)				Prepared: 05/19/23 Analyzed: 05/22/23						
Benzene	0.116	0.00100	mg/L	0.100		116	80-120			
Toluene	0.118	0.00100	"	0.100		118	80-120			
Ethylbenzene	0.117	0.00100	"	0.100		117	80-120			
Xylene (p/m)	0.239	0.00200	"	0.200		119	80-120			
Xylene (o)	0.119	0.00100	"	0.100		119	80-120			
Surrogate: 4-Bromofluorobenzene	*0.126*		*"*	*0.120*		*105*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.7*	*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 P3E1904 - * DEFAULT PREP *** **										
Matrix Spike (P3E1904-MS1)	**Source: 3E12009-02**			Prepared: 05/19/23 Analyzed: 05/22/23						
Benzene	0.127	0.00100	mg/L	0.100	ND	127	80-120			QM-05
Toluene	0.124	0.00100	"	0.100	ND	124	80-120			QM-05
Ethylbenzene	0.128	0.00100	"	0.100	ND	128	80-120			QM-05
Xylene (p/m)	0.252	0.00200	"	0.200	ND	126	80-120			QM-05
Xylene (o)	0.120	0.00100	"	0.100	ND	120	80-120			
Surrogate: 4-Bromofluorobenzene	*0.126*		*"*	*0.120*		*105*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.118*		*"*	*0.120*		*98.3*	*80-120*			
Matrix Spike Dup (P3E1904-MSD1)	**Source: 3E12009-02**			Prepared: 05/19/23 Analyzed: 05/22/23						
Benzene	0.129	0.00100	mg/L	0.100	ND	129	80-120	1.51	20	QM-05
Toluene	0.128	0.00100	"	0.100	ND	128	80-120	3.02	20	QM-05
Ethylbenzene	0.133	0.00100	"	0.100	ND	133	80-120	3.70	20	QM-05
Xylene (p/m)	0.260	0.00200	"	0.200	ND	130	80-120	3.03	20	QM-05
Xylene (o)	0.126	0.00100	"	0.100	ND	126	80-120	4.82	20	QM-05
Surrogate: 4-Bromofluorobenzene	*0.129*		*"*	*0.120*		*108*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*97.0*	*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 P3E1905 - * DEFAULT PREP *** **										
Blank (P3E1905-BLK1)				Prepared: 05/19/23 Analyzed: 05/22/23						
Nitrate as N	ND	0.200	mg/L							
Sulfate	ND	1.00	"							
LCS (P3E1905-BS1)				Prepared: 05/19/23 Analyzed: 05/22/23						
Nitrate as N	9.90		mg/L	10.0		99.0	90-110			
Sulfate	9.62		"	10.0		96.2	90-110			
LCS Dup (P3E1905-BSD1)				Prepared: 05/19/23 Analyzed: 05/22/23						
Nitrate as N	9.91		mg/L	10.0		99.1	90-110	0.111	10	
Sulfate	9.64		"	10.0		96.4	90-110	0.197	10	
Calibration Check (P3E1905-CCV1)				Prepared: 05/19/23 Analyzed: 05/22/23						
Sulfate	9.68		mg/L	10.0		96.8	90-110			
Nitrate as N	9.92		"	10.0		99.2	90-110			
Calibration Check (P3E1905-CCV2)				Prepared: 05/19/23 Analyzed: 05/23/23						
Sulfate	9.68		mg/L	10.0		96.8	90-110			
Nitrate as N	9.95		"	10.0		99.5	90-110			
Matrix Spike (P3E1905-MS1)		**Source: 3E19003-01**		Prepared: 05/19/23 Analyzed: 05/22/23						
Sulfate	21.6		mg/L	10.0	8.18	134	80-120			QM-05
Matrix Spike (P3E1905-MS2)		**Source: 3E19003-01**		Prepared: 05/19/23 Analyzed: 05/22/23						
Nitrate as N	13.1		mg/L	10.0	2.12	110	80-120			
Matrix Spike Dup (P3E1905-MSD1)		**Source: 3E19003-01**		Prepared: 05/19/23 Analyzed: 05/22/23						
Sulfate	21.6		mg/L	10.0	8.18	134	80-120	0.218	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 P3E1905 - * DEFAULT PREP *** **										
Matrix Spike Dup (P3E1905-MSD2)	**Source: 3E19003-01**			Prepared: 05/19/23 Analyzed: 05/22/23						
Nitrate as N	13.0		mg/L	10.0	2.12	109	80-120	0.214	20	
Batch P3E2309 - * DEFAULT PREP *** **										
Blank (P3E2309-BLK1)				Prepared: 05/23/23 Analyzed: 05/24/23						
Chemical Oxygen Demand	ND	2.00	mg/L							QAL1
LCS (P3E2309-BS1)				Prepared: 05/23/23 Analyzed: 05/24/23						
Chemical Oxygen Demand	94.0	2.00	mg/L	100		94.0	80-120			QAL1
LCS Dup (P3E2309-BSD1)				Prepared: 05/23/23 Analyzed: 05/24/23						
Chemical Oxygen Demand	103	2.00	mg/L	100		103	80-120	9.14	20	QAL1
Calibration Check (P3E2309-CCV1)				Prepared: 05/23/23 Analyzed: 05/24/23						
Chemical Oxygen Demand	102	2.00	mg/L	100		102	80-120			QAL1
Calibration Check (P3E2309-CCV2)				Prepared: 05/23/23 Analyzed: 05/24/23						
Chemical Oxygen Demand	98.0	2.00	mg/L	100		98.0	80-120			QAL1
Calibration Check (P3E2309-CCV3)				Prepared: 05/23/23 Analyzed: 05/24/23						
Chemical Oxygen Demand	98.0	2.00	mg/L	100		98.0	80-120			QAL1
Duplicate (P3E2309-DUP1)	**Source: 3E12007-01**			Prepared: 05/23/23 Analyzed: 05/24/23						
Chemical Oxygen Demand	79.0	2.00	mg/L		79.0			0.00	20	QAL1
Duplicate (P3E2309-DUP2)	**Source: 3E19003-01**			Prepared: 05/23/23 Analyzed: 05/24/23						
Chemical Oxygen Demand	52.0	2.00	mg/L		5.00			165	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

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 P3E2309 - * DEFAULT PREP *** **										
Matrix Spike (P3E2309-MS1)	**Source: 3E12007-01**			Prepared: 05/23/23 Analyzed: 05/24/23						
Chemical Oxygen Demand	194	2.00	mg/L	100	79.0	115	80-120			QAL1
Matrix Spike (P3E2309-MS2)	**Source: 3E19003-01**			Prepared: 05/23/23 Analyzed: 05/24/23						
Chemical Oxygen Demand	200	2.00	mg/L	100	5.00	195	80-120			QAL1, QM-05
Matrix Spike Dup (P3E2309-MSD1)	**Source: 3E12007-01**			Prepared: 05/23/23 Analyzed: 05/24/23						
Chemical Oxygen Demand	193	2.00	mg/L	100	79.0	114	80-120	0.517	20	QAL1
Matrix Spike Dup (P3E2309-MSD2)	**Source: 3E19003-01**			Prepared: 05/23/23 Analyzed: 05/24/23						
Chemical Oxygen Demand	200	2.00	mg/L	100	5.00	195	80-120	0.00	20	QAL1, 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

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: 6/9/2023

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
1400 Rankin Hwy
Midland, Texas 79701

Phone: 432-686-7235

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:
e-mail: cdstanley@trccompanies.com, cjbryant@paalp.com, khudgens@paalp.com, mgreen@trccompanies.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 #: 3E19003

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: TOC MW 5310	Dissolved Methane, Ethane, and Ethene by RSK-175	Total Dissolved Metals (Fe and Mn) by SW 6010	Nitrate and Sulfate bvy E300	COD by SM 5310	TOTAL: Total BTEX by 8260	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	MW-4			5-18-23	1030	1	9	X	1	7	2					GW	X	X	X	X	X	X		X
2	MW-6			5-1	1140	1	9	X	1	7	2					GW	X	X	X	X	X	X		X
3	MW-7				12.33	1	9	X	1	7	2					GW	X	X	X	X	X	X		X
4	MW-2				1335	1	9	X	1	7	2					GW	X	X	X	X	X	X		X
5	MW-1				1424	1	9	X	1	7	2					GW	X	X	X	X	X	X		X
6	MW-3A				1535	1	9	X	1	7	2					GW	X	X	X	X	X	X		X

Special Instructions:
BILL TO PLAINS

Relinquished by:	Date	Time	Received by:	Date	Time
Manny	5-19-23	0920			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	Date	Time
				5/19/23	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: 5.4 °C
Adjusted: °C Factor

NCF 13

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

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: TOC-415.1	Fe,Mn Diss ICP-MS 6020A	RSK SOP-175	24 HOUR	STANDARD
	3E19003-01			5/18/2023	10:30	X	5	X	X	X	X					W	X	X	X		
	3E19003-02			5/18/2023	11:40	X	5	X	X	X	X					W	X	X	X		
	3E19003-03			5/18/2023	12:33	X	5	X	X	X	X					W	X	X	X		
	3E19003-04			5/18/2023	13:35	X	5	X	X	X	X					W	X	X	X		
	3E19003-05			5/18/2023	14:24	X	5	X	X	X	X					W	X	X	X		
	3E19003-06			5/18/2023	15:35	X	5	X	X	X	X					W	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

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
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May 31, 2023

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

Work Order: **HS23051661**

Laboratory Results for: **3E19003**

Dear Brent Barron,

ALS Environmental received 6 sample(s) on May 24, 2023 for the analysis presented in the following report.

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

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

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

Sincerely,

Generated By: DAYNA.FISHER
Anna Kinchen
Project Manager

ALS Houston, US Date: 31-May-23

Client: Permian Basin Environmental Lab, LP
Project: 3E19003
Work Order: HS23051661

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23051661-01	3E19003-01	Water		18-May-2023 10:30	23-May-2023 09:30	☐
HS23051661-02	3E19003-02	Water		18-May-2023 11:40	23-May-2023 09:30	☐
HS23051661-03	3E19003-03	Water		18-May-2023 12:33	23-May-2023 09:30	☐
HS23051661-04	3E19003-04	Water		18-May-2023 13:35	23-May-2023 09:30	☐
HS23051661-05	3E19003-05	Water		18-May-2023 14:24	23-May-2023 09:30	☐
HS23051661-06	3E19003-06	Water		18-May-2023 15:35	23-May-2023 09:30	☐

ALS Houston, US Date: 31-May-23

Client: Permian Basin Environmental Lab, LP **CASE NARRATIVE**
Project: 3E19003
Work Order: HS23051661

GC Semivolatiles by Method RSK-175

Batch ID: R436491

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

Metals by Method SW6020A

Batch ID: 194423

Sample ID: HS23051815-02MS

• MS and MSD are for an unrelated sample

WetChemistry by Method E415.1

Batch ID: R436437

Sample ID: 3E19003-06 (HS23051661-06)

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

ALS Houston, US Date: 31-May-23

Client: Permian Basin Environmental Lab, LP
Project: 3E19003
Sample ID: 3E19003-01
Collection Date: 18-May-2023 10:30

ANALYTICAL REPORT
WorkOrder:HS23051661
Lab ID:HS23051661-01
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		**Method:RSK-175**				Analyst: SAM
Ethane	ND		1.00	ug/L	1	26-May-2023 15:58
Ethene	ND		1.00	ug/L	1	26-May-2023 15:58
Methane	**1.02**		**0.500**	**ug/L**	1	26-May-2023 15:58
DISSOLVED METALS BY SW6020A		**Method:SW6020A (dissolved)**		Prep:SW3010A / 30-May-2023		Analyst: JC
Iron	ND		0.200	mg/L	1	30-May-2023 16:41
Manganese	**0.269**		**0.00500**	**mg/L**	1	30-May-2023 16:41
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: DW
Organic Carbon, Total	**4.12**		**1.00**	**mg/L**	1	26-May-2023 14:09

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

ALS Houston, US Date: 31-May-23

Client: Permian Basin Environmental Lab, LP
Project: 3E19003
Sample ID: 3E19003-02
Collection Date: 18-May-2023 11:40

ANALYTICAL REPORT
WorkOrder:HS23051661
Lab ID:HS23051661-02
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		**Method:RSK-175**				Analyst: SAM
Ethane	ND		1.00	ug/L	1	26-May-2023 16:26
Ethene	ND		1.00	ug/L	1	26-May-2023 16:26
Methane	**1.36**		**0.500**	**ug/L**	1	26-May-2023 16:26
DISSOLVED METALS BY SW6020A		**Method:SW6020A (dissolved)**		Prep:SW3010A / 30-May-2023		Analyst: JC
Iron	ND		0.200	mg/L	1	30-May-2023 16:43
Manganese	**0.209**		**0.00500**	**mg/L**	1	30-May-2023 16:43
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: DW
Organic Carbon, Total	**6.19**		**1.00**	**mg/L**	1	26-May-2023 14:22

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

ALS Houston, US Date: 31-May-23

Client: Permian Basin Environmental Lab, LP
Project: 3E19003
Sample ID: 3E19003-03
Collection Date: 18-May-2023 12:33

ANALYTICAL REPORT
WorkOrder:HS23051661
Lab ID:HS23051661-03
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		**Method:RSK-175**				Analyst: SAM
Ethane	ND		1.00	ug/L	1	26-May-2023 16:42
Ethene	ND		1.00	ug/L	1	26-May-2023 16:42
Methane	**4.12**		**0.500**	**ug/L**	1	26-May-2023 16:42
DISSOLVED METALS BY SW6020A		**Method:SW6020A (dissolved)**		Prep:SW3010A / 30-May-2023		Analyst: JC
Iron	ND		0.200	mg/L	1	30-May-2023 16:45
Manganese	**0.0853**		**0.00500**	**mg/L**	1	30-May-2023 16:45
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: DW
Organic Carbon, Total	**4.75**		**1.00**	**mg/L**	1	26-May-2023 15:02

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

ALS Houston, US Date: 31-May-23

Client: Permian Basin Environmental Lab, LP
Project: 3E19003
Sample ID: 3E19003-04
Collection Date: 18-May-2023 13:35

ANALYTICAL REPORT
WorkOrder:HS23051661
Lab ID:HS23051661-04
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		**Method:RSK-175**				Analyst: SAM
Ethane	ND		1.00	ug/L	1	26-May-2023 17:07
Ethene	ND		1.00	ug/L	1	26-May-2023 17:07
Methane	**56.8**		**1.00**	**ug/L**	2	26-May-2023 18:20
DISSOLVED METALS BY SW6020A		**Method:SW6020A (dissolved)**		Prep:SW3010A / 30-May-2023		Analyst: JC
Iron	ND		0.200	mg/L	1	30-May-2023 16:47
Manganese	**0.0410**		**0.00500**	**mg/L**	1	30-May-2023 16:47
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: DW
Organic Carbon, Total	**3.38**		**1.00**	**mg/L**	1	26-May-2023 15:15

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

ALS Houston, US Date: 31-May-23

Client: Permian Basin Environmental Lab, LP
Project: 3E19003
Sample ID: 3E19003-05
Collection Date: 18-May-2023 14:24

ANALYTICAL REPORT
WorkOrder:HS23051661
Lab ID:HS23051661-05
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		**Method:RSK-175**				Analyst: SAM
Ethane	**1.75**		**1.00**	**ug/L**	1	26-May-2023 17:16
Ethene	**2.32**		**1.00**	**ug/L**	1	26-May-2023 17:16
Methane	**355**		**10.0**	**ug/L**	20	26-May-2023 18:29
DISSOLVED METALS BY SW6020A		**Method:SW6020A (dissolved)**		Prep:SW3010A / 30-May-2023		Analyst: JC
Iron	ND		0.200	mg/L	1	30-May-2023 16:49
Manganese	**1.36**		**0.00500**	**mg/L**	1	30-May-2023 16:49
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: DW
Organic Carbon, Total	**18.8**		**10.0**	**mg/L**	10	26-May-2023 15:27

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

ALS Houston, US Date: 31-May-23

Client: Permian Basin Environmental Lab, LP
Project: 3E19003
Sample ID: 3E19003-06
Collection Date: 18-May-2023 15:35

