



**2024
ANNUAL MONITORING REPORT**

HDO-90-23

UNIT LTR "B" (NE ¼, NW ¼), SECTION 6, TOWNSHIP 21 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO
PLAINS SRS NUMBER: HDO-90-23
NMOCD REFERENCE AP-009
INCIDENT # nAPP2109726199

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March 2025

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INTRODUCTION

On behalf of Plains Marketing, L.P. (Plains), TRC Environmental Corporation (TRC) is pleased to submit this 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 Environmental Corporation, previously NOVA Safety and Environmental (NOVA). The HDO-90-23 Site, which was formally the responsibility of Texas New Mexico Pipe Line Company (TNM), is now the responsibility of Plains. This report is intended to be viewed as a complete document with text, figures, tables, and appendices. The report presents the results of the quarterly groundwater monitoring events conducted in calendar year 2024 only. However, historical data tables and the 2024 laboratory analytical reports are provided as an attachment. A Site Location Map is provided as Figure 1. A map depicting site details and well locations is provided for reference as Figure 2.

Groundwater monitoring was conducted during each quarter of 2024 to assess the levels and extent of dissolved phase constituents and Phase Separated Hydrocarbon (PSH). Each groundwater monitoring event consisted of measuring static water levels in monitor wells, checking for the presence of PSH on the water column and purging and sampling of each well exhibiting sufficient recharge. Monitor wells containing a thickness of PSH equal to or greater than 0.01 foot were not sampled, with the exception of the monitor wells used during monitored natural attenuation (MNA) sampling activities.

SITE DESCRIPTION AND BACKGROUND INFORMATION

The site is located in the NE $\frac{1}{4}$ of the NW $\frac{1}{4}$ of Section 6, Township 21 South, Range 37 East in Lea County. The HDO 90-23 Release was discovered by TNM personnel and reported on March 27, 1990. According to the release report, an estimated seven hundred fifty (750) barrels of crude oil was released, and five hundred fifty (550) barrels were recovered. The release occurred from a fourteen (14)-inch TNM pipeline and was attributed to structural failure associated with internal pipeline corrosion. Limited excavation occurred around the release point to repair the pipeline. The Release Notification and Corrective Action (Form C-141) is provided as Appendix B.

In February 1998, nine (9) soil borings were advanced, and five (5) monitoring wells were installed by a previous contractor to assess the subsurface conditions. In September 1999, three (3) additional monitor wells were installed. In the fall of 2002, monitor wells MW-9 through MW-15 were installed. In November 2004, NOVA installed two (2) additional monitor wells (MW-16 and MW-17) to further delineate the southeast extent of the dissolved phase plume.

On August 9, 2005, NOVA personnel discovered and documented a leaking produced water pipeline approximately one hundred (100) feet north of monitor well MW-3. The leaking pipeline was reported to the NMOCD, Hobbs District Office on the same day. The pipeline was identified as a Mar Oil and Gas (MAR) Pipeline. A MAR employee was successful in closing an off-site valve to stop the produced water flow. On August 12, 2005, MAR employees began limited excavation surrounding monitor well MW-3, stockpiling the soil on site. Since the activities of August 2005, the excavated soil has been stockpiled on site.

In February 2007, NOVA personnel discovered and documented a crude oil release approximately five hundred (500) feet northwest of monitor well MW-15. The release was associated with a production pump jack operated by MAR and to date this release has not been remediated.

On November 12, 2009, NOVA personnel advanced five (5) soil borings in the vicinity of monitor/recovery wells MW-6, MW-2, RW-1, and RW-2 to evaluate current soil concentrations. A report documenting the Soil Investigation Activities was submitted to the NMOCD under separate cover in March 2011.

On June 22, 2010, Plains received approval from the NMOCD for soil closure activities. The NMOCD approved closure contingent on the advancement of two (2) soil borings, each in the vicinity of monitor well MW-2 to at least forty (40) feet below ground surface (bgs).

On July 7, 2011, as per the NMOCD directive dated June 22, 2010, NOVA personnel advanced one (1) soil boring in the vicinity of monitor well MW-2 to a depth of approximately forty (40) feet bgs. The results of the soil boring investigation were documented in a *Soil Evaluation Letter Report* submitted to the NMOCD in August 2011.

On December 20, 2012, NOVA personnel submitted a Request for Drilling Permit to advance one (1) soil boring in the vicinity of monitor well MW-2 to a depth of approximately forty (40) feet bgs to the New Mexico Office of the State Engineer. The installation of the soil boring is pending landowner access permission.

Currently, thirteen (13) groundwater monitor wells (MW-2 through MW-6, MW-8, MW-9, and MW-12 through MW-17) and two (2) product recovery wells (RW-1 and RW-2) are onsite.

FIELD ACTIVITIES

Product Recovery Efforts

A measurable thickness of PSH was detected in monitor wells MW-2 and MW-6 during all four (4) sampling events of 2024. A maximum PSH thickness of 3.25 feet was recorded in monitor well MW-6 on November 5, 2024, and is shown on Table 1. The average thickness of PSH in monitor wells MW-2 and MW-6 during 2024 was 1.70 feet.

Approximately 64.00 gallons (1.52 barrels) of PSH were recovered manually from the Site during the 2024 reporting period. Approximately 1,855.9 gallons (44.22 barrels) of PSH have been recovered by manual and automated recovery methods since project inception.

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 correspondence dated June 21, 2005. In 2022, the sampling schedule was modified, and the sampling modification was approved by the NMOCD in an email dated January 12, 2022.

NMOCD Approved Sampling Schedule prior to 2022 Modification					
Location	Sampling Schedule	Location	Sampling Schedule	Location	Sampling Schedule
MW-1	Plugged and Abandoned	MW-8	Annually	MW-15	Quarterly
MW-2	Quarterly	MW-9	Semi-Annually	MW-16	Annually
MW-3	Quarterly	MW-10	Plugged and Abandoned	MW-17	Quarterly
MW-4	Semi-Annually	MW-11	Plugged and Abandoned	RW-1	Quarterly
MW-5	Semi-Annually	MW-12	Quarterly	RW-2	Quarterly
MW-6	Quarterly	MW-13	Quarterly		
MW-7	Plugged and Abandoned	MW-14	Quarterly		

NMOCD Approved Sampling Schedule subsequent to 2022 Modification					
Location	Sampling Schedule	Location	Sampling Schedule	Location	Sampling Schedule
MW-1	Plugged and Abandoned	MW-8	Annually	MW-15	Annually
MW-2*	Quarterly	MW-9*	Annually	MW-16	Annually
MW-3*	Quarterly	MW-10	Plugged and Abandoned	MW-17*	Annually
MW-4	Annually	MW-11	Plugged and Abandoned	RW-1	Quarterly
MW-5	Annually	MW-12	Annually	RW-2*	Quarterly
MW-6*	Quarterly	MW-13	Annually		
MW-7	Plugged and Abandoned	MW-14	Annually		

*Indicates wells selected for MNA parameters and are sampled on a quarterly schedule

The Site monitor wells were gauged and sampled on March 19, June 4, September 26, and November 2, 2024.

During each sampling event, sampled monitor wells were purged a minimum of three (3) well volumes of water or until the wells were dry using a PVC bailer or electrical Grundfos pump. Monitor wells MW-4, MW-5, MW-8, MW-12, MW-13, MW-14, MW-15, and MW-16 were hand bailed. Groundwater was allowed to recharge, and samples were collected using disposable Teflon samplers. Water samples were placed in clean glass containers provided by the laboratory and placed on ice in the field. Purge water was collected in a polystyrene tank and disposed of at a licensed disposal facility. Locations of the monitor wells and the inferred groundwater gradient, which were constructed utilizing measurements collected during the four (4) quarterly monitoring events, are depicted on Figures 2A through 2D. Groundwater elevation data for 2024 is provided as Table 1. Historical groundwater elevation data beginning at project inception is provided as an attachment.

Please note, during all four (4) quarters of the reporting period, monitor wells MW-2, MW-3, MW-6, MW-9, MW-17, and recovery well RW-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 five (5) monitor wells (MW-2, MW-3, MW-6, MW-9, MW-17), and one (1) recovery well (RW-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.

The most recent Inferred Groundwater Gradient Map, Figure 2D, indicated a general gradient of 0.0013 feet/foot to the southeast as measured between monitor wells MW-9 and MW-17. Inferred Groundwater Gradient Maps prepared during the 1st, 2nd, and 3rd quarters indicated and inferred groundwater gradient ranging from 0.0014 to 0.0049 feet/foot. The corrected groundwater elevation ranged between 3,417.89 and 3,419.47 feet above mean sea level, in monitor well MW-17 on November 6, 2024, and monitor well MW-17 on September 27, 2024, respectively.

LABORATORY RESULTS

Groundwater samples collected during all four (4) quarters of 2024 reporting period were delivered to Permian Basin Environmental Laboratories in Midland, Texas for determination of BTEX constituent concentrations by EPA Method 8021B. Polynuclear Aromatic Hydrocarbons (PAH) analysis by EPA Method 8270 was scheduled during the 2024 calendar year on monitor well MW-2 and MW-6. Based on historical PAH analytical data, only those wells exhibiting elevated constituent concentrations above New Mexico Water Quality Control Commission (NMWQCC) standards were sampled, with the exclusion of those wells containing measurable PSH thicknesses. A listing of BTEX constituent concentrations for 2024 are summarized in Table 2 and historical concentrations of BTEX in groundwater are summarized in Table 5. The 2024 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 2024 are provided in Appendix A. The quarterly groundwater sample results for BTEX constituent concentrations are depicted on Figures 3A through 3D.

Monitor well MW-2 is sampled on a quarterly schedule and the analytical results indicated benzene concentrations ranged from below the applicable laboratory RL during the 2nd quarter to 0.0527 mg/L during the 1st quarter of 2024. Benzene concentrations were above the NMOCD regulatory guidelines during all 1st, 3rd and 4th quarters of the reporting period. Toluene concentrations ranged from below the applicable laboratory results during the 2nd quarter to 0.0282 mg/L during the 1st quarter. Toluene concentrations were below the NMOCD regulatory guidelines all four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from less than the applicable laboratory RL during the 2nd quarter to 0.0302 mg/L during the 1st quarter of 2024. Ethylbenzene concentrations were below the NMOCD regulatory guidelines all four (4) quarters of the reporting period. Xylene concentrations ranged from below the laboratory RL during the 2nd quarter to 0.1062 mg/L during the 1st quarter. Xylene concentrations were below the NMOCD regulatory guidelines all four (4) quarters of the reporting period.

Monitor well MW-2 was selected as an MNA parameter well and is located in the “Center of Plume” location. PSH thicknesses were removed prior to the collection of groundwater samples during the reporting period and groundwater samples were obtained using low-flow sampling techniques. The table below list the stabilization levels for the water quality parameters during the reporting period for monitor well MW-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
3/19/24	MW-2	7.05	22.83	3.21	151.6	1.01	465.30
06/04/24	MW-2	7.31	23.91	2.79	-131.2	0.41	109.63
09/26/24	MW-2	7.30	23.61	2.46	-110.6	0.66	96.68
11/06/24	MW-2	7.16	22.77	2,540.0	-290.4	0.01	161.25

PAH analysis during the 4th quarter sampling event was planned, but could not be sampled or analyzed due to PSH in monitor well MW-2.

Analytical benzene data for the previous eight (8) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “No Trend” in monitor well MW-2. Analytical toluene data for the previous eight (8) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “Stable” in monitor well MW-2. Analytical ethylbenzene data for the previous eight (8) quarters were entered into the GSI-MKT, which indicated the Concentration Trend was “Stable” in monitor well MW-2. Analytical xylene data for the previous eight (8) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “Stable” in monitor well MW-2. Please reference Tables 7 through 10 for benzene, toluene, ethylbenzene, and xylene Constituent Trend Analysis, respectively. Analytical results of MNA constituent samples will be summarized in the Monitored Natural Attenuation Results Summary Section of this Report.

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

Monitor well MW-3 is sampled on a quarterly schedule and the analytical results indicated BTEX constituent concentrations were below the applicable laboratory RL and the NMOCD regulatory guidelines during all four (4) quarters of the reporting period.

Please note, monitor well MW-3 was selected as MNA parameter well and is located “downgradient within the plume” location. Groundwater samples collected during the reporting period were obtained using low-flow sampling techniques. The table below lists the stabilization levels for the water quality parameters during the reporting period for monitor well MW-3.

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
03/19/24	MW-3	6.94	20.74	1.19	-122.6	1.98	298.01
06/04/24	MW-3	7.09	22.79	0.98	35.1	1.42	139.16
09/26/24	MW-3	6.86	21.65	1.09	46.5	0.70	145.63
11/06/24	MW-3	6.92	21.14	1,136.0	-291.8	0	11.97

Analytical benzene data for the previous eight (8) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “Probably Decreasing” in monitor well MW-3. Analytical toluene data for the previous eight (8) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “Stable” in monitor well MW-3. Analytical ethylbenzene data for the previous eight (8) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “Stable” in monitor well MW-3. Analytical xylene data for the previous eight (8) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “Decreasing” in monitor well MW-3. Please reference Tables 7 through 10 for benzene, toluene, ethylbenzene, and xylene Constituent Trend Analysis, respectively. Analytical results of MNA constituent samples will be summarized in the Monitored Natural Attenuation Results Summary Section of this Report.

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

Monitor well MW-4 was previously sampled on a semi-annual schedule and is currently sampled on an annual schedule. The analytical results indicated BTEX constituent concentrations were less than the applicable laboratory RL and NMOCD regulatory guidelines during the 4th quarter sampling event. The analytical results indicated BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 3rd quarter of 2005. PAH analysis was not required during the 4th quarter sampling event.

Monitor well MW-5 was previously sampled on a semi-annual schedule and is currently sampled on an annual schedule. The analytical results indicated BTEX constituent concentrations were less than the applicable laboratory RL and NMOCD regulatory guidelines during the 4th quarter sampling event. The analytical results indicated BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 2nd quarter of 2005. PAH analysis was not required during the 4th quarter sampling event.

Monitor well MW-6 is sampled on a quarterly schedule and the analytical results indicated benzene concentrations ranged from 0.232 mg/L during the 4th quarter to 0.305 mg/L during the 1st quarter of 2024. Benzene concentrations were above the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Toluene concentrations ranged from 0.00286 mg/L during the 4th quarter to 0.0377 mg/L during the 1st quarter. Toluene concentrations were below the NMOCD regulatory guidelines all four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from 0.431 mg/L during the 4th quarter to 0.966 mg/L during the 2nd quarter of 2024. Ethylbenzene concentrations were above the NMOCD regulatory guidelines during the 1st, 2nd, and 3rd quarter of the reporting period. Xylene concentrations ranged from 0.3316 mg/L during the 4th quarter to 0.825 mg/L during the 1st quarter. Xylene concentrations were above the NMOCD regulatory guidelines during the 1st and 3rd quarter of the reporting period.

Monitor well MW-6 was selected as an MNA parameter well and is located in the “Upgradient within the Plume” location. PSH thicknesses were removed prior to the collection of groundwater samples during the reporting period and groundwater samples were obtained using low-flow sampling techniques. The table below lists 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
03/19/24	MW-6	7.38	22.44	0.66	-210.8	1.39	298.51
06/04/24	MW-6	7.51	25.11	0.66	-228.8	0.51	228.13
09/26/24	MW-6	7.49	23.41	0.55	-230.4	0.98	290.63
11/06/24	MW-6	7.43	22.17	619.03	-342.9	0.48	44.85

PAH analysis during the 4th quarter sampling was scheduled, could not be sampled or analyzed due to PSH in monitor well MW-6.

Analytical benzene data for the previous eight (8) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “Stable” in monitor well MW-6. Analytical toluene data for the previous eight (8) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “No Trend” in monitor well MW-6. Analytical ethylbenzene data for the previous eight (8) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “No Trend” in monitor well MW-6. Analytical xylene data for the previous eight (8) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “Stable” in monitor well MW-6. Please reference Tables 7 through 10 for benzene, toluene, ethylbenzene, and xylene Constituent Trend Analysis, respectively. Analytical results of MNA constituent samples will be summarized in the Monitored Natural Attenuation Results Summary Section of this Report.

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

Monitor well MW-8 is sampled on an annual schedule and the analytical results indicated BTEX constituent concentrations were less than the applicable laboratory RL and NMOCD regulatory guidelines during the 4th quarter sampling event. The analytical results indicated BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 3rd quarter of 1999. PAH analysis was not required during the 4th quarter sampling event.

Monitor well MW-9 was previously sampled on a semi-annual schedule and is currently sampled on an annual schedule. Monitor well MW-9 was selected as a MNA parameter well and was sampled “off schedule” during the 1st, 2nd, 3rd, and 4th quarters as a result. The analytical results indicated BTEX constituent concentrations were less than the applicable laboratory RL and NMOCD regulatory guidelines during all four (4) quarters of 2024. The analytical results indicated BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 1st quarter of 2003. PAH analysis was not required during the 4th quarter sampling event.

Please note, monitor well MW-9 was selected as MNA parameter well and is located in the “up-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-9.

Sample Date	Sample Location	pH (SU) ±10%	Temp C ±10%	Conductivity (u-mhos/cm) ±10%	ORP (mV) ±10%	DO mg/L ±10%	Turbidity (NTUs) ±10% or < 5 NTUs
03/19/24	MW-9	7.24	20.88	0.75	75.5	5.19	2,328.9
06/04/24	MW-9	7.44	23.89	0.76	85.6	3.56	991.89
09/26/24	MW-9	7.48	21.61	0.70	14.7	1.67	145.83
11/06/24	MW-9	7.46	20.97	673.65	-110.5	0.76	608.12

Analytical benzene data for the previous eight (8) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “Stable” in monitor well MW-9. Analytical toluene data for the previous eight (8) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “Stable” in monitor well MW-9. Analytical ethylbenzene data for the previous eight (8) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “Stable” in monitor well MW-9. Analytical xylene data for the previous eight (8) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “Stable” in monitor well MW-9. Please reference Tables 7 through 10 for benzene, toluene, ethylbenzene, and xylene Constituent Trend Analysis, respectively. Analytical results of MNA constituent samples will be summarized in the Monitored Natural Attenuation Results Summary Section of this Report.

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

Monitor well MW-12 was previously sampled on a quarterly schedule and will be sampled on an annual schedule. The analytical results indicated BTEX constituent concentrations were less than the applicable laboratory RL and NMOCD regulatory guidelines during the 4th quarter of 2024. The analytical results indicated BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 1st quarter of 2003. PAH analysis was not required during the 4th quarter sampling event.

Monitor well MW-13 was previously sampled on a quarterly schedule and will be sampled on an annual schedule. The analytical results indicated BTEX constituent concentrations were less than the applicable laboratory RL and NMOCD regulatory guidelines during the 4th quarter of 2024. The analytical results indicated BTEX constituent concentrations have been below NMOCD regulatory guidelines since 2nd quarter of 2005. PAH analysis was not required during the 4th quarter sampling event.

Monitor well MW-14 was previously sampled on a quarterly schedule and will be sampled on an annual schedule. The analytical results indicated BTEX constituent concentrations were less than the applicable laboratory RL and NMOCD regulatory guidelines during the 4th quarter of 2024. BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 4th quarter of 2007. PAH analysis was not required during the 4th quarter sampling event.

Monitor well MW-15 was previously sampled on a quarterly schedule and will be sampled on an annual schedule. The analytical results indicated BTEX constituent concentrations were less than the applicable laboratory RL and NMOC regulatory guidelines during the 4th quarter of 2024. The analytical results indicated BTEX constituent concentrations have been below NMOC regulatory guidelines since 3rd quarter of 2007. PAH analysis was not required during the 4th quarter sampling event.

Monitor well MW-16 is sampled on an annual schedule. The well was dry during the 1st, 2nd, 3rd, and 4th quarter of 2024, subsequently the well was not sampled during the reporting period. Historical analytical results indicated BTEX constituent concentrations have been below NMOC regulatory guidelines since the 4th quarter of 2004, and has been dry since September 6, 2022. PAH analysis was not required during the 4th quarter sampling event.

Monitor well MW-17 was previously sampled on a quarterly schedule and is currently sampled on an annual schedule. Monitor well MW-17 was selected as a MNA parameter well and was sampled “off schedule” during the 1st, 2nd, 3rd and 4th quarters as a result. The analytical results indicated BTEX constituent concentrations were less than the applicable laboratory RL and NMOC regulatory guidelines during all four (4) quarters of 2024. The analytical results indicated BTEX constituent concentrations have been below NMOC regulatory guidelines since the 4th quarter of 2004. PAH analysis was not required during the 4th quarter sampling event.

Please note, monitor well MW-17 was selected as MNA parameter well and is located in the “down-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-17.

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
03/19/24	MW-17	7.55	19.93	0.93	74.3	4.28	738.52
06/04/24	MW-17	7.66	20.40	0.85	52.3	4.60	310.12
09/26/24	MW-17	7.42	22.20	0.83	-3.0	3.40	748.06
11/06/24	MW-17	7.40	19.79	788.23	83.2	2.56	139.50

Analytical benzene data for the previous eight (8) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “Stable” in monitor well MW-17. Analytical toluene data for the previous eight (8) was entered into the GSI-MKT, which indicated the Concentration Trend was “Stable” in monitor well MW-17. Analytical ethylbenzene data for the previous eight (8) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “Stable” in monitor well MW-17. Analytical xylene data for the previous eight (8) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “Stable” in monitor well MW-17. Please reference Tables 7 through 10 for benzene, toluene, ethylbenzene, and xylene Constituent Trend Analysis, respectively. Analytical results of MNA constituent samples will be summarized in the Monitored Natural Attenuation Results Summary Section of this Report.

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

Recovery well RW-1 is sampled on a quarterly schedule and the analytical results indicated benzene concentrations ranged from below the applicable laboratory RL during the 2nd and 3rd quarter to 0.00756 mg/L during the 4th quarter of 2024. Benzene concentrations were below NMOCD regulatory guidelines during all four (4) quarter of the reporting period. Toluene concentrations were below the applicable laboratory RL and the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Ethylbenzene concentrations were below the applicable laboratory RL and the NMOCD regulatory guidelines during all four (4) quarters. Xylene concentrations ranged from less than the applicable laboratory RL during the 1st, 2nd, and 3rd quarters to 0.00291 mg/L during the 4th quarter of 2024. Xylene concentrations were below NMOCD regulatory guidelines during all four (4) quarters of the reporting period. PAH analysis was not required during the 4th quarter sampling event.

Recovery well RW-2 is sampled on a quarterly schedule and the analytical results indicated benzene concentrations ranged from below the applicable laboratory reporting limit during the 1st, 3rd, and 4th quarter to 0.0119 mg/L during the 2nd quarter of the reporting period. Benzene concentrations were above NMOCD regulatory guidelines during the 2nd quarter of the reporting period. Toluene concentrations ranged from less than the applicable laboratory reporting limit during the 1st, 3rd, and 4th quarter to 0.00370 mg/L during the 2nd quarter. Toluene concentrations were below NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from less than the applicable laboratory reporting period during the 1st, 3rd, and 4th quarter to 0.00327 mg/L during the 2nd quarter. Ethylbenzene concentrations were below NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Xylene concentrations ranged from below the applicable laboratory reporting limit during the 1st, 3rd, and 4th quarter to 0.00947 mg/L during the 2nd quarter. Xylene concentrations were below NMOCD regulatory guidelines during all four (4) quarters of the reporting period. PAH analysis was not required during the 4th quarter sampling event.

Please note, recovery well RW-2 was selected as MNA parameter well and is located in the “cross-gradient of the 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 RW-2.

Sample Date	Sample Location	pH (SU) ±10%	Temp C ±10%	Conductivity (u-mhos/cm) ±10%	ORP (mV) ±10%	DO mg/L ±10%	Turbidity (NTUs) ±10% or < 5 NTUs
03/19/24	RW-2	6.87	21.82	1.47	56.3	2.25	110.58
06/04/24	RW-2	7.04	26.37	1.33	-63.4	0.78	475.93
09/26/24	RW-2	6.96	24.01	1.29	14.1	1.26	576.12
11/06/24	RW-2	6.85	21.47	1,247.2	-56.7	0.80	253.25

Analytical benzene data for the previous eight (8) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “No Trend” in recovery well RW-2. Analytical toluene data for the previous eight (8) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “No Trend” in recovery well RW-2. Analytical ethylbenzene data for the previous eight (8) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “No Trend” in recovery well RW-2. Analytical xylene data for the previous eight (8) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “No Trend” in recovery well RW-2. Please reference Tables 7 through 10 for benzene, toluene, ethylbenzene, and xylene Constituent Trend Analysis, respectively. Analytical results of MNA constituent samples will be summarized in the Monitored Natural Attenuation Results Summary Section of this Report.

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

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 RESULTS SUMMARY

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

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

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

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

The most energetically favorable electron acceptors (i.e., dissolved oxygen and nitrate) 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 at petroleum release sites is typically petroleum hydrocarbons (e.g., light non-aqueous phase liquids [LNAPLs]); therefore, the center of the concentric region near the origin of a release area tends to be at the location where LNAPL is most likely to be present. 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), and dissolved oxygen (DO).

Dissolved-phase hydrocarbon plumes begin to spread out from a release area 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 below the release area and above an area where LNAPL has spread in response to the driving head imposed by the LNAPL source. Once the source of the release is stopped i.e., the driving head is removed), LNAPL in the subsurface becomes trapped by capillary forces within the subsurface and further LNAPL spreading ceases. For these reasons, the plume shape, COC concentrations, and biogeochemistry change with time.

Five (5) monitor wells and one (1) recovery well were sampled to determine the morphology of each biodegradation region and to assess the attenuation of benzene, toluene, ethylbenzene and xylenes in the plume. These wells generally included one (1) well upgradient of the plume (MW-9), one (1) well upgradient within the plume (MW-6), one (1) well near the center of the plume (MW-

2), one (1) well downgradient within the plume (MW-3), one (1) well downgradient of the plume (MW-17), and one (1) well cross-gradient of the plume center (RW-2).

The five (5) monitor wells (MW-9, MW-6, MW-2, MW-3, and MW-17) and recovery well (RW-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.

In past reports, trends were assessed using several years of data which may not reflect current conditions within the plume. For this reason, trends in this report are based upon data collected during the last two years of monitoring using the GSI Mann-Kendall Toolkit (GSI-MKT, 2012) as these trends reflect current plume geochemistry and may be a better indicator of future plume behavior.

Note that due to the limitations of the GSI-MKT, non-detect results for constituents are depicted on the GSI MKT for Constituent Trend Analysis spreadsheet at the applicable laboratory RL. Care must be exercised when interpreting trend analysis when non-detect results are included in the trend analysis, particularly where there are multiple non-detect results and RLs vary over time. In such cases, it is possible that the Mann-Kendall Trend Analysis may indicate an increasing or decreasing trend for a constituent when, in reality, the concentration of the constituent at the particular well is stable or no trend exists. In these instances, the GSI-MKT user's guide suggests that the constituent concentration trend in the well be designated as "stable" or no trend and not rely on the trend predicted by the Mann-Kendall analysis.

Quarterly results and trend analyses for each of the constituents analyzed during 2024 are summarized below.

For the 1st quarter of 2024, the analytical results for concentrations of benzene ranged from less than the applicable laboratory RL for monitor/recovery wells MW-3, MW-9, MW-17, and RW-2 to 0.305 mg/L for monitor well MW-6.

For the 2nd quarter, the analytical results for concentrations of benzene ranged from less than the applicable laboratory RL for monitor/recovery wells MW-2, MW-3, MW-9, and MW-17 to 0.251 mg/L for monitor well MW-6.

For the 3rd quarter, the analytical results for concentrations of benzene ranged from less than the applicable laboratory RL for monitor/recovery wells MW-9, MW-3, MW-17, and RW-2 to 0.267 mg/L for monitor well MW-6.

For the 4th quarter, the analytical results for concentrations of benzene ranged from less than the applicable laboratory RL for monitor/recovery wells MW-9, MW-3, MW-17, and RW-2 to 0.232 mg/L for monitor well MW-6.

Please reference Table 7 for GSI-MKT benzene results. Analytical benzene data for the previous eight (8) quarters was entered into the GSI-MKT for monitor wells (MW-9, MW-6, MW-2, MW-3, and MW-17) and recovery well (RW-2). The GSI-MKT indicated the Concentration Trends for MW-9, MW-6, MW-2, MW-3, MW-17, and RW-2 were as follows “Stable”, “Stable”, “No Trend”, “Probably Decreasing”, “Stable”, and “No Trend”.

For the 1st quarter of 2024, the analytical results for concentrations of toluene ranged from less than the applicable laboratory RL for monitor/recovery wells MW-9, MW-3, MW-17, and RW-2 to 0.0377 mg/L for monitor well MW-6.

For the 2nd quarter, the analytical results for concentrations of toluene ranged from less than the applicable laboratory RL for monitor/recovery wells MW-9, MW-3, MW-17, and MW-2 to 0.00608 mg/L for monitor well MW-6.

For the 3rd quarter the analytical results for concentrations of toluene ranged from less than the applicable laboratory RL for monitor/recovery wells MW-9, MW-3, MW-17, and RW-2 to 0.00333 mg/L for monitor well MW-6.

For the 4th quarter, the analytical results for concentrations of toluene ranged from less than the applicable laboratory RL for monitor/recovery wells MW-9, MW-3, MW-17, and RW-2 to 0.0118 mg/L for monitor well MW-2.

Please reference Table 8 for GSI-MKT toluene results. Analytical toluene data for the previous eight (8) quarters was entered into the GSI-MKT for monitor wells (MW-9, MW-6, MW-2, MW-3, and MW-17) and recovery well (RW-2). The GSI-MKT indicated the Concentration Trends for MW-9, MW-6, MW-2, MW-3, MW-17, and RW-2 were as follows “Stable”, “No Trend”, “Stable”, “Stable”, “Stable”, and “No Trend”.

For the 1st quarter of 2024, the analytical results for concentrations of ethylbenzene ranged from less than the applicable laboratory RL for monitor/recovery wells MW-9, MW-3, MW-17, and RW-2 to 0.817 mg/L for monitor well MW-6.

For the 2nd quarter, the analytical results for concentrations of ethylbenzene ranged from less than the applicable laboratory RL for monitor/recovery wells MW-9, MW-3, MW-17, and MW-2 to 0.966 mg/L for monitor well MW-6.

For the 3rd quarter, the analytical results for concentrations of ethylbenzene ranged from less than the applicable laboratory RL for monitor/recovery wells MW-9, MW-3, MW-17, and RW-2 to 0.956 mg/L for monitor well MW-6.

For the 4th quarter, the analytical results for concentrations of ethylbenzene ranged from less than the applicable laboratory RL for monitor/recovery wells MW-9, MW-3, MW-17, and RW-2 to 0.431 mg/L for monitor well MW-6.

Please reference Table 9 for GSI-MKT ethylbenzene results. Analytical ethylbenzene data for the previous eight (8) quarters was entered into the GSI-MKT for monitor wells (MW-9, MW-6, MW-2, MW-3, and MW-17) and recovery well (RW-2). The GSI-MKT indicated the Concentration

Trends for MW-9, MW-6, MW-2, MW-3, MW-17, and RW-2 were as follows “Stable”, “No Trend”, “Stable”, “Stable”, “Stable”, and “No Trend”.

For the 1st quarter of 2024, the analytical results for concentrations of xylene ranged from less than the applicable laboratory RL for monitor/recovery wells MW-9, MW-3, MW-17, and RW-2 to 0.825 mg/L for monitor well MW-6.

For the 2nd quarter, the analytical results for concentrations of xylene ranged from less than the applicable laboratory RL for monitor/recovery wells MW-9, MW-3, MW-17, and MW-2 to 0.5096 mg/L for monitor well MW-6.

For the 3rd quarter, the analytical results for concentrations of xylene ranged from less than the applicable laboratory RL for monitor/recovery wells MW-9, MW-3, MW-17, and RW-2 to 0.7253 mg/L for monitor well MW-6.

For the 4th quarter, the analytical results for concentrations of xylene ranged from less than the applicable laboratory RL for monitor/recovery wells MW-9, MW-3, MW-17, and RW-2 to 0.3316 mg/L for monitor well MW-6.

Please reference Table 10 for GSI-MKT xylene results. Analytical xylene data for the previous eight(2) quarters was entered into the GSI-MKT for monitor wells (MW-9, MW-6, MW-2, MW-3, and MW-17) and recovery well (RW-2). The GSI-MKT indicated the Concentration Trends for MW-9, MW-6, MW-2, MW-3, MW-17, and RW-2 were as follows “Stable”, “Stable”, “Stable”, “Decreasing”, “Stable”, and “No Trend”.

For the 1st quarter of 2024, the analytical results for concentrations of TOC ranged from less than the applicable laboratory RL for monitor well MW-17 to 67.1 mg/L for monitor well MW-2.

For the 2nd quarter, the analytical results for concentrations of TOC ranged from 2.78 mg/L for monitor well MW-17 to 73.8 mg/L for RW-2.

For the 3rd quarter, the analytical results for concentrations of TOC ranged from less than the applicable laboratory RL for for monitor well MW-17 to 86.1 mg/L for MW-2.

For the 4th quarter, the analytical results for concentrations of TOC ranged from less than the applicable laboratory RL for monitor well MW-6 to 18.8 mg/L for monitor well MW-3.

Please reference Table 11 for GSI-MKT TOC results. Analytical TOC data for the previous two (2) years was entered into the GSI-MKT for monitor wells (MW-9, MW-6, MW-2, MW-3, and MW-17) and recovery well (RW-2). The GSI-MKT indicated the Concentration Trends for MW-9, MW-6, MW-2, MW-3, MW-17, and RW-2 were as follows “No Trend”, “Stable”, “No Trend”, “No Trend”, “No Trend”, and “No Trend”.

For the 1st quarter of 2024, the analytical results for concentrations of Dissolved Methane ranged from 0.000725 mg/L for monitor well MW-17 to 2.37 mg/L for monitor well MW-3.

For the 2nd quarter the analytical results for concentrations of Dissolved Methane ranged from 0.000904 mg/L for recovery well RW-2 to 8.39 mg/L for recovery well RW-2.

For the 3rd quarter, the analytical results for concentrations of Dissolved Methane ranged from 0.00105 mg/L for monitor well MW-17 to 6.76 mg/L for monitor well MW-2.

For the 4th quarter, the analytical results for concentrations of Dissolved Methane ranged from 0.00132 mg/L for recovery well RW-2 to 6.77 mg/L for monitor well MW-2.

Please reference Table 12 for GSI-MKT Dissolved Methane results. Analytical TOC data for the previous eight (8) quarters was entered into the GSI-MKT for monitor wells (MW-9, MW-6, MW-2, MW-3, and MW-17) and recovery well (RW-2). The GSI-MKT indicated the Concentration Trends for MW-9, MW-6, MW-2, MW-3, MW-17, and RW-2 were as follows “No Trend”, “Probably Decreasing”, “No Trend”, “Probably Decreasing”, “No Trend”, and “No Trend”.

For the 1st quarter 2024, the analytical results for concentrations of Dissolved Ethane ranged from less than the applicable laboratory RL for monitor/recovery wells MW-9, MW-3, MW-17, and RW-2 to 0.0394 mg/L for monitor well MW-2.

For the 2nd quarter, the analytical results for concentrations of Dissolved Ethane ranged from less than the applicable laboratory RL for monitor/recovery wells MW-9, MW-2, MW-3, MW-17, and RW-2 to 0.0654 mg/L for monitor well MW-6.

For the 3rd quarter the analytical results for concentrations of Dissolved Ethane ranged from less than the applicable laboratory RL for monitor/recovery wells MW-9, MW-6, MW-3, MW-2, MW-17, and RW-2.

For the 4th quarter, the analytical results for concentrations of Dissolved Ethane ranged from less than the applicable laboratory RL for monitor/recovery wells MW-9, MW-2, MW-3, MW-17, and RW-2 to 0.0187 mg/L for monitor well MW-6.

Please reference Table 13 for GSI-MKT Dissolved Ethane results. Analytical Dissolved Ethane data for the previous eight (8) quarters was entered into the GSI-MKT for monitor wells (MW-9, MW-6, MW-2, MW-3, and MW-17) and recovery well (RW-2). The GSI-MKT indicated the Concentration Trends for MW-9, MW-6, MW-2, MW-3, MW-17, and RW-2 were as follows “Stable”, “No Trend”, “No Trend”, “Stable”, and “Stable”.

For the 1st quarter of 2024, the analytical results for concentrations of Dissolved Ethene were from less than the applicable laboratory RL for monitor/recovery wells MW-9, MW-6, MW-2, MW-3, MW-17, and RW-2.

For the 2nd quarter the analytical results for concentrations of Dissolved Ethene were from less than the applicable laboratory RL for monitor/recovery wells MW-9, MW-6, MW-2, MW-3, MW-17, and RW-2.

For the 3rd quarter the analytical results for concentrations of Dissolved Ethene were from less than the applicable laboratory RL for monitor/recovery wells MW-9, MW-6, MW-2, MW-3, MW-17, and RW-2.

For the 4th quarter the analytical results for concentrations of Dissolved Ethene were from less than the applicable laboratory RL for monitor/recovery wells MW-9, MW-6, MW-2, MW-3, MW-17, and RW-2.

Please reference Table 14 for GSI-MKT Dissolved Ethene results. Analytical Dissolved Ethene data for the previous eight (2) quarters was entered into the GSI-MKT for monitor wells (MW-9, MW-6, MW-2, MW-3, and MW-17) and recovery well (RW-2). The GSI-MKT indicated the Concentration Trends for MW-9, MW-6, MW-2, MW-3, MW-17, and RW-2 were as follows “Stable”, “Stable”, “No Trend”, “No Trend”, “Stable”, and “Stable”.

For the 1st quarter of 2024, the analytical results for concentrations of Dissolved Iron (filtered) ranged from less than the applicable laboratory RL for monitor wells MW-9, MW-6, and MW-17, to 2.28 mg/L for monitor well MW-2.

For the 2nd quarter, the analytical results for concentrations of Dissolved Iron (filtered) ranged from less than the applicable laboratory RL for monitor wells MW-9, MW-6, MW-3, and MW-17 to 2.32 mg/L for recovery well MW-2.

For the 3rd quarter, the analytical results for concentrations of Dissolved Iron (filtered) ranged from less than the applicable laboratory RL for monitor wells MW-9, MW-6, and MW-17 to 2.16 mg/L for monitor well MW-2.

For the 4th quarter, the analytical results for concentrations of Dissolved Iron (filtered) ranged from less than the applicable laboratory RL for monitor wells MW-9, MW-6, and MW-17 to 2.32 mg/L for monitor well MW-2.

Please reference Table 15 for GSI-MKT Dissolved Iron (filtered) results. Analytical Dissolved Iron data for the previous eight (8) quarters was entered into the GSI-MKT for monitor wells (MW-9, MW-6, MW-2, MW-3, and MW-17) and recovery well (RW-2). The GSI-MKT indicated the Concentration Trends for MW-9, MW-6, MW-2, MW-3, MW-17, and RW-2 were as follows “Stable”, “Stable”, “Increasing”, “Probably Decreasing”, “Stable”, and “No Trend”.

For the 1st quarter of 2024, the analytical results for concentrations of Dissolved Manganese (filtered) ranged less than the applicable laboratory RL for monitor well MW-17 to 0.136 mg/L for monitor well MW-2.

For the 2nd quarter, the analytical results for concentrations of Dissolved Manganese (filtered) ranged from less than the applicable laboratory RL for monitor well MW-17 to 0.265 mg/L for monitor well MW-2.

For the 3rd quarter, the analytical results for concentrations of Dissolved Manganese (filtered) ranged from less than the applicable laboratory RL for monitor wells MW-9 and MW-6 to 0.138 mg/L for monitor well MW-3.

For the 4th quarter, the analytical results for concentrations of Dissolved Manganese (filtered) ranged from less than the applicable laboratory RL for monitor well MW-9, MW-6, and MW-17 to 0.152 mg/L for monitor well MW-3.

Please reference Table 16 for GSI-MKT Dissolved Manganese (filtered) results. Analytical Dissolved Manganese data for the previous eight (8) quarters was entered into the GSI-MKT for monitor wells (MW-9, MW-6, MW-2, MW-3, and MW-17) and recovery well (RW-2). The GSI-MKT indicated the Concentration Trends for MW-9, MW-6, MW-2, MW-3, MW-17, and RW-2 were as follows “Stable”, “Decreasing”, “No Trend”, “Stable”, “No Trend”, and “Probably Increasing”.

For the 1st quarter of 2024, the analytical results for concentrations of Nitrate ranged from less than the applicable laboratory RL for monitor/recovery wells MW-2, MW-3, MW-6 and RW-2 to 0.406 mg/L for monitor well MW-9.

For the 2nd quarter, the analytical results for concentrations of Nitrate ranged from 0.305 for monitor/recovery well MW-3 to 1.16 mg/L for monitor well MW-17.

For the 3rd quarter, the analytical results for concentrations of Nitrate ranged from less than the applicable laboratory RL for monitor/recovery wells MW-9, MW-2, MW-3, MW-17, and RW-2 to 0.415 mg/L for monitor well MW-6.

For the 4th quarter, the analytical results for concentrations of Nitrate ranged from less than the applicable laboratory RL for monitor/recovery wells MW-9, MW-2, MW-3, and RW-2 to 0.559 mg/L for monitor well MW-6.

Please reference Table 17 for GSI-MKT Nitrate results. Analytical Nitrate data for the previous eight (8) quarters was entered into the GSI-MKT for monitor wells (MW-9, MW-6, MW-2, MW-3, and MW-17) and recovery well (RW-2). The GSI-MKT indicated the Concentration Trends for MW-9, MW-6, MW-2, MW-3, MW-17, and RW-2 were as follows “Decreasing”, “No Trend”, “No Trend”, “No Trend”, “Probably Decreasing”, and “No Trend”.

For the 1st quarter of 2024, the analytical results for concentrations of Sulfate ranged from 1.33 mg/L monitor well MW-2 to 234 mg/L for monitor well RW-2.

For the 2nd quarter, the analytical results for concentrations of Sulfate ranged from 3.79 mg/L recovery well RW-2 to 232 mg/L for recovery well MW-2.

For the 3rd quarter, the analytical results for concentrations of Sulfate ranged from 8.62 mg/L monitor well MW-2 to 245 mg/L for recovery well RW-2.

For the 4th quarter, the analytical results for concentrations of Sulfate ranged from less than the applicable laboratory RL for monitor well MW-2 to 234 mg/L for monitor well RW-2.

Please reference Table 18 for GSI-MKT Sulfate results. Analytical Sulfate data for the previous eight (8) quarters was entered into the GSI-MKT for monitor wells (MW-9, MW-6, MW-2, MW-3,

and MW-17) and recovery well (RW-2). The GSI-MKT indicated the Concentration Trends for MW-9, MW-6, MW-2, MW-3, MW-17, and RW-2 were as follows “Stable”, “Stable”, “No Trend”, “Stable”, “No Trend”, and “No Trend”.

For the 1st quarter of 2024, the analytical results for concentrations of COD ranged from less than the applicable laboratory RL for monitor well MW-17 to 98 mg/L for monitor well MW-9.

For the 2nd quarter, the analytical results for concentrations of COD ranged from 4mg/L for monitor wells MW-17 to 205 mg/L for recovery well RW-2.

For the 3rd quarter, the analytical results for concentrations of COD ranged from less than the applicable laboratory RL for monitor/recovery wells MW-9, MW-17, and RW-2 to 200 mg/L for monitor well MW-2.

For the 4th quarter, the analytical results for concentrations of COD ranged from less than the applicable laboratory RL for monitor/recovery wells MW-9, MW-17, and RW-2 to 1,360 mg/L for monitor well MW-2.

Please reference Table 19 for GSI-MKT COD results. Analytical COD data for the previous eight (8) quarters was entered into the GSI-MKT for monitor wells (MW-9, MW-6, MW-2, MW-3, and MW-17) and recovery well (RW-2). The GSI-MKT indicated the Concentration Trends for MW-9, MW-6, MW-2, MW-3, MW-17, and RW-2 were as follows “No Trend”, “No Trend”, “No Trend”, “No Trend”, “No Trend”, and “No Trend”.

SUMMARY

This report presents the results of monitoring activities for the annual monitoring period of 2024. Currently, there are thirteen (13) groundwater monitor wells (MW-2 through MW-6, MW-8, MW-9, and MW-12 through MW-17) and two (2) recovery wells (RW-1 and RW-2) on-site. The most recent Inferred Groundwater Gradient Map, Figure 2D, indicated a general gradient of 0.0013 feet/foot to the southeast.

A measurable thickness of PSH was detected in monitor wells MW-2 and MW-6 during all four (4) sampling events of 2024. A maximum PSH thickness of 3.25 feet was recorded in monitor well MW-6 on November 5, 2024, and is shown on Table 1. The average thickness of PSH in monitor wells MW-2 and MW-6 during 2024 was 1.70 feet.

Approximately 32.00 gallons (0.76 barrels) of PSH were recovered manually from the Site during the 2024 reporting period. Approximately 1,791.9 gallons (42.7 barrels) of PSH have been recovered by manual and automated recovery methods since project inception.

Review of the laboratory analytical results generated from analysis of the groundwater samples obtained during the 2024 monitoring period indicated BTEX constituent concentrations are below NMOCD regulatory guidelines in twelve (12) of the fifteen (15) monitor and recovery wells.

ANTICIPATED ACTIONS

Quarterly groundwater monitoring, sampling and manual quarterly PSH recovery will continue in 2025. An Annual Monitoring Report will be submitted to the NMOCD by April 1, 2026.

Based on the results of the PAH analysis over the past several years, PAH analysis will be conducted on monitor wells MW-2 and MW-6.

One (1) soil boring will be placed in the vicinity of monitor well MW-2 to a depth of at least forty (40) feet bgs and one (1) additional monitor well will be installed north of monitor well MW-2. The landowner has approved the soil boring and the additional monitor well. Plains will obtain the Request for Drilling Permit from the New Mexico Office of the State Engineer, then arrangements will be made to complete the advancement of the soil boring and installation of the monitor well in 2024.

Low-flow sampling of MNA parameters will be conducted on monitor wells MW-2, MW-3, MW-6, MW-9, MW-17, and recovery well RW-2 during each quarterly sampling event. Unforeseen circumstances may require modification of this sampling event.

LIMITATIONS

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

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

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

DISTRIBUTION

Copy 1 Nelson Velez
 Environmental Specialist-Advanced
 New Mexico Oil Conservation Division
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 Aztec, New Mexico 87410

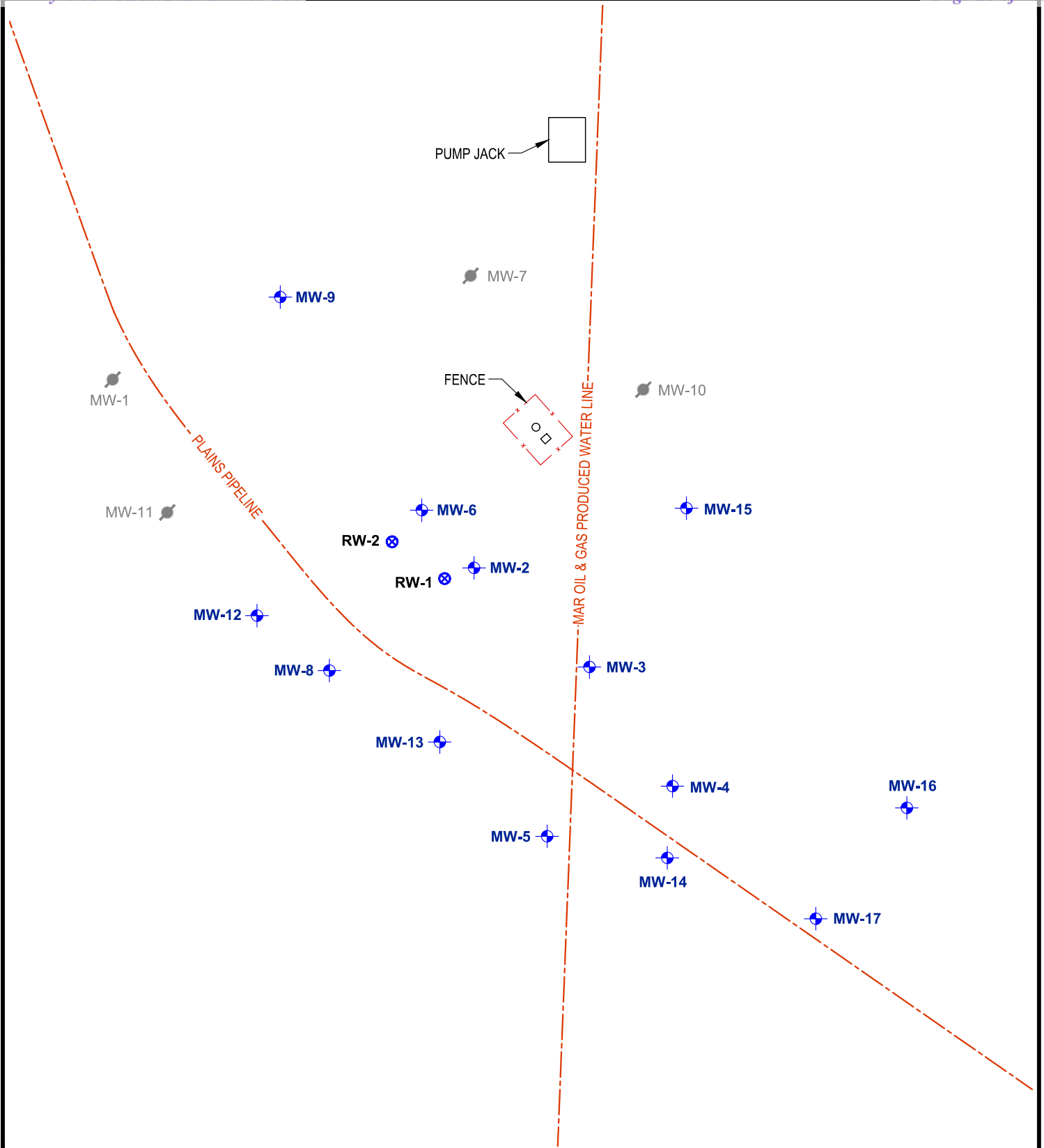
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 Midland, TX 79705
 hgloden@trcomapanies.com

FIGURES

LAST EDIT: 10/02/2025 - FILE LOCATION: HOU C:\OF-TRC\DRAWING-CDrive\ECR-Files\TRC-OFFICE-ALL-Other\TRC-OFFICE-Midland-TX\PLAINS Pipeline - New Mexico\HDO-90-23 - Lea Co-NM PLAINSPipeline-HDO90-23-LeaCoNM- Site Location-n-Site Map.dwg



LEGEND

- PIPELINE / PIPELINE RIGHT-OF-WAY
- ⊕ MONITOR WELL LOCATION
- ⦿ P & A WELL LOCATION (2005/09)
- ⊗ RECOVERY WELL LOCATION



0 100' 200'
SCALE IN FEET
1" = 200'-0"

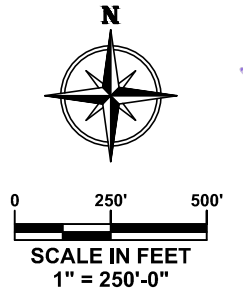
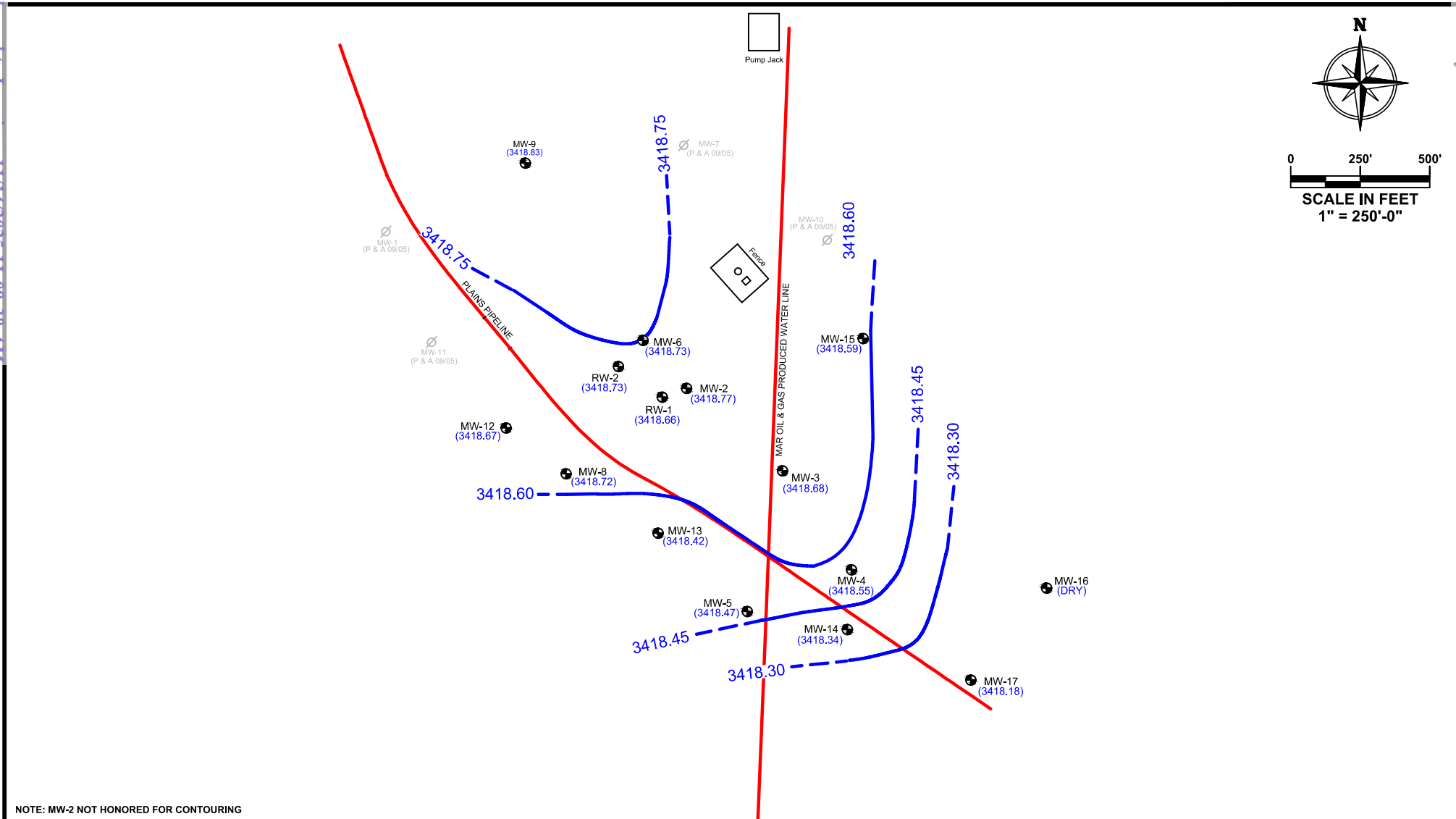
CLIENT / PROJECT

PLAINS PIPELINE, L.P.
HDO 90-23
Lea County, New Mexico

TITLE

SITE MAP

DRAWN BY: O. Fonseca	REQUEST BY: J. Repman	PROJECT NO. 014181
DWG. DATE: October 2025	PROJECT-MGR: J. Fergerson	FIGURE 2
 10 DESTA DRIVE, STE. 410E MIDLAND, TEXAS 79705 PHONE: 432-520-7720 TRCcompanies.com		



NOTE: MW-2 NOT HONORED FOR CONTOURING

LEGEND:

- MONITOR WELL LOCATION
- PLUGGED AND ABANDONED
- FENCE
- PIPELINE
- FORMER EXCAVATION LIMITS
- GROUNDWATER CONTOUR LINE (DASHED WHERE INFERRED)
CONTOUR INTERVAL = 0.15 FOOT
- GROUNDWATER ELEVATION (FT MSL)
(3920.85)
- NOT SAMPLED
(NS)
- GROUNDWATER FLOW DIRECTION

CLIENT / PROJECT

PLAINS PIPELINE, L.P.
HDO 90-23
LEA COUNTY, NEW MEXICO

TITLE

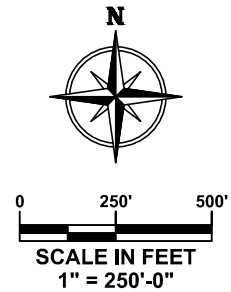
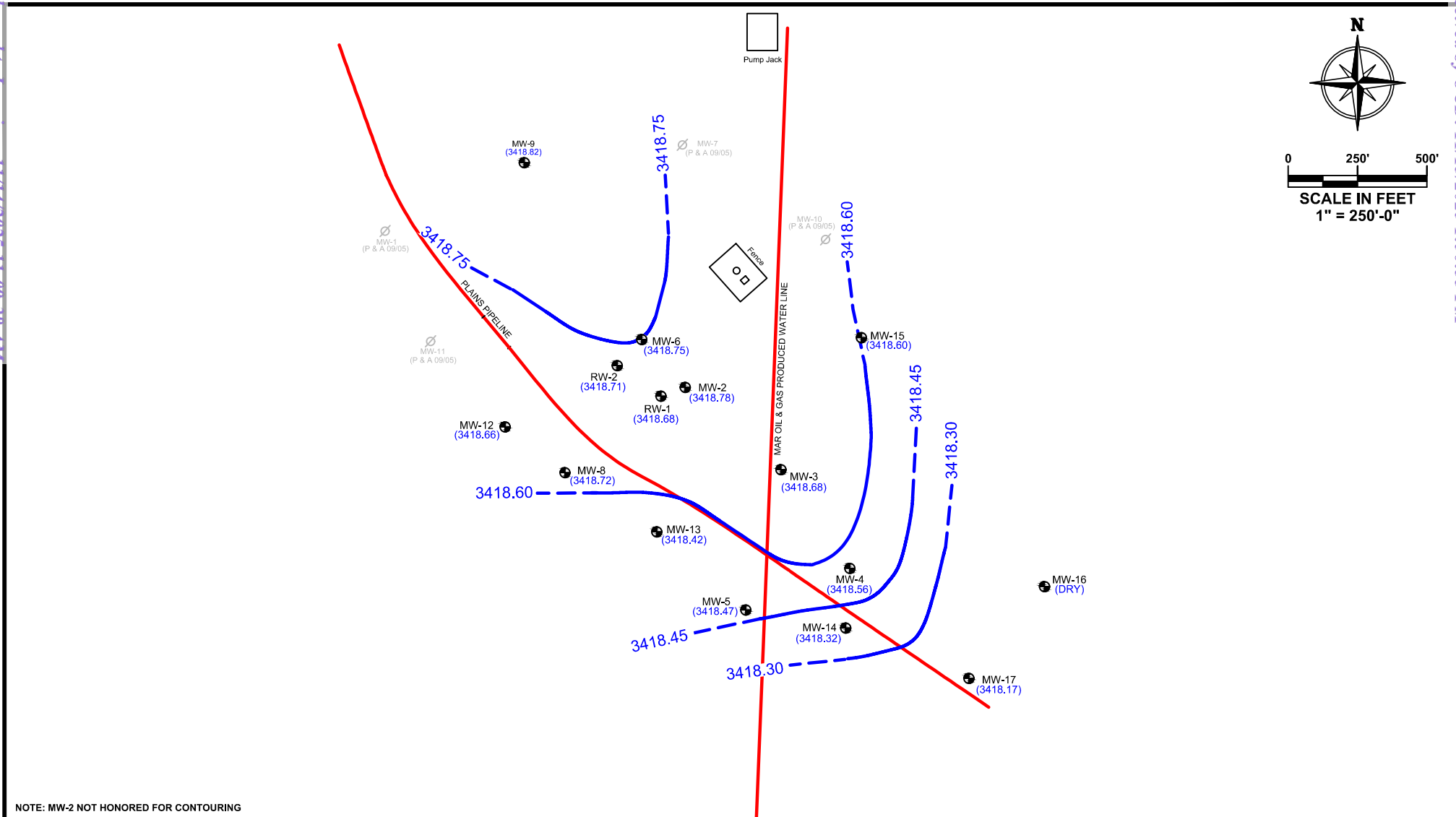
INFERRED GROUNDWATER GRADIENT MAP (MARCH 18, 2024)

DRAWN BY: E. Alexander	REQUEST BY: J. Ferguson	PROJECT NO. 014181
DWG. DATE: April 2025	PROJECT-MGR: J. Ferguson	FIGURE 2A



10 DESTA DRIVE, STE. 150E
MIDLAND, TEXAS 79705
PHONE: 432-520-7720
TRCcompanies.com

FIGURE
2A



NOTE: MW-2 NOT HONORED FOR CONTOURING

LEGEND:

- MONITOR WELL LOCATION
- PLUGGED AND ABANDONED
- FENCE
- PIPELINE
- FORMER EXCAVATION LIMITS
- GROUNDWATER CONTOUR LINE (DASHED WHERE INFERRED)
CONTOUR INTERVAL = 0.15 FOOT
- GROUNDWATER ELEVATION (FT MSL)
(3920.85)
- NOT SAMPLED
(NS)
- GROUNDWATER FLOW DIRECTION

CLIENT / PROJECT

PLAINS PIPELINE, L.P.
HDO 90-23
LEA COUNTY, NEW MEXICO

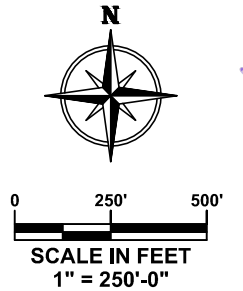
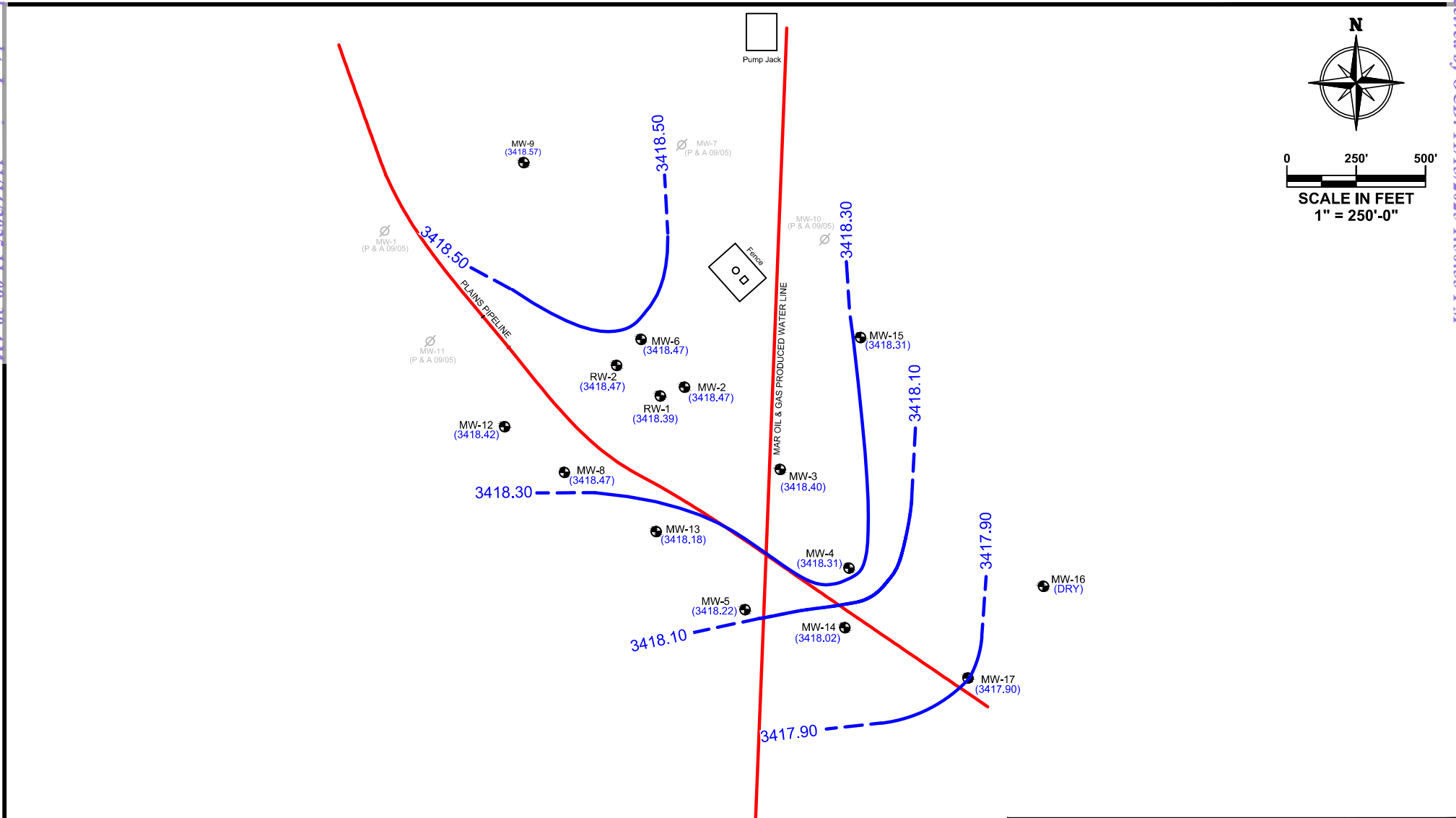
TITLE

INFERRED GROUNDWATER GRADIENT MAP
(JUNE 3, 2024)

DRAWN BY: A. Bleecker	REQUEST BY: J. Ferguson	PROJECT NO. 014181
DWG. DATE: April 2025	PROJECT-MGR: J. Ferguson	FIGURE 2B



10 DESTA DRIVE, STE. 150E
MIDLAND, TEXAS 79705
PHONE: 432-520-7720
TRCcompanies.com



LEGEND:

- MONITOR WELL LOCATION
- PLUGGED AND ABANDONED
- FENCE
- PIPELINE
- FORMER EXCAVATION LIMITS
- GROUNDWATER CONTOUR LINE (DASHED WHERE INFERRED)
CONTOUR INTERVAL = 0.20 FOOT
- GROUNDWATER ELEVATION (FT MSL)
- NOT SAMPLED
- GROUNDWATER FLOW DIRECTION