ANALYTICAL REPORT
WorkOrder:HS23051661
Lab ID:HS23051661-06
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		**Method:RSK-175**				Analyst: SAM
Ethane	**1.56**		**1.00**	**ug/L**	1	26-May-2023 17:36
Ethene	ND		1.00	ug/L	1	26-May-2023 17:36
Methane	**560**		**10.0**	**ug/L**	20	26-May-2023 18:37
DISSOLVED METALS BY SW6020A		**Method:SW6020A (dissolved)**		Prep:SW3010A / 30-May-2023		Analyst: JC
Iron	**0.313**		**0.200**	**mg/L**	1	30-May-2023 16:51
Manganese	**1.21**		**0.00500**	**mg/L**	1	30-May-2023 16:51
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: DW
Organic Carbon, Total	ND		10.0	mg/L	10	26-May-2023 15:39

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

ALS Houston, US

Date: 31-May-23

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: 3E19003
WorkOrder: HS23051661

Batch ID: 194423 **Start Date:** 30 May 2023 09:30 **End Date:** 30 May 2023 09:30
Method: DISS METALS PREP - WATER - SW3010A **Prep Code:** 3010A DISS

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23051661-01		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS23051661-02		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS23051661-03		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS23051661-04		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS23051661-05		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS23051661-06		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2

ALS Houston, US Date: 31-May-23

Client: Permian Basin Environmental Lab, LP
Project: 3E19003
WorkOrder: HS23051661

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 194423 (0)	**Test Name :** DISSOLVED METALS BY SW6020A				**Matrix:** Water	
HS23051661-01	3E19003-01	18 May 2023 10:30		30 May 2023 09:30	30 May 2023 16:41	1
HS23051661-02	3E19003-02	18 May 2023 11:40		30 May 2023 09:30	30 May 2023 16:43	1
HS23051661-03	3E19003-03	18 May 2023 12:33		30 May 2023 09:30	30 May 2023 16:45	1
HS23051661-04	3E19003-04	18 May 2023 13:35		30 May 2023 09:30	30 May 2023 16:47	1
HS23051661-05	3E19003-05	18 May 2023 14:24		30 May 2023 09:30	30 May 2023 16:49	1
HS23051661-06	3E19003-06	18 May 2023 15:35		30 May 2023 09:30	30 May 2023 16:51	1
Batch ID: R436437 (0)	**Test Name :** TOTAL ORGANIC CARBON BY E415.1				**Matrix:** Water	
HS23051661-01	3E19003-01	18 May 2023 10:30			26 May 2023 14:09	1
HS23051661-02	3E19003-02	18 May 2023 11:40			26 May 2023 14:22	1
HS23051661-03	3E19003-03	18 May 2023 12:33			26 May 2023 15:02	1
HS23051661-04	3E19003-04	18 May 2023 13:35			26 May 2023 15:15	1
HS23051661-05	3E19003-05	18 May 2023 14:24			26 May 2023 15:27	10
HS23051661-06	3E19003-06	18 May 2023 15:35			26 May 2023 15:39	10
Batch ID: R436491 (0)	**Test Name :** DISSOLVED GASES BY RSK-175				**Matrix:** Water	
HS23051661-01	3E19003-01	18 May 2023 10:30			26 May 2023 15:58	1
HS23051661-02	3E19003-02	18 May 2023 11:40			26 May 2023 16:26	1
HS23051661-03	3E19003-03	18 May 2023 12:33			26 May 2023 16:42	1
HS23051661-04	3E19003-04	18 May 2023 13:35			26 May 2023 18:20	2
HS23051661-04	3E19003-04	18 May 2023 13:35			26 May 2023 17:07	1
HS23051661-05	3E19003-05	18 May 2023 14:24			26 May 2023 18:29	20
HS23051661-05	3E19003-05	18 May 2023 14:24			26 May 2023 17:16	1
HS23051661-06	3E19003-06	18 May 2023 15:35			26 May 2023 18:37	20
HS23051661-06	3E19003-06	18 May 2023 15:35			26 May 2023 17:36	1

ALS Houston, US Date: 31-May-23

Client: Permian Basin Environmental Lab, LP
Project: 3E19003
WorkOrder: HS23051661

QC BATCH REPORT

Batch ID: R436491 (0) **Instrument:** FID-4 **Method:** DISSOLVED GASES BY RSK-175

MBLK Sample ID: **MBLK-230526** Units: **ug/L** Analysis Date: **26-May-2023 09:12**
Client ID: Run ID: **FID-4_436491** SeqNo: **7329436** 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-230526** Units: **ug/L** Analysis Date: **26-May-2023 09:22**
Client ID: Run ID: **FID-4_436491** SeqNo: **7329437** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ethane	18.34	1.00	18.04	0	102	75 - 125				
Ethene	15.43	1.00	16.8	0	91.8	75 - 125				
Methane	7.831	0.500	9.647	0	81.2	75 - 125				

LCSD Sample ID: **LCSD-230526** Units: **ug/L** Analysis Date: **26-May-2023 09:33**
Client ID: Run ID: **FID-4_436491** SeqNo: **7329438** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ethane	18.79	1.00	18.04	0	104	75 - 125	18.34	2.46	30	
Ethene	15.7	1.00	16.8	0	93.5	75 - 125	15.43	1.78	30	
Methane	7.8	0.500	9.647	0	80.9	75 - 125	7.831	0.394	30	

DUP Sample ID: **HS23051622-03DUP** Units: **ug/L** Analysis Date: **26-May-2023 15:44**
Client ID: Run ID: **FID-4_436491** SeqNo: **7329456** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ethane	1.375	1.00					1.138	18.8	30	
Ethene	ND	1.00					0	0	30	
Methane	10.98	0.500					10.99	0.0747	30	

The following samples were analyzed in this batch: HS23051661-01 HS23051661-02 HS23051661-03 HS23051661-04 HS23051661-05 HS23051661-06

ALS Houston, US Date: 31-May-23

Client: Permian Basin Environmental Lab, LP
Project: 3E19003
WorkOrder: HS23051661

QC BATCH REPORT

Batch ID: 194423 (0) **Instrument: ICPMS06** **Method: DISSOLVED METALS BY SW6020A (DISSOLVED)**

MBLK Sample ID: **MBLKF1-194423** Units: **mg/L** Analysis Date: **30-May-2023 16:13**
Client ID: Run ID: **ICPMS06_436537** SeqNo: **7331140** PrepDate: **30-May-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Iron	ND	0.200								
Manganese	ND	0.00500								

MBLK Sample ID: **MBLK-194423** Units: **mg/L** Analysis Date: **30-May-2023 16:11**
Client ID: Run ID: **ICPMS06_436537** SeqNo: **7331139** PrepDate: **30-May-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Iron	ND	0.200								
Manganese	ND	0.00500								

LCS Sample ID: **LCS-194423** Units: **mg/L** Analysis Date: **30-May-2023 16:15**
Client ID: Run ID: **ICPMS06_436537** SeqNo: **7331141** PrepDate: **30-May-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Iron	4.812	0.200	5	0	96.2	80 - 120				
Manganese	0.04821	0.00500	0.05	0	96.4	80 - 120				

MS Sample ID: **HS23051815-02MS** Units: **mg/L** Analysis Date: **30-May-2023 16:23**
Client ID: Run ID: **ICPMS06_436537** SeqNo: **7331144** PrepDate: **30-May-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Iron	9.096	0.200	5	4.225	97.4	75 - 125				
Manganese	3.709	0.00500	0.05	3.583	251	75 - 125				SEO

MSD Sample ID: **HS23051815-02MSD** Units: **mg/L** Analysis Date: **30-May-2023 16:25**
Client ID: Run ID: **ICPMS06_436537** SeqNo: **7331145** PrepDate: **30-May-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Iron	9.153	0.200	5	4.225	98.6	75 - 125	9.096	0.625	20	
Manganese	3.737	0.00500	0.05	3.583	308	75 - 125	3.709	0.766	20	SEO

ALS Houston, US Date: 31-May-23

Client: Permian Basin Environmental Lab, LP
Project: 3E19003
WorkOrder: HS23051661

QC BATCH REPORT

Batch ID: 194423 (0) **Instrument: ICPMS06** **Method: DISSOLVED METALS BY SW6020A (DISSOLVED)**

PDS Sample ID: **HS23051815-02PDS** Units: **mg/L** Analysis Date: **30-May-2023 16:27**
Client ID: Run ID: **ICPMS06_436537** SeqNo: **7331146** PrepDate: **30-May-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Iron	14	0.200	10	4.225	97.8	75 - 125				

PDS Sample ID: **HS23051815-02PDS** Units: **mg/L** Analysis Date: **30-May-2023 16:57**
Client ID: Run ID: **ICPMS06_436537** SeqNo: **7331160** PrepDate: **30-May-2023** DF: **20**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Manganese	5.696	0.100	2	3.863	91.6	75 - 125				

SD Sample ID: **HS23051815-02SD** Units: **mg/L** Analysis Date: **30-May-2023 16:21**
Client ID: Run ID: **ICPMS06_436537** SeqNo: **7331143** PrepDate: **30-May-2023** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Iron	4.337	1.00					4.225	2.65	10	

SD Sample ID: **HS23051815-02SD** Units: **mg/L** Analysis Date: **30-May-2023 16:55**
Client ID: Run ID: **ICPMS06_436537** SeqNo: **7331159** PrepDate: **30-May-2023** DF: **100**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Manganese	3.853	0.500					3.863	0.257	10	

The following samples were analyzed in this batch: HS23051661-01 HS23051661-02 HS23051661-03 HS23051661-04 HS23051661-05 HS23051661-06

ALS Houston, US Date: 31-May-23

Client: Permian Basin Environmental Lab, LP
Project: 3E19003
WorkOrder: HS23051661

QC BATCH REPORT

Batch ID: R436437 (0) **Instrument: TOC_04** **Method: TOTAL ORGANIC CARBON BY E415.1**

MBLK Sample ID: **MBLK-05262023** Units: **mg/L** Analysis Date: **26-May-2023 12:23**
Client ID: Run ID: **TOC_04_436437** SeqNo: **7328072** 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-05262023** Units: **mg/L** Analysis Date: **26-May-2023 12:37**
Client ID: Run ID: **TOC_04_436437** SeqNo: **7328073** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	10.44	1.00	10	0	104	85 - 115				

LCSD Sample ID: **LCSD-05262023** Units: **mg/L** Analysis Date: **26-May-2023 12:50**
Client ID: Run ID: **TOC_04_436437** SeqNo: **7328074** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	10.1	1.00	10	0	101	85 - 115	10.44	3.31	20	

MS Sample ID: **HS23051581-01MS** Units: **mg/L** Analysis Date: **26-May-2023 13:17**
Client ID: Run ID: **TOC_04_436437** SeqNo: **7328076** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	18.41	1.00	10	7.394	110	80 - 120				

The following samples were analyzed in this batch: HS23051661-01 HS23051661-02 HS23051661-03 HS23051661-04 HS23051661-05 HS23051661-06

ALS Houston, US Date: 31-May-23

Client: Permian Basin Environmental Lab, LP
Project: 3E19003
WorkOrder: **HS23051661**

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: 31-May-23

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	88-00356	27-Mar-2024
Dept of Defense	L23-358	31-May-2025
Florida	E87611-37	30-Jun-2023
Kansas	E-10352; 2022-2023	31-Jul-2023
Louisiana	03087, 2022-2023	30-Jun-2023
Maryland	343, 2022-2023	30-Jun-2023
North Carolina	624-2023	31-Dec-2023
Oklahoma	2022-141	31-Aug-2023
Texas	T104704231-23-31	30-Apr-2024
Utah	TX026932022-13	31-Jul-2023

ALS Houston, US Date: 31-May-23

Sample Receipt Checklist

Work Order ID: HS23051661 **Date/Time Received:** 24-May-2023 09:30

Client Name: Permian Basin Lab **Received by:** Corey Grandits

Completed By:	/S/ Malcolm Burleson	24-May-2023 17:47	**Reviewed by:**	/S/ Anna Kinchen	25-May-2023 14:14
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **solid** Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Samplers name present on COC?	Yes ☐	No ☑	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	2.4uc 2.3c	ir31	
Cooler(s)/Kit(s):	red		
Date/Time sample(s) sent to storage:	05242023		
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

Fax No:

Sampler Signature: N/A

e-mail: brentbarron@pbelab.com

Project Name: SUBCONTRACT

Project #:

Project Loc:

PO #:

Report Format: X Standard ☐ TRRP ☐ NPDES

HS23051661

Permian Basin Environmental Lab, LP

3E19003

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 500/250POLY	NaOH /Ascorbic Acid 250ML P	$Na_2S_2O_3$	NONE	NONE 3 AMBER VOA	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Sol NP=Non-Potable Specify Other	TOC-415.1	Fe,Mn Diss ICP-MS 6020A	RSK SOP-175											24 HOUR	STANDARD
	3E19003-01			5/18/2023	10:30	X	5	X	X	X	X					W	X	X	X												
	3E19003-02			5/18/2023	11:40	X	5	X	X	X	X					W	X	X	X												
	3E19003-03			5/18/2023	12:33	X	5	X	X	X	X					W	X	X	X												
	3E19003-04			5/18/2023	13:35	X	5	X	X	X	X					W	X	X	X												
	3E19003-05			5/18/2023	14:24	X	5	X	X	X	X					W	X	X	X												
	3E19003-06			5/18/2023	15:35	X	5	X	X	X	X					W	X	X	X												

Preservation & # of Containers

SPECIAL INSTRUCTIONS:

Relinquished by:	Date	Time	Received by:	Date	Time
Brent Barron	5/22/23	17:00			
Relinquished by:	Date	Time	Received by: CG	5-23-23	09?0
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: 2.4° °C Factor

Cooler Rec'd IR## 3' CF-0.1

RIGHT SOLUTIONS | RIGHT PARTNER

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_MNA

Project Number: TNM Monument-10

Location: Lea County, NM

Lab Order Number: 3H02012

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 08/18/23

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	3H02012-01	Water	08/01/23 12:10	08-02-2023 09:10
MW-6	3H02012-02	Water	08/01/23 12:58	08-02-2023 09:10
MW-7	3H02012-03	Water	08/01/23 14:15	08-02-2023 09:10
MW-2	3H02012-04	Water	08/01/23 15:07	08-02-2023 09:10
MW-1	3H02012-05	Water	08/01/23 16:20	08-02-2023 09:10
MW-3A	3H02012-06	Water	08/01/23 17:18	08-02-2023 09:10

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

3H02012-01 (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	P3H0805	08/08/23 09:56	08/08/23 16:02	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3H0805	08/08/23 09:56	08/08/23 16:02	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3H0805	08/08/23 09:56	08/08/23 16:02	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3H0805	08/08/23 09:56	08/08/23 16:02	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3H0805	08/08/23 09:56	08/08/23 16:02	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*166 %*	*80-120*		*P3H0805*	*08/08/23 09:56*	*08/08/23 16:02*	*EPA 8021B*	*S-GC*
Surrogate: 1,4-Difluorobenzene		*87.3 %*	*80-120*		*P3H0805*	*08/08/23 09:56*	*08/08/23 16:02*	*EPA 8021B*	
Ethane	ND	1.00	mg/L	1	P3H1710	08/11/23 08:00	08/11/23 08:53	8015M	
Ethene	ND	1.00	mg/L	1	P3H1710	08/11/23 08:00	08/11/23 08:53	8015M	
Methane	ND	0.500	mg/L	1	P3H1710	08/11/23 08:00	08/11/23 08:53	8015M	
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	ND	2.00	mg/L	1	P3H1512	08/15/23 11:15	08/17/23 13:10	8000	QAL1
Nitrate as N	**2.39**	0.200	mg/L	1	P3H0211	08/02/23 12:24	08/04/23 12:56	EPA 300.0	
Sulfate	**81.5**	1.00	mg/L	1	P3H0211	08/02/23 12:24	08/04/23 12:56	EPA 300.0	
Total Organic Carbon	**4.32**	1.00	mg/L	1	P3H1710	08/07/23 14:18	08/07/23 14:18	EPA 415.1	
Dissolved Metals by EPA / Standard Methods									
Iron	ND	0.200	mg/L	1	P3H1710	08/09/23 12:30	08/10/23 22:27	EPA 6020A	
Manganese	**0.0220**	0.00500	mg/L	1	P3H1710	08/09/23 12:30	08/10/23 22:27	EPA 6020A	