CLIENT / PROJECT

PLAINS PIPELINE, L.P.
HDO 90-23
LEA COUNTY, NEW MEXICO

TITLE

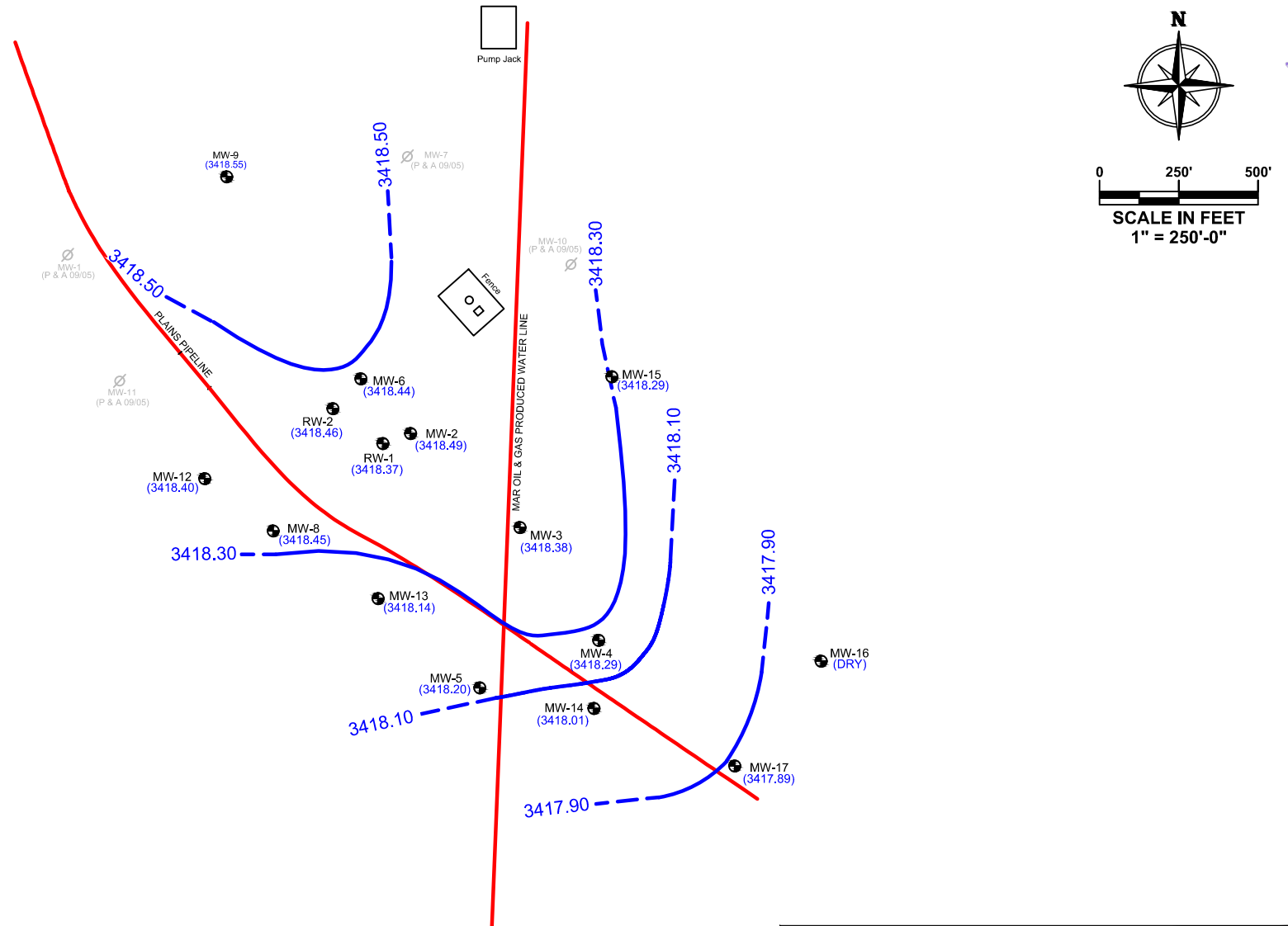
INFERRED GROUNDWATER GRADIENT MAP (SEPTEMBER 26, 2024)

DRAWN BY: A. Bleecker	REQUEST BY: J. Ferguson	PROJECT NO. 014181
DWG. DATE: April 2025	PROJECT-MGR: J. Ferguson	FIGURE



10 DESTA DRIVE, STE. 150E
MIDLAND, TEXAS 79705
PHONE: 432-520-7720
TRCcompanies.com

FIGURE
2C

**LEGEND:**

- MONITOR WELL LOCATION
- PLUGGED AND ABANDONED
- FENCE
- PIPELINE
- FORMER EXCAVATION LIMITS
- GROUNDWATER CONTOUR LINE (DASHED WHERE INFERRED)
CONTOUR INTERVAL = 0.20 FOOT
- GROUNDWATER ELEVATION (FT MSL)
- NOT SAMPLED
- GROUNDWATER FLOW DIRECTION

CLIENT / PROJECT

PLAINS PIPELINE, L.P.
HDO 90-23
LEA COUNTY, NEW MEXICO

TITLE

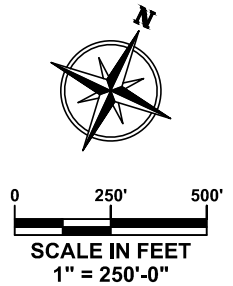
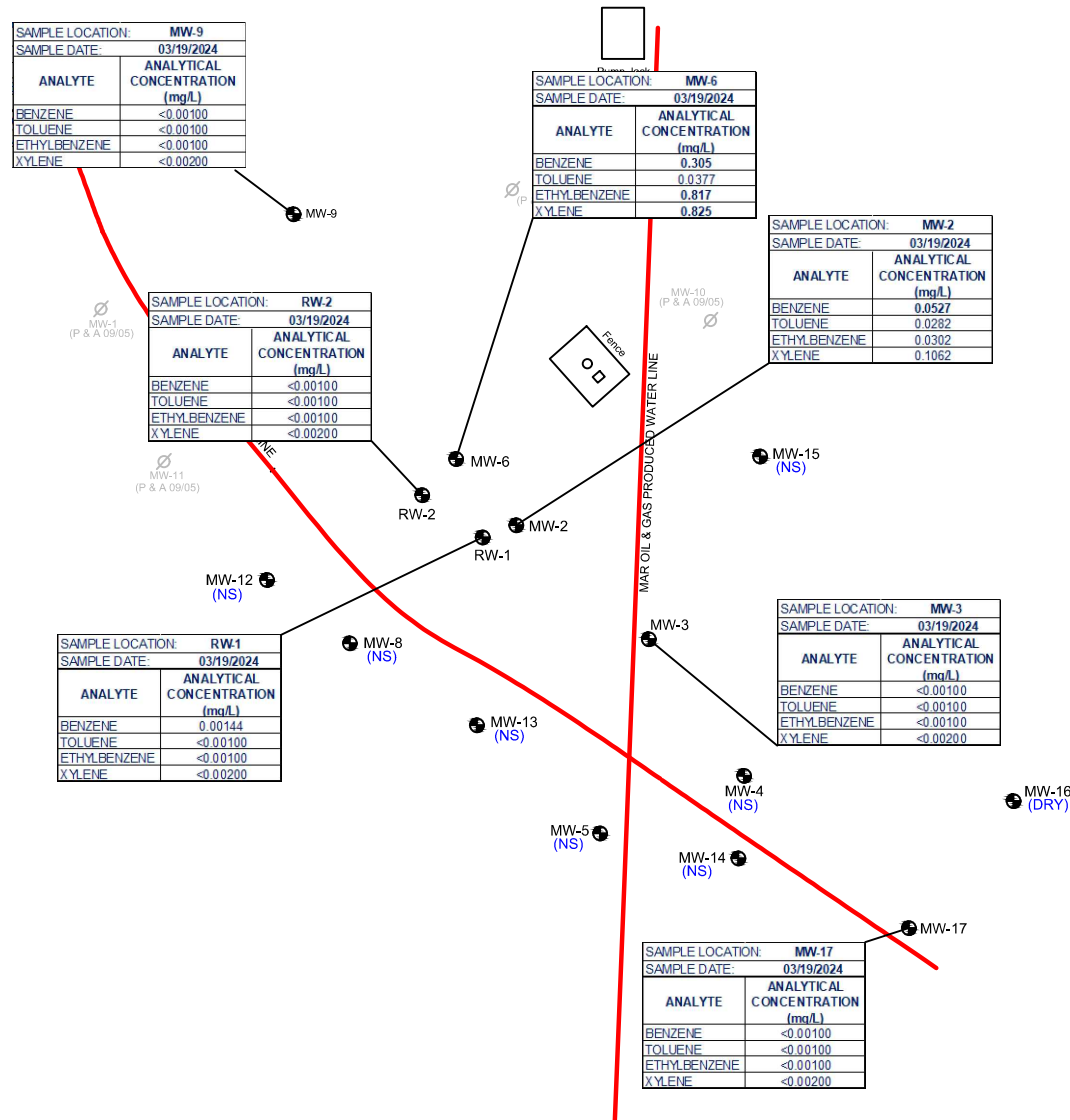
INFERRED GROUNDWATER GRADIENT MAP
(NOVEMBER 5, 2024)

DRAWN BY: A. Bleecker	REQUEST BY: J. Ferguson	PROJECT NO. 014181
DWG. DATE: April 2025	PROJECT-MGR: J. Ferguson	FIGURE 2D



10 DESTA DRIVE, STE. 150E
 MIDLAND, TEXAS 79705
 PHONE: 432-520-7720
TRCcompanies.com

FIGURE
2D



LEGEND:

- MONITOR WELL LOCATION
- PLUGGED AND ABANDONED
- FENCE
- PIPELINE
- FORMER EXCAVATION LIMITS
- GROUNDWATER ELEVATION (FT MSL)
- NOT SAMPLED

CLIENT / PROJECT

PLAINS PIPELINE, L.P.
HDO 90-23
LEA COUNTY, NEW MEXICO

TITLE

**GROUNDWATER CONCENTRATION
INFERRED PSH EXTENT MAP
(MARCH 19, 2024)**

DRAWN BY: E. Alexander	REQUEST BY: J. Fergerson	PROJECT NO. 014181
DWG. DATE: March 2025	PROJECT-MGR: J. Fergerson	FIGURE 3A



10 DESTA DRIVE, STE. 150E
MIDLAND, TEXAS 79705
PHONE: 432-520-7720
TRCcompanies.com

FIGURE
3A

SAMPLE LOCATION: MW-9	
SAMPLE DATE: 06/04/2024	
ANALYTE	ANALYTICAL CONCENTRATION (mg/L)
BENZENE	<0.00100
TOLUENE	<0.00100
ETHYLBENZENE	<0.00100
XYLENE	<0.00200

SAMPLE LOCATION: MW-6	
SAMPLE DATE: 06/04/2024	
ANALYTE	ANALYTICAL CONCENTRATION (mg/L)
BENZENE	0.251
TOLUENE	0.00608
ETHYLBENZENE	0.966
XYLENE	0.5096

SAMPLE LOCATION: RW-2	
SAMPLE DATE: 06/04/2024	
ANALYTE	ANALYTICAL CONCENTRATION (mg/L)
BENZENE	0.0119
TOLUENE	0.00370
ETHYLBENZENE	0.00327
XYLENE	0.00947

SAMPLE LOCATION: MW-2	
SAMPLE DATE: 06/04/2024	
ANALYTE	ANALYTICAL CONCENTRATION (mg/L)
BENZENE	<0.00100
TOLUENE	<0.00100
ETHYLBENZENE	<0.00100
XYLENE	<0.00200

SAMPLE LOCATION: MW-3	
SAMPLE DATE: 06/04/2024	
ANALYTE	ANALYTICAL CONCENTRATION (mg/L)
BENZENE	<0.00100
TOLUENE	<0.00100
ETHYLBENZENE	<0.00100
XYLENE	<0.00200

SAMPLE LOCATION: RW-1	
SAMPLE DATE: 06/04/2024	
ANALYTE	ANALYTICAL CONCENTRATION (mg/L)
BENZENE	<0.00100
TOLUENE	<0.00100
ETHYLBENZENE	<0.00100
XYLENE	<0.00200

SAMPLE LOCATION: MW-17	
SAMPLE DATE: 06/04/2024	
ANALYTE	ANALYTICAL CONCENTRATION (mg/L)
BENZENE	<0.00100
TOLUENE	<0.00100
ETHYLBENZENE	<0.00100
XYLENE	<0.00200

LEGEND:

-  MONITOR WELL LOCATION
-  PLUGGED AND ABANDONED
-  FENCE
-  PIPELINE
-  FORMER EXCAVATION LIMITS
-  (3920.85) GROUNDWATER ELEVATION (FT MSL)
-  (NS) NOT SAMPLED

CLIENT / PROJECT

PLAINS PIPELINE, L.P.
HDO 90-23
LEA COUNTY, NEW MEXICO

TITLE

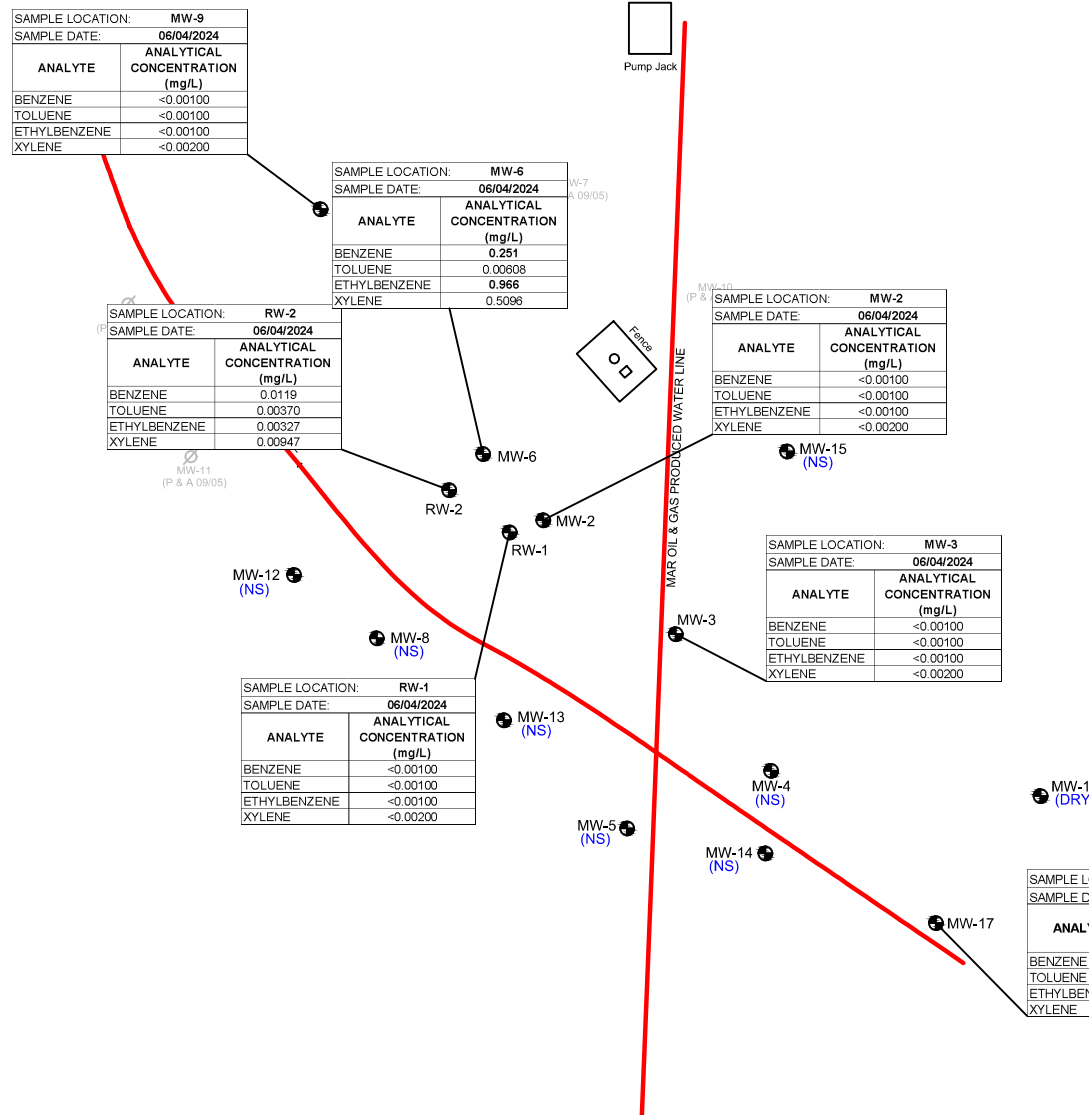
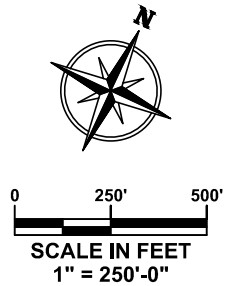
GROUNDWATER CONCENTRATION
INFERRED PSH EXTENT MAP
(JUNE 4, 2024)

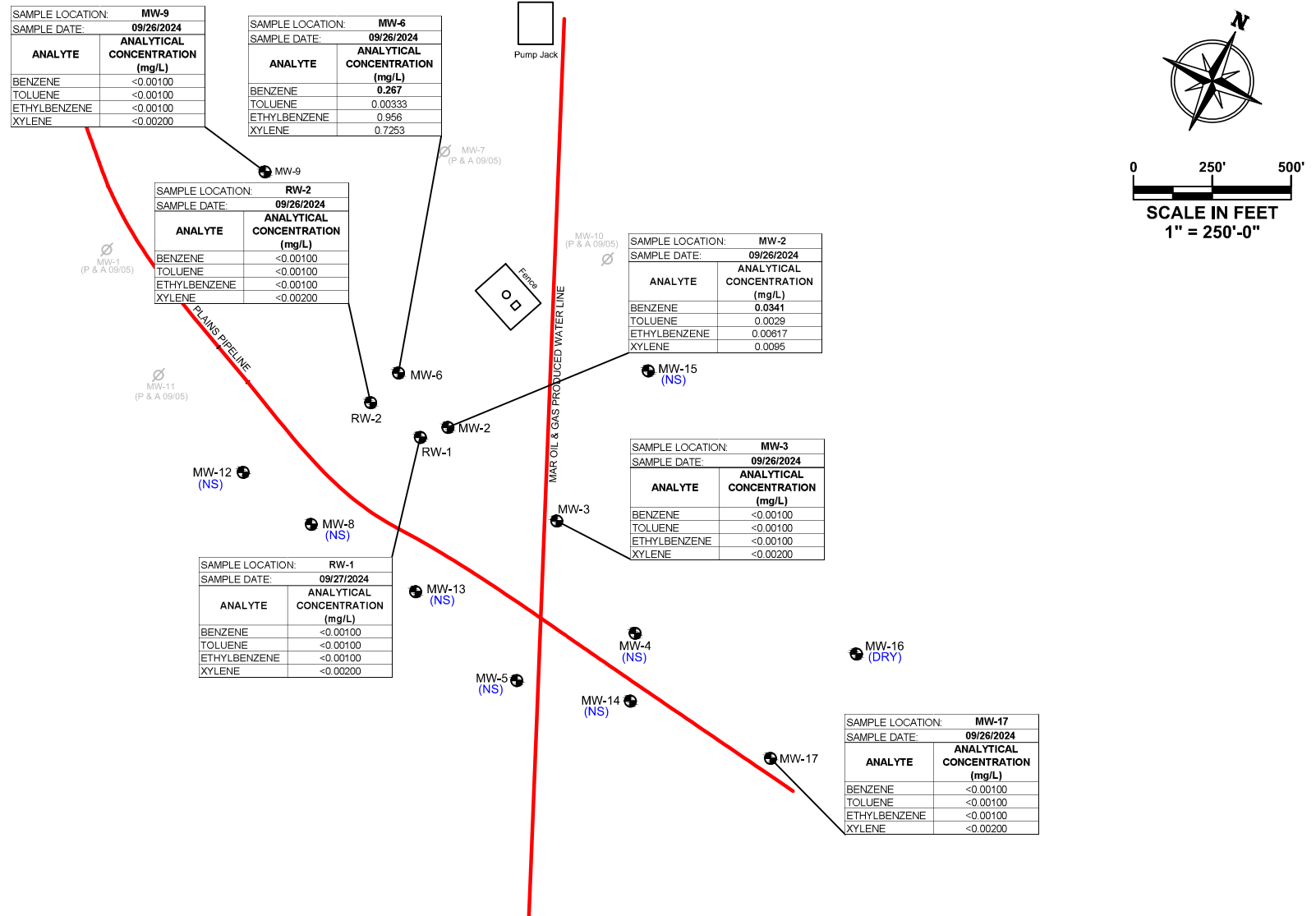
DRAWN BY: A. Bleecker	REQUEST BY: J. Fergerson	PROJECT NO. 014181
DWG. DATE: April 2025	PROJECT-MGR: J. Fergerson	FIGURE 3B



10 DESTA DRIVE, STE. 150E
MIDLAND, TEXAS 79705
PHONE: 432-520-7720
TRCcompanies.com

3B



**LEGEND:**

- MONITOR WELL LOCATION
- PLUGGED AND ABANDONED
- FENCE
- PIPELINE
- FORMER EXCAVATION LIMITS
- (3920.85) GROUNDWATER ELEVATION (FT MSL)
- (NS) NOT SAMPLED

CLIENT / PROJECT

PLAINS PIPELINE, L.P.
HDO 90-23
LEA COUNTY, NEW MEXICO

TITLE

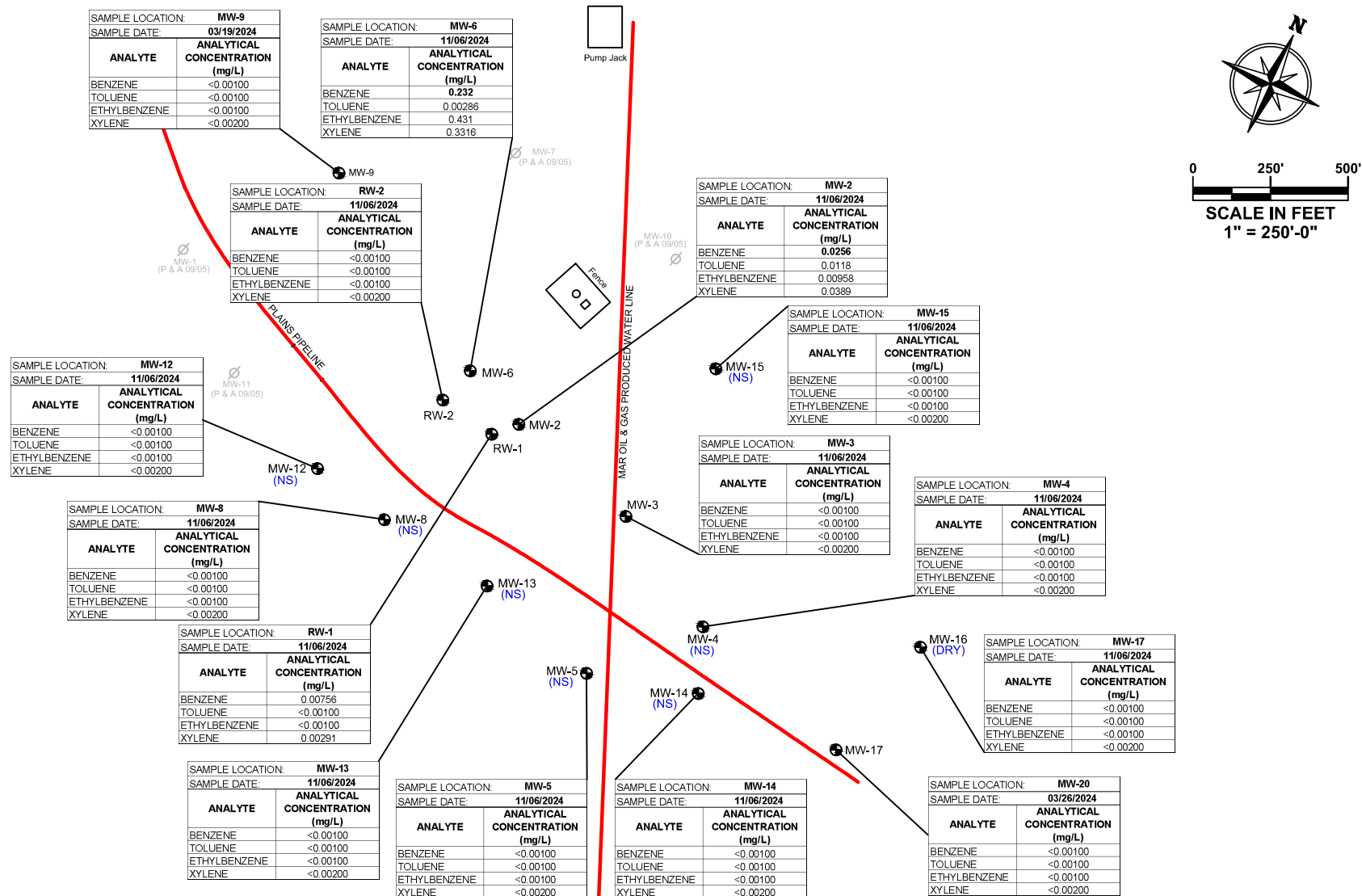
**GROUNDWATER CONCENTRATION
INFERRED PSH EXTENT MAP
(SEPTEMBER 26-27, 2024)**

DRAWN BY: A. Blecker	REQUEST BY: J. Fergerson	PROJECT NO. 014181
DWG. DATE: April 2025	PROJECT-MGR: J. Fergerson	FIGURE 3C



10 DESTA DRIVE, STE. 150E
MIDLAND, TEXAS 79705
PHONE: 432-520-7720
TRCcompanies.com

FIGURE
3C



LEGEND:

- MONITOR WELL LOCATION
- PLUGGED AND ABANDONED
- FENCE
- PIPELINE
- FORMER EXCAVATION LIMITS
- (3920.85) GROUNDWATER ELEVATION (FT MSL)
- (NS) NOT SAMPLED

CLIENT / PROJECT

PLAINS PIPELINE, L.P.
HDO 90-23
LEA COUNTY, NEW MEXICO

TITLE

GROUNDWATER CONCENTRATION
INFERRED PSH EXTENT MAP
(NOVEMBER 06, 2024)

DRAWN BY: A. Blecker	REQUEST BY: J. Fergerson	PROJECT NO. 014181
DWG. DATE: April 2025	PROJECT-MGR: J. Fergerson	FIGURE 3D
10 DESTA DRIVE, STE. 150E MIDLAND, TEXAS 79705 PHONE: 432-520-7720 TRCcompanies.com		



TABLES

TABLE 1

2024 GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

HDO 90 - 23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 2	Manny	01/11/24	3,465.44	-	46.65	47.03	0.38	3,418.73
MW - 2	Manny	02/16/24	3,465.44	-	46.68	46.97	0.29	3,418.72
MW - 2	Manny	03/07/24	3,465.44	-	46.58	46.92	0.34	3,418.81
MW - 2	Manny	03/18/24	3,465.44	-	46.63	46.89	0.26	3,418.77
MW - 2	Manny	06/03/24	3,465.44	54.54	46.59	47.04	0.45	3,418.78
MW - 2	Manny	07/30/24	3,465.44	-	46.80	47.60	0.80	3,418.52
MW - 2	Manny	09/26/24	3,465.44	54.56	46.93	47.23	0.30	3,418.47
MW - 2	Manny	11/05/24	3,465.44	54.52	46.90	47.24	0.34	3,418.49
MW - 3	Manny	03/18/24	3,464.68	-	-	46.00	0.00	3,418.68
MW - 3	Manny	06/03/24	3,464.68	56.38	-	45.91	0.00	3,418.77
MW - 3	Manny	09/26/24	3,464.68	56.38	-	46.28	0.00	3,418.40
MW - 3	Manny	11/05/24	3,464.68	56.37	-	46.30	0.00	3,418.38
MW - 4	Manny	03/18/24	3,465.76	-	-	47.21	0.00	3,418.55
MW - 4	Manny	06/03/24	3,465.76	-	-	47.20	0.00	3,418.56
MW - 4	Manny	09/26/24	3,465.76	-	-	47.45	0.00	3,418.31
MW - 4	Manny	11/05/24	3,465.76	52.75	-	47.47	0.00	3,418.29
MW - 5	Manny	03/18/24	3,467.40	-	-	48.93	0.00	3,418.47
MW - 5	Manny	06/03/24	3,467.40	-	-	48.93	0.00	3,418.47
MW - 5	Manny	09/26/24	3,467.40	-	-	49.18	0.00	3,418.22
MW - 5	Manny	11/05/24	3,467.40	55.05	-	49.20	0.00	3,418.20
MW - 6	Manny	01/11/24	3,465.42	-	46.28	49.36	3.08	3,418.68
MW - 6	Manny	02/16/24	3,465.42	-	46.28	49.27	2.99	3,418.69
MW - 6	Manny	03/07/24	3,465.42	-	46.16	49.34	3.18	3,418.78
MW - 6	Manny	03/18/24	3,465.42	-	46.26	49.11	2.85	3,418.73
MW - 6	Manny	04/10/24	3,465.42	-	46.52	47.08	0.56	3,418.82
MW - 6	Manny	05/08/24	3,465.42	-	46.25	49.01	2.76	3,418.76
MW - 6	Manny	06/03/24	3,465.42	57.90	46.26	48.98	2.72	3,418.75
MW - 6	Manny	07/30/24	3,465.42	-	46.44	49.65	3.21	3,418.50
MW - 6	Manny	08/22/24	3,465.42	-	46.47	49.45	2.98	3,418.50
MW - 6	Manny	9/13/2024	3,465.42	-	46.78	46.90	0.12	3,418.62
MW - 6	Manny	9/26/2024	3,465.42	57.92	46.55	49.20	2.65	3,418.47
MW - 6	Manny	10/3/2024	3,465.42	46.48	46.90	49.80	2.90	3,418.09
MW - 6	Manny	11/5/2024	3,465.42	57.83	46.49	49.74	3.25	3,418.44
MW - 6	Manny	12/30/2024	3,465.42	-	46.48	49.68	3.20	3,418.46
MW - 8	Manny	03/18/24	3,467.61	-	-	48.89	0.00	3,418.72
MW - 8	Manny	06/03/24	3,467.61	-	-	48.89	0.00	3,418.72
MW - 8	Manny	09/26/24	3,467.61	-	-	49.14	0.00	3,418.47
MW - 8	Manny	11/05/24	3,467.61	61.49	-	49.16	0.00	3,418.45
MW - 9	Manny	03/18/24	3,465.74	-	-	46.91	0.00	3,418.83
MW - 9	Manny	06/03/24	3,465.74	51.28	-	46.92	0.00	3,418.82
MW - 9	Manny	09/26/24	3,465.74	51.26	-	47.17	0.00	3,418.57
MW - 9	Manny	11/05/24	3,465.74	51.17	-	47.19	0.00	3,418.55
MW - 12	Manny	03/18/24	3466.69	-	-	48.02	0.00	3,418.67
MW - 12	Manny	06/03/24	3466.69	-	-	48.03	0.00	3,418.66
MW - 12	Manny	09/26/24	3466.69	-	-	48.27	0.00	3,418.42
MW - 12	Manny	11/05/24	3466.69	53.78	-	48.29	0.00	3,418.40
MW - 13	Manny	03/18/24	3466.98	-	-	48.56	0.00	3,418.42
MW - 13	Manny	06/03/24	3466.98	-	-	48.56	0.00	3,418.42
MW - 13	Manny	09/26/24	3466.98	-	-	48.80	0.00	3,418.18
MW - 13	Manny	11/05/24	3466.98	51.07	-	48.84	0.00	3,418.14
MW - 14	Manny	03/18/24	3466.50	-	-	48.23	0.00	3,418.27
MW - 14	Manny	06/03/24	3466.50	-	-	48.22	0.00	3,418.28
MW - 14	Manny	09/26/24	3466.50	-	-	48.48	0.00	3,418.02
MW - 14	Manny	11/05/24	3466.50	54.32	-	48.49	0.00	3,418.01
MW - 15	Manny	03/18/24	3466.10	-	-	47.51	0.00	3,418.59
MW - 15	Manny	06/03/24	3466.10	-	-	47.50	0.00	3,418.60

TABLE 1

2024 GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

HDO 90 - 23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 15	Manny	09/26/24	3466.10	-	-	47.79	0.00	3,418.31
MW - 15	Manny	11/05/24	3466.10	52.36	-	47.81	0.00	3,418.29
MW - 16	Manny	03/18/24	3465.93	DRY	-	-	-	-
MW - 16	Manny	06/03/24	3465.93	DRY	-	-	-	-
MW - 16	Manny	09/26/24	3465.93	DRY	-	-	-	-
MW - 16	Manny	11/05/24	3465.93	DRY	-	-	-	-
MW - 17	Manny	03/18/24	3468.68	-	-	50.50	0.00	3,418.18
MW - 17	Manny	06/03/24	3468.68	56.25	-	50.51	0.00	3,418.17
MW - 17	Manny	09/26/24	3468.68	56.24	-	50.78	0.00	3,417.90
MW - 17	Manny	11/05/24	3468.68	56.23	-	50.79	0.00	3,417.89
RW-1	Manny	03/18/24	3465.02	-	-	46.36	0.00	3,418.66
RW-1	Manny	06/03/24	3465.02	50.06	-	46.34	0.00	3,418.68
RW-1	Manny	09/26/24	3465.02	50.13	-	46.63	0.00	3,418.39
RW-1	Manny	11/05/24	3465.02	50.05	-	46.65	0.00	3,418.37
RW - 2	Manny	03/18/24	3465.21	-	-	46.48	0.00	3418.73
RW - 2	Manny	06/03/24	3465.21	49.19	-	46.50	0.00	3418.71
RW - 2	Manny	09/26/24	3465.21	48.22	-	46.74	0.00	3418.47
RW - 2	Manny	11/05/24	3465.21	49.14	-	46.75	0.00	3418.46

Notes:

1. BTOC = Below Top-of-Casing.
2. Elevation based on North American Vertical Datum of 1929.
3. PSH = Phase Separated Hydrocarbons.
4. '-' = No gauging data collected on corresponding date.
5. P&A = Plugged and Abandoned.
6. Elevations of the potentiometric surface were calculated using a PSH specific gravity of 0.85 gram/cubic centimeter (g/cc).