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

3H02012-02 (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	P3H0805	08/08/23 09:56	08/08/23 16:23	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3H0805	08/08/23 09:56	08/08/23 16:23	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3H0805	08/08/23 09:56	08/08/23 16:23	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3H0805	08/08/23 09:56	08/08/23 16:23	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3H0805	08/08/23 09:56	08/08/23 16:23	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*166 %*	*80-120*		*P3H0805*	*08/08/23 09:56*	*08/08/23 16:23*	*EPA 8021B*	*S-GC*
Surrogate: 1,4-Difluorobenzene		*89.0 %*	*80-120*		*P3H0805*	*08/08/23 09:56*	*08/08/23 16:23*	*EPA 8021B*	
Ethane	ND	1.00	mg/L	1	P3H1710	08/11/23 08:00	08/11/23 09:07	8015M	
Ethene	ND	1.00	mg/L	1	P3H1710	08/11/23 08:00	08/11/23 09:07	8015M	
Methane	ND	0.500	mg/L	1	P3H1710	08/11/23 08:00	08/11/23 09:07	8015M	
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	ND	2.00	mg/L	1	P3H1512	08/15/23 11:15	08/17/23 13:10	8000	QAL1
Nitrate as N	**0.501**	0.200	mg/L	1	P3H0211	08/02/23 12:24	08/04/23 13:58	EPA 300.0	
Sulfate	**25.2**	1.00	mg/L	1	P3H0211	08/02/23 12:24	08/04/23 13:58	EPA 300.0	
Total Organic Carbon	**6.00**	1.00	mg/L	1	P3H1710	08/07/23 14:18	08/07/23 14:45	EPA 415.1	
Dissolved Metals by EPA / Standard Methods									
Iron	ND	0.200	mg/L	1	P3H1710	08/09/23 12:30	08/10/23 09:07	EPA 6020A	
Manganese	**0.287**	0.00500	mg/L	1	P3H1710	08/09/23 12:30	08/10/23 09:07	EPA 6020A	

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

3H02012-03 (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	P3H0805	08/08/23 09:56	08/08/23 16:44	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3H0805	08/08/23 09:56	08/08/23 16:44	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3H0805	08/08/23 09:56	08/08/23 16:44	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3H0805	08/08/23 09:56	08/08/23 16:44	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3H0805	08/08/23 09:56	08/08/23 16:44	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*171 %*	*80-120*		*P3H0805*	*08/08/23 09:56*	*08/08/23 16:44*	*EPA 8021B*	*S-GC*
Surrogate: 1,4-Difluorobenzene		*88.9 %*	*80-120*		*P3H0805*	*08/08/23 09:56*	*08/08/23 16:44*	*EPA 8021B*	
Ethane	ND	1.00	mg/L	1	P3H1710	08/11/23 08:00	08/11/23 09:21	8015M	
Ethene	ND	1.00	mg/L	1	P3H1710	08/11/23 08:00	08/11/23 09:21	8015M	
Methane	ND	0.500	mg/L	1	P3H1710	08/11/23 08:00	08/11/23 09:21	8015M	
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	ND	2.00	mg/L	1	P3H1512	08/15/23 11:15	08/17/23 13:10	8000	QAL1
Nitrate as N	**0.791**	0.200	mg/L	1	P3H0211	08/02/23 12:24	08/04/23 14:18	EPA 300.0	
Sulfate	**52.3**	1.00	mg/L	1	P3H0211	08/02/23 12:24	08/04/23 14:18	EPA 300.0	
Total Organic Carbon	**4.84**	1.00	mg/L	1	P3H1710	08/07/23 14:45	08/07/23 14:58	EPA 415.1	
Dissolved Metals by EPA / Standard Methods									
Iron	ND	0.200	mg/L	1	P3H1710	08/09/23 12:30	08/11/23 22:31	EPA 6020A	
Manganese	**0.0236**	0.00500	mg/L	1	P3H1710	08/09/23 12:30	08/11/23 22:31	EPA 6020A	

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

3H02012-04 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	**0.00169**	0.00100	mg/L	1	P3H0805	08/08/23 09:56	08/09/23 09:50	EPA 8021B	
Toluene	**0.00492**	0.00100	mg/L	1	P3H0805	08/08/23 09:56	08/09/23 09:50	EPA 8021B	
Ethylbenzene	**0.00380**	0.00100	mg/L	1	P3H0805	08/08/23 09:56	08/09/23 09:50	EPA 8021B	
Xylene (p/m)	**0.0136**	0.00200	mg/L	1	P3H0805	08/08/23 09:56	08/09/23 09:50	EPA 8021B	
Xylene (o)	**0.00477**	0.00100	mg/L	1	P3H0805	08/08/23 09:56	08/09/23 09:50	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*179 %*	*80-120*		*P3H0805*	*08/08/23 09:56*	*08/09/23 09:50*	*EPA 8021B*	*S-GC*
Surrogate: 1,4-Difluorobenzene		*82.7 %*	*80-120*		*P3H0805*	*08/08/23 09:56*	*08/09/23 09:50*	*EPA 8021B*	
Ethane	ND	1.00	mg/L	1	P3H1710	08/11/23 08:00	08/09/36 22:33	8015M	
Ethene	ND	1.00	mg/L	1	P3H1710	08/11/23 08:00	08/09/36 22:33	8015M	
Methane	ND	2.50	mg/L	1	P3H1710	08/11/23 08:00	08/11/36 12:10	8015M	
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	ND	2.00	mg/L	1	P3H1512	08/15/23 11:15	08/17/23 13:10	8000	QAL1
Nitrate as N	**0.832**	0.200	mg/L	1	P3H0211	08/02/23 12:24	08/04/23 14:39	EPA 300.0	
Sulfate	**39.9**	1.00	mg/L	1	P3H0211	08/02/23 12:24	08/04/23 14:39	EPA 300.0	
Total Organic Carbon	**3.40**	1.00	mg/L	1	P3H1710	08/07/23 14:58	08/07/23 15:11	EPA 415.1	
Dissolved Metals by EPA / Standard Methods									
Iron	ND	0.200	mg/L	1	P3H1710	08/09/23 12:30	08/10/23 22:33	EPA 6020A	
Manganese	**0.283**	0.00500	mg/L	1	P3H1710	08/09/23 12:30	08/10/23 22:33	EPA 6020A	

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

3H02012-05 (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	P3H0805	08/08/23 09:56	08/09/23 10:11	EPA 8021B	
Toluene	**0.00220**	0.00100	mg/L	1	P3H0805	08/08/23 09:56	08/09/23 10:11	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3H0805	08/08/23 09:56	08/09/23 10:11	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3H0805	08/08/23 09:56	08/09/23 10:11	EPA 8021B	
Xylene (o)	**0.00243**	0.00100	mg/L	1	P3H0805	08/08/23 09:56	08/09/23 10:11	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*174 %*	*80-120*		*P3H0805*	*08/08/23 09:56*	*08/09/23 10:11*	*EPA 8021B*	*S-GC*
Surrogate: 1,4-Difluorobenzene		*85.8 %*	*80-120*		*P3H0805*	*08/08/23 09:56*	*08/09/23 10:11*	*EPA 8021B*	
Ethane	ND	1.00	mg/L	1	P3H1710	08/11/23 08:00	08/11/23 09:51	8015M	
Ethene	ND	1.00	mg/L	1	P3H1710	08/11/23 08:00	08/11/23 09:51	8015M	
Methane	ND	2.50	mg/L	1	P3H1710	08/11/23 08:00	08/11/23 12:21	8015M	
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	**39.0**	2.00	mg/L	1	P3H1512	08/15/23 11:15	08/17/23 13:10	8000	QAL1
Nitrate as N	**0.226**	0.200	mg/L	1	P3H0211	08/02/23 12:24	08/04/23 14:59	EPA 300.0	
Sulfate	**11.1**	1.00	mg/L	1	P3H0211	08/02/23 12:24	08/04/23 14:59	EPA 300.0	
Total Organic Carbon	**16.3**	1.00	mg/L	1	P3H1710	08/07/23 15:11	08/07/23 15:51	EPA 415.1	
Dissolved Metals by EPA / Standard Methods									
Iron	ND	0.200	mg/L	1	P3H1710	08/09/23 12:30	08/10/23 22:35	EPA 6020A	
Manganese	**1.40**	0.00500	mg/L	1	P3H1710	08/09/23 12:30	08/10/23 22:35	EPA 6020A	

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

3H02012-06 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	**0.00534**	0.00100	mg/L	1	P3H0805	08/08/23 09:56	08/09/23 10:32	EPA 8021B	
Toluene	**0.0192**	0.00100	mg/L	1	P3H0805	08/08/23 09:56	08/09/23 10:32	EPA 8021B	
Ethylbenzene	**0.0136**	0.00100	mg/L	1	P3H0805	08/08/23 09:56	08/09/23 10:32	EPA 8021B	
Xylene (p/m)	**0.0226**	0.00200	mg/L	1	P3H0805	08/08/23 09:56	08/09/23 10:32	EPA 8021B	
Xylene (o)	**0.0151**	0.00100	mg/L	1	P3H0805	08/08/23 09:56	08/09/23 10:32	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*161 %*	*80-120*		*P3H0805*	*08/08/23 09:56*	*08/09/23 10:32*	*EPA 8021B*	*S-GC*
Surrogate: 1,4-Difluorobenzene		*82.8 %*	*80-120*		*P3H0805*	*08/08/23 09:56*	*08/09/23 10:32*	*EPA 8021B*	
Ethane	ND	1.00	mg/L	1	P3H1710	08/11/23 08:00	08/11/23 10:10	8015M	
Ethene	ND	1.00	mg/L	1	P3H1710	08/11/23 08:00	08/11/23 10:10	8015M	
Methane	ND	10.0	mg/L	1	P3H1710	08/11/23 08:00	08/11/23 12:30	8015M	
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	**13.0**	2.00	mg/L	1	P3H1512	08/15/23 11:15	08/17/23 13:10	8000	QAL1
Nitrate as N	**0.229**	0.200	mg/L	1	P3H0211	08/02/23 12:24	08/04/23 15:20	EPA 300.0	
Sulfate	**2.20**	1.00	mg/L	1	P3H0211	08/02/23 12:24	08/04/23 15:20	EPA 300.0	
Total Organic Carbon	**6.70**	1.00	mg/L	1	P3H1710	08/07/23 15:51	08/07/23 15:51	EPA 415.1	
Dissolved Metals by EPA / Standard Methods									
Iron	**0.827**	0.200	mg/L	1	P3H1710	08/09/23 12:30	08/10/23 22:37	EPA 6020A	
Manganese	**1.07**	0.00500	mg/L	1	P3H1710	08/09/23 12:30	08/10/23 22:37	EPA 6020A	