TABLE 2

2024 CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 2	03/19/24	0.0527	0.0282	0.0302	0.1062
MW - 2	06/04/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 2	09/26/24	0.0341	0.0029	0.00617	0.00950
MW - 2	11/02/24	0.0256	0.0118	0.00958	0.0389
MW - 3	03/19/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 3	06/04/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 3	09/26/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 3	11/06/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 4	03/19/24	NS	-	-	-
MW - 4	06/04/24	NS	-	-	-
MW - 4	09/26/24	NS	-	-	-
MW - 4	11/07/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 5	03/19/24	NS	-	-	-
MW - 5	06/04/24	NS	-	-	-
MW - 5	09/26/24	NS	-	-	-
MW - 5	11/07/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 6	03/19/24	0.305	0.0377	0.817	0.825
MW - 6	06/04/24	0.251	0.00608	0.966	0.5096
MW - 6	09/26/24	0.267	0.00333	0.956	0.7253
MW - 6	11/06/24	0.232	0.00286	0.431	0.3316
MW - 8	03/19/24	NS	-	-	-
MW - 8	06/04/24	NS	-	-	-
MW - 8	09/26/24	NS	-	-	-
MW - 8	11/07/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 9	03/19/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 9	06/04/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 9	09/26/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 9	11/06/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 12	03/19/24	NS	-	-	-
MW - 12	06/04/24	NS	-	-	-
MW - 12	09/26/24	NS	-	-	-
MW - 12	11/07/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 13	03/19/24	NS	-	-	-
MW - 13	06/04/24	NS	-	-	-
MW - 13	09/26/24	NS	-	-	-
MW - 13	11/07/24	<0.00100	<0.00100	<0.00100	<0.00200

TABLE 2

2024 CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 14	03/19/24	NS	-	-	-
MW - 14	06/04/24	NS	-	-	-
MW - 14	09/26/24	NS	-	-	-
MW - 14	11/07/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 15	03/19/24	NS	-	-	-
MW - 15	06/04/24	NS	-	-	-
MW - 15	09/26/24	NS	-	-	-
MW - 15	11/07/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 16	03/19/24	DRY	-	-	-
MW - 16	06/04/24	DRY	-	-	-
MW - 16	09/26/24	DRY	-	-	-
MW - 16	11/06/24	DRY	-	-	-
MW - 17	03/19/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 17	06/04/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 17	09/26/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 17	11/06/24	<0.00100	<0.00100	<0.00100	<0.00200
RW - 1	03/19/24	0.00144	<0.00100	<0.00100	<0.00200
RW - 1	06/04/24	<0.00100	<0.00100	<0.00100	<0.00200
RW - 1	09/27/24	<0.00100	<0.00100	<0.00100	<0.00200
RW - 1	11/07/24	0.00756	<0.00100	<0.00100	0.00291
RW - 2	03/19/24	<0.00100	<0.00100	<0.00100	<0.00200
RW - 2	06/04/24	0.0119	0.00370	0.00327	0.00947
RW - 2	09/26/24	<0.00100	<0.00100	<0.00100	<0.00200
RW - 2	11/06/24	<0.00100	<0.00100	<0.00100	<0.00200

Notes:

1. Benzene, toluene, ethylbenzene, and total xylenes (BTEX) analysis by Environmental Protection Agency (EPA) Method SW846-8021B.
2. All reported concentrations are reported as milligrams per liter (mg/L).
3. Bold font indicates laboratory results exceeding NMWQCC Human Health Standards.
4. < - Not detected above the Sample Detection Limit.
5. NS - Not sampled.
6. ' - No data available for corresponding date.
7. PSH - Phase Separated Hydrocarbons.
8. P&A - Plugged and abandoned.

TABLE 3

2024 POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
HDO-90-23
SRS NO. HDO 90-23
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109726199

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	11/05/24	PSH																		
MW-3	11/05/24	NS																		
MW-4	11/05/24	NS																		
MW-5	11/05/24	NS																		
MW-6	11/05/24	PSH.																		
MW-8	11/05/24	NS																		
MW-9	11/05/24	NS																		
MW-12	11/05/24	NS																		
MW-13	11/05/24	NS																		
MW-14	11/05/24	NS																		
MW-15	11/05/24	NS																		
MW-16	11/05/24	NS																		
MW-17	11/05/24	NS																		

TABLE 3

2024 POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
HDO-90-23
SRS NO. HDO 90-23
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109726199

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenzo[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		---	---	0.001 mg/L	0.0001 mg/L	0.0007 mg/L	0.001 mg/L	---	0.001 mg/L	0.0002 mg/L	0.0003 mg/L	0.001 mg/L	0.001 mg/L	0.0004 mg/L	0.001 mg/L	0.001 mg/L	0.03 mg/L			---
RW-1	11/05/24	NS																		
RW-2	11/05/24	NS																		

- Notes:
- 1. Polynuclear Aromatic Hydrocarbon (PAH) analysis by Environmental Protection Agency (EPA) Method SW846-8270C, 3510.
 - 2. All reported concentrations are reported as milligrams per liter (mg/L).
 - 3. Bold font indicates laboratory results exceeding NMWQCC Drinking Water Standards.
 - 4. < - Not detected above the Sample Detection Limit.
 - 5. NS - Not sampled.
 - 6. PSH - Phase Separated Hydrocarbons.
 - 7. P&A - Plugged and abandoned.

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

HDO 90 - 23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 1		03/08/00	3,465.61	-	-	46.16	0.00	3,419.45
MW - 1		05/12/00	3,465.61	-	-	46.13	0.00	3,419.48
MW - 1		09/11/00	3,465.61	-	-	46.18	0.00	3,419.43
MW - 1		12/11/00	3,465.61	-	-	46.23	0.00	3,419.38
MW - 1		03/19/01	3,465.61	-	-	46.16	0.00	3,419.45
MW - 1		05/30/01	3,465.61	-	-	46.13	0.00	3,419.48
MW - 1		09/25/01	3,465.61	-	-	46.37	0.00	3,419.24
MW - 1		11/20/01	3,465.61	-	-	46.38	0.00	3,419.23
MW - 1		02/20/02	3,465.61	-	-	46.34	0.00	3,419.27
MW - 1		06/25/02	3,465.61	-	-	46.37	0.00	3,419.24
MW - 1		09/17/02	3,465.61	-	-	46.36	0.00	3,419.25
MW - 1		11/20/02	3,465.61	-	-	46.38	0.00	3,419.23
MW - 1		01/21/03	3,465.61	-	-	46.26	0.00	3,419.35
MW - 1		02/10/03	3,465.61	-	-	46.24	0.00	3,419.37
MW - 1		05/15/03	3,465.61	-	-	46.27	0.00	3,419.34
MW - 1		08/26/03	3,465.61	-	-	46.45	0.00	3,419.16
MW - 1		11/24/03	3,465.61	-	-	46.50	0.00	3,419.11
MW - 1		05/12/04	3,465.61	-	-	46.26	0.00	3,419.35
MW - 1		07/13/04	3,465.61	-	47.84	48.23	0.39	3,417.71
MW - 1		07/21/04	3,465.61	-	47.44	47.80	0.36	3,418.12
MW - 1		08/23/04	3,465.61	-	-	45.74	0.00	3,419.87
MW - 1		12/07/04	3,465.61	-	-	45.26	0.00	3,420.35
MW - 1		03/09/05	3,465.61	-	-	45.33	0.00	3,420.28
MW - 1		06/09/05	3,465.61	-	-	45.34	0.00	3,420.27
MW - 1		08/09/05	3,465.61	-	-	45.28	0.00	3,420.33
MW - 1		09/01/05	3,465.61	-	-	45.19	0.00	3,420.42
MW - 1		09/08/05	3,465.61	-	-	45.22	0.00	3,420.39
MW - 1		09/13/05	P&A	-	-	-	-	-
MW - 2		03/08/00	3,465.44	-	46.19	46.39	0.20	3,419.22
MW - 2		05/12/00	3,465.44	-	46.22	46.32	0.10	3,419.21
MW - 2		09/11/00	3,465.44	-	46.21	46.30	0.09	3,419.22
MW - 2		12/11/00	3,465.44	-	46.06	47.88	1.82	3,419.11
MW - 2		03/19/01	3,465.44	-	46.19	46.39	0.20	3,419.22
MW - 2		05/30/01	3,465.44	-	46.31	46.35	0.04	3,419.12
MW - 2		09/25/01	3,465.44	-	46.14	46.34	0.20	3,419.27
MW - 2		11/20/01	3,465.44	-	46.44	46.65	0.21	3,418.97
MW - 2		02/20/02	3,465.44	-	46.43	46.68	0.25	3,418.97
MW - 2		06/25/02	3,465.44	-	46.28	47.90	1.62	3,418.92
MW - 2		09/17/02	3,465.44	-	46.19	48.35	2.16	3,418.93
MW - 2		11/07/02	3,465.44	-	46.53	46.53	0.00	3,418.91
MW - 2		11/20/02	3,465.44	-	46.38	46.57	0.19	3,419.03
MW - 2		01/07/03	3,465.44	-	46.41	46.56	0.15	3,419.01
MW - 2		01/13/03	3,465.44	-	46.41	46.42	0.01	3,419.03
MW - 2		01/21/03	3,465.44	-	46.37	46.43	0.06	3,419.06
MW - 2		01/27/03	3,465.44	-	46.34	46.40	0.06	3,419.09
MW - 2		02/10/03	3,465.44	-	46.40	46.48	0.08	3,419.03
MW - 2		02/19/03	3,465.44	-	46.27	46.51	0.24	3,419.13
MW - 2		02/26/03	3,465.44	-	46.30	46.36	0.06	3,419.13
MW - 2		03/05/03	3,465.44	-	46.26	46.57	0.31	3,419.13
MW - 2		03/20/03	3,465.44	-	46.40	46.74	0.34	3,418.99
MW - 2		03/25/03	3,465.44	-	46.35	46.70	0.35	3,419.04
MW - 2		04/03/03	3,465.44	-	46.30	46.71	0.41	3,419.08
MW - 2		04/16/03	3,465.44	-	46.39	46.71	0.32	3,419.00
MW - 2		05/08/03	3,465.44	-	46.44	46.87	0.43	3,418.94
MW - 2		05/15/03	3,465.44	-	46.32	46.96	0.64	3,419.02
MW - 2		05/20/03	3,465.44	-	46.43	47.11	0.68	3,418.91
MW - 2		05/27/03	3,465.44	-	46.54	46.61	0.07	3,418.89
MW - 2		06/03/03	3,465.44	-	46.50	46.54	0.04	3,418.93
MW - 2		06/05/03	3,465.44	-	46.43	46.46	0.03	3,419.01
MW - 2		06/25/03	3,465.44	-	46.67	46.69	0.02	3,418.77
MW - 2		07/02/03	3,465.44	-	46.41	46.74	0.33	3,418.98
MW - 2		07/07/03	3,465.44	-	46.70	46.72	0.02	3,418.74
MW - 2		07/30/03	3,465.44	-	46.53	46.58	0.05	3,418.90
MW - 2		08/04/03	3,465.44	-	46.80	46.93	0.13	3,418.62
MW - 2		08/13/03	3,465.44	-	46.81	46.97	0.16	3,418.61
MW - 2		08/20/03	3,465.44	-	46.86	47.02	0.16	3,418.56

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
SRS NO. HDO 90-23
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 2		08/26/03	3,465.44	-	46.83	47.07	0.24	3,418.57
MW - 2		09/08/03	3,465.44	-	-	46.90	0.00	3,418.54
MW - 2		09/15/03	3,465.44	-	-	46.88	0.00	3,418.56
MW - 2		09/24/03	3,465.44	-	-	46.92	0.00	3,418.52
MW - 2		09/30/03	3,465.44	-	-	46.60	0.00	3,418.84
MW - 2		10/07/03	3,465.44	-	46.73	46.74	0.01	3,418.71
MW - 2		10/14/03	3,465.44	-	-	46.93	0.00	3,418.51
MW - 2		10/21/03	3,465.44	-	46.91	46.92	0.01	3,418.53
MW - 2		10/27/03	3,465.44	-	-	46.93	0.00	3,418.51
MW - 2		11/06/03	3,465.44	-	-	47.01	0.00	3,418.43
MW - 2		11/10/03	3,465.44	-	-	47.12	0.00	3,418.32
MW - 2		11/17/03	3,465.44	-	-	46.78	0.00	3,418.66
MW - 2		11/24/03	3,465.44	-	-	46.76	0.00	3,418.68
MW - 2		12/08/03	3,465.44	-	-	46.72	0.00	3,418.72
MW - 2		01/02/04	3,465.44	-	-	46.64	0.00	3,418.80
MW - 2		01/06/04	3,465.44	-	-	46.65	0.00	3,418.79
MW - 2		01/27/04	3,465.44	-	-	47.09	0.00	3,418.35
MW - 2		02/02/04	3,465.44	-	-	47.13	0.00	3,418.31
MW - 2		02/18/04	3,465.44	-	46.62	46.74	0.12	3,418.80
MW - 2		02/23/04	3,465.44	-	46.66	46.68	0.02	3,418.78
MW - 2		03/01/04	3,465.44	-	-	46.67	0.00	3,418.77
MW - 2		03/10/04	3,465.44	-	-	46.65	0.00	3,418.79
MW - 2		03/15/04	3,465.44	-	46.62	46.66	0.04	3,418.81
MW - 2		03/23/04	3,465.44	-	47.07	47.14	0.07	3,418.36
MW - 2		03/30/04	3,465.44	-	47.09	47.17	0.08	3,418.34
MW - 2		04/07/04	3,465.44	-	47.09	47.15	0.06	3,418.34
MW - 2		04/12/04	3,465.44	-	47.06	47.15	0.09	3,418.37
MW - 2		04/15/04	3,465.44	-	-	46.99	0.00	3,418.45
MW - 2		04/19/04	3,465.44	-	-	46.46	0.00	3,418.98
MW - 2		05/03/04	3,465.44	-	-	46.65	0.00	3,418.79
MW - 2		05/11/04	3,465.44	-	-	46.76	0.00	3,418.68
MW - 2		05/12/04	3,465.44	-	-	46.35	0.00	3,419.09
MW - 2		06/09/04	3,465.44	-	46.30	46.37	0.07	3,419.13
MW - 2		06/16/04	3,465.44	-	46.32	46.36	0.04	3,419.11
MW - 2		06/22/04	3,465.44	-	46.27	46.56	0.29	3,419.13
MW - 2		07/13/04	3,465.44	-	46.26	46.56	0.30	3,419.14
MW - 2		07/21/04	3,465.44	-	45.69	46.05	0.36	3,419.70
MW - 2		08/11/04	3,465.44	-	45.73	46.00	0.27	3,419.67
MW - 2		08/17/04	3,465.44	-	45.74	46.18	0.44	3,419.63
MW - 2		08/23/04	3,465.44	-	45.81	45.85	0.04	3,419.62
MW - 2		09/13/04	3,465.44	-	45.99	46.00	0.01	3,419.45
MW - 2		09/20/04	3,465.44	-	45.86	45.93	0.07	3,419.57
MW - 2		09/29/04	3,465.44	-	46.02	46.07	0.05	3,419.41
MW - 2		10/04/04	3,465.44	-	45.96	45.98	0.02	3,419.48
MW - 2		10/12/04	3,465.44	-	44.70	44.77	0.07	3,420.73
MW - 2		10/19/04	3,465.44	-	sheen	44.84	0.00	3,420.60
MW - 2		10/25/04	3,465.44	-	sheen	44.92	0.00	3,420.52
MW - 2		11/01/04	3,465.44	-	sheen	45.20	0.00	3,420.24
MW - 2		11/09/04	3,465.44	-	sheen	45.17	0.00	3,420.27
MW - 2		11/17/04	3,465.44	-	sheen	45.30	0.00	3,420.14
MW - 2		11/29/04	3,465.44	-	sheen	45.26	0.00	3,420.18
MW - 2		12/07/04	3,465.44	-	sheen	45.25	0.00	3,420.19
MW - 2		12/13/04	3,465.44	-	sheen	45.30	0.00	3,420.14
MW - 2		12/20/04	3,465.44	-	sheen	45.29	0.00	3,420.15
MW - 2		12/30/04	3,465.44	-	sheen	45.36	0.00	3,420.08
MW - 2		01/03/05	3,465.44	-	sheen	45.33	0.00	3,420.11
MW - 2		01/10/05	3,465.44	-	sheen	45.20	0.00	3,420.24
MW - 2		01/17/05	3,465.44	-	sheen	45.40	0.00	3,420.04
MW - 2		01/24/05	3,465.44	-	sheen	45.36	0.00	3,420.08
MW - 2		01/31/05	3,465.44	-	sheen	45.40	0.00	3,420.04
MW - 2		02/07/05	3,465.44	-	sheen	45.36	0.00	3,420.08
MW - 2		02/14/05	3,465.44	-	sheen	45.36	0.00	3,420.08
MW - 2		02/21/05	3,465.44	-	sheen	45.40	0.00	3,420.04
MW - 2		02/28/05	3,465.44	-	sheen	45.44	0.00	3,420.00
MW - 2		03/07/05	3,465.44	-	sheen	45.44	0.00	3,420.00
MW - 2		03/09/05	3,465.44	-	sheen	45.44	0.00	3,420.00
MW - 2		03/16/05	3,465.44	-	sheen	45.44	0.00	3,420.00

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

HDO 90 - 23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 2		03/21/05	3,465.44	-	sheen	45.46	0.00	3,419.98
MW - 2		03/28/05	3,465.44	-	sheen	45.45	0.00	3,419.99
MW - 2		04/04/05	3,465.44	-	sheen	45.42	0.00	3,420.02
MW - 2		04/13/05	3,465.44	-	sheen	45.48	0.00	3,419.96
MW - 2		04/18/05	3,465.44	-	sheen	45.41	0.00	3,420.03
MW - 2		05/23/05	3,465.44	-	sheen	45.41	0.00	3,420.03
MW - 2		06/09/05	3,465.44	-	45.43	45.45	0.02	3,420.01
MW - 2		06/21/05	3,465.44	-	sheen	45.47	0.00	3,419.97
MW - 2		07/14/05	3,465.44	-	45.47	45.51	0.04	3,419.96
MW - 2		07/26/05	3,465.44	-	sheen	45.51	0.00	3,419.93
MW - 2		08/09/05	3,465.44	-	sheen	45.11	0.00	3,420.33
MW - 2		08/25/05	3,465.44	-	sheen	45.02	0.00	3,420.42
MW - 2		09/01/05	3,465.44	-	44.99	45.00	0.01	3,420.45
MW - 2		09/08/05	3,465.44	-	45.09	45.11	0.02	3,420.35
MW - 2		09/13/05	3,465.44	-	45.11	45.13	0.02	3,420.33
MW - 2		09/26/05	3,465.44	-	45.25	45.29	0.04	3,420.18
MW - 2		10/11/05	3,465.44	-	45.31	45.36	0.05	3,420.12
MW - 2		10/25/05	3,465.44	-	45.25	45.27	0.02	3,420.19
MW - 2		11/10/05	3,465.44	-	45.30	45.34	0.04	3,420.13
MW - 2		11/14/05	3,465.44	-	45.32	45.37	0.05	3,420.11
MW - 2		12/01/05	3,465.44	-	45.35	45.41	0.06	3,420.08
MW - 2		12/28/05	3,465.44	-	45.42	45.51	0.09	3,420.01
MW - 2		01/11/06	3,465.44	-	45.42	45.50	0.08	3,420.01
MW - 2		01/25/06	3,465.44	-	45.49	45.54	0.05	3,419.94
MW - 2		02/08/06	3,465.44	-	45.44	45.50	0.06	3,419.99
MW - 2		02/23/06	3,465.44	-	45.47	45.50	0.03	3,419.97
MW - 2		03/07/06	3,465.44	-	45.43	45.44	0.01	3,420.01
MW - 2		03/08/06	3,465.44	-	sheen	45.44	0.00	3,420.00
MW - 2		03/20/06	3,465.44	-	sheen	45.47	0.00	3,419.97
MW - 2		03/30/06	3,465.44	-	45.44	45.48	0.04	3,419.99
MW - 2		05/03/06	3,465.44	-	45.47	45.55	0.08	3,419.96
MW - 2		06/01/06	3,465.44	-	45.50	45.61	0.11	3,419.92
MW - 2		06/06/06	3,465.44	-	45.57	45.59	0.02	3,419.87
MW - 2		06/14/06	3,465.44	-	45.50	45.64	0.14	3,419.92
MW - 2		06/29/06	3,465.44	-	45.54	45.58	0.04	3,419.89
MW - 2		07/13/06	3,465.44	-	45.53	45.54	0.01	3,419.91
MW - 2		07/27/06	3,465.44	-	45.55	45.59	0.04	3,419.88
MW - 2		08/10/06	3,465.44	-	45.56	45.61	0.05	3,419.87
MW - 2		09/15/06	3,465.44	-	45.43	45.48	0.05	3,420.00
MW - 2		10/03/06	3,465.44	-	45.48	45.51	0.03	3,419.96
MW - 2		11/20/06	3,465.44	-	46.52	46.68	0.16	3,418.90
MW - 2		01/11/07	3,465.44	-	45.55	45.76	0.21	3,419.86
MW - 2		02/15/07	3,465.44	-	45.54	45.73	0.19	3,419.87
MW - 2		02/23/07	3,465.44	-	45.48	45.62	0.14	3,419.94
MW - 2		03/08/07	3,465.44	-	45.54	45.74	0.20	3,419.87
MW - 2		03/28/07	3,465.44	-	45.54	45.67	0.13	3,419.88
MW - 2		04/25/07	3,465.44	-	45.54	45.62	0.08	3,419.89
MW - 2		05/04/07	3,465.44	-	45.52	45.62	0.10	3,419.91
MW - 2		05/18/07	3,465.44	-	45.46	45.54	0.08	3,419.97
MW - 2		06/14/07	3,465.44	-	45.44	45.62	0.18	3,419.97
MW - 2		07/12/07	3,465.44	-	45.45	45.62	0.17	3,419.96
MW - 2		08/21/07	3,465.44	-	45.49	45.75	0.26	3,419.91
MW - 2		09/14/07	3,465.44	-	45.55	45.88	0.33	3,419.84
MW - 2		09/26/07	3,465.44	-	45.56	45.78	0.22	3,419.85
MW - 2		10/03/07	3,465.44	-	45.57	45.70	0.13	3,419.85
MW - 2		10/10/07	3,465.44	-	45.55	45.67	0.12	3,419.87
MW - 2		10/17/07	3,465.44	-	45.55	45.62	0.07	3,419.88
MW - 2		11/05/07	3,465.44	-	sheen	45.61	0.00	3,419.83
MW - 2		11/07/07	3,465.44	-	sheen	45.61	0.00	3,419.83
MW - 2		12/18/07	3,465.44	-	sheen	45.62	0.00	3,419.82
MW - 2		02/08/08	3,465.44	-	-	45.56	0.00	3,419.88
MW - 2		02/15/08	3,465.44	-	-	45.53	0.00	3,419.91
MW - 2		02/22/08	3,465.44	-	-	45.56	0.00	3,419.88
MW - 2		04/04/08	3,465.44	-	-	45.56	0.00	3,419.88
MW - 2		05/08/08	3,465.44	-	-	46.51	0.00	3,418.93
MW - 2		05/16/08	3,465.44	-	-	45.55	0.00	3,419.89
MW - 2		06/05/08	3,465.44	-	-	45.52	0.00	3,419.92

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
SRS NO. HDO 90-23
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 2		06/27/08	3,465.44	-	-	45.67	0.00	3,419.77
MW - 2		07/15/08	3,465.44	-	-	45.68	0.00	3,419.76
MW - 2		08/12/08	3,465.44	-	-	45.72	0.00	3,419.72
MW - 2		08/13/08	3,465.44	-	-	45.72	0.00	3,419.72
MW - 2		09/25/08	3,465.44	-	-	45.72	0.00	3,419.72
MW - 2		09/30/08	3,465.44	-	45.69	45.70	0.01	3,419.75
MW - 2		10/08/08	3,465.44	-	-	45.71	0.00	3,419.73
MW - 2		10/24/08	3,465.44	-	-	45.70	0.00	3,419.74
MW - 2		11/06/08	3,465.44	-	-	45.72	0.00	3,419.72
MW - 2		11/08/08	3,465.44	-	-	45.70	0.00	3,419.74
MW - 2		12/17/08	3,465.44	-	-	45.78	0.00	3,419.66
MW - 2		12/17/08	3,465.44	-	-	45.71	0.00	3,419.73
MW - 2		01/07/09	3,465.44	-	-	45.79	0.00	3,419.65
MW - 2		01/22/09	3,465.44	-	-	45.74	0.00	3,419.70
MW - 2		01/26/09	3,465.44	-	-	45.72	0.00	3,419.72
MW - 2		02/05/09	3,465.44	-	-	45.73	0.00	3,419.71
MW - 2		02/13/09	3,465.44	-	-	45.74	0.00	3,419.70
MW - 2		02/27/09	3,465.44	-	-	45.76	0.00	3,419.68
MW - 2		03/03/09	3,465.44	-	-	45.81	0.00	3,419.63
MW - 2		03/10/09	3,465.44	-	-	45.73	0.00	3,419.71
MW - 2		03/18/09	3,465.44	-	-	45.67	0.00	3,419.77
MW - 2		03/27/09	3,465.44	-	-	45.64	0.00	3,419.80
MW - 2		04/02/09	3,465.44	-	-	45.83	0.00	3,419.61
MW - 2		04/07/09	3,465.44	-	-	45.64	0.00	3,419.80
MW - 2		04/14/09	3,465.44	-	-	45.71	0.00	3,419.73
MW - 2		04/28/09	3,465.44	-	-	45.64	0.00	3,419.80
MW - 2		05/07/09	3,465.44	-	-	45.64	0.00	3,419.80
MW - 2		05/08/09	3,465.44	-	-	45.64	0.00	3,419.80
MW - 2		06/02/09	3,465.44	-	-	45.68	0.00	3,419.76
MW - 2		06/11/09	3,465.44	-	-	45.64	0.00	3,419.80
MW - 2		06/16/09	3,465.44	-	-	45.56	0.00	3,419.88
MW - 2		06/26/09	3,465.44	-	-	45.66	0.00	3,419.78
MW - 2		06/30/09	3,465.44	-	-	45.57	0.00	3,419.87
MW - 2		07/07/09	3,465.44	-	-	45.65	0.00	3,419.79
MW - 2		07/15/09	3,465.44	-	-	45.78	0.00	3,419.66
MW - 2		07/21/09	3,465.44	-	-	45.75	0.00	3,419.69
MW - 2		07/28/09	3,465.44	-	-	45.63	0.00	3,419.81
MW - 2		07/31/09	3,465.44	-	-	45.71	0.00	3,419.73
MW - 2		08/05/09	3,465.44	-	-	45.69	0.00	3,419.75
MW - 2		08/06/09	3,465.44	-	-	45.64	0.00	3,419.80
MW - 2		08/13/09	3,465.44	-	-	45.65	0.00	3,419.79
MW - 2		08/19/09	3,465.44	-	sheen	45.68	0.00	3,419.76
MW - 2		08/25/09	3,465.44	-	sheen	45.74	0.00	3,419.70
MW - 2		09/01/09	3,465.44	-	sheen	45.75	0.00	3,419.69
MW - 2		09/08/09	3,465.44	-	sheen	45.64	0.00	3,419.80
MW - 2		09/15/09	3,465.44	-	sheen	45.65	0.00	3,419.79
MW - 2		09/25/09	3,465.44	-	sheen	45.78	0.00	3,419.66
MW - 2		09/28/09	3,465.44	-	sheen	45.74	0.00	3,419.70
MW - 2		10/02/09	3,465.44	-	sheen	45.75	0.00	3,419.69
MW - 2		10/05/09	3,465.44	-	-	45.85	0.00	3,419.59
MW - 2		10/09/09	3,465.44	-	sheen	45.82	0.00	3,419.62
MW - 2		10/12/09	3,465.44	-	-	45.74	0.00	3,419.70
MW - 2		10/22/09	3,465.44	-	sheen	45.84	0.00	3,419.60
MW - 2		10/29/09	3,465.44	-	sheen	45.80	0.00	3,419.64
MW - 2		11/06/09	3,465.44	-	sheen	45.80	0.00	3,419.64
MW - 2		11/16/09	3,465.44	-	sheen	45.99	0.00	3,419.45
MW - 2		11/25/09	3,465.44	-	sheen	45.81	0.00	3,419.63
MW - 2		12/11/09	3,465.44	-	sheen	45.82	0.00	3,419.62
MW - 2		12/22/09	3,465.44	-	sheen	45.66	0.00	3,419.78
MW - 2		01/06/09	3,465.44	-	sheen	45.82	0.00	3,419.62
MW - 2		01/20/10	3,465.44	-	sheen	45.77	0.00	3,419.67
MW - 2		02/08/10	3,465.44	-	45.85	45.87	0.02	3,419.59
MW - 2		03/03/10	3,465.44	-	45.75	45.97	0.22	3,419.66
MW - 2		03/16/10	3,465.44	-	45.72	45.99	0.27	3,419.68
MW - 2		03/23/10	3,465.44	-	45.74	45.97	0.23	3,419.67
MW - 2		04/05/10	3,465.44	-	45.67	45.93	0.26	3,419.73
MW - 2		04/15/10	3,465.44	-	45.74	46.12	0.38	3,419.64

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

HDO 90 - 23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 2		05/11/10	3,465.44	-	45.71	46.15	0.44	3,419.66
MW - 2		05/26/10	3,465.44	-	45.72	46.08	0.36	3,419.67
MW - 2		06/08/10	3,465.44	-	45.7	46.19	0.49	3,419.67
MW - 2		06/16/10	3,465.44	-	45.75	46.00	0.25	3,419.65
MW - 2		06/25/10	3,465.44	-	45.78	45.90	0.12	3,419.64
MW - 2		07/08/10	3,465.44	-	45.79	46.15	0.36	3,419.60
MW - 2		07/13/10	3,465.44	-	45.54	45.90	0.36	3,419.85
MW - 2		07/28/10	3,465.44	-	45.55	46.06	0.51	3,419.81
MW - 2		08/04/10	3,465.44	-	45.52	46.06	0.54	3,419.84
MW - 2		08/10/10	3,465.44	-	45.79	45.89	0.10	3,419.64
MW - 2		08/19/10	3,465.44	-	45.66	46.14	0.48	3,419.71
MW - 2		08/27/10	3,465.44	-	45.71	45.99	0.28	3,419.69
MW - 2		09/03/10	3,465.44	-	45.77	45.86	0.09	3,419.66
MW - 2		09/09/10	3,465.44	-	45.8	45.88	0.08	3,419.63
MW - 2		09/17/10	3,465.44	-	45.56	46.03	0.47	3,419.81
MW - 2		10/01/10	3,465.44	-	45.82	45.89	0.07	3,419.61
MW - 2		10/06/10	3,465.44	-	45.84	45.89	0.05	3,419.59
MW - 2		10/13/10	3,465.44	-	45.76	46.21	0.45	3,419.61
MW - 2		10/26/10	3,465.44	-	45.86	45.90	0.04	3,419.57
MW - 2		11/05/10	3,465.44	-	45.75	46.17	0.42	3,419.63
MW - 2		11/09/10	3,465.44	-	45.84	45.91	0.07	3,419.59
MW - 2		11/12/10	3,465.44	-	45.96	46.21	0.25	3,419.44
MW - 2		12/10/10	3,465.44	-	45.83	46.22	0.39	3,419.55
MW - 2		12/13/10	3,465.44	-	45.83	45.90	0.07	3,419.60
MW - 2		01/27/11	3,465.44	-	45.82	45.93	0.11	3,419.60
MW - 2		02/15/11	3,465.44	-	45.86	45.94	0.08	3,419.57
MW - 2		05/05/11	3,465.44	-	45.84	45.96	0.12	3,419.58
MW - 2		05/12/11	3,465.44	-	45.68	47.35	1.67	3,419.51
MW - 2		05/16/11	3,465.44	-	45.79	47.54	1.75	3,419.39
MW - 2		05/26/11	3,465.44	-	45.82	47.60	1.78	3,419.35
MW - 2		06/09/11	3,465.44	-	45.79	46.71	0.92	3,419.51
MW - 2		06/29/11	3,465.44	-	45.83	46.99	1.16	3,419.44
MW - 2		07/05/11	3,465.44	-	45.9	46.82	0.92	3,419.40
MW - 2		07/15/11	3,465.44	-	45.89	46.66	0.77	3,419.43
MW - 2		07/22/11	3,465.44	-	45.92	46.52	0.60	3,419.43
MW - 2		07/28/11	3,465.44	-	45.89	46.60	0.71	3,419.44
MW - 2		08/04/11	3,465.44	-	45.94	46.49	0.55	3,419.42
MW - 2		08/11/11	3,465.44	-	45.96	46.36	0.40	3,419.42
MW - 2		08/24/11	3,465.44	-	45.99	46.35	0.36	3,419.40
MW - 2		09/02/11	3,465.44	-	46.03	46.32	0.29	3,419.37
MW - 2		09/07/11	3,465.44	-	46.01	46.35	0.34	3,419.38
MW - 2		09/09/11	3,465.44	-	46.01	46.35	0.34	3,419.38
MW - 2		09/23/11	3,465.44	-	46.02	46.38	0.36	3,419.37
MW - 2		11/21/11	3,465.44	-	45.99	46.44	0.45	3,419.38
MW - 2		11/28/11	3,465.44	-	46.03	46.56	0.53	3,419.33
MW - 2		12/09/11	3,465.44	-	46.01	46.57	0.56	3,419.35
MW - 2		12/21/11	3,465.44	-	46.02	46.43	0.41	3,419.36
MW - 2		01/26/12	3,465.44	-	45.9	46.49	0.59	3,419.45
MW - 2		02/02/12	3,465.44	-	45.89	46.55	0.66	3,419.45
MW - 2		02/07/12	3,465.44	-	45.93	46.26	0.33	3,419.46
MW - 2		02/13/12	3,465.44	-	45.91	46.30	0.39	3,419.47
MW - 2		03/07/12	3,465.44	-	45.88	46.32	0.44	3,419.49
MW - 2		03/23/12	3,465.44	-	45.92	46.20	0.28	3,419.48
MW - 2		03/30/12	3,465.44	-	45.88	46.09	0.21	3,419.53
MW - 2		04/05/12	3,465.44	-	45.88	46.07	0.19	3,419.53
MW - 2		04/13/12	3,465.44	-	45.9	46.09	0.19	3,419.51
MW - 2		04/26/12	3,465.44	-	45.87	46.10	0.23	3,419.54
MW - 2		05/03/12	3,465.44	-	45.86	46.03	0.17	3,419.55
MW - 2		05/07/12	3,465.44	-	45.87	46.02	0.15	3,419.55
MW - 2		05/29/12	3,465.44	-	45.86	46.17	0.31	3,419.53
MW - 2		06/08/12	3,465.44	-	45.85	46.30	0.45	3,419.52
MW - 2		06/15/12	3,465.44	-	45.87	46.32	0.45	3,419.50
MW - 2		06/22/12	3,465.44	-	45.85	46.47	0.62	3,419.50
MW - 2		06/29/12	3,465.44	-	45.89	46.34	0.45	3,419.48
MW - 2		07/03/12	3,465.44	-	45.87	46.34	0.47	3,419.50
MW - 2		08/10/12	3,465.44	-	46.01	46.02	0.01	3,419.43
MW - 2		08/16/12	3,465.44	-	46.02	46.03	0.01	3,419.42

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

HDO 90 - 23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 2		09/12/12	3,465.44	-	46.03	46.40	0.37	3,419.35
MW - 2		10/12/12	3,465.44	-	46.03	46.47	0.44	3,419.34
MW - 2		10/17/12	3,465.44	-	45.99	46.49	0.50	3,419.38
MW - 2		10/24/12	3,465.44	-	46.03	46.42	0.39	3,419.35
MW - 2		11/06/12	3,465.44	-	46.02	46.33	0.31	3,419.37
MW - 2		12/14/12	3,465.44	-	45.98	46.27	0.29	3,419.42
MW - 2		12/21/12	3,465.44	-	46.04	46.36	0.32	3,419.35
MW - 2		02/06/13	3,465.44	-	45.92	46.49	0.57	3,419.43
MW - 2		02/20/13	3,465.44	-	45.91	46.52	0.61	3,419.44
MW - 2		03/29/13	3,465.44	-	45.92	46.57	0.65	3,419.42
MW - 2		04/03/13	3,465.44	-	45.92	46.45	0.53	3,419.44
MW - 2		04/09/13	3,465.44	-	45.92	46.38	0.46	3,419.45
MW - 2		04/19/13	3,465.44	-	45.98	46.38	0.40	3,419.40
MW - 2		04/24/13	3,465.44	-	45.99	46.08	0.09	3,419.44
MW - 2		05/02/13	3,465.44	-	46.02	46.23	0.21	3,419.39
MW - 2		05/08/13	3,465.44	-	45.97	46.01	0.04	3,419.46
MW - 2		05/10/13	3,465.44	-	45.97	46.03	0.06	3,419.46
MW - 2		05/17/13	3,465.44	-	45.96	46.01	0.05	3,419.47
MW - 2		05/22/13	3,465.44	-	45.97	46.06	0.09	3,419.46
MW - 2		05/30/13	3,465.44	-	45.95	46.01	0.06	3,419.48
MW - 2		06/05/13	3,465.44	-	45.94	46.01	0.07	3,419.49
MW - 2		06/12/13	3,465.44	-	45.98	46.02	0.04	3,419.45
MW - 2		06/18/13	3,465.44	-	45.98	46.00	0.02	3,419.46
MW - 2		06/25/13	3,465.44	-	45.98	46.01	0.03	3,419.46
MW - 2		07/02/13	3,465.44	-	46.04	46.09	0.05	3,419.39
MW - 2		07/09/13	3,465.44	-	46.03	46.06	0.03	3,419.41
MW - 2		07/26/13	3,465.44	-	46.04	46.27	0.23	3,419.37
MW - 2		07/29/13	3,465.44	-	46.05	46.11	0.06	3,419.38
MW - 2		08/01/13	3,465.44	-	46.02	46.12	0.10	3,419.41
MW - 2		08/06/13	3,465.44	-	46.05	46.10	0.05	3,419.38
MW - 2		08/15/13	3,465.44	-	46.07	46.27	0.20	3,419.34
MW - 2		08/20/13	3,465.44	-	46.07	46.28	0.21	3,419.34
MW - 2		09/12/13	3,465.44	-	46.1	46.34	0.24	3,419.30
MW - 2		09/19/13	3,465.44	-	46.12	46.30	0.18	3,419.29
MW - 2		09/25/13	3,465.44	-	46.09	46.25	0.16	3,419.33
MW - 2		10/01/13	3,465.44	-	46.12	46.31	0.19	3,419.29
MW - 2		10/09/13	3,465.44	-	46.12	46.27	0.15	3,419.30
MW - 2		10/24/13	3,465.44	-	45.97	46.08	0.11	3,419.45
MW - 2		10/29/13	3,465.44	-	45.99	46.01	0.02	3,419.45
MW - 2		11/04/13	3,465.44	-	46	46.02	0.02	3,419.44
MW - 2		11/05/13	3,465.44	-	46.02	46.03	0.01	3,419.42
MW - 2		12/02/13	3,465.44	-	46.01	46.31	0.30	3,419.39
MW - 2		12/10/13	3,465.44	-	46.02	46.28	0.26	3,419.38
MW - 2		12/17/13	3,465.44	-	46.04	46.33	0.29	3,419.36
MW - 2		12/23/13	3,465.44	-	46.04	46.25	0.21	3,419.37
MW - 2		01/01/14	3,465.44	-	46.01	46.11	0.10	3,419.42
MW - 2		01/07/14	3,465.44	-	46.00	46.20	0.20	3,419.41
MW - 2		01/16/14	3,465.44	-	46.02	46.28	0.26	3,419.38
MW - 2	David Fletcher	01/23/14	3,465.44	-	46.02	46.31	0.29	3,419.38
MW - 2	John F	01/28/14	3,465.44	-	46.03	46.36	0.33	3,419.36
MW - 2	john	02/11/14	3,465.44	-	46.03	46.33	0.30	3,419.37
MW - 2	John & Jose	02/26/14	3,465.44	-	45.99	46.33	0.34	3,419.40
MW - 2	David F.	03/21/14	3,465.44	-	45.98	46.33	0.35	3,419.41
MW - 2	David & Manny	03/29/14	3,465.44	-	45.96	46.26	0.30	3,419.44
MW - 2	David & Jose	04/10/14	3,465.44	-	45.97	46.23	0.26	3,419.43
MW - 2	David & Jose	04/17/14	3,465.44	-	46.01	46.32	0.31	3,419.38
MW - 2	David & Jose	04/17/14	3,465.44	-	46.03	46.06	0.03	3,419.41
MW - 2	Manny & Justin	04/24/14	3,465.44	-	45.98	46.20	0.22	3,419.43
MW - 2	David	05/01/14	3,465.44	-	46.06	46.09	0.03	3,419.38
MW - 2	Jose	05/06/14	3,465.44	-	45.99	46.09	0.10	3,419.44
MW - 2	David	05/12/14	3,465.44	-	46.04	46.15	0.11	3,419.38
MW - 2	Baer	05/23/14	3,465.44	-	46.01	46.30	0.29	3,419.39
MW - 2	Manny	05/27/14	3,465.44	-	46.01	46.19	0.18	3,419.40
MW - 2	David/Jose	06/05/14	3,465.44	-	46.02	46.25	0.23	3,419.39
MW - 2	Manny	06/26/14	3,465.44	-	46.09	46.30	0.21	3,419.32
MW - 2	David	07/01/14	3,465.44	-	46.18	46.25	0.07	3,419.25
MW - 2	David	07/08/14	3,465.44	-	46.13	46.36	0.23	3,419.28

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

HDO 90 - 23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 2	Manny	07/17/14	3,465.44	-	46.15	46.33	0.18	3,419.26
MW - 2	David	07/23/14	3,465.44	-	46.2	46.28	0.08	3,419.23
MW - 2	David	08/06/14	3,465.44	-	46.18	46.31	0.13	3,419.24
MW - 2	David F.	08/11/14	3,465.44	-	46.23	46.30	0.07	3,419.20
MW - 2	David F.	08/21/14	3,465.44	-	46.22	46.36	0.14	3,419.20
MW - 2	David F.	09/04/14	3,465.44	-	46.20	46.44	0.24	3,419.20
MW - 2	Manny	10/02/14	3,465.44	-	45.24	46.10	0.86	3,420.07
MW - 2	Manny	10/08/14	3,465.44	-	45.40	45.81	0.41	3,419.98
MW - 2	Manny	10/15/14	3,465.44	-	45.54	45.85	0.31	3,419.85
MW - 2	Chance	10/16/14	3,465.44	-	45.57	45.74	0.17	3,419.84
MW - 2	Manny	10/23/14	3,465.44	-	45.62	45.79	0.17	3,419.79
MW - 2	Manny	10/24/14	3,465.44	-	45.62	45.79	0.17	3,419.79
MW - 2	Manny	10/28/14	3,465.44	-	45.67	45.78	0.11	3,419.75
MW - 2	Chance	10/29/14	3,465.44	-	-	-	-	-
MW - 2	Manny	11/07/14	3,465.44	-	45.68	45.81	0.13	3,419.74
MW - 2	Manny	11/15/14	3,465.44	-	45.65	45.77	0.12	3,419.77
MW - 2	Chance	12/11/14	3,465.44	-	45.61	45.76	0.15	3,419.81
MW - 2	Manny	12/18/14	3,465.44	-	45.69	45.86	0.17	3,419.72
MW - 2	Carlos	12/30/14	3,465.44	-	-	-	-	-
MW - 2	Carlos	01/07/15	3,465.44	-	45.75	45.81	0.06	3,419.68
MW - 2	Carlos	01/15/15	3,465.44	-	45.72	45.77	0.05	3,419.71
MW - 2	Carlos	01/28/15	3,465.44	-	45.71	45.77	0.06	3,419.72
MW - 2	Carlos	02/04/15	3,465.44	-	45.71	45.79	0.08	3,419.72
MW - 2	Carlos	02/13/15	3,465.44	-	45.71	45.81	0.10	3,419.72
MW - 2	Carlos	02/17/15	3,465.44	-	45.72	45.82	0.10	3,419.71
MW - 2	Manny	02/18/15	3,465.44	-	45.71	45.72	0.01	3,419.73
MW - 2	Carlos	02/24/15	3,465.44	-	45.70	45.73	0.03	3,419.74
MW - 2	Carlos/Matt	03/10/15	3,465.44	-	45.72	45.81	0.09	3,419.71
MW - 2	Carlos	03/17/15	3,465.44	-	45.73	45.74	0.01	3,419.71
MW - 2	Manny/Art	03/19/15	3,465.44	-	45.73	45.75	0.02	3,419.71
MW - 2	Carlos	03/25/15	3,465.44	-	45.72	45.73	0.01	3,419.72
MW - 2	Carlos/Matt	04/07/15	3,465.44	-	45.72	45.74	0.02	3,419.72
MW - 2	Carlos/Matt	04/14/15	3,465.44	-	45.74	45.77	0.03	3,419.70
MW - 2	Carlos/Matt	04/16/15	3,465.44	-	45.70	45.75	0.05	3,419.73
MW - 2	Carlos/Matt	04/21/15	3,465.44	-	45.74	45.76	0.02	3,419.70
MW - 2	Carlos	05/06/15	3,465.44	-	45.72	45.74	0.02	3,419.72
MW - 2	Carlos	05/20/15	3,465.44	-	45.73	45.76	0.03	3,419.71
MW - 2	Manny/Art	05/28/15	3,465.44	-	45.70	45.71	0.01	3,419.74
MW - 2	Arthur/ Chance	06/02/15	3,465.44	-	-	45.77	0.00	3,419.67
MW - 2	Carlos	06/09/15	3,465.44	-	45.75	45.76	0.01	3,419.69
MW - 2	Carlos	06/18/15	3,465.44	-	-	45.76	0.00	3,419.68
MW - 2	Arthur/Carlos	07/03/15	3,465.44	-	-	45.88	0.00	3,419.56
MW - 2	Carlos	07/06/15	3,465.44	-	45.83	45.84	0.01	3,419.61
MW - 2	Carlos	07/17/15	3,465.44	-	-	45.90	0.00	3,419.54
MW - 2	Carlos/Matt	07/21/15	3,465.44	-	-	45.89	0.00	3,419.55
MW - 2	Carlos	07/28/15	3,465.44	-	45.91	45.93	0.02	3,419.53
MW - 2	Carlos	08/05/15	3,465.44	-	45.94	46.03	0.09	3,419.49
MW - 2	Carlos	08/11/15	3,465.44	-	45.97	46.10	0.13	3,419.45
MW - 2	Carlos	08/12/15	3,465.44	-	45.83	45.84	0.01	3,419.61
MW - 2	Manny/Matt	08/20/15	3,465.44	-	45.95	46.16	0.21	3,419.46
MW - 2	Manny	08/21/15	3,465.44	-	45.95	46.16	0.21	3,419.46
MW - 2	Manny/Mark	08/27/15	3,465.44	-	46.00	46.04	0.04	3,419.43
MW - 2	Manny	09/01/15	3,465.44	-	-	46.06	0.00	3,419.38
MW - 2	Manny	09/09/15	3,465.44	-	-	46.10	0.00	3,419.34
MW - 2	Carlos	09/11/15	3,465.44	-	-	46.11	0.00	3,419.33
MW - 2	Carlos	09/17/15	3,465.44	-	-	46.07	0.00	3,419.37
MW - 2	Manny	09/25/15	3,465.44	-	-	-	-	-
MW - 2	Arthur/Carlos	09/30/15	3,465.44	-	-	46.20	0.00	3,419.24
MW - 2	Carlos	10/07/15	3,465.44	-	-	46.08	0.00	3,419.36
MW - 2	Carlos	10/13/15	3,465.44	-	-	46.03	0.00	3,419.41
MW - 2	Carlos	10/15/15	3,465.44	-	-	46.03	0.00	3,419.41
MW - 2	Carlos	10/26/15	3,465.44	-	-	45.96	0.00	3,419.48
MW - 2	Manny	11/05/15	3,465.44	-	-	46.00	0.00	3,419.44
MW - 2	Carlos	11/09/15	3,465.44	-	-	45.94	0.00	3,419.50
MW - 2	Manny	11/30/15	3,465.44	-	-	45.95	0.00	3,419.49
MW - 2	Carlos	12/01/15	3,465.44	-	-	45.93	0.00	3,419.51
MW - 2	Manny	12/09/15	3,465.44	-	-	45.99	0.00	3,419.45

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
SRS NO. HDO 90-23
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 2	Carlos	12/11/15	3,465.44	-	-	45.88	0.00	3,419.56
MW - 2	Carlos	12/15/15	3,465.44	-	-	45.86	0.00	3,419.58
MW - 2	Manny	12/24/15	3,465.44	-	-	45.91	0.00	3,419.53
MW - 2	Carlos	01/06/16	3,465.44	-	-	45.93	0.00	3,419.51
MW - 2	Carlos	01/15/16	3,465.44	-	-	45.96	0.00	3,419.48
MW - 2	Carlos	01/19/16	3,465.44	-	-	45.98	0.00	3,419.46
MW - 2	Carlos	01/28/16	3,465.44	-	-	45.98	0.00	3,419.46
MW - 2	Carlos	02/03/16	3,465.44	-	-	45.91	0.00	3,419.53
MW - 2	Carlos	02/11/16	3,465.44	-	-	45.95	0.00	3,419.49
MW - 2	Manny	02/19/16	3,465.44	-	-	45.98	0.00	3,419.46
MW - 2	Carlos	02/23/16	3,465.44	-	-	45.92	0.00	3,419.52
MW - 2	Manny	02/25/16	3,465.44	-	-	45.91	0.00	3,419.53
MW - 2	Manny	03/01/16	3,465.44	-	-	45.91	0.00	3,419.53
MW - 2	Manny	03/08/16	3,465.44	-	-	45.88	0.00	3,419.56
MW - 2	Carlos	03/16/16	3,465.44	-	-	45.89	0.00	3,419.55
MW - 2	Manny	03/17/16	3,465.44	-	-	45.88	0.00	3,419.56
MW - 2	Manny	03/24/16	3,465.44	-	-	45.89	0.00	3,419.55
MW - 2	Carlos	03/29/16	3,465.44	-	-	45.91	0.00	3,419.53
MW - 2	Carlos	04/05/16	3,465.44	-	-	45.90	0.00	3,419.54
MW - 2	Carlos	04/13/16	3,465.44	-	-	45.87	0.00	3,419.57
MW - 2	Manny	04/18/16	3,465.44	-	-	45.92	0.00	3,419.52
MW - 2	Carlos	04/25/16	3,465.44	-	45.85	45.86	0.01	3,419.59
MW - 2	Manny	05/03/16	3,465.44	-	45.84	45.85	0.01	3,419.60
MW - 2	Mark	05/12/16	3,465.44	-	45.85	45.86	0.01	3,419.59
MW - 2	Manny	05/27/16	3,465.44	-	45.89	45.90	0.01	3,419.55
MW - 2	Manny	06/02/16	3,465.44	-	45.91	45.92	0.01	3,419.53
MW - 2	Carlos	06/06/16	3,465.44	-	-	45.96	0.00	3,419.48
MW - 2	Carlos	06/30/16	3,465.44	-	-	46.10	0.00	3,419.34
MW - 2	Carlos	07/05/16	3,465.44	-	-	46.06	0.00	3,419.38
MW - 2	Manny	07/14/16	3,465.44	-	-	46.03	0.00	3,419.41
MW - 2	Manny	07/19/16	3,465.44	-	-	46.05	0.00	3,419.39
MW - 2	Manny	07/26/16	3,465.44	-	-	46.10	0.00	3,419.34
MW - 2	Carlos	08/03/16	3,465.44	-	-	46.10	0.00	3,419.34
MW - 2	Carlos	08/10/16	3,465.44	-	-	46.13	0.00	3,419.31
MW - 2	Carlos	08/15/16	3,465.44	-	-	46.11	0.00	3,419.33
MW - 2	Manny	08/23/16	3,465.44	-	-	46.04	0.00	3,419.40
MW - 2	Manny	09/12/16	3,465.44	-	45.78	45.79	0.01	3,419.66
MW - 2	Manny	10/07/16	3,465.44	-	45.56	45.85	0.29	3,419.84
MW - 2	Manny	10/12/16	3,465.44	-	45.73	45.74	0.01	3,419.71
MW - 2	Manny	10/19/16	3,465.44	-	-	45.76	0.00	3,419.68
MW - 2	Manny	10/28/16	3,465.44	-	-	45.76	0.00	3,419.68
MW - 2	Carlos	11/03/16	3,465.44	-	-	45.75	0.00	3,419.69
MW - 2	Carlos	11/11/16	3,465.44	-	-	45.74	0.00	3,419.70
MW - 2	Carlos	11/15/16	3,465.44	-	-	45.68	0.00	3,419.76
MW - 2	Carlos	12/02/16	3,465.44	-	-	45.73	0.00	3,419.71
MW - 2	Carlos	12/06/16	3,465.44	-	-	45.77	0.00	3,419.67
MW - 2	Carlos	12/13/16	3,465.44	-	-	45.79	0.00	3,419.65
MW - 2	Carlos	12/21/16	3,465.44	-	-	45.80	0.00	3,419.64
MW - 2	Carlos	12/28/16	3,465.44	-	-	45.79	0.00	3,419.65
MW - 2	Carlos	01/03/17	3,465.44	-	-	45.79	0.00	3,419.65
MW - 2	Carlos	01/09/17	3,465.44	-	-	45.90	0.00	3,419.54
MW - 2	Carlos	01/17/17	3,465.44	-	-	45.86	0.00	3,419.58
MW - 2	Carlos	01/25/17	3,465.44	-	-	45.87	0.00	3,419.57
MW - 2	Carlos	02/01/17	3,465.44	-	-	45.83	0.00	3,419.61
MW - 2	Manny	02/07/17	3,465.44	-	-	45.85	0.00	3,419.59
MW - 2	Manny	02/16/17	3,465.44	-	-	45.80	0.00	3,419.64
MW - 2	Manny	02/23/17	3,465.44	-	-	45.81	0.00	3,419.63
MW - 2	Manny	03/03/17	3,465.44	-	-	45.81	0.00	3,419.63
MW - 2	Manny	03/07/17	3,465.44	-	-	45.85	0.00	3,419.59
MW - 2	Carlos	03/14/17	3,465.44	-	-	45.79	0.00	3,419.65
MW - 2	Manny	03/24/17	3,465.44	-	-	45.79	0.00	3,419.65
MW - 2	Carlos	03/30/17	3,465.44	-	-	45.81	0.00	3,419.63
MW - 2	Carlos	04/04/17	3,465.44	-	-	45.80	0.00	3,419.64
MW - 2	Manny	04/11/17	3,465.44	-	-	45.79	0.00	3,419.65
MW - 2	Manny	04/21/17	3,465.44	-	-	45.76	0.00	3,419.68
MW - 2	Jeremy	04/27/17	3,465.44	-	-	45.75	0.00	3,419.69
MW - 2	Manny	05/04/17	3,465.44	-	-	45.77	0.00	3,419.67

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

HDO 90 - 23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 2	Jeremy	05/09/17	3,465.44	-	-	45.89	0.00	3,419.55
MW - 2	Manny	05/18/17	3,465.44	-	-	45.78	0.00	3,419.66
MW - 2	Jeremy	05/25/17	3,465.44	-	-	45.88	0.00	3,419.56
MW - 2	Jeremy	06/02/17	3,465.44	-	-	45.79	0.00	3,419.65
MW - 2	Jeremy	06/07/17	3,465.44	-	-	45.81	0.00	3,419.63
MW - 2	Jeremy	06/13/17	3,465.44	-	-	45.81	0.00	3,419.63
MW - 2	Jeremy	06/20/17	3,465.44	-	-	45.92	0.00	3,419.52
MW - 2	Jeremy	07/06/17	3,465.44	-	-	45.87	0.00	3,419.57
MW - 2	Jeremy	07/13/17	3,465.44	-	-	45.89	0.00	3,419.55
MW - 2	Jeremy	07/18/17	3,465.44	-	-	45.93	0.00	3,419.51
MW - 2	Jeremy	08/10/17	3,465.44	-	-	45.96	0.00	3,419.48
MW - 2	Manny	08/15/17	3,465.44	-	-	46.02	0.00	3,419.42
MW - 2	Manny	08/23/17	3,465.44	-	-	45.99	0.00	3,419.45
MW - 2	Jeremy	09/01/17	3,465.44	-	-	45.99	0.00	3,419.45
MW - 2	Manny	09/07/17	3,465.44	-	-	46.04	0.00	3,419.40
MW - 2	Manny	09/14/17	3,465.44	-	-	46.10	0.00	3,419.34
MW - 2	Manny	09/21/17	3,465.44	-	-	46.15	0.00	3,419.29
MW - 2	Manny	10/09/17	3,465.44	-	-	45.99	0.00	3,419.45
MW - 2	Manny	10/20/17	3,465.44	-	-	46.05	0.00	3,419.39
MW - 2	Jeremy	10/26/17	3,465.44	-	-	46.16	0.00	3,419.28
MW - 2	Jeremy	10/31/17	3,465.44	-	-	45.52	0.00	3,419.92
MW - 2	Jeremy	11/17/17	3,465.44	-	-	46.02	0.00	3,419.42
MW - 2	Jeremy	11/29/17	3,465.44	-	-	46.09	0.00	3,419.35
MW - 2	Jeremy	12/08/17	3,465.44	-	-	46.11	0.00	3,419.33
MW - 2	Manny	12/15/17	3,465.44	-	-	46.22	0.00	3,419.22
MW - 2	Manny	12/21/17	3,465.44	-	-	46.10	0.00	3,419.34
MW - 2	Jeremy	12/26/17	3,465.44	-	-	46.05	0.00	3,419.39
MW - 2	Jeremy	01/04/18	3,465.44	-	-	46.07	0.00	3,419.37
MW - 2	Jeremy	01/15/18	3,465.44	-	-	46.06	0.00	3,419.38
MW - 2	Jeremy	01/26/18	3,465.44	-	-	46.14	0.00	3,419.30
MW - 2	Jeremy	02/02/18	3,465.44	-	-	46.99	0.00	3,418.45
MW - 2	Jeremy	02/09/18	3,465.44	-	-	46.14	0.00	3,419.30
MW - 2	Jeremy	02/16/18	3,465.44	-	-	46.09	0.00	3,419.35
MW - 2	Manny	02/23/18	3,465.44	-	-	46.10	0.00	3,419.34
MW - 2	Manny	02/28/18	3,465.44	-	-	46.11	0.00	3,419.33
MW - 2	Jeremy	03/02/18	3,465.44	-	-	46.09	0.00	3,419.35
MW - 2	Jeremy	03/05/18	3,465.44	-	-	46.09	0.00	3,419.35
MW - 2	Manny	03/16/18	3,465.44	-	-	46.15	0.00	3,419.29
MW - 2	Manny	03/28/18	3,465.44	-	-	46.11	0.00	3,419.33
MW - 2	Manny	04/06/18	3,465.44	-	-	46.17	0.00	3,419.27
MW - 2	Manny	04/18/18	3,465.44	-	-	46.21	0.00	3,419.23
MW - 2	Manny	04/25/18	3,465.44	-	-	46.19	0.00	3,419.25
MW - 2	Manny	05/04/18	3,465.44	-	-	46.17	0.00	3,419.27
MW - 2	Manny	05/10/18	3,465.44	-	-	46.15	0.00	3,419.29
MW - 2	Manny	05/18/18	3,465.44	-	-	46.14	0.00	3,419.30
MW - 2	Jeremy	05/24/18	3,465.44	-	46.13	46.15	0.02	3,419.31
MW - 2	Manny	06/01/18	3,465.44	-	-	46.23	0.00	3,419.21
MW - 2	Jeremy	06/14/18	3,465.44	-	-	46.18	0.00	3,419.26
MW - 2	Jeremy	06/22/18	3,465.44	-	-	46.18	0.00	3,419.26
MW - 2	Jeremy	06/28/18	3,465.44	-	-	46.29	0.00	3,419.15
MW - 2	Jeremy	07/03/18	3,465.44	-	-	46.32	0.00	3,419.12
MW - 2	Jeremy	07/12/18	3,465.44	-	-	46.29	0.00	3,419.15
MW - 2	Jeremy	08/21/18	3,465.44	-	-	46.35	0.00	3,419.09
MW - 2	Jeremy	09/13/18	3,465.44	-	-	46.36	0.00	3,419.08
MW - 2	Jeremy	10/10/18	3,465.44	-	-	46.35	0.00	3,419.09
MW - 2	Manny/Elias	11/19/18	3,465.44	-	-	46.37	0.00	3,419.07
MW - 2	Manny/Elias	12/05/18	3,465.44	-	-	46.38	0.00	3,419.06
MW - 2	Manny/Elias	12/17/18	3,465.44	-	-	46.38	0.00	3,419.06
MW - 2	Jeremy	12/31/18	3,465.44	-	-	46.37	0.00	3,419.07
MW - 2	Jeremy	01/18/19	3,465.44	-	-	46.40	0.00	3,419.04
MW - 2	Jeremy	02/25/19	3,465.44	-	-	46.34	0.00	3,419.10
MW - 2	Jeremy	03/08/19	3,465.44	-	-	46.38	0.00	3,419.06
MW - 2	Jeremy	04/03/19	3,465.44	-	-	46.32	0.00	3,419.12
MW - 2	Jeremy	04/15/19	3,465.44	-	-	46.33	0.00	3,419.11
MW - 2	Manny	05/01/19	3,465.44	-	-	46.36	0.00	3,419.08
MW - 2	Manny	05/15/19	3,465.44	-	-	46.24	0.00	3,419.20
MW - 2	Manny	05/21/19	3,465.44	-	-	46.22	0.00	3,419.22

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
SRS NO. HDO 90-23
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 2	Manny	06/21/19	3,465.44	-	-	16.19	0.00	3,449.25
MW - 2	Manny	07/02/19	3,465.44	-	-	46.27	0.00	3,419.17
MW - 2	Manny	07/30/19	3,465.44	-	-	46.36	0.00	3,419.08
MW - 2	Manny	08/09/19	3,465.44	-	-	46.39	0.00	3,419.05
MW - 2	Manny	08/21/19	3,465.44	-	-	46.43	0.00	3,419.01
MW - 2	Manny	10/25/19	3,465.44	-	-	46.10	0.00	3,419.34
MW - 2	Elias	12/10/19	3,465.44	-	-	46.16	0.00	3,419.28
MW - 2	Elias	01/10/20	3,465.44	-	-	46.21	0.00	3,419.23
MW - 2	Elias	01/21/20	3,465.44	-	-	46.16	0.00	3,419.28
MW - 2	Elias	02/25/20	3,465.44	-	-	46.17	0.00	3,419.27
MW - 2	Manny	06/03/20	3,465.44	-	46.13	46.15	0.02	3,419.31
MW - 2	Manny	09/21/20	3,465.44	-	46.45	46.53	0.08	3,418.98
MW - 2	Manny	10/12/20	3,465.44	-	46.47	46.52	0.05	3,418.96
MW - 2	Manny	11/13/20	3,465.44	-	46.43	46.48	0.05	3,419.00
MW - 2	Manny	03/26/21	3,465.44	-	46.38	46.44	0.06	3,419.05
MW - 2	Manny	04/20/21	3,465.44	-	46.37	46.53	0.16	3,419.05
MW - 2	Manny	05/14/21	3,465.44	-	46.35	46.40	0.05	3,419.08
MW - 2	Manny	06/14/21	3,465.44	-	46.40	46.49	0.09	3,419.03
MW - 2	Manny	08/12/21	3,465.44	-	46.46	46.58	0.12	3,418.96
MW - 2	Manny	09/07/21	3,465.44	-	46.51	46.59	0.08	3,418.92
MW - 2	Manny	10/21/21	3,465.44	-	46.56	46.74	0.18	3,418.85
MW - 2	Manny	12/08/21	3,465.44	-	46.60	46.76	0.16	3,418.82
MW - 2	Manny	12/13/21	3,465.44	-	46.60	46.63	0.03	3,418.84
MW - 2	Manny	01/21/22	3,465.44	-	46.62	46.71	0.09	3,418.81
MW - 2	Manny	03/16/22	3,465.44	-	46.62	46.84	0.22	3,418.79
MW - 2	Manny	03/29/22	3,465.44	-	46.57	46.67	0.10	3,418.86
MW - 2	Manny	05/19/22	3,465.44	-	46.58	46.73	0.15	3,418.84
MW - 2	Manny	07/01/22	3,465.44	-	46.68	46.80	0.12	3,418.74
MW - 2	Manny	09/07/22	3,465.44	-	46.73	47.02	0.29	3,418.67
MW - 2	Manny	12/01/22	3,465.44	-	46.78	47.05	0.27	3,418.62
MW - 2	Manny	01/18/23	3,465.44	-	46.75	46.98	0.23	3,418.66
MW - 2	Manny	02/15/23	3,465.44	-	46.72	46.88	0.16	3,418.70
MW - 2	Manny	04/12/23	3,465.44	-	46.65	46.85	0.20	3,418.76
MW - 2	Manny	05/04/23	3,465.44	-	46.64	46.77	0.13	3,418.78
MW - 2	Manny	07/20/23	3,465.44	-	46.72	46.91	0.19	3,418.69
MW - 2	Manny	09/14/23	3,465.44	-	46.86	47.11	0.25	3,418.54
MW - 2	Manny	12/05/23	3,465.44	-	46.74	46.96	0.22	3,418.67
MW - 2	Manny	01/11/24	3,465.44	-	46.65	47.03	0.38	3,418.73
MW - 2	Manny	02/16/24	3,465.44	-	46.68	46.97	0.29	3,418.72
MW - 2	Manny	03/07/24	3,465.44	-	46.58	46.92	0.34	3,418.81
MW - 2	Manny	03/18/24	3,465.44	-	46.63	46.89	0.26	3,418.77
MW - 2	Manny	06/03/24	3,465.44	54.54	46.59	47.04	0.45	3,418.78
MW - 2	Manny	07/30/24	3,465.44	-	46.80	47.60	0.80	3,418.52
MW - 2	Manny	09/26/24	3,465.44	54.56	46.93	47.23	0.30	3,418.47
MW - 2	Manny	11/05/24	3,465.44	54.52	46.90	47.24	0.34	3,418.49
MW - 3		03/08/00	3,464.68	-	-	45.59	0.00	3,419.09
MW - 3		05/12/00	3,464.88	-	-	45.71	0.00	3,419.17
MW - 3		09/11/00	3,464.68	-	-	45.64	0.00	3,419.04
MW - 3		12/11/00	3,464.68	-	-	45.72	0.00	3,418.96
MW - 3		03/19/01	3,464.68	-	-	45.59	0.00	3,419.09
MW - 3		05/30/01	3,464.68	-	-	45.64	0.00	3,419.04
MW - 3		09/25/01	3,464.68	-	-	45.85	0.00	3,418.83
MW - 3		11/20/01	3,464.68	-	-	45.86	0.00	3,418.82
MW - 3		02/20/02	3,464.68	-	-	45.79	0.00	3,418.89
MW - 3		06/25/02	3,464.68	-	-	45.84	0.00	3,418.84
MW - 3		09/17/02	3,464.68	-	-	45.86	0.00	3,418.82
MW - 3		11/20/02	3,464.68	-	-	45.84	0.00	3,418.84
MW - 3		01/21/03	3,464.68	-	-	45.76	0.00	3,418.92
MW - 3		02/10/03	3,464.68	-	-	45.68	0.00	3,419.00
MW - 3		05/15/03	3,464.68	-	-	45.80	0.00	3,418.88
MW - 3		08/26/03	3,464.68	-	-	45.98	0.00	3,418.70
MW - 3		11/24/03	3,464.68	-	-	46.06	0.00	3,418.62
MW - 3		02/18/04	3,464.68	-	-	46.00	0.00	3,418.68
MW - 3		05/12/04	3,464.68	-	-	45.64	0.00	3,419.04
MW - 3		08/23/04	3,464.68	-	-	45.10	0.00	3,419.58
MW - 3		12/07/04	3,464.68	-	-	44.58	0.00	3,420.10