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 P3H0805 - * DEFAULT PREP *** **										
Blank (P3H0805-BLK1)				Prepared & Analyzed: 08/08/23						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	0.00105	0.00100	"							B
Surrogate: 4-Bromofluorobenzene	*0.196*		*"*	*0.120*		*163*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.105*		*"*	*0.120*		*87.5*	*80-120*			
LCS (P3H0805-BS1)				Prepared & Analyzed: 08/08/23						
Benzene	0.0898	0.00100	mg/L	0.100		89.8	80-120			
Toluene	0.0802	0.00100	"	0.100		80.2	80-120			
Ethylbenzene	0.0920	0.00100	"	0.100		92.0	80-120			
Xylene (p/m)	0.183	0.00200	"	0.200		91.3	80-120			
Xylene (o)	0.0857	0.00100	"	0.100		85.7	80-120			
Surrogate: 4-Bromofluorobenzene	*0.194*		*"*	*0.120*		*162*	*80-120*			*QM-05*
Surrogate: 1,4-Difluorobenzene	*0.113*		*"*	*0.120*		*94.0*	*80-120*			
LCS Dup (P3H0805-BSD1)				Prepared & Analyzed: 08/08/23						
Benzene	0.0980	0.00100	mg/L	0.100		98.0	80-120	8.66	20	
Toluene	0.0927	0.00100	"	0.100		92.7	80-120	14.5	20	
Ethylbenzene	0.108	0.00100	"	0.100		108	80-120	15.9	20	
Xylene (p/m)	0.212	0.00200	"	0.200		106	80-120	14.9	20	
Xylene (o)	0.0992	0.00100	"	0.100		99.2	80-120	14.6	20	
Surrogate: 4-Bromofluorobenzene	*0.208*		*"*	*0.120*		*173*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.111*		*"*	*0.120*		*92.5*	*80-120*			
Calibration Blank (P3H0805-CCB1)				Prepared & Analyzed: 08/08/23						
Benzene	0.250		ug/l							
Toluene	0.280		"							
Ethylbenzene	0.360		"							
Xylene (p/m)	0.810		"							
Xylene (o)	0.530		"							
Surrogate: 4-Bromofluorobenzene	*0.197*		*"*	*0.120*		*164*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.105*		*"*	*0.120*		*87.8*	*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 P3H0805 - * DEFAULT PREP *** **										
Calibration Blank (P3H0805-CCB2)				Prepared: 08/08/23 Analyzed: 08/09/23						
Benzene	0.290		ug/l							
Toluene	0.380		"							
Ethylbenzene	0.520		"							
Xylene (p/m)	1.43		"							
Xylene (o)	0.670		"							
Surrogate: 4-Bromofluorobenzene	*0.213*		*"*	*0.120*		*178*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.106*		*"*	*0.120*		*88.3*	*80-120*			
Calibration Check (P3H0805-CCV1)				Prepared & Analyzed: 08/08/23						
Benzene	0.0990	0.00100	mg/L	0.100		99.0	80-120			
Toluene	0.0904	0.00100	"	0.100		90.4	80-120			
Ethylbenzene	0.101	0.00100	"	0.100		101	80-120			
Xylene (p/m)	0.208	0.00200	"	0.200		104	80-120			
Xylene (o)	0.101	0.00100	"	0.100		101	80-120			
Surrogate: 4-Bromofluorobenzene	*0.188*		*"*	*0.120*		*157*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.107*		*"*	*0.120*		*89.1*	*80-120*			
Calibration Check (P3H0805-CCV2)				Prepared: 08/08/23 Analyzed: 08/09/23						
Benzene	0.0977	0.00100	mg/L	0.100		97.7	80-120			
Toluene	0.0905	0.00100	"	0.100		90.5	80-120			
Ethylbenzene	0.100	0.00100	"	0.100		100	80-120			
Xylene (p/m)	0.207	0.00200	"	0.200		103	80-120			
Xylene (o)	0.0996	0.00100	"	0.100		99.6	80-120			
Surrogate: 4-Bromofluorobenzene	*0.192*		*"*	*0.120*		*160*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.107*		*"*	*0.120*		*89.4*	*80-120*			
Calibration Check (P3H0805-CCV3)				Prepared: 08/08/23 Analyzed: 08/09/23						
Benzene	0.105	0.00100	mg/L	0.100		105	80-120			
Toluene	0.0956	0.00100	"	0.100		95.6	80-120			
Ethylbenzene	0.105	0.00100	"	0.100		105	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	*0.184*		*"*	*0.120*		*154*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.109*		*"*	*0.120*		*90.6*	*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 P3H0805 - * DEFAULT PREP *** **										
Matrix Spike (P3H0805-MS1)	**Source: 3H04007-10**			Prepared: 08/08/23 Analyzed: 08/09/23						
Benzene	0.0918	0.00100	mg/L	0.100	0.00312	88.7	80-120			
Toluene	0.0828	0.00100	"	0.100	0.00386	79.0	80-120			QM-05
Ethylbenzene	0.0878	0.00100	"	0.100	0.000640	87.2	80-120			
Xylene (p/m)	0.178	0.00200	"	0.200	0.00315	87.6	80-120			
Xylene (o)	0.0874	0.00100	"	0.100	0.00338	84.0	80-120			
Surrogate: 4-Bromofluorobenzene	*0.191*		"	*0.120*		*159*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.103*		"	*0.120*		*85.8*	*80-120*			
Matrix Spike Dup (P3H0805-MSD1)	**Source: 3H04007-10**			Prepared: 08/08/23 Analyzed: 08/09/23						
Benzene	0.104	0.00100	mg/L	0.100	0.00312	101	80-120	13.3	20	
Toluene	0.0954	0.00100	"	0.100	0.00386	91.6	80-120	14.8	20	
Ethylbenzene	0.103	0.00100	"	0.100	0.000640	102	80-120	15.8	20	
Xylene (p/m)	0.208	0.00200	"	0.200	0.00315	102	80-120	15.5	20	
Xylene (o)	0.103	0.00100	"	0.100	0.00338	99.4	80-120	16.7	20	
Surrogate: 4-Bromofluorobenzene	*0.191*		"	*0.120*		*159*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.103*		"	*0.120*		*86.0*	*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 P3H0211 - * DEFAULT PREP *** **										
Blank (P3H0211-BLK1)				Prepared: 08/02/23 Analyzed: 08/04/23						
Nitrate as N	ND	0.200	mg/L							
Sulfate	ND	1.00	"							
LCS (P3H0211-BS1)				Prepared: 08/02/23 Analyzed: 08/04/23						
Nitrate as N	9.92		mg/L	10.0		99.2	90-110			
Sulfate	10.0		"	10.0		100	90-110			
LCS Dup (P3H0211-BSD1)				Prepared: 08/02/23 Analyzed: 08/04/23						
Sulfate	10.1		mg/L	10.0		101	90-110	1.33	10	
Nitrate as N	10.0		"	10.0		100	90-110	1.33	10	
Calibration Check (P3H0211-CCV1)				Prepared & Analyzed: 08/02/23						
Nitrate as N	10.2		mg/L	10.0		102	90-110			
Sulfate	10.4		"	10.0		104	90-110			
Batch P3H1512 - * DEFAULT PREP *** **										
Blank (P3H1512-BLK1)				Prepared: 08/15/23 Analyzed: 08/17/23						
Chemical Oxygen Demand	ND	2.00	mg/L							QAL1
LCS (P3H1512-BS1)				Prepared: 08/15/23 Analyzed: 08/17/23						
Chemical Oxygen Demand	109	2.00	mg/L	100		109	80-120			QAL1
LCS Dup (P3H1512-BSD1)				Prepared: 08/15/23 Analyzed: 08/17/23						
Chemical Oxygen Demand	107	2.00	mg/L	100		107	80-120	1.85	20	QAL1
Calibration Blank (P3H1512-CCB1)				Prepared: 08/15/23 Analyzed: 08/17/23						
Chemical Oxygen Demand	0.00		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 P3H1512 - * DEFAULT PREP *** **										
Calibration Blank (P3H1512-CCB2)				Prepared: 08/15/23 Analyzed: 08/17/23						
Chemical Oxygen Demand	0.00		mg/L							QAL1
Calibration Check (P3H1512-CCV1)				Prepared: 08/15/23 Analyzed: 08/17/23						
Chemical Oxygen Demand	90.0	2.00	mg/L				80-120			QAL1
Calibration Check (P3H1512-CCV2)				Prepared: 08/15/23 Analyzed: 08/17/23						
Chemical Oxygen Demand	93.0	2.00	mg/L				80-120			QAL1
Calibration Check (P3H1512-CCV3)				Prepared: 08/15/23 Analyzed: 08/17/23						
Chemical Oxygen Demand	94.0	2.00	mg/L				80-120			QAL1
Duplicate (P3H1512-DUP1)		**Source: 3H10001-01**		Prepared: 08/15/23 Analyzed: 08/17/23						
Chemical Oxygen Demand	ND	2.00	mg/L		16.0				20	QAL1
Duplicate (P3H1512-DUP2)		**Source: 3H02012-04**		Prepared: 08/15/23 Analyzed: 08/17/23						
Chemical Oxygen Demand	13.0	2.00	mg/L		ND				20	QAL1
Matrix Spike (P3H1512-MS1)		**Source: 3H10001-01**		Prepared: 08/15/23 Analyzed: 08/17/23						
Chemical Oxygen Demand	108	2.00	mg/L	100	16.0	92.0	80-120			QAL1
Matrix Spike (P3H1512-MS2)		**Source: 3H02012-04**		Prepared: 08/15/23 Analyzed: 08/17/23						
Chemical Oxygen Demand	110	2.00	mg/L	100	ND	110	80-120			QAL1
Matrix Spike Dup (P3H1512-MSD1)		**Source: 3H10001-01**		Prepared: 08/15/23 Analyzed: 08/17/23						
Chemical Oxygen Demand	117	2.00	mg/L	100	16.0	101	80-120	8.00	20	QAL1
Matrix Spike Dup (P3H1512-MSD2)		**Source: 3H02012-04**		Prepared: 08/15/23 Analyzed: 08/17/23						
Chemical Oxygen Demand	121	2.00	mg/L	100	ND	121	80-120	9.52	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

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
B	Analyte is found in the associated blank as well as in the sample (CLP B-flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 8/18/2023

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
1400 Rankin Hwy
Midland, Texas 79701

Phone: 432-686-7235

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:

e-mail: cdstanley@trccompanies.com, cjbryant@paalp.com, khudgens@paalp.com, mgreen@trccompanies.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 #: 3H02012

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 (Field Filtered - 250 ml)	HCl - (40 ml VOA)	H_2SO_4 (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: TOC MW 5310	Dissolved Methane, Ethane, and Ethene by RSK-175	Total Dissolved Metals (Fe and Mn) by SW 6010	Nitrate and Sulfate bvy E300	COD by SM 5310	Total BTEX by 8260	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	MW-4			8-1-23	1210		9	X	1	7	2					GW		X	X	X	X	X	X		X
2	MW-6				1258		9	X	1	7	2					GW		X	X	X	X	X	X		X
3	MW-7				1415		9	X	1	7	2					GW		X	X	X	X	X	X		X
4	MW-2				1507		9	X	1	7	2					GW		X	X	X	X	X	X		X
5	MW-11				1620		9	X	1	7	2					GW		X	X	X	X	X	X		X
6	MW-3A				1718		9	X	1	7	2					GW		X	X	X	X	X	X		X

Special Instructions:
BILL TO PLAINS

Relinquished by:	Date	Time	Received by:	Date	Time
Manny	8-2-23	910			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	Date	Time
				8/2/23	9:10

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: 5.9 °C Factor NCF 13

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

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: Fe Diss. ICP-MS 6020A	Mn Diss ICP-MS 6020A	RSK SOP-175	TOC-415.1									24 HOUR	STANDARD
	3H02012-01			8/1/2023	12:10		5	X	X		X					W	X	X	X	X									X
	3H02012-02			8/1/2023	12:58		5	X	X		X					W	X	X	X	X									X
	3H02012-03			8/1/2023	14:15		5	X	X		X					W	X	X	X	X									X
	3H02012-04			8/1/2023	15:07		5	X	X		X					W	X	X	X	X									X
	3H02012-05			8/1/2023	16:20		5	X	X		X					W	X	X	X	X									X
	3H02012-06			8/1/2023	17:18		5	X	X		X					W	X	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

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: 3K03004

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 11/14/23

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-3A	3K03004-01	Water	11/02/23 15:45	11-03-2023 08:50

Low Level PAH analysis was subcontracted to ALS Houston. Their report is attached after the Chain of Custody. Their TCEQ TNI certification number can be found here:
https://www.tceq.texas.gov/assets/public/compliance/compliance_support/qa/labs/als_svcs_houston.pdf

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

MW-3A

3K03004-01 (Water)

Permian Basin Environmental Lab, L.P.

PAH compounds by Semivolatile GCMS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1-Methylnaphthalene	**0.15**	0.0020	mg/L	1	P3K1307	11/08/23 13:00	11/09/23 16:55	8270C	SUB-13
2-Methylnaphthalene	**0.11**	0.0020	mg/L	1	P3K1307	11/08/23 13:00	11/09/23 16:55	8270C	SUB-13
Acenaphthene	ND	0.0020	mg/L	1	P3K1307	11/08/23 13:00	11/09/23 16:55	8270C	SUB-13
Acenaphthylene	**0.0035**	0.0020	mg/L	1	P3K1307	11/08/23 13:00	11/09/23 16:55	8270C	SUB-13
Anthracene	ND	0.0020	mg/L	1	P3K1307	11/08/23 13:00	11/09/23 16:55	8270C	SUB-13
Benzo (a) anthracene	ND	0.0020	mg/L	1	P3K1307	11/08/23 13:00	11/09/23 16:55	8270C	SUB-13
Benzo (a) pyrene	ND	0.0020	mg/L	1	P3K1307	11/08/23 13:00	11/09/23 16:55	8270C	SUB-13
Benzo (b) fluoranthene	ND	0.0020	mg/L	1	P3K1307	11/08/23 13:00	11/09/23 16:55	8270C	SUB-13
Benzo (g,h,i) perylene	ND	0.0020	mg/L	1	P3K1307	11/08/23 13:00	11/09/23 16:55	8270C	SUB-13
Benzo (k) fluoranthene	ND	0.0020	mg/L	1	P3K1307	11/08/23 13:00	11/09/23 16:55	8270C	SUB-13
Chrysene	ND	0.0020	mg/L	1	P3K1307	11/08/23 13:00	11/09/23 16:55	8270C	SUB-13
Dibenzo (a,h) anthracene	ND	0.0020	mg/L	1	P3K1307	11/08/23 13:00	11/09/23 16:55	8270C	SUB-13
Dibenzofuran	ND	0.0020	mg/L	1	P3K1307	11/08/23 13:00	11/09/23 16:55	8270C	SUB-13
Fluoranthene	**0.021**	0.0020	mg/L	1	P3K1307	11/08/23 13:00	11/09/23 16:55	8270C	SUB-13
Fluorene	ND	0.0020	mg/L	1	P3K1307	11/08/23 13:00	11/09/23 16:55	8270C	SUB-13
Indeno (1,2,3-cd) pyrene	**0.032**	0.0020	mg/L	1	P3K1307	11/08/23 13:00	11/09/23 16:55	8270C	SUB-13
Naphthalene	**0.026**	0.0020	mg/L	1	P3K1307	11/08/23 13:00	11/09/23 16:55	8270C	SUB-13
Phenanthrene	ND	0.0020	mg/L	1	P3K1307	11/08/23 13:00	11/09/23 16:55	8270C	SUB-13
Pyrene	ND	0.0020	mg/L	1	P3K1307	11/08/23 13:00	11/09/23 16:55	8270C	SUB-13

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

TRC Solutions- Midland, Texas	Project: Monument 10
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
pH1	The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.
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: 11/14/2023

Brent Barron, Laboratory Director/Technical Director

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235

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:

e-mail: cdstanley@trccompanies.com, cjbryant@paalp.com, khudgens@paalp.com, mgreen@trccompanies.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 #: 3K03004

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 (Field Filtered - 250 ml)	HCl - (40 ml VOA)	H_2SO_4 (250 ml)	NaOH	$Na_2S_2O_3$	None (40ml 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 bvy E300	COD by SM 5310	Total BTEX by 8260	PAH by 8270	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
	[illegible]			[illegible]	[illegible]		3	X						3		GW							X		X
1	MW 3A			11-2-23	1545		3	X						3									X		X

Special Instructions: BILL TO PLAINS

	Date	Time		Date	Time
Relinquished by: Manny	11-3-23	0850	Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by PBEL:	11/3/23	8:50

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: 4.0 °C
Adjusted: °C Factor NCF 13

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
Fax No:
Sampler Signature: N/A
e-mail: brentbarron@pbelab.com

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

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	$Na_2S_2O_3$	VOA AMBER UNPRESERVED	NONE	Matrix: DW=Drinking Water SL=Sludge / GW = Groundwater S=Soil/Solid / NP=Non-Potable Specify Other	Analyze For: 8270C PAH LL	24 HOUR RUSH	STANDARD
	3K03004-01			11/2/2023	15:45	Y	3	X						X		W	X		X

SPECIAL INSTRUCTIONS:

Relinquished by: Brent Barron	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Laboratory Comments:

Sample Containers Intact?	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		

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

November 10, 2023

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

Work Order: **HS23110433**

Laboratory Results for: **3K03004**

Dear Brent Barron,

ALS Environmental received 1 sample(s) on Nov 07, 2023 for the analysis presented in the following report.

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

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

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

Sincerely,

Generated By: DAYNA.FISHER
Anna Kinchen
Project Manager

ALS Houston, US Date: 10-Nov-23

Client: Permian Basin Environmental Lab, LP
Project: 3K03004
Work Order: HS23110433

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23110433-01	3K03004-01	Water		02-Nov-2023 15:45	07-Nov-2023 09:40	☐

ALS Houston, US Date: 10-Nov-23

Client: Permian Basin Environmental Lab, LP **CASE NARRATIVE**
Project: 3K03004
Work Order: HS23110433

GCMS Semivolatiles by Method SW8270

Batch ID: 203198

Sample ID: 3K03004-01 (HS23110433-01)

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

Sample ID: LCSD-203198

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

ALS Houston, US Date: 10-Nov-23

Client: Permian Basin Environmental Lab, LP
Project: 3K03004
Sample ID: 3K03004-01
Collection Date: 02-Nov-2023 15:45

ANALYTICAL REPORT
WorkOrder:HS23110433
Lab ID:HS23110433-01
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL PAHS - 8270D	**Method:SW8270**			Prep:SW3511 / 08-Nov-2023		Analyst: MBG
1-Methylnaphthalene	**150**	n	**2.00**	**ug/L**	20	09-Nov-2023 16:55
2-Methylnaphthalene	**110**		**2.00**	**ug/L**	20	09-Nov-2023 16:55
Acenaphthene	ND		2.00	ug/L	20	09-Nov-2023 16:55
Acenaphthylene	**3.52**		**2.00**	**ug/L**	20	09-Nov-2023 16:55
Anthracene	ND		2.00	ug/L	20	09-Nov-2023 16:55
Benz(a)anthracene	ND		2.00	ug/L	20	09-Nov-2023 16:55
Benzo(a)pyrene	ND		2.00	ug/L	20	09-Nov-2023 16:55
Benzo(b)fluoranthene	ND		2.00	ug/L	20	09-Nov-2023 16:55
Benzo(g,h,i)perylene	ND		2.00	ug/L	20	09-Nov-2023 16:55
Benzo(k)fluoranthene	ND		2.00	ug/L	20	09-Nov-2023 16:55
Chrysene	ND		2.00	ug/L	20	09-Nov-2023 16:55
Dibenz(a,h)anthracene	ND		2.00	ug/L	20	09-Nov-2023 16:55
Fluoranthene	ND		2.00	ug/L	20	09-Nov-2023 16:55
Fluorene	**21.0**		**2.00**	**ug/L**	20	09-Nov-2023 16:55
Indeno(1,2,3-cd)pyrene	ND		2.00	ug/L	20	09-Nov-2023 16:55
Naphthalene	**31.7**		**2.00**	**ug/L**	20	09-Nov-2023 16:55
Phenanthrene	**25.6**		**2.00**	**ug/L**	20	09-Nov-2023 16:55
Pyrene	ND		2.00	ug/L	20	09-Nov-2023 16:55
Surr: 2-Fluorobiphenyl	*0*	*JS*	*32-130*	*%REC*	*20*	*09-Nov-2023 16:55*
Surr: 4-Terphenyl-d14	*0*	*JS*	*40-135*	*%REC*	*20*	*09-Nov-2023 16:55*
Surr: Nitrobenzene-d5	*0*	*JS*	*45-142*	*%REC*	*20*	*09-Nov-2023 16:55*

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

ALS Houston, US

Date: 10-Nov-23

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: 3K03004
WorkOrder: HS23110433

Batch ID: 203198 **Start Date:** 08 Nov 2023 13:00 **End Date:** 08 Nov 2023 13:00
Method: SW3511 **Prep Code:** 3511_PAH

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23110433-01		33 (mL)	2 (mL)	0.06061	40 mL Amber

ALS Houston, US Date: 10-Nov-23

Client: Permian Basin Environmental Lab, LP
Project: 3K03004
WorkOrder: HS23110433

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 203198 (0)	**Test Name :** LOW-LEVEL PAHS - 8270D				**Matrix:** Water	
HS23110433-01	3K03004-01	02 Nov 2023 15:45		08 Nov 2023 13:00	09 Nov 2023 16:55	20

ALS Houston, US Date: 10-Nov-23

Client: Permian Basin Environmental Lab, LP
Project: 3K03004
WorkOrder: HS23110433

QC BATCH REPORT

Batch ID: 203198 (0) **Instrument: SV-6** **Method: LOW-LEVEL PAHS - 8270D**

MBLK Sample ID: **MBLK-203198** Units: **ug/L** Analysis Date: **09-Nov-2023 14:00**
Client ID: Run ID: **SV-6_451506** SeqNo: **7666734** PrepDate: **08-Nov-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
1-Methylnaphthalene	ND	0.100							
2-Methylnaphthalene	ND	0.100							
Acenaphthene	ND	0.100							
Acenaphthylene	ND	0.100							
Anthracene	ND	0.100							
Benz(a)anthracene	ND	0.100							
Benzo(a)pyrene	ND	0.100							
Benzo(b)fluoranthene	ND	0.100							
Benzo(g,h,i)perylene	ND	0.100							
Benzo(k)fluoranthene	ND	0.100							
Chrysene	ND	0.100							
Dibenz(a,h)anthracene	ND	0.100							
Fluoranthene	ND	0.100							
Fluorene	ND	0.100							
Indeno(1,2,3-cd)pyrene	ND	0.100							
Naphthalene	ND	0.100							
Phenanthrene	ND	0.100							
Pyrene	ND	0.100							
Surr: 2-Fluorobiphenyl	*3.02*	*0.100*	*3.03*	*0*	*99.7*	*32 - 130*			
Surr: 4-Terphenyl-d14	*3.191*	*0.100*	*3.03*	*0*	*105*	*40 - 135*			
Surr: Nitrobenzene-d5	*2.36*	*0.100*	*3.03*	*0*	*77.9*	*45 - 142*			

ALS Houston, US Date: 10-Nov-23

Client: Permian Basin Environmental Lab, LP
Project: 3K03004
WorkOrder: HS23110433

QC BATCH REPORT

Batch ID: 203198 (0) **Instrument: SV-6** **Method: LOW-LEVEL PAHS - 8270D**

LCS Sample ID: **LCS-203198** Units: **ug/L** Analysis Date: **09-Nov-2023 14:20**
Client ID: Run ID: **SV-6_451506** SeqNo: **7666735** PrepDate: **08-Nov-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	4.188	0.100	3.03	0	138	40 - 140				
2-Methylnaphthalene	2.614	0.100	3.03	0	86.3	40 - 140				
Acenaphthene	2.977	0.100	3.03	0	98.2	40 - 140				
Acenaphthylene	2.946	0.100	3.03	0	97.2	40 - 140				
Anthracene	3.521	0.100	3.03	0	116	40 - 140				
Benz(a)anthracene	2.964	0.100	3.03	0	97.8	40 - 140				
Benzo(a)pyrene	2.425	0.100	3.03	0	80.0	40 - 140				
Benzo(b)fluoranthene	2.009	0.100	3.03	0	66.3	40 - 140				
Benzo(g,h,i)perylene	3.098	0.100	3.03	0	102	40 - 140				
Benzo(k)fluoranthene	2.064	0.100	3.03	0	68.1	40 - 140				
Chrysene	3.849	0.100	3.03	0	127	40 - 140				
Dibenz(a,h)anthracene	2.486	0.100	3.03	0	82.0	40 - 140				
Fluoranthene	3.967	0.100	3.03	0	131	40 - 140				
Fluorene	2.813	0.100	3.03	0	92.9	40 - 140				
Indeno(1,2,3-cd)pyrene	2.781	0.100	3.03	0	91.8	40 - 140				
Naphthalene	3.158	0.100	3.03	0	104	40 - 140				
Phenanthrene	2.068	0.100	3.03	0	68.2	40 - 140				
Pyrene	2.9	0.100	3.03	0	95.7	40 - 140				
Surr: 2-Fluorobiphenyl	*2.696*	*0.100*	*3.03*	*0*	*89.0*	*32 - 130*				
Surr: 4-Terphenyl-d14	*2.971*	*0.100*	*3.03*	*0*	*98.0*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.318*	*0.100*	*3.03*	*0*	*110*	*45 - 142*				

ALS Houston, US Date: 10-Nov-23

Client: Permian Basin Environmental Lab, LP
Project: 3K03004
WorkOrder: HS23110433

QC BATCH REPORT

Batch ID: 203198 (0) **Instrument: SV-6** **Method: LOW-LEVEL PAHS - 8270D**

LCSD Sample ID: **LCSD-203198** Units: **ug/L** Analysis Date: **09-Nov-2023 14:40**
Client ID: Run ID: **SV-6_451506** SeqNo: **7666736** PrepDate: **08-Nov-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	3.982	0.100	3.03	0	131	40 - 140	4.188	5.06	25	
2-Methylnaphthalene	2.902	0.100	3.03	0	95.8	40 - 140	2.614	10.5	25	
Acenaphthene	3.127	0.100	3.03	0	103	40 - 140	2.977	4.92	25	
Acenaphthylene	3.135	0.100	3.03	0	103	40 - 140	2.946	6.24	25	
Anthracene	3.801	0.100	3.03	0	125	40 - 140	3.521	7.63	25	
Benz(a)anthracene	3.194	0.100	3.03	0	105	40 - 140	2.964	7.45	25	
Benzo(a)pyrene	3.841	0.100	3.03	0	127	40 - 140	2.425	45.2	25	R
Benzo(b)fluoranthene	2.475	0.100	3.03	0	81.7	40 - 140	2.009	20.8	25	
Benzo(g,h,i)perylene	3.862	0.100	3.03	0	127	40 - 140	3.098	21.9	25	
Benzo(k)fluoranthene	3.48	0.100	3.03	0	115	40 - 140	2.064	51.1	25	R
Chrysene	3.872	0.100	3.03	0	128	40 - 140	3.849	0.597	25	
Dibenz(a,h)anthracene	3.902	0.100	3.03	0	129	40 - 140	2.486	44.3	25	R
Fluoranthene	4.196	0.100	3.03	0	138	40 - 140	3.967	5.6	25	
Fluorene	3.157	0.100	3.03	0	104	40 - 140	2.813	11.5	25	
Indeno(1,2,3-cd)pyrene	3.35	0.100	3.03	0	111	40 - 140	2.781	18.6	25	
Naphthalene	3.084	0.100	3.03	0	102	40 - 140	3.158	2.38	25	
Phenanthrene	2.449	0.100	3.03	0	80.8	40 - 140	2.068	16.9	25	
Pyrene	2.995	0.100	3.03	0	98.8	40 - 140	2.9	3.22	25	
Surr: 2-Fluorobiphenyl	*2.774*	*0.100*	*3.03*	*0*	*91.6*	*32 - 130*	*2.696*	*2.88*	*25*	
Surr: 4-Terphenyl-d14	*3.576*	*0.100*	*3.03*	*0*	*118*	*40 - 135*	*2.971*	*18.5*	*25*	
Surr: Nitrobenzene-d5	*3.454*	*0.100*	*3.03*	*0*	*114*	*45 - 142*	*3.318*	*4.01*	*25*	

The following samples were analyzed in this batch: HS23110433-01

ALS Houston, US Date: 10-Nov-23

Client: Permian Basin Environmental Lab, LP
Project: 3K03004
WorkOrder: **HS23110433**

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-Nov-23

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L23-358	31-May-2025
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Louisiana	03087 2023-2024	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624-2023	31-Dec-2023
North Dakota	R-193 2023-2024	30-Apr-2024
Oklahoma	2023-140	31-Aug-2024
Texas	T104704231-23-31	30-Apr-2024
Utah	TX026932023-14	31-Jul-2024

ALS Houston, US Date: 10-Nov-23

Sample Receipt Checklist

Work Order ID: HS23110433 **Date/Time Received:** 07-Nov-2023 09:40

Client Name: Permian Basin Lab **Received by:** Corey Grandits

Completed By: /S/ Belinda Gomez (eSignature) 07-Nov-2023 13:18 (Date/Time) **Reviewed by:** /S/ Anna Kinchen (eSignature) 09-Nov-2023 09:28 (Date/Time)

Matrices: w Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:be
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):	3.9uc/3.8c	ir31	
Cooler(s)/Kit(s):	med red		
Date/Time sample(s) sent to storage:	11/7/23 1318		
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 Fax No:
Sampler Signature: N/A e-mail: brentbarron@pbelab.com

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

ORDER #:

Analyze For:

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	$Na_2S_2O_3$	VOA AMBER UNPRESERVED	NONE	Matrix: DW=Drinking Water SL=Sludge / GW = Groundwater S=Soil/Solid / NP=Non-Potable Specify Other	8270C PAH LL				24 HOUR RUSH	STANDARD
	3K03004-01			11/2/2023	15:45	Y	3	X						X		W	X					X

HS23110433
Permian Basin Environmental Lab, LP
3K03004

SPECIAL INSTRUCTIONS:

Relinquished by:	Date	Time	Received by:	Date	Time
Brent Barron	11/06/23	1600		11-7-23	0940
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: 3.40 °C
Adjusted: °C Factor

IR31

After printing this label:
CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH
1. Fold the printed page along the horizontal line.
2. Place label in shipping pouch and affix it to your shipment.

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 Service Guide. 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 Rev. 1

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: 3K03006

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 12/19/23

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	3K03006-01	Water	11/02/23 09:58	11-03-2023 09:05
MW-6	3K03006-02	Water	11/02/23 11:00	11-03-2023 09:05
MW-7	3K03006-03	Water	11/02/23 12:10	11-03-2023 09:05
MW-2	3K03006-04	Water	11/02/23 13:35	11-03-2023 09:05
MW-1	3K03006-05	Water	11/02/23 14:40	11-03-2023 09:05
MW-3A	3K03006-06	Water	11/02/23 15:45	11-03-2023 09:05

Due to an autosampler failure on our water Ion Chromatograph we were unable to process Sulfate and Nitrate samples. At the time of the failure, the analyst had made fresh standards specifically for this analysis. The samples and the standard were stored at the same location. Upon receipt of a new autosampler and verifying the calibration, the samples were processed using the same standard that the samples had been stored with. All QC passed.
Additionally, Historical data has been reviewed and these results were compared to the current samples. There were very few, if any, statistical anomalies.
TOC, Dissolved gasses Dissolved metals 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

This revised report corrects the Incorret Sub Lab Analysis being attached to the report.

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

3K03006-01 (Water)

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3K1007	11/10/23 14:57	11/11/23 20:37	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3K1007	11/10/23 14:57	11/11/23 20:37	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3K1007	11/10/23 14:57	11/11/23 20:37	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3K1007	11/10/23 14:57	11/11/23 20:37	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3K1007	11/10/23 14:57	11/11/23 20:37	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	*86.1 %*		*80-120*		*P3K1007*	*11/10/23 14:57*	*11/11/23 20:37*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene	*88.7 %*		*80-120*		*P3K1007*	*11/10/23 14:57*	*11/11/23 20:37*	*EPA 8021B*	
Ethane	ND	0.00100	mg/L	1	P3L0415	11/09/23 15:32	11/09/23 15:32	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P3L0415	11/09/23 15:32	11/09/23 15:32	8015M	SUB-13
Methane	**0.00113**	0.000500	mg/L	1	P3L0415	11/09/23 15:32	11/09/23 15:32	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	**17.0**	2.00	mg/L	1	P3K1409	11/14/23 11:05	11/17/23 08:47	8000	
Nitrate as N	**2.53**	0.200	mg/L	1	P3K0308	11/03/23 16:43	12/14/23 19:54	EPA 300.0	
Sulfate	**77.4**	10.0	mg/L	10	P3K0308	11/03/23 16:43	12/14/23 16:42	EPA 300.0	
Total Organic Carbon	**3.80**	1.00	mg/L	1	P3L0415	11/13/23 23:50	11/13/23 23:50	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	ND	0.200	mg/L	1	P3L0415	11/08/23 09:00	11/09/23 15:32	EPA 6020A	SUB-13
Manganese	**0.332**	0.00500	mg/L	1	P3L0415	11/08/23 09:00	11/09/23 15:32	EPA 6020A	SUB-13

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

3K03006-02 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3K1007	11/10/23 14:57	11/11/23 21:00	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3K1007	11/10/23 14:57	11/11/23 21:00	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3K1007	11/10/23 14:57	11/11/23 21:00	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3K1007	11/10/23 14:57	11/11/23 21:00	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3K1007	11/10/23 14:57	11/11/23 21:00	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*87.9 %*	*80-120*		*P3K1007*	*11/10/23 14:57*	*11/11/23 21:00*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*90.9 %*	*80-120*		*P3K1007*	*11/10/23 14:57*	*11/11/23 21:00*	*EPA 8021B*	
Ethane	ND	0.00100	mg/L	1	P3L0415	11/09/23 15:32	11/09/23 15:41	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P3L0415	11/09/23 15:32	11/09/23 15:41	8015M	SUB-13
Methane	**0.00570**	0.000500	mg/L	1	P3L0415	11/09/23 15:32	11/09/23 15:41	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	**20.0**	2.00	mg/L	1	P3K1409	11/14/23 11:05	11/17/23 08:47	8000	
Nitrate as N	**0.290**	0.200	mg/L	1	P3K0308	11/03/23 16:43	12/14/23 20:58	EPA 300.0	
Sulfate	**30.4**	10.0	mg/L	10	P3K0308	11/03/23 16:43	12/14/23 17:46	EPA 300.0	
Total Organic Carbon	**5.42**	1.00	mg/L	1	P3L0415	11/14/23 00:18	11/14/23 00:18	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	ND	0.200	mg/L	1	P3L0415	11/08/23 09:00	11/09/23 20:07	EPA 6020A	SUB-13
Manganese	**0.773**	0.00500	mg/L	1	P3L0415	11/08/23 09:00	11/09/23 20:07	EPA 6020A	SUB-13

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

3K03006-03 (Water)

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3K1007	11/10/23 14:57	11/11/23 21:23	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3K1007	11/10/23 14:57	11/11/23 21:23	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3K1007	11/10/23 14:57	11/11/23 21:23	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3K1007	11/10/23 14:57	11/11/23 21:23	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3K1007	11/10/23 14:57	11/11/23 21:23	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	*87.6 %*		*80-120*		*P3K1007*	*11/10/23 14:57*	*11/11/23 21:23*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene	*89.2 %*		*80-120*		*P3K1007*	*11/10/23 14:57*	*11/11/23 21:23*	*EPA 8021B*	
Ethane	ND	0.00100	mg/L	1	P3L0415	11/09/23 15:32	11/09/23 15:50	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P3L0415	11/09/23 15:32	11/09/23 15:50	8015M	SUB-13
Methane	**0.00129**	0.000500	mg/L	1	P3L0415	11/09/23 15:32	11/09/23 15:50	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	**20.0**	2.00	mg/L	1	P3K1409	11/14/23 11:05	11/17/23 08:47	8000	
Nitrate as N	**1.04**	0.200	mg/L	1	P3K0308	11/03/23 16:43	12/14/23 21:20	EPA 300.0	
Sulfate	**48.4**	10.0	mg/L	10	P3K0308	11/03/23 16:43	12/14/23 18:07	EPA 300.0	
Total Organic Carbon	**4.38**	1.00	mg/L	1	P3L0415	11/14/23 00:32	11/14/23 00:32	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	ND	0.200	mg/L	1	P3L0415	11/08/23 09:00	11/09/23 20:09	EPA 6020A	SUB-13
Manganese	**0.112**	0.00500	mg/L	1	P3L0415	11/08/23 09:00	11/09/23 20:09	EPA 6020A	SUB-13

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

3K03006-04 (Water)