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

HDO 90 - 23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 3		03/09/05	3,464.68	-	-	44.70	0.00	3,419.98
MW - 3		06/09/05	3,464.68	-	-	44.77	0.00	3,419.91
MW - 3		08/09/05	3,464.68	-	sheen	43.79	0.00	3,420.89
MW - 3		09/01/05	3,464.68	-	-	44.32	0.00	3,420.36
MW - 3		09/08/05	3,464.68	-	-	44.57	0.00	3,420.11
MW - 3		12/01/05	3,464.68	-	-	44.80	0.00	3,419.88
MW - 3		03/07/06	3,464.68	-	-	44.85	0.00	3,419.83
MW - 3		06/06/06	3,464.68	-	sheen	44.93	0.00	3,419.75
MW - 3		07/13/06	3,464.68	-	sheen	44.94	0.00	3,419.74
MW - 3		07/27/06	3,464.68	-	47.61	47.63	0.02	3,417.07
MW - 3		08/10/06	3,464.68	-	45.53	45.74	0.21	3,419.12
MW - 3		09/15/06	3,464.68	-	-	42.71	0.00	3,421.97
MW - 3		10/03/06	3,464.68	-	sheen	42.74	0.00	3,421.94
MW - 3		11/20/06	3,464.68	-	-	44.92	0.00	3,419.76
MW - 3		01/11/07	3,464.68	-	sheen	44.98	0.00	3,419.70
MW - 3		02/15/07	3,464.68	-	-	44.70	0.00	3,419.98
MW - 3		02/23/07	3,464.68	-	-	44.94	0.00	3,419.74
MW - 3		03/28/07	3,464.68	-	sheen	44.98	0.00	3,419.70
MW - 3		05/18/07	3,464.68	-	-	44.61	0.00	3,420.07
MW - 3		07/12/07	3,464.68	-	-	44.87	0.00	3,419.81
MW - 3		08/21/07	3,464.68	-	-	44.94	0.00	3,419.74
MW - 3		10/03/07	3,464.68	-	sheen	45.02	0.00	3,419.66
MW - 3		11/05/07	3,464.68	-	-	44.96	0.00	3,419.72
MW - 3		02/08/08	3,464.68	-	-	44.96	0.00	3,419.72
MW - 3		02/15/08	3,464.68	-	-	44.95	0.00	3,419.73
MW - 3		02/22/08	3,464.68	-	-	44.95	0.00	3,419.73
MW - 3		04/04/08	3,464.68	-	-	44.94	0.00	3,419.74
MW - 3		05/08/08	3,464.68	-	-	44.90	0.00	3,419.78
MW - 3		05/16/08	3,464.68	-	-	44.94	0.00	3,419.74
MW - 3		06/27/08	3,464.68	-	-	45.01	0.00	3,419.67
MW - 3		08/13/08	3,464.68	-	-	45.09	0.00	3,419.59
MW - 3		09/30/08	3,464.68	-	-	45.02	0.00	3,419.66
MW - 3		10/08/08	3,464.68	-	-	45.10	0.00	3,419.58
MW - 3		10/24/08	3,464.68	-	-	44.90	0.00	3,419.78
MW - 3		11/06/08	3,464.68	-	-	45.06	0.00	3,419.62
MW - 3		12/17/08	3,464.68	-	-	45.16	0.00	3,419.52
MW - 3		12/30/08	3,464.68	-	-	45.18	0.00	3,419.50
MW - 3		01/07/09	3,464.68	-	-	45.16	0.00	3,419.52
MW - 3		01/22/09	3,464.68	-	-	45.13	0.00	3,419.55
MW - 3		01/26/09	3,464.68	-	-	45.12	0.00	3,419.56
MW - 3		02/05/09	3,464.68	-	-	45.12	0.00	3,419.56
MW - 3		02/13/09	3,464.68	-	-	45.09	0.00	3,419.59
MW - 3		02/27/09	3,464.68	-	-	45.10	0.00	3,419.58
MW - 3		03/03/09	3,464.68	-	-	45.18	0.00	3,419.50
MW - 3		03/10/09	3,464.68	-	-	45.09	0.00	3,419.59
MW - 3		03/18/09	3,464.68	-	-	45.09	0.00	3,419.59
MW - 3		03/27/09	3,464.68	-	-	45.05	0.00	3,419.63
MW - 3		04/02/09	3,464.68	-	-	45.21	0.00	3,419.47
MW - 3		04/07/09	3,464.68	-	-	45.05	0.00	3,419.63
MW - 3		04/14/09	3,464.68	-	-	45.03	0.00	3,419.65
MW - 3		04/28/09	3,464.68	-	-	45.05	0.00	3,419.63
MW - 3		05/07/09	3,464.68	-	-	45.02	0.00	3,419.66
MW - 3		05/08/09	3,464.68	-	-	45.02	0.00	3,419.66
MW - 3		06/11/09	3,464.68	-	-	44.72	0.00	3,419.96
MW - 3		06/16/09	3,464.68	-	-	44.64	0.00	3,420.04
MW - 3		06/26/09	3,464.68	-	-	44.95	0.00	3,419.73
MW - 3		06/30/09	3,464.68	-	-	44.65	0.00	3,420.03
MW - 3		07/07/09	3,464.68	-	-	45.03	0.00	3,419.65
MW - 3		07/15/09	3,464.68	-	-	45.08	0.00	3,419.60
MW - 3		07/28/09	3,464.68	-	-	45.00	0.00	3,419.68
MW - 3		07/31/09	3,464.68	-	-		0.00	3,464.68
MW - 3		08/05/09	3,464.68	-	-		0.00	3,464.68
MW - 3		08/06/09	3,464.68	-	-		0.00	3,464.68
MW - 3		08/13/09	3,464.68	-	-	44.86	0.00	3,419.82
MW - 3		08/19/09	3,464.68	-	-	44.94	0.00	3,419.74
MW - 3		08/25/09	3,464.68	-	-	45.07	0.00	3,419.61
MW - 3		09/01/09	3,464.68	-	-	45.14	0.00	3,419.54

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

HDO 90 - 23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 3		09/08/09	3,464.68	-	-	45.02	0.00	3,419.66
MW - 3		09/15/09	3,464.68	-	-	45.02	0.00	3,419.66
MW - 3		09/25/09	3,464.68	-	sheen	45.18	0.00	3,419.50
MW - 3		09/28/09	3,464.68	-	-	45.25	0.00	3,419.43
MW - 3		10/02/09	3,464.68	-	sheen	45.18	0.00	3,419.50
MW - 3		10/05/09	3,464.68	-	-	45.26	0.00	3,419.42
MW - 3		10/09/09	3,464.68	-	sheen	45.38	0.00	3,419.30
MW - 3		10/12/09	3,464.68	-	-	45.27	0.00	3,419.41
MW - 3		10/22/09	3,464.68	-	sheen	45.20	0.00	3,419.48
MW - 3		10/29/09	3,464.68	-	sheen	45.18	0.00	3,419.50
MW - 3		11/06/09	3,464.68	-	-	45.23	0.00	3,419.45
MW - 3		11/16/09	3,464.68	-	-	45.29	0.00	3,419.39
MW - 3		12/22/09	3,464.68	-	-	45.04	0.00	3,419.64
MW - 3		01/06/10	3,464.68	-	-	45.21	0.00	3,419.47
MW - 3		02/08/10	3,464.68	-	-	45.23	0.00	3,419.45
MW - 3		03/03/10	3,464.68	-	-	45.18	0.00	3,419.50
MW - 3		05/11/10	3,464.68	-	-	45.26	0.00	3,419.42
MW - 3		08/10/10	3,464.68	-	-	45.26	0.00	3,419.42
MW - 3		11/09/10	3,464.68	-	-	45.31	0.00	3,419.37
MW - 3		02/15/11	3,464.68	-	-	45.31	0.00	3,419.37
MW - 3		05/05/11	3,464.68	-	-	45.29	0.00	3,419.39
MW - 3		08/04/11	3,464.68	-	-	45.31	0.00	3,419.37
MW - 3		11/21/11	3,464.68	-	-	45.43	0.00	3,419.25
MW - 3		11/28/11	3,464.68	-	-	45.47	0.00	3,419.21
MW - 3		12/09/11	3,464.68	-	-	45.45	0.00	3,419.23
MW - 3		12/21/11	3,464.68	-	-	45.42	0.00	3,419.26
MW - 3		01/26/12	3,464.68	-	-	45.37	0.00	3,419.31
MW - 3		02/02/12	3,464.68	-	-	45.35	0.00	3,419.33
MW - 3		02/07/12	3,464.68	-	-	45.37	0.00	3,419.31
MW - 3		02/13/12	3,464.68	-	-	45.35	0.00	3,419.33
MW - 3		03/07/12	3,464.68	-	-	45.31	0.00	3,419.37
MW - 3		03/23/12	3,464.68	-	-	45.31	0.00	3,419.37
MW - 3		03/30/12	3,464.68	-	-	45.31	0.00	3,419.37
MW - 3		04/05/12	3,464.68	-	-	45.30	0.00	3,419.38
MW - 3		04/13/12	3,464.68	-	-	45.29	0.00	3,419.39
MW - 3		04/26/12	3,464.68	-	-	45.28	0.00	3,419.40
MW - 3		05/03/12	3,464.68	-	-	45.27	0.00	3,419.41
MW - 3		05/07/12	3,464.68	-	-	45.28	0.00	3,419.40
MW - 3		05/29/12	3,464.68	-	-	45.28	0.00	3,419.40
MW - 3		06/08/12	3,464.68	-	-	45.28	0.00	3,419.40
MW - 3		06/15/12	3,464.68	-	-	45.30	0.00	3,419.38
MW - 3		06/22/12	3,464.68	-	-	45.25	0.00	3,419.43
MW - 3		06/29/12	3,464.68	-	-	45.32	0.00	3,419.36
MW - 3		07/03/12	3,464.68	-	-	45.23	0.00	3,419.45
MW - 3		08/10/12	3,464.68	-	-	45.36	0.00	3,419.32
MW - 3		08/17/12	3,464.68	-	-	45.48	0.00	3,419.20
MW - 3		09/12/12	3,464.68	-	-	45.44	0.00	3,419.24
MW - 3		10/12/12	3,464.68	-	-	45.47	0.00	3,419.21
MW - 3		10/17/12	3,464.68	-	-	45.43	0.00	3,419.25
MW - 3		10/24/12	3,464.68	-	-	45.46	0.00	3,419.22
MW - 3		11/06/12	3,464.68	-	-	45.43	0.00	3,419.25
MW - 3		12/14/12	3,464.68	-	-	45.41	0.00	3,419.27
MW - 3		12/21/12	3,464.68	-	-	45.44	0.00	3,419.24
MW - 3		02/06/13	3,464.68	-	-	45.36	0.00	3,419.32
MW - 3		02/20/13	3,464.68	-	-	45.36	0.00	3,419.32
MW - 3		03/29/13	3,464.68	-	-	45.37	0.00	3,419.31
MW - 3		04/03/13	3,464.68	-	-	45.39	0.00	3,419.29
MW - 3		04/09/13	3,464.68	-	-	45.36	0.00	3,419.32
MW - 3		04/19/13	3,464.68	-	-	45.41	0.00	3,419.27
MW - 3		04/24/13	3,464.68	-	-	45.39	0.00	3,419.29
MW - 3		05/02/13	3,464.68	-	-	45.41	0.00	3,419.27
MW - 3		05/08/13	3,464.68	-	-	45.35	0.00	3,419.33
MW - 3		05/10/13	3,464.68	-	-	45.41	0.00	3,419.27
MW - 3		05/17/13	3,464.68	-	-	45.36	0.00	3,419.32
MW - 3		05/22/13	3,464.68	-	-	45.36	0.00	3,419.32
MW - 3		05/30/13	3,464.68	-	-	45.36	0.00	3,419.32
MW - 3		06/05/13	3,464.68	-	-	45.37	0.00	3,419.31

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

HDO 90 - 23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 3		06/12/13	3,464.68	-	-	45.37	0.00	3,419.31
MW - 3		06/18/13	3,464.68	-	-	45.39	0.00	3,419.29
MW - 3		06/25/13	3,464.68	-	-	45.38	0.00	3,419.30
MW - 3		07/02/13	3,464.68	-	-	45.42	0.00	3,419.26
MW - 3		07/09/13	3,464.68	-	-	45.42	0.00	3,419.26
MW - 3		07/26/13	3,464.68	-	-	45.42	0.00	3,419.26
MW - 3		07/29/13	3,464.68	-	-	45.43	0.00	3,419.25
MW - 3		08/01/13	3,464.68	-	-	45.40	0.00	3,419.28
MW - 3		08/06/13	3,464.68	-	-	45.44	0.00	3,419.24
MW - 3		08/15/13	3,464.68	-	-	45.42	0.00	3,419.26
MW - 3		08/20/13	3,464.68	-	-	45.46	0.00	3,419.22
MW - 3		09/12/13	3,464.68	-	-	45.53	0.00	3,419.15
MW - 3		09/19/13	3,464.68	-	-	45.56	0.00	3,419.12
MW - 3		09/25/13	3,464.68	-	-	45.50	0.00	3,419.18
MW - 3		10/01/13	3,464.68	-	-	45.56	0.00	3,419.12
MW - 3		10/09/13	3,464.68	-	-	45.53	0.00	3,419.15
MW - 3		10/24/13	3,464.68	-	-	45.13	0.00	3,419.55
MW - 3		10/29/13	3,464.68	-	-	45.28	0.00	3,419.40
MW - 3		11/04/13	3,464.68	-	-	45.43	0.00	3,419.25
MW - 3		11/05/13	3,464.68	-	-	45.34	0.00	3,419.34
MW - 3		12/02/13	3,464.68	-	-	45.50	0.00	3,419.18
MW - 3		12/10/13	3,464.68	-	-	45.46	0.00	3,419.22
MW - 3		12/17/13	3,464.68	-	-	45.47	0.00	3,419.21
MW - 3		12/23/13	3,464.68	-	-	45.56	0.00	3,419.12
MW - 3		01/01/14	3,464.68	-	-	45.41	0.00	3,419.27
MW - 3		01/07/14	3,464.68	-	-	45.44	0.00	3,419.24
MW - 3		01/16/14	3,464.68	-	-	45.46	0.00	3,419.22
MW - 3	David Fletcher	01/23/14	3,464.68	-	-	45.46	0.00	3,419.22
MW - 3	John F	01/28/14	3,464.68	-	-	45.49	0.00	3,419.19
MW - 3	john	02/11/14	3,464.68	-	-	45.48	0.00	3,419.20
MW - 3	John & Jose	02/26/14	3,464.68	-	-	45.41	0.00	3,419.27
MW - 3	David F.	03/21/14	3,464.68	-	-	45.39	0.00	3,419.29
MW - 3	David & Manny	03/29/14	3,464.68	-	-	45.40	0.00	3,419.28
MW - 3	David & Jose	04/10/14	3,464.68	-	-	45.38	0.00	3,419.30
MW - 3	David & Jose	04/17/14	3,464.68	-	-	45.47	0.00	3,419.21
MW - 3	David & Jose	04/17/14	3,464.68	-	-	45.40	0.00	3,419.28
MW - 3	Manny & Justin	04/24/14	3,464.68	-	-	45.41	0.00	3,419.27
MW - 3	David	05/01/14	3,464.68	-	-	45.43	0.00	3,419.25
MW - 3	Jose	05/06/14	3,464.68	-	-	45.39	0.00	3,419.29
MW - 3	David	05/12/14	3,464.68	-	-	45.42	0.00	3,419.26
MW - 3	Baer	05/23/14	3,464.68	-	-	45.44	0.00	3,419.24
MW - 3	Manny	05/27/14	3,464.68	-	-	45.43	0.00	3,419.25
MW - 3	Jose/David	06/05/14	3,464.68	-	-	45.45	0.00	3,419.23
MW - 3	Manny	06/18/14	3,464.68	-	-	45.48	0.00	3,419.20
MW - 3	David	07/01/14	3,464.68	-	-	45.46	0.00	3,419.22
MW - 3	David	07/23/14	3,464.68	-	-	45.57	0.00	3,419.11
MW - 3	David	08/11/14	3,464.68	-	-	45.60	0.00	3,419.08
MW - 3	David	08/21/14	3,464.68	-	-	45.45	0.00	3,419.23
MW - 3	David	09/04/14	3,464.68	-	-	45.56	0.00	3,419.12
MW - 3	Manny	10/28/14	3,464.68	-	-	44.95	0.00	3,419.73
MW - 3	Manny	11/15/14	3,464.68	-	-	44.82	0.00	3,419.86
MW - 3	Manny	02/18/15	3,464.68	-	-	45.05	0.00	3,419.63
MW - 3	Manny/Art	03/19/15	3,464.68	-	-	45.07	0.00	3,419.61
MW - 3	Manny/Art	04/16/15	3,464.68	-	-	45.06	0.00	3,419.62
MW - 3	Manny/Art	05/28/15	3,464.68	-	-	45.09	0.00	3,419.59
MW - 3	Carlos/Matt	07/21/15	3,464.68	-	-	45.23	0.00	3,419.45
MW - 3	Manny/Matt	08/20/15	3,464.68	-	-	45.35	0.00	3,419.33
MW - 3	Carlos	09/11/15	3,464.68	-	-	45.35	0.00	3,419.33
MW - 3	Carlos	10/15/15	3,464.68	-	-	45.32	0.00	3,419.36
MW - 3	Manny	11/30/15	3,464.68	-	-	45.20	0.00	3,419.48
MW - 3	Carlos	12/11/15	3,464.68	-	-	45.18	0.00	3,419.50
MW - 3	Carlos	01/19/16	3,464.68	-	-	45.25	0.00	3,419.43
MW - 3	Manny	02/25/16	3,464.68	-	-	45.23	0.00	3,419.45
MW - 3	Manny	03/17/16	3,464.68	-	-	45.18	0.00	3,419.50
MW - 3	Carlos	04/13/16	3,464.68	-	-	45.23	0.00	3,419.45
MW - 3	Manny	06/02/16	3,464.68	-	-	45.26	0.00	3,419.42
MW - 3	Carlos	06/30/16	3,464.68	-	-	45.32	0.00	3,419.36

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

HDO 90 - 23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 3	Manny	07/26/16	3,464.68	-	-	45.41	0.00	3,419.27
MW - 3	Manny	09/12/16	3,464.68	-	-	44.86	0.00	3,419.82
MW - 3	Manny	10/12/16	3,464.68	-	-	44.83	0.00	3,419.85
MW - 3	Carlos	12/01/16	3,464.68	-	-	45.04	0.00	3,419.64
MW - 3	Carlos	12/28/16	3,464.68	-	-	45.08	0.00	3,419.60
MW - 3	Carlos	01/25/17	3,464.68	-	-	45.12	0.00	3,419.56
MW - 3	Manny	02/23/17	3,464.68	-	-	45.07	0.00	3,419.61
MW - 3	Carlos	03/30/17	3,464.68	-	-	45.11	0.00	3,419.57
MW - 3	Manny	04/11/17	3,464.68	-	-	45.11	0.00	3,419.57
MW - 3	Manny	05/04/17	3,464.68	-	-	45.12	0.00	3,419.56
MW - 3	Jeremy	06/07/17	3,464.68	-	-	45.16	0.00	3,419.52
MW - 3	Jeremy	07/06/17	3,464.68	-	-	45.22	0.00	3,419.46
MW - 3	Jeremy	08/23/17	3,464.68	-	-	45.71	0.00	3,418.97
MW - 3	Jeremy	10/09/17	3,464.68	-	-	45.29	0.00	3,419.39
MW - 3	Jeremy	11/29/17	3,464.68	-	-	45.39	0.00	3,419.29
MW - 3	Jeremy	12/26/17	3,464.68	-	-	45.42	0.00	3,419.26
MW - 3	Manny	02/28/18	3,464.68	-	-	45.45	0.00	3,419.23
MW - 3	Jeremy	05/24/18	3,464.68	-	-	45.79	0.00	3,418.89
MW - 3	Jeremy	06/28/18	3,464.68	-	-	45.54	0.00	3,419.14
MW - 3	Jeremy	08/21/18	3,464.68	-	-	45.68	0.00	3,419.00
MW - 3	Manny/Elias	12/05/18	3,464.68	-	-	45.70	0.00	3,418.98
MW - 3	Jeremy	12/31/18	3,464.68	-	-	45.72	0.00	3,418.96
MW - 3	Jeremy	01/18/19	3,464.68	-	-	45.70	0.00	3,418.98
MW - 3	Jeremy	02/25/19	3,464.68	-	-	45.71	0.00	3,418.97
MW - 3	Manny	05/21/19	3,464.68	-	-	45.58	0.00	3,419.10
MW - 3	Manny	07/02/19	3,464.68	-	-	45.54	0.00	3,419.14
MW - 3	Manny	07/30/19	3,464.68	-	-	45.66	0.00	3,419.02
MW - 3	Manny	08/21/19	3,464.68	-	-	45.71	0.00	3,418.97
MW - 3	Elias	12/10/19	3,464.68	-	-	45.44	0.00	3,419.24
MW - 3	Elias	01/21/20	3,464.68	-	-	45.49	0.00	3,419.19
MW - 3	Elias	02/25/20	3,464.68	-	-	45.49	0.00	3,419.19
MW - 3	Manny	06/03/20	3,464.68	-	-	45.47	0.00	3,419.21
MW - 3	Manny	09/21/20	3,464.68	-	-	45.76	0.00	3,418.92
MW - 3	Manny	11/13/20	3,464.68	-	-	45.80	0.00	3,418.88
MW - 3	Manny	03/26/21	3,464.68	-	-	45.75	0.00	3,418.93
MW - 3	Manny	05/14/21	3,464.68	-	-	45.72	0.00	3,418.96
MW - 3	Manny	09/08/21	3,464.68	-	-	45.86	0.00	3,418.82
MW - 3	Manny	12/08/21	3,464.68	-	-	45.94	0.00	3,418.74
MW - 3	Manny	12/13/21	3,464.68	-	-	45.97	0.00	3,418.71
MW - 3	Manny	03/16/22	3,464.68	-	-	45.99	0.00	3,418.69
MW - 3	Manny	05/19/22	3,464.68	-	-	45.96	0.00	3,418.72
MW - 3	Manny	09/07/22	3,464.68	-	-	46.11	0.00	3,418.57
MW - 3	Manny	12/01/22	3,464.68	-	-	46.14	0.00	3,418.54
MW - 3	Manny	02/15/23	3,464.68	-	-	46.08	0.00	3,418.60
MW - 3	Manny	05/04/23	3,464.68	-	-	45.99	0.00	3,418.69
MW - 3	Manny	09/14/23	3,464.68	-	-	46.30	0.00	3,418.38
MW - 3	Manny	12/05/23	3,464.68	-	-	46.12	0.00	3,418.56
MW - 3	Manny	03/18/24	3,464.68	-	-	46.00	0.00	3,418.68
MW - 3	Manny	06/03/24	3,464.68	56.38	-	45.91	0.00	3,418.77
MW - 3	Manny	09/26/24	3,464.68	56.38	-	46.28	0.00	3,418.40
MW - 3	Manny	11/05/24	3,464.68	56.37	-	46.30	0.00	3,418.38
MW - 4		03/08/00	3,465.76	-	-	46.80	0.00	3,418.96
MW - 4		05/12/00	3,465.76	-	-	45.87	0.00	3,419.89
MW - 4		09/11/00	3,465.76	-	-	46.83	0.00	3,418.93
MW - 4		12/11/00	3,465.76	-	-	46.89	0.00	3,418.87
MW - 4		03/19/01	3,465.76	-	-	46.80	0.00	3,418.96
MW - 4		05/30/01	3,465.76	-	-	46.89	0.00	3,418.87
MW - 4		09/25/01	3,465.76	-	-	47.05	0.00	3,418.71
MW - 4		11/20/01	3,465.76	-	-	47.07	0.00	3,418.69
MW - 4		02/20/02	3,465.76	-	-	47.02	0.00	3,418.74
MW - 4		06/25/02	3,465.76	-	-	47.13	0.00	3,418.63
MW - 4		09/17/02	3,465.76	-	-	47.11	0.00	3,418.65
MW - 4		11/20/02	3,465.76	-	-	47.10	0.00	3,418.66
MW - 4		01/21/03	3,465.76	-	-	46.94	0.00	3,418.82
MW - 4		02/10/03	3,465.76	-	-	46.95	0.00	3,418.81
MW - 4		05/15/03	3,465.76	-	-	47.02	0.00	3,418.74

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
SRS NO. HDO 90-23
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 4		08/26/03	3,465.76	-	-	47.19	0.00	3,418.57
MW - 4		11/24/03	3,465.76	-	-	47.26	0.00	3,418.50
MW - 4		02/18/04	3,465.76	-	-	47.22	0.00	3,418.54
MW - 4		05/03/04	3,465.76	-	48.28	48.50	0.22	3,417.45
MW - 4		05/12/04	3,465.76	-	-	46.96	0.00	3,418.80
MW - 4		08/23/04	3,465.76	-	-	46.46	0.00	3,419.30
MW - 4		12/07/04	3,465.76	-	-	45.81	0.00	3,419.95
MW - 4		03/09/05	3,465.76	-	-	45.89	0.00	3,419.87
MW - 4		06/09/05	3,465.76	-	46.96	47.05	0.09	3,418.79
MW - 4		08/09/05	3,465.76	-	-	45.84	0.00	3,419.92
MW - 4		09/01/05	3,465.76	-	-	45.67	0.00	3,420.09
MW - 4		09/08/05	3,465.76	-	-	45.71	0.00	3,420.05
MW - 4		11/10/05	3,465.76	-	-	45.83	0.00	3,419.93
MW - 4		12/01/05	3,465.76	-	-	45.90	0.00	3,419.86
MW - 4		03/07/06	3,465.76	-	-	45.96	0.00	3,419.80
MW - 4		06/06/06	3,465.76	-	-	46.03	0.00	3,419.73
MW - 4		09/15/06	3,465.76	-	-	45.97	0.00	3,419.79
MW - 4		11/20/06	3,465.76	-	-	46.02	0.00	3,419.74
MW - 4		02/23/07	3,465.76	-	-	46.06	0.00	3,419.70
MW - 4		05/18/07	3,465.76	-	-	46.03	0.00	3,419.73
MW - 4		08/21/07	3,465.76	-	-	46.08	0.00	3,419.68
MW - 4		11/05/07	3,465.76	-	-	46.09	0.00	3,419.67
MW - 4		02/08/08	3,465.76	-	-	46.11	0.00	3,419.65
MW - 4		05/08/08	3,465.76	-	-	46.00	0.00	3,419.76
MW - 4		06/05/08	3,465.76	-	-	46.40	0.00	3,419.36
MW - 4		08/13/08	3,465.76	-	-	46.44	0.00	3,419.32
MW - 4		11/06/08	3,465.76	-	-	46.28	0.00	3,419.48
MW - 4		02/04/09	3,465.76	-	-	46.28	0.00	3,419.48
MW - 4		05/08/09	3,465.76	-	-	46.17	0.00	3,419.59
MW - 4		08/05/09	3,465.76	-	-	46.25	0.00	3,419.51
MW - 4		11/16/09	3,465.76	-	-	46.39	0.00	3,419.37
MW - 4		01/06/10	3,465.76	-	-	46.31	0.00	3,419.45
MW - 4		02/08/10	3,465.76	-	-	46.31	0.00	3,419.45
MW - 4		05/11/10	3,465.76	-	-	46.37	0.00	3,419.39
MW - 4		08/10/10	3,465.76	-	-	46.36	0.00	3,419.40
MW - 4		11/09/10	3,465.76	-	-	46.40	0.00	3,419.36
MW - 4		02/15/11	3,465.76	-	-	46.40	0.00	3,419.36
MW - 4		05/05/11	3,465.76	-	-	46.41	0.00	3,419.35
MW - 4		08/04/11	3,465.76	-	-	46.40	0.00	3,419.36
MW - 4		11/21/11	3,465.76	-	-	46.61	0.00	3,419.15
MW - 4		02/13/12	3,465.76	-	-	46.52	0.00	3,419.24
MW - 4		05/29/12	3,465.76	-	-	46.44	0.00	3,419.32
MW - 4		08/10/12	3,465.76	-	-	46.56	0.00	3,419.20
MW - 4		11/06/12	3,465.76	-	-	46.59	0.00	3,419.17
MW - 4		02/06/13	3,465.76	-	-	46.52	0.00	3,419.24
MW - 4		05/08/13	3,465.76	-	-	46.52	0.00	3,419.24
MW - 4		08/01/13	3,465.76	-	-	46.61	0.00	3,419.15
MW - 4		11/05/13	3,465.76	-	-	46.58	0.00	3,419.18
MW - 4	John & Jose	02/26/14	3,465.76	-	-	46.58	0.00	3,419.18
MW - 4	David	05/12/14	3,465.76	-	-	46.60	0.00	3,419.16
MW - 4	David	07/23/14	3,465.76	-	-	46.73	0.00	3,419.03
MW - 4	David	08/11/14	3,465.76	-	-	46.78	0.00	3,418.98
MW - 4	Manny	10/28/14	3,465.76	-	-	46.33	0.00	3,419.43
MW - 4	Manny	11/15/14	3,465.76	-	-	46.32	0.00	3,419.44
MW - 4	Manny	12/18/14	3,465.76	-	-	46.31	0.00	3,419.45
MW - 4	Manny	02/18/15	3,465.76	-	-	46.27	0.00	3,419.49
MW - 4	Manny	03/19/15	3,465.76	-	-	45.28	0.00	3,420.48
MW - 4	Manny/Art	04/16/15	3,465.76	-	-	46.26	0.00	3,419.50
MW - 4	Manny/Art	05/28/15	3,465.76	-	-	46.30	0.00	3,419.46
MW - 4	Carlos/Matt	07/21/15	3,465.76	-	-	46.47	0.00	3,419.29
MW - 4	Manny/Matt	08/20/15	3,465.76	-	-	46.54	0.00	3,419.22
MW - 4	Carlos	09/11/15	3,465.76	-	-	46.53	0.00	3,419.23
MW - 4	Carlos	10/15/15	3,465.76	-	-	46.50	0.00	3,419.26
MW - 4	Manny	11/30/15	3,465.76	-	-	46.43	0.00	3,419.33
MW - 4	Carlos	12/11/15	3,465.76	-	-	46.39	0.00	3,419.37
MW - 4	Carlos	01/19/16	3,465.76	-	-	46.40	0.00	3,419.36
MW - 4	Manny	02/25/16	3,465.76	-	-	46.43	0.00	3,419.33