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3K1007	11/10/23 14:57	11/11/23 21:47	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3K1007	11/10/23 14:57	11/11/23 21:47	EPA 8021B	
Ethylbenzene	**0.00251**	0.00100	mg/L	1	P3K1007	11/10/23 14:57	11/11/23 21:47	EPA 8021B	
Xylene (p/m)	**0.00206**	0.00200	mg/L	1	P3K1007	11/10/23 14:57	11/11/23 21:47	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3K1007	11/10/23 14:57	11/11/23 21:47	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*89.0 %*	*80-120*		*P3K1007*	*11/10/23 14:57*	*11/11/23 21:47*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*89.9 %*	*80-120*		*P3K1007*	*11/10/23 14:57*	*11/11/23 21:47*	*EPA 8021B*	
Ethane	ND	0.00100	mg/L	1	P3L0415	11/09/23 15:32	11/09/23 15:58	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P3L0415	11/09/23 15:32	11/09/23 15:58	8015M	SUB-13
Methane	**0.241**	0.00500	mg/L	1	P3L0415	11/09/23 15:32	11/09/23 16:38	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	**8.00**	2.00	mg/L	1	P3K1409	11/14/23 11:05	11/17/23 08:47	8000	
Nitrate as N	**0.998**	0.200	mg/L	1	P3K0308	11/03/23 16:43	12/14/23 21:41	EPA 300.0	
Sulfate	**50.2**	10.0	mg/L	10	P3K0308	11/03/23 16:43	12/14/23 18:29	EPA 300.0	
Total Organic Carbon	**1.66**	1.00	mg/L	1	P3L0415	11/14/23 00:45	11/14/23 00:45	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	ND	0.200	mg/L	1	P3L0415	11/08/23 09:00	11/09/23 20:11	EPA 6020A	SUB-13
Manganese	**0.202**	0.00500	mg/L	1	P3L0415	11/08/23 09:00	11/09/23 20:11	EPA 6020A	SUB-13

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

3K03006-05 (Water)

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3K1007	11/10/23 14:57	11/11/23 22:10	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3K1007	11/10/23 14:57	11/11/23 22:10	EPA 8021B	
Ethylbenzene	**0.00182**	0.00100	mg/L	1	P3K1007	11/10/23 14:57	11/11/23 22:10	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3K1007	11/10/23 14:57	11/11/23 22:10	EPA 8021B	
Xylene (o)	**0.00140**	0.00100	mg/L	1	P3K1007	11/10/23 14:57	11/11/23 22:10	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	*89.7 %*		*80-120*		*P3K1007*	*11/10/23 14:57*	*11/11/23 22:10*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene	*91.5 %*		*80-120*		*P3K1007*	*11/10/23 14:57*	*11/11/23 22:10*	*EPA 8021B*	
Ethane	ND	0.00100	mg/L	1	P3L0415	11/09/23 15:32	11/09/23 16:07	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P3L0415	11/09/23 15:32	11/09/23 16:07	8015M	SUB-13
Methane	**0.191**	0.00500	mg/L	1	P3L0415	11/09/23 15:32	11/09/23 19:49	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	**66.0**	2.00	mg/L	1	P3K1409	11/14/23 11:05	11/17/23 08:47	8000	
Nitrate as N	**0.238**	0.200	mg/L	1	P3K0308	11/03/23 16:43	12/14/23 22:02	EPA 300.0	
Sulfate	**20.8**	10.0	mg/L	10	P3K0308	11/03/23 16:43	12/14/23 18:50	EPA 300.0	
Total Organic Carbon	ND	1.00	mg/L	1	P3L0415	11/14/23 00:58	11/14/23 00:58	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	**0.361**	0.200	mg/L	1	P3L0415	11/08/23 09:00	11/09/23 20:13	EPA 6020A	SUB-13
Manganese	**1.35**	0.00500	mg/L	1	P3L0415	11/08/23 09:00	11/09/23 20:13	EPA 6020A	SUB-13

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

3K03006-06 (Water)

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
Organics by GC									
Benzene	**0.00136**	0.00100	mg/L	1	P3K1007	11/10/23 14:57	11/11/23 22:33	EPA 8021B	
Toluene	**0.00135**	0.00100	mg/L	1	P3K1007	11/10/23 14:57	11/11/23 22:33	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3K1007	11/10/23 14:57	11/11/23 22:33	EPA 8021B	
Xylene (p/m)	**0.0167**	0.00200	mg/L	1	P3K1007	11/10/23 14:57	11/11/23 22:33	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3K1007	11/10/23 14:57	11/11/23 22:33	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*80.8 %*	*80-120*		*P3K1007*	*11/10/23 14:57*	*11/11/23 22:33*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*86.0 %*	*80-120*		*P3K1007*	*11/10/23 14:57*	*11/11/23 22:33*	*EPA 8021B*	
Ethane	ND	0.0500	mg/L	1	P3L0415	11/09/23 15:32	11/09/23 17:00	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P3L0415	11/09/23 15:32	11/09/23 16:26	8015M	SUB-13
Methane	**0.979**	0.0250	mg/L	1	P3L0415	11/09/23 15:32	11/09/23 17:00	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	**86.0**	2.00	mg/L	1	P3K1409	11/14/23 11:05	11/17/23 08:47	8000	
Nitrate as N	**0.206**	0.200	mg/L	1	P3K0308	11/03/23 16:43	12/14/23 22:24	EPA 300.0	
Sulfate	**2.08**	1.00	mg/L	1	P3K0308	11/03/23 16:43	12/14/23 22:24	EPA 300.0	
Total Organic Carbon	**979**	1.00	mg/L	1	P3L0415	11/14/23 01:38	11/14/23 01:38	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	**2.58**	0.200	mg/L	1	P3L0415	11/08/23 09:00	11/09/23 20:15	EPA 6020A	SUB-13
Manganese	**1.05**	0.00500	mg/L	1	P3L0415	11/08/23 09:00	11/09/23 20:15	EPA 6020A	SUB-13

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 P3K1007 - * DEFAULT PREP *** **										
Blank (P3K1007-BLK1)				Prepared: 11/10/23 Analyzed: 11/11/23						
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	*0.102*		"	*0.120*		*84.7*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.109*		"	*0.120*		*90.6*	*80-120*			
LCS (P3K1007-BS1)				Prepared: 11/10/23 Analyzed: 11/11/23						
Benzene	0.0992	0.00100	mg/L	0.100		99.2	80-120			
Toluene	0.0958	0.00100	"	0.100		95.8	80-120			
Ethylbenzene	0.0891	0.00100	"	0.100		89.1	80-120			
Xylene (p/m)	0.175	0.00200	"	0.200		87.3	80-120			
Xylene (o)	0.0817	0.00100	"	0.100		81.7	80-120			
Surrogate: 4-Bromofluorobenzene	*0.105*		"	*0.120*		*87.5*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.112*		"	*0.120*		*93.0*	*80-120*			
LCS Dup (P3K1007-BSD1)				Prepared: 11/10/23 Analyzed: 11/11/23						
Benzene	0.0969	0.00100	mg/L	0.100		96.9	80-120	2.36	20	
Toluene	0.0962	0.00100	"	0.100		96.2	80-120	0.365	20	
Ethylbenzene	0.0874	0.00100	"	0.100		87.4	80-120	1.94	20	
Xylene (p/m)	0.173	0.00200	"	0.200		86.3	80-120	1.15	20	
Xylene (o)	0.0800	0.00100	"	0.100		80.0	80-120	2.04	20	
Surrogate: 4-Bromofluorobenzene	*0.104*		"	*0.120*		*87.0*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.112*		"	*0.120*		*93.2*	*80-120*			
Calibration Blank (P3K1007-CCB1)				Prepared: 11/10/23 Analyzed: 11/11/23						
Benzene	0.0900		ug/l							
Toluene	0.120		"							
Ethylbenzene	0.150		"							
Xylene (p/m)	0.190		"							
Xylene (o)	0.260		"							
Surrogate: 4-Bromofluorobenzene	*0.103*		"	*0.120*		*86.1*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.108*		"	*0.120*		*90.4*	*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 P3K1007 - * DEFAULT PREP *** **										
Calibration Blank (P3K1007-CCB2)				Prepared: 11/10/23 Analyzed: 11/12/23						
Benzene	0.110		ug/l							
Toluene	0.160		"							
Ethylbenzene	0.140		"							
Xylene (p/m)	0.180		"							
Xylene (o)	0.190		"							
Surrogate: 4-Bromofluorobenzene	*0.102*		*"*	*0.120*		*84.7*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.109*		*"*	*0.120*		*90.5*	*80-120*			
Calibration Check (P3K1007-CCV1)				Prepared: 11/10/23 Analyzed: 11/11/23						
Benzene	0.101	0.00100	mg/L	0.100		101	80-120			
Toluene	0.0967	0.00100	"	0.100		96.7	80-120			
Ethylbenzene	0.0851	0.00100	"	0.100		85.1	80-120			
Xylene (p/m)	0.176	0.00200	"	0.200		88.0	80-120			
Xylene (o)	0.0836	0.00100	"	0.100		83.6	80-120			
Surrogate: 4-Bromofluorobenzene	*0.105*		*"*	*0.120*		*87.7*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.111*		*"*	*0.120*		*92.7*	*80-120*			
Calibration Check (P3K1007-CCV2)				Prepared: 11/10/23 Analyzed: 11/12/23						
Benzene	0.105	0.00100	mg/L	0.100		105	80-120			
Toluene	0.103	0.00100	"	0.100		103	80-120			
Ethylbenzene	0.0922	0.00100	"	0.100		92.2	80-120			
Xylene (p/m)	0.187	0.00200	"	0.200		93.4	80-120			
Xylene (o)	0.0881	0.00100	"	0.100		88.1	80-120			
Surrogate: 4-Bromofluorobenzene	*0.105*		*"*	*0.120*		*87.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.111*		*"*	*0.120*		*92.6*	*80-120*			
Calibration Check (P3K1007-CCV3)				Prepared: 11/10/23 Analyzed: 11/12/23						
Benzene	0.104	0.00100	mg/L	0.100		104	80-120			
Toluene	0.101	0.00100	"	0.100		101	80-120			
Ethylbenzene	0.0935	0.00100	"	0.100		93.5	80-120			
Xylene (p/m)	0.189	0.00200	"	0.200		94.6	80-120			
Xylene (o)	0.0883	0.00100	"	0.100		88.3	80-120			
Surrogate: 4-Bromofluorobenzene	*0.0985*		*"*	*0.120*		*82.1*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.107*		*"*	*0.120*		*88.8*	*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 P3K1007 - * DEFAULT PREP *** **										
Matrix Spike (P3K1007-MS1)	**Source: 3K03005-01**			Prepared: 11/10/23 Analyzed: 11/12/23						
Benzene	0.0838	0.00100	mg/L	0.100	ND	83.8	80-120			
Toluene	0.0805	0.00100	"	0.100	ND	80.5	80-120			
Ethylbenzene	0.0756	0.00100	"	0.100	ND	75.6	80-120			QM-05
Xylene (p/m)	0.148	0.00200	"	0.200	ND	74.2	80-120			QM-05
Xylene (o)	0.0685	0.00100	"	0.100	ND	68.5	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	*0.0988*		"	*0.120*		*82.4*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.108*		"	*0.120*		*89.8*	*80-120*			
Matrix Spike Dup (P3K1007-MSD1)	**Source: 3K03005-01**			Prepared: 11/10/23 Analyzed: 11/12/23						
Benzene	0.0992	0.00100	mg/L	0.100	ND	99.2	80-120	16.8	20	
Toluene	0.0986	0.00100	"	0.100	ND	98.6	80-120	20.3	20	QM-05
Ethylbenzene	0.0921	0.00100	"	0.100	ND	92.1	80-120	19.7	20	
Xylene (p/m)	0.178	0.00200	"	0.200	ND	88.9	80-120	18.0	20	
Xylene (o)	0.0829	0.00100	"	0.100	ND	82.9	80-120	19.1	20	
Surrogate: 4-Bromofluorobenzene	*0.0997*		"	*0.120*		*83.1*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.108*		"	*0.120*		*90.1*	*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

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 P3K0308 - * DEFAULT PREP *** **										
Blank (P3K0308-BLK1)				Prepared: 11/03/23 Analyzed: 12/14/23						
Nitrate as N	ND	0.200	mg/L							
Sulfate	ND	1.00	"							
LCS (P3K0308-BS1)				Prepared: 11/03/23 Analyzed: 12/14/23						
Sulfate	10.1		mg/L	10.0		101	90-110			
Nitrate as N	10.4		"	10.0		104	90-110			
LCS Dup (P3K0308-BSD1)				Prepared: 11/03/23 Analyzed: 12/14/23						
Nitrate as N	10.4		mg/L	10.0		104	90-110	0.106	10	
Sulfate	10.3		"	10.0		103	90-110	1.96	10	
Calibration Check (P3K0308-CCV1)				Prepared: 11/03/23 Analyzed: 12/14/23						
Nitrate as N	10.5		mg/L	10.0		105	90-110			
Sulfate	10.5		"	10.0		105	90-110			
Matrix Spike (P3K0308-MS1)	**Source: 3K03006-01**			Prepared: 11/03/23 Analyzed: 12/14/23						
Sulfate	17.1		mg/L	10.0	7.74	93.1	80-120			
Nitrate as N	130	2.00	"		2.53		80-120			
Matrix Spike Dup (P3K0308-MSD1)	**Source: 3K03006-01**			Prepared: 11/03/23 Analyzed: 12/14/23						
Sulfate	17.5		mg/L	10.0	7.74	97.7	80-120	2.68	20	
Nitrate as N	131	2.00	"		2.53		80-120	1.22	20	
Batch P3K1409 - * DEFAULT PREP *** **										
Blank (P3K1409-BLK1)				Prepared: 11/14/23 Analyzed: 11/17/23						
Chemical Oxygen Demand	ND	2.00	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 P3K1409 - * DEFAULT PREP *** **										
LCS (P3K1409-BS1)				Prepared: 11/14/23 Analyzed: 11/17/23						
Chemical Oxygen Demand	113	2.00	mg/L	100		113	80-120			
LCS Dup (P3K1409-BSD1)				Prepared: 11/14/23 Analyzed: 11/17/23						
Chemical Oxygen Demand	118	2.00	mg/L	100		118	80-120	4.33	20	
Duplicate (P3K1409-DUP1)		**Source: 3K02001-01**		Prepared: 11/14/23 Analyzed: 11/17/23						
Chemical Oxygen Demand	29.0	2.00	mg/L		25.0			14.8	20	
Duplicate (P3K1409-DUP2)		**Source: 3K14010-02**		Prepared: 11/14/23 Analyzed: 11/17/23						
Chemical Oxygen Demand	10.0	2.00	mg/L		14.0			33.3	20	R3
Matrix Spike (P3K1409-MS1)		**Source: 3K02001-01**		Prepared: 11/14/23 Analyzed: 11/17/23						
Chemical Oxygen Demand	139	2.00	mg/L	100	25.0	114	80-120			
Matrix Spike (P3K1409-MS2)		**Source: 3K14010-02**		Prepared: 11/14/23 Analyzed: 11/17/23						
Chemical Oxygen Demand	110	2.00	mg/L	100	14.0	96.0	80-120			
Matrix Spike Dup (P3K1409-MSD1)		**Source: 3K02001-01**		Prepared: 11/14/23 Analyzed: 11/17/23						
Chemical Oxygen Demand	139	2.00	mg/L	100	25.0	114	80-120	0.00	20	
Matrix Spike Dup (P3K1409-MSD2)		**Source: 3K14010-02**		Prepared: 11/14/23 Analyzed: 11/17/23						
Chemical Oxygen Demand	140	2.00	mg/L	100	14.0	126	80-120	24.0	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

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.
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: 12/19/2023

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
1400 Rankin Hwy
Midland, Texas 79701

Phone: 432-686-7235

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:

e-mail: cdstanley@trccompanies.com, cjbryant@paalp.com, khudgens@paalp.com, mgreen@trccompanies.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 #: 3K03006

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 (Field Filtered - 250 ml)	HCl - (40 ml VOA)	H_2SO_4 (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: TOC MW 5310	Dissolved Methane, Ethane, and Ethene by RSK-175	Total Dissolved Metals (Fe and Mn) by SW 6010	Nitrate and Sulfate bvy E300	COD by SM 5310	Total BTEX by 8260	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	MW-4				958		9	X	1	6	2					GW		X	X	X	X	X	X		X
2	MW-6				1100		9	X	1	6	2					GW		X	X	X	X	X	X		X
3	MW-7				1210		9	X	1	6	2					GW		X	X	X	X	X	X		X
4	MW-2				1335		9	X	1	6	2					GW		X	X	X	X	X	X		X
5	MW-1				1440		9	X	1	6	2					GW		X	X	X	X	X	X		X
6	MW-3A				1545		9	X	1	6	2					GW		X	X	X	X	X	X		X

Special Instructions:
BILL TO PLAINS

Relinquished by:	Date	Time	Received by:	Date	Time
Manny	11-3-23	850			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL: Nina Bledsoe	11/3/23	8:50

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. ?		N
by Courier? UPS DHL FedEx Lone Star		

Temperature Upon Receipt:
Received: 4.0 °C
Adjusted: °C Factor NCF 1.3

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
Fax No:
Sampler Signature: N/A
e-mail: brentbarron@pbelab.com

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

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	$Na_2S_2O_3$	VOA AMBER UNPRESERVED	NONE	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: Mn, Fe Dissolved ICP-MS 6020A	RSK SOP-175	TOC-415.1	8270C PAH LL	24 HOUR RUSH	STANDARD
	3K03006-01			11/2/2023	9:58	Y	5	X	X	X	X					W	X	X	X		X
	3K03066-02			11/2/2023	11:00	Y	5	X	X	X	X					W	X	X	X		X
	3K03066-03			11/2/2023	12:10	Y	5	X	X	X	X					W	X	X	X		X
	3K03066-04			11/2/2023	13:35	Y	5	X	X	X	X					W	X	X	X		X
	3K03066-05			11/2/2023	14:40	Y	5	X	X	X	X					W	X	X	X		X
	3K03033-06			11/2/2023	15:45	Y	5	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

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

November 14, 2023

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

Work Order: **HS23110435**

Laboratory Results for: **3K03006**

Dear Brent Barron,

ALS Environmental received 6 sample(s) on Nov 07, 2023 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: 14-Nov-23

Client: Permian Basin Environmental Lab, LP
Project: 3K03006
Work Order: HS23110435

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23110435-01	3K03006-01	Water		02-Nov-2023 09:58	07-Nov-2023 09:40	☐
HS23110435-02	3K03006-02	Water		02-Nov-2023 11:00	07-Nov-2023 09:40	☐
HS23110435-03	3K03006-03	Water		02-Nov-2023 12:10	07-Nov-2023 09:40	☐
HS23110435-04	3K03006-04	Water		02-Nov-2023 13:35	07-Nov-2023 09:40	☐
HS23110435-05	3K03006-05	Water		02-Nov-2023 14:40	07-Nov-2023 09:40	☐
HS23110435-06	3K03006-06	Water		02-Nov-2023 15:45	07-Nov-2023 09:40	☐

ALS Houston, US Date: 14-Nov-23

Client: Permian Basin Environmental Lab, LP **CASE NARRATIVE**
Project: 3K03006
Work Order: HS23110435

Work Order Comments

• Login Notes:
TOC bottle for sample 3K03033-06 pH is 7 added 0.5ml of H2so4 LOT#3100606423 on 11/7/23 at 1355 ph is 2 after.

GC Semivolatiles by Method RSK-175

Batch ID: R451467

Sample ID: HS23110412-03MS

• MS and MSD are for an unrelated sample

Metals by Method SW6020A

Batch ID: 203179

Sample ID: HS23110289-04MSD

• MSD is for an unrelated sample (Manganese)

Sample ID: HS23110289-04PDS

• PDS is for an unrelated sample (Manganese)

WetChemistry by Method E415.1

Batch ID: R451753

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

ALS Houston, US Date: 14-Nov-23

Client: Permian Basin Environmental Lab, LP
Project: 3K03006
Sample ID: 3K03006-01
Collection Date: 02-Nov-2023 09:58

ANALYTICAL REPORT
WorkOrder:HS23110435
Lab ID:HS23110435-01
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		**Method:RSK-175**				Analyst: E.H.
Ethane	ND		1.00	ug/L	1	09-Nov-2023 15:32
Ethene	ND		1.00	ug/L	1	09-Nov-2023 15:32
Methane	**1.13**		**0.500**	**ug/L**	1	09-Nov-2023 15:32
DISSOLVED METALS BY SW6020A		**Method:SW6020A (dissolved)**		Prep:SW3010A / 08-Nov-2023		Analyst: MSC
Iron	ND		0.200	mg/L	1	09-Nov-2023 20:05
Manganese	**0.332**		**0.00500**	**mg/L**	1	09-Nov-2023 20:05
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: JAC
Organic Carbon, Total	**3.80**		**1.00**	**mg/L**	1	13-Nov-2023 23:50

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

ALS Houston, US Date: 14-Nov-23

Client: Permian Basin Environmental Lab, LP
Project: 3K03006
Sample ID: 3K03006-02
Collection Date: 02-Nov-2023 11:00

ANALYTICAL REPORT
WorkOrder:HS23110435
Lab ID:HS23110435-02
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		**Method:RSK-175**				Analyst: E.H.
Ethane	ND		1.00	ug/L	1	09-Nov-2023 15:41
Ethene	ND		1.00	ug/L	1	09-Nov-2023 15:41
Methane	**5.70**		**0.500**	**ug/L**	1	09-Nov-2023 15:41
DISSOLVED METALS BY SW6020A		**Method:SW6020A (dissolved)**		Prep:SW3010A / 08-Nov-2023		Analyst: MSC
Iron	ND		0.200	mg/L	1	09-Nov-2023 20:07
Manganese	**0.773**		**0.00500**	**mg/L**	1	09-Nov-2023 20:07
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: JAC
Organic Carbon, Total	**5.42**		**1.00**	**mg/L**	1	14-Nov-2023 00:18

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

ALS Houston, US Date: 14-Nov-23

Client: Permian Basin Environmental Lab, LP
Project: 3K03006
Sample ID: 3K03006-03
Collection Date: 02-Nov-2023 12:10

ANALYTICAL REPORT
WorkOrder:HS23110435
Lab ID:HS23110435-03
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		**Method:RSK-175**				Analyst: E.H.
Ethane	ND		1.00	ug/L	1	09-Nov-2023 15:50
Ethene	ND		1.00	ug/L	1	09-Nov-2023 15:50
Methane	**1.26**		**0.500**	**ug/L**	1	09-Nov-2023 15:50
DISSOLVED METALS BY SW6020A		**Method:SW6020A (dissolved)**		Prep:SW3010A / 08-Nov-2023		Analyst: MSC
Iron	ND		0.200	mg/L	1	09-Nov-2023 20:09
Manganese	**0.112**		**0.00500**	**mg/L**	1	09-Nov-2023 20:09
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: JAC
Organic Carbon, Total	**4.38**		**1.00**	**mg/L**	1	14-Nov-2023 00:32

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

ALS Houston, US Date: 14-Nov-23

Client: Permian Basin Environmental Lab, LP
Project: 3K03006
Sample ID: 3K03006-04
Collection Date: 02-Nov-2023 13:35

ANALYTICAL REPORT
WorkOrder:HS23110435
Lab ID:HS23110435-04
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		**Method:RSK-175**				Analyst: E.H.
Ethane	ND		1.00	ug/L	1	09-Nov-2023 15:58
Ethene	ND		1.00	ug/L	1	09-Nov-2023 15:58
Methane	**241**		**5.00**	**ug/L**	10	09-Nov-2023 16:38
DISSOLVED METALS BY SW6020A		**Method:SW6020A (dissolved)**		Prep:SW3010A / 08-Nov-2023		Analyst: MSC
Iron	ND		0.200	mg/L	1	09-Nov-2023 20:11
Manganese	**0.202**		**0.00500**	**mg/L**	1	09-Nov-2023 20:11
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: JAC
Organic Carbon, Total	**1.66**		**1.00**	**mg/L**	1	14-Nov-2023 00:45

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

ALS Houston, US Date: 14-Nov-23

Client: Permian Basin Environmental Lab, LP
Project: 3K03006
Sample ID: 3K03006-05
Collection Date: 02-Nov-2023 14:40

ANALYTICAL REPORT
WorkOrder:HS23110435
Lab ID:HS23110435-05
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		**Method:RSK-175**				Analyst: E.H.
Ethane	ND		1.00	ug/L	1	09-Nov-2023 16:07
Ethene	ND		1.00	ug/L	1	09-Nov-2023 16:07
Methane	**191**		**5.00**	**ug/L**	10	09-Nov-2023 16:49
DISSOLVED METALS BY SW6020A		**Method:SW6020A (dissolved)**		Prep:SW3010A / 08-Nov-2023		Analyst: MSC
Iron	**0.361**		**0.200**	**mg/L**	1	09-Nov-2023 20:13
Manganese	**1.35**		**0.00500**	**mg/L**	1	09-Nov-2023 20:13
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: JAC
Organic Carbon, Total	ND		10.0	mg/L	10	14-Nov-2023 00:58

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

ALS Houston, US Date: 14-Nov-23

Client: Permian Basin Environmental Lab, LP
Project: 3K03006
Sample ID: 3K03006-06
Collection Date: 02-Nov-2023 15:45

ANALYTICAL REPORT
WorkOrder:HS23110435
Lab ID:HS23110435-06
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		**Method:RSK-175**				Analyst: E.H.
Ethane	ND		50.0	ug/L	50	09-Nov-2023 17:00
Ethene	ND		1.00	ug/L	1	09-Nov-2023 16:26
Methane	**979**		**25.0**	**ug/L**	50	09-Nov-2023 17:00
DISSOLVED METALS BY SW6020A		**Method:SW6020A (dissolved)**		Prep:SW3010A / 08-Nov-2023		Analyst: MSC
Iron	**2.58**		**0.200**	**mg/L**	1	09-Nov-2023 20:15
Manganese	**1.05**		**0.00500**	**mg/L**	1	09-Nov-2023 20:15
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: JAC
Organic Carbon, Total	ND		10.0	mg/L	10	14-Nov-2023 01:38

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

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: 3K03006
WorkOrder: HS23110435

Batch ID: 203179 **Start Date:** 08 Nov 2023 09:00 **End Date:** 08 Nov 2023 09:00
Method: DISS METALS PREP - WATER - SW3010A **Prep Code:** 3010A DISS

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23110435-01		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS23110435-02		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS23110435-03		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS23110435-04		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS23110435-05		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS23110435-06		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2

ALS Houston, US Date: 14-Nov-23

Client: Permian Basin Environmental Lab, LP
Project: 3K03006
WorkOrder: HS23110435

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 203179 (0)	**Test Name :** DISSOLVED METALS BY SW6020A				**Matrix:** Water	
HS23110435-01	3K03006-01	02 Nov 2023 09:58		08 Nov 2023 09:00	09 Nov 2023 20:05	1
HS23110435-02	3K03006-02	02 Nov 2023 11:00		08 Nov 2023 09:00	09 Nov 2023 20:07	1
HS23110435-03	3K03006-03	02 Nov 2023 12:10		08 Nov 2023 09:00	09 Nov 2023 20:09	1
HS23110435-04	3K03006-04	02 Nov 2023 13:35		08 Nov 2023 09:00	09 Nov 2023 20:11	1
HS23110435-05	3K03006-05	02 Nov 2023 14:40		08 Nov 2023 09:00	09 Nov 2023 20:13	1
HS23110435-06	3K03006-06	02 Nov 2023 15:45		08 Nov 2023 09:00	09 Nov 2023 20:15	1
Batch ID: R451467 (1)	**Test Name :** DISSOLVED GASES BY RSK-175				**Matrix:** Water	
HS23110435-01	3K03006-01	02 Nov 2023 09:58			09 Nov 2023 15:32	1
HS23110435-02	3K03006-02	02 Nov 2023 11:00			09 Nov 2023 15:41	1
HS23110435-03	3K03006-03	02 Nov 2023 12:10			09 Nov 2023 15:50	1
HS23110435-04	3K03006-04	02 Nov 2023 13:35			09 Nov 2023 16:38	10
HS23110435-04	3K03006-04	02 Nov 2023 13:35			09 Nov 2023 15:58	1
HS23110435-05	3K03006-05	02 Nov 2023 14:40			09 Nov 2023 16:49	10
HS23110435-05	3K03006-05	02 Nov 2023 14:40			09 Nov 2023 16:07	1
HS23110435-06	3K03006-06	02 Nov 2023 15:45			09 Nov 2023 17:00	50
HS23110435-06	3K03006-06	02 Nov 2023 15:45			09 Nov 2023 16:26	1
Batch ID: R451753 (0)	**Test Name :** TOTAL ORGANIC CARBON BY E415.1				**Matrix:** Water	
HS23110435-01	3K03006-01	02 Nov 2023 09:58			13 Nov 2023 23:50	1
HS23110435-02	3K03006-02	02 Nov 2023 11:00			14 Nov 2023 00:18	1
HS23110435-03	3K03006-03	02 Nov 2023 12:10			14 Nov 2023 00:32	1
HS23110435-04	3K03006-04	02 Nov 2023 13:35			14 Nov 2023 00:45	1
HS23110435-05	3K03006-05	02 Nov 2023 14:40			14 Nov 2023 00:58	10
HS23110435-06	3K03006-06	02 Nov 2023 15:45			14 Nov 2023 01:38	10

ALS Houston, US Date: 14-Nov-23

Client: Permian Basin Environmental Lab, LP
Project: 3K03006
WorkOrder: HS23110435

QC BATCH REPORT

Batch ID: R451467 (1) **Instrument: FID-4** **Method: DISSOLVED GASES BY RSK-175**

MBLK Sample ID: **MBLK-231109** Units: **ug/L** Analysis Date: **09-Nov-2023 07:51**
Client ID: Run ID: **FID-4_451467** SeqNo: **7665969** 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-231109** Units: **ug/L** Analysis Date: **09-Nov-2023 08:05**
Client ID: Run ID: **FID-4_451467** SeqNo: **7665970** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ethane	19.02	1.00	18.04	0	105	75 - 125				
Ethene	15.04	1.00	16.8	0	89.5	75 - 125				
Methane	7.583	0.500	9.647	0	78.6	75 - 125				

LCSD Sample ID: **LCSD-231109** Units: **ug/L** Analysis Date: **09-Nov-2023 08:18**
Client ID: Run ID: **FID-4_451467** SeqNo: **7665971** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ethane	20.17	1.00	18.04	0	112	75 - 125	19.02	5.83	30	
Ethene	15.26	1.00	16.8	0	90.8	75 - 125	15.04	1.47	30	
Methane	8.316	0.500	9.647	0	86.2	75 - 125	7.583	9.23	30	

MS Sample ID: **HS23110412-03MS** Units: **ug/L** Analysis Date: **09-Nov-2023 09:41**
Client ID: Run ID: **FID-4_451467** SeqNo: **7665973** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ethane	19.93	1.00	18.04	0.9493	105	75 - 125				
Ethene	17.13	1.00	16.8	0	102	75 - 125				
Methane	7.742	0.500	9.647	0.5559	74.5	75 - 125				S

ALS Houston, US Date: 14-Nov-23

Client: Permian Basin Environmental Lab, LP
Project: 3K03006
WorkOrder: HS23110435

QC BATCH REPORT

Batch ID: R451467 (1) **Instrument:** FID-4 **Method:** DISSOLVED GASES BY RSK-175

MSD Sample ID: **HS23110412-03MSD** Units: **ug/L** Analysis Date: **09-Nov-2023 10:05**
Client ID: Run ID: **FID-4_451467** SeqNo: **7665974** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ethane	21.33	1.00	18.04	0.9493	113	75 - 125	19.93	6.82	30	
Ethene	19.04	1.00	16.8	0	113	75 - 125	17.13	10.5	30	
Methane	8.866	0.500	9.647	0.5559	86.1	75 - 125	7.742	13.5	30	