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
SRS NO. HDO 90-23
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 4	Manny	03/17/16	3,465.76	-	-	46.38	0.00	3,419.38
MW - 4	Carlos	04/13/16	3,465.76	-	-	46.39	0.00	3,419.37
MW - 4	Manny	06/02/16	3,465.76	-	-	46.45	0.00	3,419.31
MW - 4	Carlos	06/30/16	3,465.76	-	-	46.51	0.00	3,419.25
MW - 4	Manny	07/26/16	3,465.76	-	-	46.61	0.00	3,419.15
MW - 4	Manny	09/12/16	3,465.76	-	-	46.37	0.00	3,419.39
MW - 4	Manny	10/12/16	3,465.76	-	-	46.26	0.00	3,419.50
MW - 4	Carlos	12/01/16	3,465.76	-	-	46.30	0.00	3,419.46
MW - 4	Carlos	12/28/16	3,465.76	-	-	46.31	0.00	3,419.45
MW - 4	Carlos	01/25/17	3,465.76	-	-	46.36	0.00	3,419.40
MW - 4	Manny	02/23/17	3,465.76	-	-	46.32	0.00	3,419.44
MW - 4	Carlos	03/30/17	3,465.76	-	-	46.31	0.00	3,419.45
MW - 4	Manny	04/11/17	3,465.76	-	-	46.31	0.00	3,419.45
MW - 4	Manny	05/04/17	3,465.76	-	-	46.31	0.00	3,419.45
MW - 4	Jeremy	06/07/17	3,465.76	-	-	46.34	0.00	3,419.42
MW - 4	Jeremy	07/06/17	3,465.76	-	-	46.33	0.00	3,419.43
MW - 4	Jeremy	08/23/17	3,465.76	-	-	46.53	0.00	3,419.23
MW - 4	Jeremy	10/09/17	3,465.76	-	-	46.59	0.00	3,419.17
MW - 4	Jeremy	11/29/17	3,465.76	-	-	46.61	0.00	3,419.15
MW - 4	Jeremy	12/26/17	3,465.76	-	-	46.63	0.00	3,419.13
MW - 4	Manny	02/28/18	3,465.76	-	-	46.65	0.00	3,419.11
MW - 4	Jeremy	05/24/18	3,465.76	-	-	46.69	0.00	3,419.07
MW - 4	Jeremy	06/28/18	3,465.76	-	-	46.76	0.00	3,419.00
MW - 4	Jeremy	08/21/18	3,465.76	-	-	46.88	0.00	3,418.88
MW - 4	Manny/Elias	12/05/18	3,465.76	-	-	46.95	0.00	3,418.81
MW - 4	Jeremy	12/31/18	3,465.76	-	-	46.97	0.00	3,418.79
MW - 4	Jeremy	01/18/19	3,465.76	-	-	46.94	0.00	3,418.82
MW - 4	Jeremy	02/25/19	3,465.76	-	-	46.95	0.00	3,418.81
MW - 4	Manny	05/21/19	3,465.76	-	-	46.78	0.00	3,418.98
MW - 4	Manny	07/02/19	3,465.76	-	-	46.81	0.00	3,418.95
MW - 4	Manny	07/30/19	3,465.76	-	-	46.87	0.00	3,418.89
MW - 4	Manny	08/21/19	3,465.76	-	-	46.92	0.00	3,418.84
MW - 4	Elias	12/10/19	3,465.76	-	-	46.75	0.00	3,419.01
MW - 4	Elias	01/21/20	3,465.76	-	-	46.75	0.00	3,419.01
MW - 4	Elias	02/25/20	3,465.76	-	-	46.74	0.00	3,419.02
MW - 4	Manny	06/02/20	3,465.76	-	-	46.68	0.00	3,419.08
MW - 4	Manny	09/21/20	3,465.76	-	-	46.96	0.00	3,418.80
MW - 4	Manny	11/13/20	3,465.76	-	-	47.00	0.00	3,418.76
MW - 4	Manny	03/25/21	3,465.76	-	-	46.96	0.00	3,418.80
MW - 4	Manny	05/14/21	3,465.76	-	-	46.92	0.00	3,418.84
MW - 4	Manny	09/07/21	3,465.76	-	-	47.05	0.00	3,418.71
MW - 4	Manny	12/08/21	3,465.76	-	-	47.16	0.00	3,418.60
MW - 4	Manny	12/13/21	3,465.76	-	-	47.18	0.00	3,418.58
MW - 4	Manny	03/16/22	3,465.76	-	-	47.18	0.00	3,418.58
MW - 4	Manny	05/19/22	3,465.76	-	-	47.16	0.00	3,418.60
MW - 4	Manny	09/06/22	3,465.76	-	-	47.30	0.00	3,418.46
MW - 4	Manny	11/30/22	3,465.76	-	-	47.35	0.00	3,418.41
MW - 4	Manny	02/15/23	3,465.76	-	-	47.27	0.00	3,418.49
MW - 4	Manny	05/03/23	3,465.76	-	-	47.20	0.00	3,418.56
MW - 4	Manny	09/13/23	3,465.76	-	-	47.48	0.00	3,418.28
MW - 4	Manny	12/04/23	3,465.76	-	-	47.35	0.00	3,418.41
MW - 4	Manny	03/18/24	3,465.76	-	-	47.21	0.00	3,418.55
MW - 4	Manny	06/03/24	3,465.76	-	-	47.20	0.00	3,418.56
MW - 4	Manny	09/26/24	3,465.76	-	-	47.45	0.00	3,418.31
MW - 4	Manny	11/05/24	3,465.76	52.75	-	47.47	0.00	3,418.29
MW - 5		03/08/00	3,467.40	-	-	48.47	0.00	3,418.93
MW - 5		05/12/00	3,467.40	-	-	48.53	0.00	3,418.87
MW - 5		09/11/00	3,467.40	-	-	48.52	0.00	3,418.88
MW - 5		12/11/00	3,467.40	-	-	48.52	0.00	3,418.88
MW - 5		03/19/01	3,467.40	-	-	48.47	0.00	3,418.93
MW - 5		05/30/01	3,467.40	-	-	48.56	0.00	3,418.84
MW - 5		09/25/01	3,467.40	-	-	48.72	0.00	3,418.68
MW - 5		11/20/01	3,467.40	-	-	48.73	0.00	3,418.67
MW - 5		02/20/02	3,467.40	-	-	48.69	0.00	3,418.71
MW - 5		06/25/02	3,467.40	-	-	48.78	0.00	3,418.62
MW - 5		09/17/02	3,467.40	-	-	48.77	0.00	3,418.63

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

HDO 90 - 23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 5		11/20/02	3,467.40	-	-	48.77	0.00	3,418.63
MW - 5		01/21/03	3,467.40	-	-	48.63	0.00	3,418.77
MW - 5		02/10/03	3,467.40	-	-	48.57	0.00	3,418.83
MW - 5		05/15/03	3,467.40	-	-	48.69	0.00	3,418.71
MW - 5		08/26/03	3,467.40	-	-	48.88	0.00	3,418.52
MW - 5		11/24/03	3,467.40	-	-	48.94	0.00	3,418.46
MW - 5		02/18/04	3,467.40	-	-	48.88	0.00	3,418.52
MW - 5		05/12/04	3,467.40	-	-	48.64	0.00	3,418.76
MW - 5		08/23/04	3,467.40	-	-	48.15	0.00	3,419.25
MW - 5		12/07/04	3,467.40	-	-	47.55	0.00	3,419.85
MW - 5		03/09/05	3,467.40	-	-	47.60	0.00	3,419.80
MW - 5		06/09/05	3,467.40	-	-	47.67	0.00	3,419.73
MW - 5		08/09/05	3,467.40	-	sheen	47.56	0.00	3,419.84
MW - 5		09/01/05	3,467.40	-	-	47.43	0.00	3,419.97
MW - 5		09/08/05	3,467.40	-	-	47.47	0.00	3,419.93
MW - 5		12/01/05	3,467.40	-	-	47.66	0.00	3,419.74
MW - 5		03/07/06	3,467.40	-	-	47.71	0.00	3,419.69
MW - 5		06/06/06	3,467.40	-	-	47.78	0.00	3,419.62
MW - 5		09/15/06	3,467.40	-	-	47.74	0.00	3,419.66
MW - 5		11/20/06	3,467.40	-	-	47.82	0.00	3,419.58
MW - 5		02/23/07	3,467.40	-	-	47.83	0.00	3,419.57
MW - 5		05/18/07	3,467.40	-	-	47.81	0.00	3,419.59
MW - 5		08/21/07	3,467.40	-	-	47.85	0.00	3,419.55
MW - 5		11/05/07	3,467.40	-	-	47.88	0.00	3,419.52
MW - 5		02/08/08	3,467.40	-	-	47.91	0.00	3,419.49
MW - 5		05/08/08	3,467.40	-	-	47.78	0.00	3,419.62
MW - 5		08/13/08	3,467.40	-	-	48.02	0.00	3,419.38
MW - 5		11/06/08	3,467.40	-	-	48.04	0.00	3,419.36
MW - 5		02/04/09	3,467.40	-	-	48.03	0.00	3,419.37
MW - 5		05/08/09	3,467.40	-	-	47.94	0.00	3,419.46
MW - 5		08/05/09	3,467.40	-	-	48.02	0.00	3,419.38
MW - 5		11/16/09	3,467.40	-	-	48.14	0.00	3,419.26
MW - 5		01/06/10	3,467.40	-	-	48.05	0.00	3,419.35
MW - 5		02/08/10	3,467.40	-	-	48.05	0.00	3,419.35
MW - 5		05/11/10	3,467.40	-	-	48.07	0.00	3,419.33
MW - 5		08/10/10	3,467.40	-	-	48.08	0.00	3,419.32
MW - 5		11/09/10	3,467.40	-	-	48.15	0.00	3,419.25
MW - 5		02/15/11	3,467.40	-	-	48.14	0.00	3,419.26
MW - 5		05/05/11	3,467.40	-	-	48.14	0.00	3,419.26
MW - 5		08/04/11	3,467.40	-	-	48.16	0.00	3,419.24
MW - 5		11/21/11	3,467.40	-	-	48.36	0.00	3,419.04
MW - 5		02/13/12	3,467.40	-	-	48.26	0.00	3,419.14
MW - 5		05/29/12	3,467.40	-	-	48.19	0.00	3,419.21
MW - 5		08/10/12	3,467.40	-	-	48.29	0.00	3,419.11
MW - 5		11/06/12	3,467.40	-	-	48.34	0.00	3,419.06
MW - 5		02/06/13	3,467.40	-	-	48.28	0.00	3,419.12
MW - 5		05/08/13	3,467.40	-	-	48.28	0.00	3,419.12
MW - 5		08/01/13	3,467.40	-	-	48.37	0.00	3,419.03
MW - 5		11/05/13	3,467.40	-	-	48.32	0.00	3,419.08
MW - 5	John & Jose	02/26/14	3,467.40	-	-	48.31	0.00	3,419.09
MW - 5	David	05/12/14	3,467.40	-	-	48.33	0.00	3,419.07
MW - 5	David	07/23/14	3,467.40	-	-	48.46	0.00	3,418.94
MW - 5	David	08/11/14	3,467.40	-	-	48.50	0.00	3,418.90
MW - 5	Manny	10/28/14	3,467.40	-	-	48.04	0.00	3,419.36
MW - 5	Manny	11/15/14	3,467.40	-	-	48.01	0.00	3,419.39
MW - 5	Manny	02/18/15	3,467.40	-	-	47.97	0.00	3,419.43
MW - 5	Manny/Art	03/19/15	3,467.40	-	-	47.99	0.00	3,419.41
MW - 5	Manny/Art	04/16/15	3,467.40	-	-	47.98	0.00	3,419.42
MW - 5	Manny/Art	05/28/15	3,467.40	-	-	48.03	0.00	3,419.37
MW - 5	Carlos/Matt	07/21/15	3,467.40	-	-	48.20	0.00	3,419.20
MW - 5	Manny/Matt	08/20/15	3,467.40	-	-	48.27	0.00	3,419.13
MW - 5	Carlos	09/11/15	3,467.40	-	-	48.28	0.00	3,419.12
MW - 5	Carlos	10/15/15	3,467.40	-	-	48.24	0.00	3,419.16
MW - 5	Manny	11/30/15	3,467.40	-	-	48.17	0.00	3,419.23
MW - 5	Carlos	12/11/15	3,467.40	-	-	48.15	0.00	3,419.25
MW - 5	Carlos	01/19/16	3,467.40	-	-	48.14	0.00	3,419.26
MW - 5	Manny	02/25/16	3,467.40	-	-	48.16	0.00	3,419.24

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

HDO 90 - 23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 5	Manny	03/17/16	3,467.40	-	-	48.12	0.00	3,419.28
MW - 5	Carlos	04/13/16	3,467.40	-	-	48.13	0.00	3,419.27
MW - 5	Manny	06/02/16	3,467.40	-	-	48.19	0.00	3,419.21
MW - 5	Carlos	06/30/16	3,467.40	-	-	48.27	0.00	3,419.13
MW - 5	Manny	07/26/16	3,467.40	-	-	48.34	0.00	3,419.06
MW - 5	Manny	08/23/16	3,467.40	-	-	48.30	0.00	3,419.10
MW - 5	Manny	09/12/16	3,467.40	-	-	48.11	0.00	3,419.29
MW - 5	Manny	10/12/16	3,467.40	-	-	47.97	0.00	3,419.43
MW - 5	Carlos	12/01/16	3,467.40	-	-	48.04	0.00	3,419.36
MW - 5	Carlos	12/28/16	3,467.40	-	-	48.05	0.00	3,419.35
MW - 5	Carlos	01/25/17	3,467.40	-	-	48.10	0.00	3,419.30
MW - 5	Manny	02/23/17	3,467.40	-	-	48.02	0.00	3,419.38
MW - 5	Carlos	03/30/17	3,467.40	-	-	48.04	0.00	3,419.36
MW - 5	Manny	04/11/17	3,467.40	-	-	48.07	0.00	3,419.33
MW - 5	Manny	05/04/17	3,467.40	-	-	48.05	0.00	3,419.35
MW - 5	Jeremy	06/07/17	3,467.40	-	-	48.09	0.00	3,419.31
MW - 5	Jeremy	07/06/17	3,467.40	-	-	48.13	0.00	3,419.27
MW - 5	Jeremy	08/23/17	3,467.40	-	-	48.25	0.00	3,419.15
MW - 5	Jeremy	10/09/17	3,467.40	-	-	48.31	0.00	3,419.09
MW - 5	Jeremy	11/29/17	3,467.40	-	-	48.34	0.00	3,419.06
MW - 5	Jeremy	12/26/17	3,467.40	-	-	48.37	0.00	3,419.03
MW - 5	Manny	02/28/18	3,467.40	-	-	48.39	0.00	3,419.01
MW - 5	Jeremy	05/24/18	3,467.40	-	-	48.44	0.00	3,418.96
MW - 5	Jeremy	06/28/18	3,467.40	-	-	48.51	0.00	3,418.89
MW - 5	Jeremy	08/21/18	3,467.40	-	-	48.62	0.00	3,418.78
MW - 5	Manny/Elias	12/05/18	3,467.40	-	-	48.64	0.00	3,418.76
MW - 5	Jeremy	12/31/18	3,467.40	-	-	48.68	0.00	3,418.72
MW - 5	Jeremy	01/18/19	3,467.40	-	-	48.64	0.00	3,418.76
MW - 5	Jeremy	02/25/19	3,467.40	-	-	48.64	0.00	3,418.76
MW - 5	Manny	05/21/19	3,467.40	-	-	47.08	0.00	3,420.32
MW - 5	Manny	07/02/19	3,467.40	-	-	48.53	0.00	3,418.87
MW - 5	Manny	07/30/19	3,467.40	-	-	48.61	0.00	3,418.79
MW - 5	Manny	08/21/19	3,467.40	-	-	48.64	0.00	3,418.76
MW - 5	Elias	12/10/19	3,467.40	-	-	48.45	0.00	3,418.95
MW - 5	Elias	01/21/20	3,467.40	-	-	48.45	0.00	3,418.95
MW - 5	Elias	02/25/20	3,467.40	-	-	48.43	0.00	3,418.97
MW - 5	Manny	06/02/20	3,467.40	-	-	48.40	0.00	3,419.00
MW - 5	Manny	09/21/20	3,467.40	-	-	48.68	0.00	3,418.72
MW - 5	Manny	11/13/20	3,467.40	-	-	48.73	0.00	3,418.67
MW - 5	Manny	03/25/21	3,467.40	-	-	48.68	0.00	3,418.72
MW - 5	Manny	05/14/21	3,467.40	-	-	48.63	0.00	3,418.77
MW - 5	Manny	09/07/21	3,467.40	-	-	48.77	0.00	3,418.63
MW - 5	Manny	12/08/21	3,467.40	-	-	48.88	0.00	3,418.52
MW - 5	Manny	12/13/21	3,467.40	-	-	48.90	0.00	3,418.50
MW - 5	Manny	03/16/22	3,467.40	-	-	48.93	0.00	3,418.47
MW - 5	Manny	05/19/22	3,467.40	-	-	48.86	0.00	3,418.54
MW - 5	Manny	09/06/22	3,467.40	-	-	49.02	0.00	3,418.38
MW - 5	Manny	11/30/22	3,467.40	-	-	49.06	0.00	3,418.34
MW - 5	Manny	02/15/23	3,467.40	-	-	49.02	0.00	3,418.38
MW - 5	Manny	05/03/23	3,467.40	-	-	48.93	0.00	3,418.47
MW - 5	Manny	09/13/23	3,467.40	-	-	49.18	0.00	3,418.22
MW - 5	Manny	12/04/23	3,467.40	-	-	49.05	0.00	3,418.35
MW - 5	Manny	03/18/24	3,467.40	-	-	48.93	0.00	3,418.47
MW - 5	Manny	06/03/24	3,467.40	-	-	48.93	0.00	3,418.47
MW - 5	Manny	09/26/24	3,467.40	-	-	49.18	0.00	3,418.22
MW - 5	Manny	11/05/24	3,467.40	55.05	-	49.20	0.00	3,418.20
MW - 6		03/08/00	3,465.42	-	-	45.98	0.00	3,419.44
MW - 6		05/12/00	3,465.42	-	46.17	46.65	0.48	3,419.18
MW - 6		09/11/00	3,465.42	-	46.06	46.57	0.51	3,419.28
MW - 6		12/11/00	3,465.42	-	46.21	46.43	0.22	3,419.18
MW - 6		03/19/01	3,465.42	-	45.96	45.98	0.02	3,419.46
MW - 6		05/30/01	3,465.42	-	46.13	46.89	0.76	3,419.18
MW - 6		09/25/01	3,465.42	-	46.21	47.81	1.60	3,418.97
MW - 6		11/20/01	3,465.42	-	46.13	48.23	2.10	3,418.98
MW - 6		02/20/02	3,465.42	-	46.05	48.55	2.50	3,419.00
MW - 6		06/25/02	3,465.42	-	46.38	46.81	0.43	3,418.98

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
SRS NO. HDO 90-23
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 6		09/17/02	3,465.42	-	46.35	46.77	0.42	3,419.01
MW - 6		11/07/02	3,465.42	-	46.40	46.69	0.29	3,418.98
MW - 6		11/20/02	3,465.42	-	46.46	46.48	0.02	3,418.96
MW - 6		01/07/03	3,465.42	-	46.30	46.52	0.22	3,419.09
MW - 6		01/13/03	3,465.42	-	46.31	46.47	0.16	3,419.09
MW - 6		01/21/03	3,465.42	-	46.29	46.51	0.22	3,419.10
MW - 6		01/27/03	3,465.42	-	46.26	46.43	0.17	3,419.13
MW - 6		02/10/03	3,465.42	-	46.27	46.51	0.24	3,419.11
MW - 6		02/19/03	3,465.42	-	46.40	46.48	0.08	3,419.01
MW - 6		02/26/03	3,465.42	-	46.23	46.51	0.28	3,419.15
MW - 6		03/05/03	3,465.42	-	46.32	46.51	0.19	3,419.07
MW - 6		03/20/03	3,465.42	-	46.38	46.50	0.12	3,419.02
MW - 6		03/25/03	3,465.42	-	46.26	46.58	0.32	3,419.11
MW - 6		04/03/03	3,465.42	-	46.24	46.47	0.23	3,419.15
MW - 6		04/16/03	3,465.42	-	46.34	46.52	0.18	3,419.05
MW - 6		05/08/03	3,465.42	-	46.35	46.58	0.23	3,419.04
MW - 6		05/15/03	3,465.42	-	46.27	46.55	0.28	3,419.11
MW - 6		05/20/03	3,465.42	-	46.41	46.67	0.26	3,418.97
MW - 6		05/27/03	3,465.42	-	46.38	46.72	0.34	3,418.99
MW - 6		06/03/03	3,465.42	-	46.28	46.86	0.58	3,419.05
MW - 6		06/05/03	3,465.42	-	46.21	47.43	1.22	3,419.03
MW - 6		06/25/03	3,465.42	-	46.44	47.70	1.26	3,418.79
MW - 6		07/02/03	3,465.42	-	46.45	46.74	0.29	3,418.93
MW - 6		07/07/03	3,465.42	-	46.35	47.90	1.55	3,418.84
MW - 6		07/30/03	3,465.42	-	46.23	47.93	1.70	3,418.94
MW - 6		08/04/03	3,465.42	-	46.45	48.12	1.67	3,418.72
MW - 6		08/13/03	3,465.42	-	46.52	46.68	0.16	3,418.88
MW - 6		08/20/03	3,465.42	-	46.52	48.42	1.90	3,418.62
MW - 6		08/26/03	3,465.42	-	46.76	46.78	0.02	3,418.66
MW - 6		09/08/03	3,465.42	-	46.76	46.97	0.21	3,418.63
MW - 6		09/15/03	3,465.42	-	46.78	46.92	0.14	3,418.62
MW - 6		09/24/03	3,465.42	-	46.77	46.99	0.22	3,418.62
MW - 6		09/30/03	3,465.42	-	46.51	46.55	0.04	3,418.90
MW - 6		10/07/03	3,465.42	-	46.46	47.15	0.69	3,418.86
MW - 6		10/14/03	3,465.42	-	46.71	47.82	1.11	3,418.54
MW - 6		10/27/03	3,465.42	-	46.67	48.10	1.43	3,418.54
MW - 6		11/04/03	3,465.42	-	46.86	47.53	0.67	3,418.46
MW - 6		11/10/03	3,465.42	-	46.96	47.71	0.75	3,418.35
MW - 6		11/17/03	3,465.42	-	46.48	47.71	1.23	3,418.76
MW - 6		11/24/03	3,465.42	-	46.49	47.85	1.36	3,418.73
MW - 6		12/08/03	3,465.42	-	46.43	47.98	1.55	3,418.76
MW - 6		01/02/04	3,465.42	-	46.28	47.95	1.67	3,418.89
MW - 6		01/06/04	3,465.42	-	46.26	47.83	1.57	3,418.92
MW - 6		01/27/04	3,465.42	-	46.74	48.63	1.89	3,418.40
MW - 6		02/02/04	3,465.42	-	46.81	48.62	1.81	3,418.34
MW - 6		02/18/04	3,465.42	-	46.25	47.74	1.49	3,418.95
MW - 6		02/23/04	3,465.42	-	46.36	47.09	0.73	3,418.95
MW - 6		03/01/04	3,465.42	-	46.37	47.08	0.71	3,418.94
MW - 6		03/10/04	3,465.42	-	46.34	47.09	0.75	3,418.97
MW - 6		03/15/04	3,465.42	-	46.15	48.56	2.41	3,418.91
MW - 6		03/23/04	3,465.42	-	46.65	49.16	2.51	3,418.39
MW - 6		03/30/04	3,465.42	-	46.69	49.10	2.41	3,418.37
MW - 6		04/07/04	3,465.42	-	46.64	49.12	2.48	3,418.41
MW - 6		04/12/04	3,465.42	-	46.62	49.10	2.48	3,418.43
MW - 6		04/15/04	3,465.42	-	46.62	48.75	2.13	3,418.48
MW - 6		04/19/04	3,465.42	-	46.08	48.04	1.96	3,419.05
MW - 6		05/03/04	3,465.42	-	46.28	48.19	1.91	3,418.85
MW - 6		05/11/04	3,465.42	-	46.46	47.73	1.27	3,418.77
MW - 6		05/12/04	3,465.42	-	46.09	47.27	1.18	3,419.15
MW - 6		06/09/04	3,465.42	-	45.98	47.59	1.61	3,419.20
MW - 6		06/16/04	3,465.42	-	45.99	47.60	1.61	3,419.19
MW - 6		06/22/04	3,465.42	-	45.96	48.00	2.04	3,419.15
MW - 6		07/07/04	3,465.42	-	45.92	48.01	2.09	3,419.19
MW - 6		07/13/04	3,465.42	-	45.98	47.99	2.01	3,419.14
MW - 6		07/21/04	3,465.42	-	45.57	46.46	0.89	3,419.72
MW - 6		08/11/04	3,465.42	-	45.58	46.49	0.91	3,419.70
MW - 6		08/17/04	3,465.42	-	45.65	46.54	0.89	3,419.64

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
SRS NO. HDO 90-23
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 6		08/23/04	3,465.42	-	45.60	46.12	0.52	3,419.74
MW - 6		09/13/04	3,465.42	-	45.67	46.24	0.57	3,419.66
MW - 6		09/20/04	3,465.42	-	45.65	45.99	0.34	3,419.72
MW - 6		09/29/04	3,465.42	-	45.99	46.50	0.51	3,419.35
MW - 6		10/04/04	3,465.42	-	45.89	46.52	0.63	3,419.44
MW - 6		10/12/04	3,465.42	-	44.75	45.00	0.25	3,420.63
MW - 6		10/19/04	3,465.42	-	44.80	45.16	0.36	3,420.57
MW - 6		10/25/04	3,465.42	-	44.89	45.06	0.17	3,420.50
MW - 6		11/01/04	3,465.42	-	45.05	45.25	0.20	3,420.34
MW - 6		11/09/04	3,465.42	-	45.03	45.11	0.08	3,420.38
MW - 6		11/17/04	3,465.42	-	45.08	45.41	0.33	3,420.29
MW - 6		11/29/04	3,465.42	-	45.18	45.45	0.27	3,420.20
MW - 6		12/07/04	3,465.42	-	45.12	45.41	0.29	3,420.26
MW - 6		12/13/04	3,465.42	-	45.19	45.45	0.26	3,420.19
MW - 6		12/20/04	3,465.42	-	45.22	45.40	0.18	3,420.17
MW - 6		12/30/04	3,465.42	-	45.19	45.50	0.31	3,420.18
MW - 6		01/03/05	3,465.42	-	45.21	45.47	0.26	3,420.17
MW - 6		01/10/05	3,465.42	-	45.28	45.36	0.08	3,420.13
MW - 6		01/17/05	3,465.42	-	45.21	45.59	0.38	3,420.15
MW - 6		01/24/05	3,465.42	-	45.22	45.52	0.30	3,420.16
MW - 6		01/31/05	3,465.42	-	45.23	45.47	0.24	3,420.15
MW - 6		02/07/05	3,465.42	-	45.35	45.70	0.35	3,420.02
MW - 6		02/14/05	3,465.42	-	45.25	45.48	0.23	3,420.14
MW - 6		02/21/05	3,465.42	-	45.26	45.54	0.28	3,420.12
MW - 6		02/28/05	3,465.42	-	45.28	45.40	0.12	3,420.12
MW - 6		03/07/05	3,465.42	-	45.26	45.40	0.14	3,420.14
MW - 6		03/09/05	3,465.42	-	45.26	45.40	0.14	3,420.14
MW - 6		03/16/05	3,465.42	-	45.29	45.45	0.16	3,420.11
MW - 6		03/21/05	3,465.42	-	45.26	45.55	0.29	3,420.12
MW - 6		03/28/05	3,465.42	-	45.25	45.60	0.35	3,420.12
MW - 6		04/04/05	3,465.42	-	sheen	45.25	0.00	3,420.17
MW - 6		04/13/05	3,465.42	-	45.30	45.50	0.20	3,420.09
MW - 6		04/18/05	3,465.42	-	45.25	45.40	0.15	3,420.15
MW - 6		05/23/05	3,465.42	-	45.28	45.68	0.40	3,420.08
MW - 6		06/09/05	3,465.42	-	45.30	45.70	0.40	3,420.06
MW - 6		06/21/05	3,465.42	-	45.35	45.75	0.40	3,420.01
MW - 6		07/14/05	3,465.42	-	45.34	45.70	0.36	3,420.03
MW - 6		07/26/05	3,465.42	-	45.37	45.63	0.26	3,420.01
MW - 6		08/09/05	3,465.42	-	45.04	45.23	0.19	3,420.35
MW - 6		08/25/05	3,465.42	-	44.94	45.10	0.16	3,420.46
MW - 6		09/01/05	3,465.42	-	44.96	45.08	0.12	3,420.44
MW - 6		09/08/05	3,465.42	-	45.01	45.34	0.33	3,420.36
MW - 6		09/13/05	3,465.42	-	45.05	45.41	0.36	3,420.32
MW - 6		09/26/05	3,465.42	-	45.14	45.34	0.20	3,420.25
MW - 6		10/11/05	3,465.42	-	45.17	45.50	0.33	3,420.20
MW - 6		10/25/05	3,465.42	-	45.14	45.65	0.51	3,420.20
MW - 6		11/10/05	3,465.42	-	45.16	45.72	0.56	3,420.18
MW - 6		11/14/05	3,465.42	-	45.17	45.75	0.58	3,420.16
MW - 6		12/01/05	3,465.42	-	45.20	45.82	0.62	3,420.13
MW - 6		12/28/05	3,465.42	-	45.26	45.96	0.70	3,420.06
MW - 6		01/11/06	3,465.42	-	45.25	46.00	0.75	3,420.06
MW - 6		01/25/06	3,465.42	-	45.30	46.06	0.76	3,420.01
MW - 6		02/08/06	3,465.42	-	45.25	46.03	0.78	3,420.05
MW - 6		02/23/06	3,465.42	-	45.26	45.99	0.73	3,420.05
MW - 6		03/07/06	3,465.42	-	45.25	46.06	0.81	3,420.05
MW - 6		03/08/06	3,465.42	-	45.25	46.05	0.80	3,420.05
MW - 6		03/20/06	3,465.42	-	45.27	46.10	0.83	3,420.03
MW - 6		03/30/06	3,465.42	-	45.27	46.06	0.79	3,420.03
MW - 6		05/03/06	3,465.42	-	45.30	46.15	0.85	3,419.99
MW - 6		06/01/06	3,465.42	-	45.31	46.42	1.11	3,419.94
MW - 6		06/06/06	3,465.42	-	45.33	46.21	0.88	3,419.96
MW - 6		06/14/06	3,465.42	-	45.31	46.39	1.08	3,419.95
MW - 6		06/29/06	3,465.42	-	45.35	46.24	0.89	3,419.94
MW - 6		07/13/06	3,465.42	-	45.34	46.23	0.89	3,419.95
MW - 6		07/27/06	3,465.42	-	45.36	46.31	0.95	3,419.92
MW - 6		08/10/06	3,465.42	-	45.38	46.32	0.94	3,419.90
MW - 6		09/15/06	3,465.42	-	45.29	46.18	0.89	3,420.00

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

HDO 90 - 23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 6		10/03/06	3,465.42	-	45.31	46.19	0.88	3,419.98
MW - 6		11/20/06	3,465.42	-	45.34	46.34	1.00	3,419.93
MW - 6		01/11/07	3,465.42	-	45.35	46.36	1.01	3,419.92
MW - 6		02/15/07	3,465.42	-	45.34	46.40	1.06	3,419.92
MW - 6		02/23/07	3,465.42	-	45.39	46.48	1.09	3,419.87
MW - 6		03/08/07	3,465.42	-	45.39	46.53	1.14	3,419.86
MW - 6		03/28/07	3,465.42	-	45.39	46.08	0.69	3,419.93
MW - 6		04/25/07	3,465.42	-	45.34	46.40	1.06	3,419.92
MW - 6		05/04/07	3,465.42	-	45.32	46.28	0.96	3,419.96
MW - 6		05/18/07	3,465.42	-	45.31	46.24	0.93	3,419.97
MW - 6		06/14/07	3,465.42	-	45.29	46.16	0.87	3,420.00
MW - 6		07/12/07	3,465.42	-	45.29	46.18	0.89	3,420.00
MW - 6		08/21/07	3,465.42	-	45.33	46.36	1.03	3,419.94
MW - 6		09/14/07	3,465.42	-	45.37	46.46	1.09	3,419.89
MW - 6		09/26/07	3,465.42	-	45.37	46.44	1.07	3,419.89
MW - 6		10/03/07	3,465.42	-	45.38	46.35	0.97	3,419.89
MW - 6		10/10/07	3,465.42	-	45.40	46.42	1.02	3,419.87
MW - 6		10/17/07	3,465.42	-	45.34	46.31	0.97	3,419.93
MW - 6		11/05/07	3,465.42	-	45.34	46.33	0.99	3,419.93
MW - 6		11/07/07	3,465.42	-	45.36	46.35	0.99	3,419.91
MW - 6		12/18/07	3,465.42	-	45.33	46.38	1.05	3,419.93
MW - 6		02/15/08	3,465.42	-	45.33	46.34	1.01	3,419.94
MW - 6		02/22/08	3,465.42	-	45.33	46.29	0.96	3,419.95
MW - 6		04/04/08	3,465.42	-	45.33	46.32	0.99	3,419.94
MW - 6		05/08/08	3,465.42	-	45.31	46.34	1.03	3,419.96
MW - 6		05/16/08	3,465.42	-	45.33	46.31	0.98	3,419.94
MW - 6		06/05/08	3,465.42	-	45.31	46.30	0.99	3,419.96
MW - 6		06/27/08	3,465.42	-	45.38	46.48	1.10	3,419.88
MW - 6		07/15/08	3,465.42	-	45.42	46.61	1.19	3,419.82
MW - 6		08/12/08	3,465.42	-	45.45	46.76	1.31	3,419.77
MW - 6		08/13/08	3,465.42	-	45.45	46.76	1.31	3,419.77
MW - 6		09/25/08	3,465.42	-	45.49	46.81	1.32	3,419.73
MW - 6		09/30/08	3,465.42	-	45.47	46.68	1.21	3,419.77
MW - 6		10/08/08	3,465.42	-	45.47	46.73	1.26	3,419.76
MW - 6		10/24/08	3,465.42	-	45.43	46.73	1.30	3,419.80
MW - 6		11/06/08	3,465.42	-	45.46	46.76	1.30	3,419.77
MW - 6		11/08/08	3,465.42	-	45.43	46.38	0.95	3,419.85
MW - 6		12/17/08	3,465.42	-	45.50	46.89	1.39	3,419.71
MW - 6		12/30/08	3,465.42	-	46.28	46.45	0.17	3,419.11
MW - 6		01/07/09	3,465.42	-	45.48	46.87	1.39	3,419.73
MW - 6		01/22/09	3,465.42	-	46.34	46.51	0.17	3,419.05
MW - 6		01/26/09	3,465.42	-	45.45	46.82	1.37	3,419.76
MW - 6		02/05/09	3,465.42	-	45.46	46.76	1.30	3,419.77
MW - 6		02/13/09	3,465.42	-	45.43	46.79	1.36	3,419.79
MW - 6		02/27/09	3,465.42	-	45.49	46.70	1.21	3,419.75
MW - 6		03/03/09	3,465.42	-	45.33	46.75	1.42	3,419.88
MW - 6		03/10/09	3,465.42	-	45.35	46.68	1.33	3,419.87
MW - 6		03/18/09	3,465.42	-	45.44	46.50	1.06	3,419.82
MW - 6		03/27/09	3,465.42	-	45.43	46.43	1.00	3,419.84
MW - 6		04/02/09	3,465.42	-	45.60	46.75	1.15	3,419.65
MW - 6		04/07/09	3,465.42	-	45.44	46.41	0.97	3,419.83
MW - 6		04/14/09	3,465.42	-	45.44	46.35	0.91	3,419.84
MW - 6		04/28/09	3,465.42	-	45.44	46.39	0.95	3,419.84
MW - 6		05/07/09	3,465.42	-	45.43	46.19	0.76	3,419.88
MW - 6		05/08/09	3,465.42	-	45.43	46.19	0.76	3,419.88
MW - 6		06/02/09	3,465.42	-	45.42	46.60	1.18	3,419.82
MW - 6		06/11/09	3,465.42	-	45.42	46.53	1.11	3,419.83
MW - 6		06/16/09	3,465.42	-	45.41	46.33	0.92	3,419.87
MW - 6		06/26/09	3,465.42	-	45.44	46.43	0.99	3,419.83
MW - 6		06/30/09	3,465.42	-	45.42	46.31	0.89	3,419.87
MW - 6		07/07/09	3,465.42	-	45.46	46.54	1.08	3,419.80
MW - 6		07/15/09	3,465.42	-	45.50	46.59	1.09	3,419.76
MW - 6		07/21/09	3,465.42	-	45.57	46.57	1.00	3,419.70
MW - 6		07/28/09	3,465.42	-	45.43	46.53	1.10	3,419.83
MW - 6		07/31/09	3,465.42	-	45.51	46.55	1.04	3,419.75
MW - 6		08/05/09	3,465.42	-	45.49	46.61	1.12	3,419.76
MW - 6		08/06/09	3,465.42	-	45.45	46.60	1.15	3,419.80