The following samples were analyzed in this batch: HS23110435-01 HS23110435-02 HS23110435-03 HS23110435-04 HS23110435-05 HS23110435-06

ALS Houston, US Date: 14-Nov-23

Client: Permian Basin Environmental Lab, LP
Project: 3K03006
WorkOrder: HS23110435

QC BATCH REPORT

Batch ID: 203179 (0) **Instrument: ICPMS06** **Method: DISSOLVED METALS BY SW6020A (DISSOLVED)**

MBLK Sample ID: **MBLK-203179** Units: **mg/L** Analysis Date: **09-Nov-2023 19:39**
Client ID: Run ID: **ICPMS06_451362** SeqNo: **7665721** PrepDate: **08-Nov-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Iron	ND	0.200								
Manganese	ND	0.00500								

LCS Sample ID: **LCS-203179** Units: **mg/L** Analysis Date: **09-Nov-2023 19:41**
Client ID: Run ID: **ICPMS06_451362** SeqNo: **7665722** PrepDate: **08-Nov-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Iron	4.424	0.200	5	0	88.5	80 - 120				
Manganese	0.04526	0.00500	0.05	0	90.5	80 - 120				

MS Sample ID: **HS23110289-04MS** Units: **mg/L** Analysis Date: **09-Nov-2023 19:52**
Client ID: Run ID: **ICPMS06_451362** SeqNo: **7665728** PrepDate: **08-Nov-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Iron	16.65	0.200	5	11.42	105	75 - 125				
Manganese	0.6594	0.00500	0.05	0.613	92.8	75 - 125				O

MSD Sample ID: **HS23110289-04MSD** Units: **mg/L** Analysis Date: **09-Nov-2023 19:54**
Client ID: Run ID: **ICPMS06_451362** SeqNo: **7665729** PrepDate: **08-Nov-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Iron	15.54	0.200	5	11.42	82.4	75 - 125	16.65	6.9	20	
Manganese	0.6362	0.00500	0.05	0.613	46.3	75 - 125	0.6594	3.59	20	SO

PDS Sample ID: **HS23110289-04PDS** Units: **mg/L** Analysis Date: **09-Nov-2023 19:56**
Client ID: Run ID: **ICPMS06_451362** SeqNo: **7665730** PrepDate: **08-Nov-2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Iron	20.91	0.200	10	11.42	94.9	75 - 125				
Manganese	0.6733	0.00500	0.1	0.613	60.3	75 - 125				SO

ALS Houston, US Date: 14-Nov-23

Client: Permian Basin Environmental Lab, LP
Project: 3K03006
WorkOrder: HS23110435

QC BATCH REPORT

Batch ID: 203179 (0) **Instrument:** ICPMS06 **Method:** DISSOLVED METALS BY SW6020A (DISSOLVED)

SD Sample ID: **HS23110289-04SD** Units: **mg/L** Analysis Date: **09-Nov-2023 19:50**
Client ID: Run ID: **ICPMS06_451362** SeqNo: **7665727** PrepDate: **08-Nov-2023** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Iron	11.81	1.00					11.42	3.43	10	
Manganese	0.6378	0.0250					0.613	4.04	10	

The following samples were analyzed in this batch: HS23110435-01 HS23110435-02 HS23110435-03 HS23110435-04 HS23110435-05 HS23110435-06

ALS Houston, US Date: 14-Nov-23

Client: Permian Basin Environmental Lab, LP
Project: 3K03006
WorkOrder: HS23110435

QC BATCH REPORT

Batch ID: R451753 (0) **Instrument: TOC_05** **Method: TOTAL ORGANIC CARBON BY E415.1**

MBLK Sample ID: **MBLK-11132023** Units: **mg/L** Analysis Date: **13-Nov-2023 23:07**
Client ID: Run ID: **TOC_05_451753** SeqNo: **7673152** 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-11132023** Units: **mg/L** Analysis Date: **13-Nov-2023 23:21**
Client ID: Run ID: **TOC_05_451753** SeqNo: **7673153** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	9.717	1.00	10	0	97.2	85 - 115				

LCSD Sample ID: **LCSD-11132023** Units: **mg/L** Analysis Date: **13-Nov-2023 23:36**
Client ID: Run ID: **TOC_05_451753** SeqNo: **7673154** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	9.788	1.00	10	0	97.9	85 - 115	9.717	0.728	20	

MS Sample ID: **HS23110435-01MS** Units: **mg/L** Analysis Date: **14-Nov-2023 00:04**
Client ID: **3K03006-01** Run ID: **TOC_05_451753** SeqNo: **7673156** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	13.65	1.00	10	3.804	98.5	80 - 120				

The following samples were analyzed in this batch: HS23110435-01 HS23110435-02 HS23110435-03 HS23110435-04 HS23110435-05 HS23110435-06

ALS Houston, US Date: 14-Nov-23

Client: Permian Basin Environmental Lab, LP
Project: 3K03006
WorkOrder: **HS23110435**

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: 14-Nov-23

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L23-358	31-May-2025
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Louisiana	03087 2023-2024	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624-2023	31-Dec-2023
North Dakota	R-193 2023-2024	30-Apr-2024
Oklahoma	2023-140	31-Aug-2024
Texas	T104704231-23-31	30-Apr-2024
Utah	TX026932023-14	31-Jul-2024

ALS Houston, US Date: 14-Nov-23

Sample Receipt Checklist

Work Order ID: HS23110435 **Date/Time Received:** 07-Nov-2023 09:40

Client Name: Permian Basin Lab **Received by:** Corey Grandits

Completed By: /S/ Belinda Gomez (eSignature) 07-Nov-2023 13:18 (Date/Time) **Reviewed by:** /S/ Anna Kinchen (eSignature) 09-Nov-2023 09:30 (Date/Time)

Matrices: w Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:be
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):	3.9uc/3.8c	ir31	
Cooler(s)/Kit(s):	med red		
Date/Time sample(s) sent to storage:	11/7/23 1318		
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:	Belinda Gomez		

Login Notes: TOC bottle for sample 3K03033-06 pH is 7 added 0.5ml of H2so4 LOT#3100606423 on 11/7/23 at 1355 ph is 2 after.

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

HS23110435
Permian Basin Environmental Lab, LP
3K03006

Project Name: SUBCONTRACT
Project #:
Project Loc:
PO #:
Report Format: X Standard ☐ TRRP ☐ NPDES
e-mail: brentbarron@pbelab.com

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	$Na_2S_2O_3$	VOA AMBER UNPRESERVED	NONE	Matrix: DW=Drinking Water SL=Sludge / GW = Groundwater S=Soil/Solid / NP=Non-Potable Specify Other	Analyze For: Mn, Fe Dissolved ICP-MS 6020A	RSK SOP-175	TOC-415.1	8270C PAH LL	24 HOUR RUSH	STANDARD
	3K03006-01			11/2/2023	9:58	Y	5	X	X	X	X					W	X	X	X		X
	3K03066-02			11/2/2023	11:00	Y	5	X	X	X	X					W	X	X	X		X
	3K03066-03			11/2/2023	12:10	Y	5	X	X	X	X					W	X	X	X		X
	3K03066-04			11/2/2023	13:35	Y	5	X	X	X	X					W	X	X	X		X
	3K03066-05			11/2/2023	14:40	Y	5	X	X	X	X					W	X	X	X		X
	3K03033-06			11/2/2023	15:45	Y	5	X	X	X	X					W	X	X	X		X

SPECIAL INSTRUCTIONS:

Relinquished by: Brent Barron	Date 11/06/23	Time 1600	Received by:	Date 11-7-23	Time 0946
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: 3.9 °C
Adjusted: °C Factor
1(24)

After printing this label:
CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH
1. Fold the printed page along the horizontal line.
2. Place label in shipping pouch and affix it to your shipment.

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 Service Guide. 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: 3K03005

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 11/14/23

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	3K03005-01	Water	11/02/23 09:20	11-03-2023 08:50

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

3K03005-01 (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	P3K1007	11/10/23 14:57	11/11/23 20:14	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3K1007	11/10/23 14:57	11/11/23 20:14	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3K1007	11/10/23 14:57	11/11/23 20:14	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3K1007	11/10/23 14:57	11/11/23 20:14	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3K1007	11/10/23 14:57	11/11/23 20:14	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*88.5 %*	*80-120*		*P3K1007*	*11/10/23 14:57*	*11/11/23 20:14*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*90.5 %*	*80-120*		*P3K1007*	*11/10/23 14:57*	*11/11/23 20:14*	*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 P3K1007 - * DEFAULT PREP *** **										
Blank (P3K1007-BLK1)				Prepared: 11/10/23 Analyzed: 11/11/23						
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	*0.102*		"	*0.120*		*84.7*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.109*		"	*0.120*		*90.6*	*80-120*			
LCS (P3K1007-BS1)				Prepared: 11/10/23 Analyzed: 11/11/23						
Benzene	0.0992	0.00100	mg/L	0.100		99.2	80-120			
Toluene	0.0958	0.00100	"	0.100		95.8	80-120			
Ethylbenzene	0.0891	0.00100	"	0.100		89.1	80-120			
Xylene (p/m)	0.175	0.00200	"	0.200		87.3	80-120			
Xylene (o)	0.0817	0.00100	"	0.100		81.7	80-120			
Surrogate: 4-Bromofluorobenzene	*0.105*		"	*0.120*		*87.5*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.112*		"	*0.120*		*93.0*	*80-120*			
LCS Dup (P3K1007-BSD1)				Prepared: 11/10/23 Analyzed: 11/11/23						
Benzene	0.0969	0.00100	mg/L	0.100		96.9	80-120	2.36	20	
Toluene	0.0962	0.00100	"	0.100		96.2	80-120	0.365	20	
Ethylbenzene	0.0874	0.00100	"	0.100		87.4	80-120	1.94	20	
Xylene (p/m)	0.173	0.00200	"	0.200		86.3	80-120	1.15	20	
Xylene (o)	0.0800	0.00100	"	0.100		80.0	80-120	2.04	20	
Surrogate: 4-Bromofluorobenzene	*0.104*		"	*0.120*		*87.0*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.112*		"	*0.120*		*93.2*	*80-120*			
Calibration Blank (P3K1007-CCB1)				Prepared: 11/10/23 Analyzed: 11/11/23						
Benzene	0.0900		ug/l							
Toluene	0.120		"							
Ethylbenzene	0.150		"							
Xylene (p/m)	0.190		"							
Xylene (o)	0.260		"							
Surrogate: 4-Bromofluorobenzene	*0.103*		"	*0.120*		*86.1*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.108*		"	*0.120*		*90.4*	*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 P3K1007 - * DEFAULT PREP *** **										
Calibration Blank (P3K1007-CCB2)				Prepared: 11/10/23 Analyzed: 11/12/23						
Benzene	0.110		ug/l							
Toluene	0.160		"							
Ethylbenzene	0.140		"							
Xylene (p/m)	0.180		"							
Xylene (o)	0.190		"							
Surrogate: 4-Bromofluorobenzene	*0.102*		*"*	*0.120*		*84.7*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.109*		*"*	*0.120*		*90.5*	*80-120*			
Calibration Check (P3K1007-CCV1)				Prepared: 11/10/23 Analyzed: 11/11/23						
Benzene	0.101	0.00100	mg/L	0.100		101	80-120			
Toluene	0.0967	0.00100	"	0.100		96.7	80-120			
Ethylbenzene	0.0851	0.00100	"	0.100		85.1	80-120			
Xylene (p/m)	0.176	0.00200	"	0.200		88.0	80-120			
Xylene (o)	0.0836	0.00100	"	0.100		83.6	80-120			
Surrogate: 4-Bromofluorobenzene	*0.105*		*"*	*0.120*		*87.7*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.111*		*"*	*0.120*		*92.7*	*80-120*			
Calibration Check (P3K1007-CCV2)				Prepared: 11/10/23 Analyzed: 11/12/23						
Benzene	0.105	0.00100	mg/L	0.100		105	80-120			
Toluene	0.103	0.00100	"	0.100		103	80-120			
Ethylbenzene	0.0922	0.00100	"	0.100		92.2	80-120			
Xylene (p/m)	0.187	0.00200	"	0.200		93.4	80-120			
Xylene (o)	0.0881	0.00100	"	0.100		88.1	80-120			
Surrogate: 4-Bromofluorobenzene	*0.105*		*"*	*0.120*		*87.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.111*		*"*	*0.120*		*92.6*	*80-120*			
Calibration Check (P3K1007-CCV3)				Prepared: 11/10/23 Analyzed: 11/12/23						
Benzene	0.104	0.00100	mg/L	0.100		104	80-120			
Toluene	0.101	0.00100	"	0.100		101	80-120			
Ethylbenzene	0.0935	0.00100	"	0.100		93.5	80-120			
Xylene (p/m)	0.189	0.00200	"	0.200		94.6	80-120			
Xylene (o)	0.0883	0.00100	"	0.100		88.3	80-120			
Surrogate: 4-Bromofluorobenzene	*0.0985*		*"*	*0.120*		*82.1*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.107*		*"*	*0.120*		*88.8*	*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 P3K1007 - * DEFAULT PREP *** **										
Matrix Spike (P3K1007-MS1)	**Source: 3K03005-01**			Prepared: 11/10/23 Analyzed: 11/12/23						
Benzene	0.0838	0.00100	mg/L	0.100	ND	83.8	80-120			
Toluene	0.0805	0.00100	"	0.100	ND	80.5	80-120			
Ethylbenzene	0.0756	0.00100	"	0.100	ND	75.6	80-120			QM-05
Xylene (p/m)	0.148	0.00200	"	0.200	ND	74.2	80-120			QM-05
Xylene (o)	0.0685	0.00100	"	0.100	ND	68.5	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	*0.0988*		"	*0.120*		*82.4*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.108*		"	*0.120*		*89.8*	*80-120*			
Matrix Spike Dup (P3K1007-MSD1)	**Source: 3K03005-01**			Prepared: 11/10/23 Analyzed: 11/12/23						
Benzene	0.0992	0.00100	mg/L	0.100	ND	99.2	80-120	16.8	20	
Toluene	0.0986	0.00100	"	0.100	ND	98.6	80-120	20.3	20	QM-05
Ethylbenzene	0.0921	0.00100	"	0.100	ND	92.1	80-120	19.7	20	
Xylene (p/m)	0.178	0.00200	"	0.200	ND	88.9	80-120	18.0	20	
Xylene (o)	0.0829	0.00100	"	0.100	ND	82.9	80-120	19.1	20	
Surrogate: 4-Bromofluorobenzene	*0.0997*		"	*0.120*		*83.1*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.108*		"	*0.120*		*90.1*	*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-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
pH1	The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.
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: 11/14/2023

Brent Barron, Laboratory Director/Technical Director

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235

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:

e-mail: cdstanley@trccompanies.com, cjbryant@paalp.com, khudgens@paalp.com, mgreen@trccompanies.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 #: 3K03005

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 (Field Filtered - 250 ml)	HCl - (40 ml VOA)	H_2SO_4 (250 ml)	NaOH	$Na_2S_2O_3$	None (40ml 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 and Mn) by SW 6010	Nitrate and Sulfate bvy E300	COD by SM 5310	Total BTEX by 8260	PAH by 8270	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	MW-5			11-2-23	0920		3	X		3						GW								X			X

Special Instructions: BILL TO PLAINS

Relinquished by:	Date	Time	Received by:	Date	Time
Manny	11-3-23	0850			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL: Alma Bledsoe	11/3/23	8:50

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: 4.0 °C
Adjusted: °C Factor NCF LB

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 350769

CONDITIONS

Operator:	OGRID:
PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	34053
	Action Number: 350769
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Review of the Monument 10, 2023 Annual Monitoring Report: content satisfactory 1. continue to conduct quarterly groundwater sampling for the 2024 calendar year. 2. Continue to sample for PAH as appropriate for MW-3A, when PSH is not present. 3. Continue to manually remove LNAPL from wells on a monthly basis, and gauge as prescribed. 4. Submit the 2024 annual report electronically to OCD by May 1, 2024.	7/23/2024