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
SRS NO. HDO 90-23
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 6		08/13/09	3,465.42	-	45.47	46.59	1.12	3,419.78
MW - 6		08/19/09	3,465.42	-	45.49	46.52	1.03	3,419.78
MW - 6		08/25/09	3,465.42	-	45.53	46.55	1.02	3,419.74
MW - 6		09/01/09	3,465.42	-	45.53	46.75	1.22	3,419.71
MW - 6		09/08/09	3,465.42	-	45.43	46.53	1.10	3,419.83
MW - 6		09/15/09	3,465.42	-	45.44	46.51	1.07	3,419.82
MW - 6		09/25/09	3,465.42	-	45.53	46.96	1.43	3,419.68
MW - 6		09/28/09	3,465.42	-	45.59	46.79	1.20	3,419.65
MW - 6		10/02/09	3,465.42	-	45.58	46.73	1.15	3,419.67
MW - 6		10/05/09	3,465.42	-	45.63	46.62	0.99	3,419.64
MW - 6		10/06/09	3,465.42	-	45.60	46.72	1.12	3,419.65
MW - 6		10/09/09	3,465.42	-	45.60	46.72	1.12	3,419.65
MW - 6		10/12/09	3,465.42	-	45.66	46.66	1.00	3,419.61
MW - 6		10/22/09	3,465.42	-	45.55	46.91	1.36	3,419.67
MW - 6		10/29/09	3,465.42	-	45.57	46.80	1.23	3,419.67
MW - 6		11/06/09	3,465.42	-	45.57	46.82	1.25	3,419.66
MW - 6		11/16/09	3,465.42	-	45.61	47.00	1.39	3,419.60
MW - 6		11/25/09	3,465.42	-	45.55	46.93	1.38	3,419.66
MW - 6		12/11/09	3,465.42	-	45.55	46.93	1.38	3,419.66
MW - 6		12/22/09	3,465.42	-	45.45	46.43	0.98	3,419.82
MW - 6		01/06/09	3,465.42	-	45.54	46.96	1.42	3,419.67
MW - 6		01/20/10	3,465.42	-	45.50	46.79	1.29	3,419.73
MW - 6		02/08/10	3,465.42	-	45.56	46.95	1.39	3,419.65
MW - 6		03/03/10	3,465.42	-	45.53	46.99	1.46	3,419.67
MW - 6		03/16/10	3,465.42	-	45.51	46.77	1.26	3,419.72
MW - 6		03/23/10	3,465.42	-	45.58	46.71	1.13	3,419.67
MW - 6		04/05/10	3,465.42	-	45.46	46.61	1.15	3,419.79
MW - 6		04/15/10	3,465.42	-	45.57	46.85	1.28	3,419.66
MW - 6		05/11/10	3,465.42	-	45.54	46.88	1.34	3,419.68
MW - 6		05/26/10	3,465.42	-	45.50	46.86	1.36	3,419.72
MW - 6		06/08/10	3,465.42	-	45.49	46.82	1.33	3,419.73
MW - 6		06/16/10	3,465.42	-	45.53	46.79	1.26	3,419.70
MW - 6		06/25/10	3,465.42	-	45.59	46.91	1.32	3,419.63
MW - 6		07/08/10	3,465.42	-	45.55	47.05	1.50	3,419.65
MW - 6		07/13/10	3,465.42	-	45.55	46.65	1.10	3,419.71
MW - 6		07/28/10	3,465.42	-	45.45	46.54	1.09	3,419.81
MW - 6		08/04/10	3,465.42	-	45.46	46.59	1.13	3,419.79
MW - 6		08/10/10	3,465.42	-	45.58	46.92	1.34	3,419.64
MW - 6		08/19/10	3,465.42	-	45.49	46.81	1.32	3,419.73
MW - 6		08/27/10	3,465.42	-	45.51	46.83	1.32	3,419.71
MW - 6		09/03/10	3,465.42	-	45.55	46.85	1.30	3,419.68
MW - 6		09/09/10	3,465.42	-	45.59	46.90	1.31	3,419.63
MW - 6		09/17/10	3,465.42	-	45.47	46.72	1.25	3,419.76
MW - 6		10/01/10	3,465.42	-	45.58	46.87	1.29	3,419.65
MW - 6		10/06/10	3,465.42	-	45.59	46.87	1.28	3,419.64
MW - 6		10/13/10	3,465.42	-	45.54	47.10	1.56	3,419.65
MW - 6		10/26/10	3,465.42	-	45.61	46.85	1.24	3,419.62
MW - 6		11/05/10	3,465.42	-	45.51	47.06	1.55	3,419.68
MW - 6		11/09/10	3,465.42	-	45.60	46.83	1.23	3,419.64
MW - 6		11/12/10	3,465.42	-	45.48	47.02	1.54	3,419.71
MW - 6		12/10/10	3,465.42	-	45.55	46.93	1.38	3,419.66
MW - 6		12/13/10	3,465.42	-	45.62	46.82	1.20	3,419.62
MW - 6		01/27/11	3,465.42	-	45.61	46.85	1.24	3,419.62
MW - 6		02/15/11	3,465.42	-	45.59	46.85	1.26	3,419.64
MW - 6		05/05/11	3,465.42	-	45.60	46.82	1.22	3,419.64
MW - 6		05/12/11	3,465.42	-	45.57	47.36	1.79	3,419.58
MW - 6		05/16/11	3,465.42	-	45.59	47.21	1.62	3,419.59
MW - 6		05/26/11	3,465.42	-	45.60	47.15	1.55	3,419.59
MW - 6		06/09/11	3,465.42	-	45.59	47.41	1.82	3,419.56
MW - 6		06/29/11	3,465.42	-	45.61	47.44	1.83	3,419.54
MW - 6		07/05/11	3,465.42	-	45.60	47.48	1.88	3,419.54
MW - 6		07/15/11	3,465.42	-	45.63	47.58	1.95	3,419.50
MW - 6		07/22/11	3,465.42	-	45.62	47.60	1.98	3,419.50
MW - 6		07/28/11	3,465.42	-	45.65	47.59	1.94	3,419.48
MW - 6		08/04/11	3,465.42	-	45.63	47.65	2.02	3,419.49
MW - 6		08/11/11	3,465.42	-	45.64	47.60	1.96	3,419.49
MW - 6		08/24/11	3,465.42	-	45.68	47.68	2.00	3,419.44

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

HDO 90 - 23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 6		09/02/11	3,465.42	-	45.74	47.55	1.81	3,419.41
MW - 6		09/07/11	3,465.42	-	45.71	47.66	1.95	3,419.42
MW - 6		09/09/11	3,465.42	-	45.78	47.70	1.92	3,419.35
MW - 6		09/23/11	3,465.42	-	45.77	47.39	1.62	3,419.41
MW - 6		11/21/11	3,465.42	-	45.68	47.78	2.10	3,419.43
MW - 6		11/28/11	3,465.42	-	45.69	47.89	2.20	3,419.40
MW - 6		12/09/11	3,465.42	-	45.68	47.84	2.16	3,419.42
MW - 6		12/21/11	3,465.42	-	45.68	47.70	2.02	3,419.44
MW - 6		01/26/12	3,465.42	-	45.64	47.65	2.01	3,419.48
MW - 6		02/02/12	3,465.42	-	45.63	47.64	2.01	3,419.49
MW - 6		02/07/12	3,465.42	-	45.67	47.42	1.75	3,419.49
MW - 6		02/13/12	3,465.42	-	45.63	47.51	1.88	3,419.51
MW - 6		03/07/12	3,465.42	-	45.61	47.48	1.87	3,419.53
MW - 6		03/23/12	3,465.42	-	45.65	47.38	1.73	3,419.51
MW - 6		03/30/12	3,465.42	-	45.63	47.27	1.64	3,419.54
MW - 6		04/05/12	3,465.42	-	45.63	47.23	1.60	3,419.55
MW - 6		04/13/12	3,465.42	-	45.64	46.27	0.63	3,419.69
MW - 6		04/26/12	3,465.42	-	45.62	47.13	1.51	3,419.57
MW - 6		05/03/12	3,465.42	-	45.62	47.16	1.54	3,419.57
MW - 6		05/07/12	3,465.42	-	45.62	47.06	1.44	3,419.58
MW - 6		05/29/12	3,465.42	-	45.60	47.34	1.74	3,419.56
MW - 6		06/08/12	3,465.42	-	45.60	47.39	1.79	3,419.55
MW - 6		06/15/12	3,465.42	-	45.62	47.41	1.79	3,419.53
MW - 6		06/22/12	3,465.42	-	45.61	47.44	1.83	3,419.54
MW - 6		06/29/12	3,465.42	-	45.64	47.43	1.79	3,419.51
MW - 6		07/03/12	3,465.42	-	45.63	47.34	1.71	3,419.53
MW - 6		08/10/12	3,465.42	-	45.85	46.57	0.72	3,419.46
MW - 6		08/17/12	3,465.42	-	45.68	47.79	2.11	3,419.42
MW - 6		09/12/12	3,465.42	-	45.72	47.83	2.11	3,419.38
MW - 6		10/12/12	3,465.42	-	45.73	47.86	2.13	3,419.37
MW - 6		10/17/12	3,465.42	-	45.70	47.89	2.19	3,419.39
MW - 6		10/24/12	3,465.42	-	45.71	47.88	2.17	3,419.38
MW - 6		11/06/12	3,465.42	-	45.69	47.89	2.20	3,419.40
MW - 6		12/14/12	3,465.42	-	45.70	47.60	1.90	3,419.44
MW - 6		12/21/12	3,465.42	-	45.73	47.73	2.00	3,419.39
MW - 6		02/06/13	3,465.42	-	45.66	47.71	2.05	3,419.45
MW - 6		02/20/13	3,465.42	-	45.64	47.64	2.00	3,419.48
MW - 6		03/29/13	3,465.42	-	45.66	47.62	1.96	3,419.47
MW - 6		04/03/13	3,465.42	-	45.66	47.66	2.00	3,419.46
MW - 6		04/09/13	3,465.42	-	45.70	47.35	1.65	3,419.47
MW - 6		04/19/13	3,465.42	-	45.71	47.48	1.77	3,419.44
MW - 6		04/24/13	3,465.42	-	45.71	47.27	1.56	3,419.48
MW - 6		05/02/13	3,465.42	-	45.72	47.50	1.78	3,419.43
MW - 6		05/08/13	3,465.42	-	45.69	47.32	1.63	3,419.49
MW - 6		05/10/13	3,465.42	-	45.70	47.40	1.70	3,419.47
MW - 6		05/17/13	3,465.42	-	45.69	47.31	1.62	3,419.49
MW - 6		05/22/13	3,465.42	-	45.68	47.36	1.68	3,419.49
MW - 6		05/30/13	3,465.42	-	45.67	47.42	1.75	3,419.49
MW - 6		06/05/13	3,465.42	-	45.76	47.27	1.51	3,419.43
MW - 6		06/12/13	3,465.42	-	45.70	47.36	1.66	3,419.47
MW - 6		06/18/13	3,465.42	-	45.70	47.35	1.65	3,419.47
MW - 6		06/25/13	3,465.42	-	45.74	46.91	1.17	3,419.50
MW - 6		07/02/13	3,465.42	-	45.70	47.53	1.83	3,419.45
MW - 6		07/09/13	3,465.42	-	45.72	47.61	1.89	3,419.42
MW - 6		07/26/13	3,465.42	-	45.74	47.73	1.99	3,419.38
MW - 6		07/29/13	3,465.42	-	45.73	47.70	1.97	3,419.39
MW - 6		08/01/13	3,465.42	-	45.74	47.49	1.75	3,419.42
MW - 6		08/06/13	3,465.42	-	45.74	47.64	1.90	3,419.40
MW - 6		08/15/13	3,465.42	-	45.75	47.70	1.95	3,419.38
MW - 6		08/20/13	3,465.42	-	45.76	47.77	2.01	3,419.36
MW - 6		09/12/13	3,465.42	-	45.79	47.90	2.11	3,419.31
MW - 6		09/19/13	3,465.42	-	45.82	47.78	1.96	3,419.31
MW - 6		09/25/13	3,465.42	-	45.79	47.68	1.89	3,419.35
MW - 6		10/01/13	3,465.42	-	45.81	47.88	2.07	3,419.30
MW - 6		10/09/13	3,465.42	-	45.80	47.81	2.01	3,419.32
MW - 6		10/24/13	3,465.42	-	45.73	47.61	1.88	3,419.41
MW - 6		10/29/13	3,465.42	-	45.74	47.48	1.74	3,419.42

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
SRS NO. HDO 90-23
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 6		11/04/13	3,465.42	-	45.73	47.60	1.87	3,419.41
MW - 6		11/05/13	3,465.42	-	45.80	47.24	1.44	3,419.40
MW - 6		12/02/13	3,465.42	-	45.72	47.81	2.09	3,419.39
MW - 6		12/10/13	3,465.42	-	45.73	47.72	1.99	3,419.39
MW - 6		12/17/13	3,465.42	-	45.76	47.68	1.92	3,419.37
MW - 6		12/23/13	3,465.42	-	45.78	47.84	2.06	3,419.33
MW - 6		01/01/14	3,465.42	-	45.70	47.65	1.95	3,419.43
MW - 6		01/07/14	3,465.42	-	45.69	47.71	2.02	3,419.43
MW - 6		01/16/14	3,465.42	-	45.72	47.80	2.08	3,419.39
MW - 6	David Fletcher	01/23/14	3,465.42	-	45.75	47.80	2.05	3,419.36
MW - 6	John F	01/28/14	3,465.42	-	45.75	47.61	1.86	3,419.39
MW - 6	john	02/11/14	3,465.42	-	45.73	47.74	2.01	3,419.39
MW - 6	John & Jose	02/26/14	3,465.42	-	45.71	47.75	2.04	3,419.40
MW - 6	David F.	03/21/14	3,465.42	-	45.65	47.70	2.05	3,419.46
MW - 6	David & Manny	03/29/14	3,465.42	-	45.68	47.61	1.93	3,419.45
MW - 6	David	05/01/14	3,465.42	-	45.73	47.72	1.99	3,419.39
MW - 6	Jose	05/06/14	3,465.42	-	45.76	47.32	1.56	3,419.43
MW - 6	David	05/12/14	3,465.42	-	45.76	47.48	1.72	3,419.40
MW - 6	Baer	05/23/14	3,465.42	-	45.72	47.71	1.99	3,419.40
MW - 6	David/Jose	06/05/14	3,465.42	-	45.72	47.83	2.11	3,419.38
MW - 6	Manny	06/26/14	3,465.42	-	45.79	47.82	2.03	3,419.33
MW - 6	David	07/01/14	3,465.42	-	45.85	47.76	1.91	3,419.28
MW - 6	Manny/Chance	07/08/14	3,465.42	-	45.81	47.92	2.11	3,419.29
MW - 6	Manny	07/17/14	3,465.42	-	45.84	47.96	2.12	3,419.26
MW - 6	David	07/23/14	3,465.42	-	45.87	47.90	2.03	3,419.25
MW - 6	Manny	08/06/14	3,465.42	-	45.85	47.85	2.00	3,419.27
MW - 6	David	08/11/14	3,465.42	-	45.92	47.81	1.89	3,419.22
MW - 6	David	08/21/14	3,465.42	-	45.88	47.10	1.22	3,419.36
MW - 6	David	09/04/14	3,465.42	-	45.88	48.18	2.30	3,419.20
MW - 6	Manny	10/02/14	3,465.42	-	45.33	46.28	0.95	3,419.95
MW - 6	Manny	10/08/14	3,465.42	-	45.39	46.26	0.87	3,419.90
MW - 6	Manny	10/15/14	3,465.42	-	45.48	46.33	0.85	3,419.81
MW - 6	Chance	10/16/14	3,465.42	-	45.52	45.97	0.45	3,419.83
MW - 6	Manny	10/23/14	3,465.42	-	45.51	46.34	0.83	3,419.79
MW - 6	Manny	10/24/14	3,465.42	-	45.51	46.34	0.83	3,419.79
MW - 6	Manny	10/28/14	3,465.42	-	45.54	46.33	0.79	3,419.76
MW - 6	Chance	10/29/14	3,465.42	-	-	-	-	-
MW - 6	Manny	11/07/14	3,465.42	-	45.52	46.48	0.96	3,419.76
MW - 6	Manny	11/15/14	3,465.42	-	45.50	46.46	0.96	3,419.78
MW - 6	Chance	12/11/14	3,465.42	-	45.52	45.96	0.44	3,419.83
MW - 6	Manny	12/18/14	3,465.42	-	45.50	46.59	1.09	3,419.76
MW - 6	Carlos	12/30/14	3,465.42	-	-	-	-	-
MW - 6	Carlos	01/07/15	3,465.42	-	45.56	46.58	1.02	3,419.71
MW - 6	Carlos	01/15/15	3,465.42	-	45.56	46.56	1.00	3,419.71
MW - 6	Carlos	01/28/15	3,465.42	-	45.56	46.61	1.05	3,419.70
MW - 6	Carlos	02/04/15	3,465.42	-	45.50	46.59	1.09	3,419.76
MW - 6	Carlos	02/13/15	3,465.42	-	45.51	46.58	1.07	3,419.75
MW - 6	Carlos	02/17/15	3,465.42	-	45.51	46.62	1.11	3,419.74
MW - 6	Manny	02/18/15	3,465.42	-	45.52	46.47	0.95	3,419.76
MW - 6	Carlos	02/24/15	3,465.42	-	45.50	46.56	1.06	3,419.76
MW - 6	Carlos/Matt	03/10/15	3,465.42	-	45.52	46.62	1.10	3,419.74
MW - 6	Carlos	03/17/15	3,465.42	-	45.53	46.60	1.07	3,419.73
MW - 6	Manny/Art	03/19/15	3,465.42	-	45.51	46.59	1.08	3,419.75
MW - 6	Carlos	03/25/15	3,465.42	-	45.50	46.62	1.12	3,419.75
MW - 6	Carlos/Matt	04/07/15	3,465.42	-	45.52	46.65	1.13	3,419.73
MW - 6	Carlos/Matt	04/14/15	3,465.42	-	45.52	46.63	1.11	3,419.73
MW - 6	Manny/Art	04/16/15	3,465.42	-	45.49	46.63	1.14	3,419.76
MW - 6	Carlos/Matt	04/21/15	3,465.42	-	45.52	46.64	1.12	3,419.73
MW - 6	Carlos	05/06/15	3,465.42	-	45.51	46.61	1.10	3,419.75
MW - 6	Carlos	05/20/15	3,465.42	-	45.53	45.65	0.12	3,419.87
MW - 6	Manny/Art	05/28/15	3,465.42	-	45.54	46.70	1.16	3,419.71
MW - 6	Arthur/ Chance	06/02/15	3,465.42	-	45.54	46.74	1.20	3,419.70
MW - 6	Carlos	06/09/15	3,465.42	-	45.58	46.77	1.19	3,419.66
MW - 6	Carlos	06/18/15	3,465.42	-	45.59	46.76	1.17	3,419.65
MW - 6	Arthur/Carlos	07/03/15	3,465.42	-	45.61	47.04	1.43	3,419.60
MW - 6	Carlos	07/06/15	3,465.42	-	45.58	46.98	1.40	3,419.63
MW - 6	Carlos	07/17/15	3,465.42	-	45.60	47.09	1.49	3,419.60

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

HDO 90 - 23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 6	Carlos/Matt	07/21/15	3,465.42	-	45.62	47.16	1.54	3,419.57
MW - 6	Carlos	07/28/15	3,465.42	-	45.63	47.15	1.52	3,419.56
MW - 6	Carlos	08/05/15	3,465.42	-	45.64	47.21	1.57	3,419.54
MW - 6	Carlos	08/11/15	3,465.42	-	45.65	47.24	1.59	3,419.53
MW - 6	Carlos	08/12/15	3,465.42	-	46.82	46.88	0.06	3,418.59
MW - 6	Manny/Matt	08/20/15	3,465.42	-	45.65	47.53	1.88	3,419.49
MW - 6	Manny	08/21/15	3,465.42	-	45.65	47.53	1.88	3,419.49
MW - 6	Manny/Mark	08/27/15	3,465.42	-	45.69	47.50	1.81	3,419.46
MW - 6	Manny	09/01/15	3,465.42	-	45.70	47.42	1.72	3,419.46
MW - 6	Manny	09/09/15	3,465.42	-	45.70	47.44	1.74	3,419.46
MW - 6	Manny	09/11/15	3,465.42	-	45.71	47.44	1.73	3,419.45
MW - 6	Carlos	09/17/15	3,465.42	-	45.71	47.40	1.69	3,419.46
MW - 6	Manny	09/25/15	3,465.42	-	-	-	-	-
MW - 6	Arthur/Carlos	09/30/15	3,465.42	-	45.68	46.13	0.45	3,419.67
MW - 6	Carlos	10/07/15	3,465.42	-	45.68	47.42	1.74	3,419.48
MW - 6	Carlos	10/13/15	3,465.42	-	45.68	47.49	1.81	3,419.47
MW - 6	Carlos	10/15/15	3,465.42	-	45.72	47.10	1.38	3,419.49
MW - 6	Carlos	10/26/15	3,465.42	-	45.65	47.35	1.70	3,419.52
MW - 6	Manny	11/05/15	3,465.42	-	45.62	47.21	1.59	3,419.56
MW - 6	Carlos	11/09/15	3,465.42	-	45.63	47.05	1.42	3,419.58
MW - 6	Manny	11/30/15	3,465.42	-	45.61	47.24	1.63	3,419.57
MW - 6	Carlos	12/01/15	3,465.42	-	45.61	47.23	1.62	3,419.57
MW - 6	Manny	12/09/15	3,465.42	-	45.60	47.21	1.61	3,419.58
MW - 6	Carlos	12/11/15	3,465.42	-	45.64	46.84	1.20	3,419.60
MW - 6	Carlos	12/15/15	3,465.42	-	45.63	47.25	1.62	3,419.55
MW - 6	Manny	12/24/15	3,465.42	-	45.59	47.13	1.54	3,419.60
MW - 6	Carlos	01/06/16	3,465.42	-	45.58	47.11	1.53	3,419.61
MW - 6	Carlos	01/15/16	3,465.42	-	45.58	47.17	1.59	3,419.60
MW - 6	Carlos	01/19/16	3,465.42	-	45.59	47.17	1.58	3,419.59
MW - 6	Carlos	01/28/16	3,465.42	-	45.59	47.17	1.58	3,419.59
MW - 6	Carlos	02/03/16	3,465.42	-	45.60	47.17	1.57	3,419.58
MW - 6	Carlos	02/11/16	3,465.42	-	45.57	47.15	1.58	3,419.61
MW - 6	Manny	02/19/16	3,465.42	-	45.58	47.60	2.02	3,419.54
MW - 6	Carlos	02/23/16	3,465.42	-	45.60	47.11	1.51	3,419.59
MW - 6	Manny	02/25/16	3,465.42	-	45.62	47.11	1.49	3,419.58
MW - 6	Manny	03/01/16	3,465.42	-	45.60	47.13	1.53	3,419.59
MW - 6	Manny	03/08/16	3,465.42	-	45.60	46.97	1.37	3,419.61
MW - 6	Carlos	03/16/16	3,465.42	-	45.57	47.02	1.45	3,419.63
MW - 6	Manny	03/17/16	3,465.42	-	45.59	47.02	1.43	3,419.62
MW - 6	Manny	03/24/16	3,465.42	-	45.59	47.08	1.49	3,419.61
MW - 6	Carlos	03/29/16	3,465.42	-	45.55	47.05	1.50	3,419.65
MW - 6	Carlos	04/05/16	3,465.42	-	45.58	47.10	1.52	3,419.61
MW - 6	Carlos	04/13/16	3,465.42	-	45.57	47.10	1.53	3,419.62
MW - 6	Manny	04/18/16	3,465.42	-	45.59	47.15	1.56	3,419.60
MW - 6	Carlos	04/25/16	3,465.42	-	45.58	47.09	1.51	3,419.61
MW - 6	Manny	05/03/16	3,465.42	-	45.58	47.08	1.50	3,419.62
MW - 6	Mark	05/12/16	3,465.42	-	45.58	47.12	1.54	3,419.61
MW - 6	Manny	05/27/16	3,465.42	-	45.60	47.20	1.60	3,419.58
MW - 6	Manny	06/02/16	3,465.42	-	45.62	47.17	1.55	3,419.57
MW - 6	Carlos	06/06/16	3,465.42	-	45.61	47.24	1.63	3,419.57
MW - 6	Carlos	06/30/16	3,465.42	-	45.65	47.48	1.83	3,419.50
MW - 6	Carlos	07/05/16	3,465.42	-	45.61	47.52	1.91	3,419.52
MW - 6	Manny	07/14/16	3,465.42	-	45.69	47.66	1.97	3,419.43
MW - 6	Manny	07/19/16	3,465.42	-	45.74	47.50	1.76	3,419.42
MW - 6	Manny	07/26/16	3,465.42	-	45.75	47.58	1.83	3,419.40
MW - 6	Carlos	08/03/16	3,465.42	-	45.74	47.65	1.91	3,419.39
MW - 6	Carlos	08/10/16	3,465.42	-	45.75	47.80	2.05	3,419.36
MW - 6	Carlos	08/15/16	3,465.42	-	45.76	47.80	2.04	3,419.35
MW - 6	Manny	08/23/16	3,465.42	-	45.69	47.72	2.03	3,419.43
MW - 6	Manny	09/12/16	3,465.42	-	45.57	46.97	1.40	3,419.64
MW - 6	Manny	10/07/16	3,465.42	-	45.45	46.42	0.97	3,419.82
MW - 6	Manny	10/12/16	3,465.42	-	45.46	46.43	0.97	3,419.81
MW - 6	Manny	10/19/16	3,465.42	-	45.51	46.48	0.97	3,419.76
MW - 6	Manny	10/28/16	3,465.42	-	45.52	46.55	1.03	3,419.75
MW - 6	Carlos	11/03/16	3,465.42	-	45.53	46.58	1.05	3,419.73
MW - 6	Carlos	11/11/16	3,465.42	-	45.53	46.65	1.12	3,419.72
MW - 6	Carlos	11/15/16	3,465.42	-	45.50	46.64	1.14	3,419.75

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

HDO 90 - 23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 6	Carlos	12/01/16	3,465.42	-	45.53	46.75	1.22	3,419.71
MW - 6	Carlos	12/06/16	3,465.42	-	45.59	46.79	1.20	3,419.65
MW - 6	Carlos	12/13/16	3,465.42	-	45.54	46.81	1.27	3,419.69
MW - 6	Carlos	12/21/16	3,465.42	-	45.54	46.83	1.29	3,419.69
MW - 6	Carlos	12/28/16	3,465.42	-	45.53	46.82	1.29	3,419.70
MW - 6	Carlos	01/03/17	3,465.42	-	45.54	46.88	1.34	3,419.68
MW - 6	Carlos	01/09/17	3,465.42	-	45.55	46.88	1.33	3,419.67
MW - 6	Carlos	01/17/17	3,465.42	-	45.54	46.84	1.30	3,419.69
MW - 6	Carlos	01/25/17	3,465.42	-	45.57	46.90	1.33	3,419.65
MW - 6	Carlos	02/01/17	3,465.42	-	45.54	46.88	1.34	3,419.68
MW - 6	Manny	02/07/17	3,465.42	-	45.55	46.89	1.34	3,419.67
MW - 6	Manny	02/16/17	3,465.42	-	45.55	46.81	1.26	3,419.68
MW - 6	Manny	02/23/17	3,465.42	-	45.55	46.78	1.23	3,419.69
MW - 6	Manny	03/03/17	3,465.42	-	45.57	46.86	1.29	3,419.66
MW - 6	Carlos	03/07/17	3,465.42	-	45.57	46.72	1.15	3,419.68
MW - 6	Carlos	03/14/17	3,465.42	-	45.54	46.74	1.20	3,419.70
MW - 6	Manny	03/24/17	3,465.42	-	45.56	46.78	1.22	3,419.68
MW - 6	Carlos	03/30/17	3,465.42	-	45.53	46.80	1.27	3,419.70
MW - 6	Carlos	04/04/17	3,465.42	-	45.52	46.75	1.23	3,419.72
MW - 6	Manny	04/11/17	3,465.42	-	45.56	46.88	1.32	3,419.66
MW - 6	Manny	04/21/17	3,465.42	-	45.53	46.79	1.26	3,419.70
MW - 6	Jeremy	04/27/17	3,465.42	-	45.54	46.74	1.20	3,419.70
MW - 6	Manny	05/04/17	3,465.42	-	45.56	46.77	1.21	3,419.68
MW - 6	Jeremy	05/09/17	3,465.42	-	45.56	46.81	1.25	3,419.67
MW - 6	Manny	05/18/17	3,465.42	-	45.55	46.80	1.25	3,419.68
MW - 6	Jeremy	05/25/17	3,465.42	-	45.56	46.77	1.21	3,419.68
MW - 6	Jeremy	06/02/17	3,465.42	-	45.57	46.71	1.14	3,419.68
MW - 6	Jeremy	06/07/17	3,465.42	-	45.60	46.84	1.24	3,419.63
MW - 6	Jeremy	06/13/17	3,465.42	-	45.59	46.51	0.92	3,419.69
MW - 6	Jeremy	06/20/17	3,465.42	-	45.67	47.16	1.49	3,419.53
MW - 6	Jeremy	07/06/17	3,465.42	-	45.61	47.14	1.53	3,419.58
MW - 6	Jeremy	07/13/17	3,465.42	-	45.63	45.89	0.26	3,419.75
MW - 6	Jeremy	07/18/17	3,465.42	-	45.64	47.24	1.60	3,419.54
MW - 6	Jeremy	08/10/17	3,465.42	-	45.60	45.77	0.17	3,419.79
MW - 6	Manny	08/18/17	3,465.42	-	45.68	47.48	1.80	3,419.47
MW - 6	Jeremy	08/23/17	3,465.42	-	45.70	45.86	0.16	3,419.70
MW - 6	Jeremy	09/01/17	3,465.42	-	45.67	45.95	0.28	3,419.71
MW - 6	Manny	09/07/17	3,465.42	-	45.69	47.59	1.90	3,419.45
MW - 6	Manny	09/14/17	3,465.42	-	45.68	47.45	1.77	3,419.47
MW - 6	Manny	09/21/17	3,465.42	-	45.72	47.48	1.76	3,419.44
MW - 6	Manny	10/09/17	3,465.42	-	45.69	46.57	0.88	3,419.60
MW - 6	Manny	10/20/17	3,465.42	-	45.71	47.52	1.81	3,419.44
MW - 6	Jeremy	10/26/17	3,465.42	-	45.73	47.69	1.96	3,419.40
MW - 6	Jeremy	10/31/17	3,465.42	-	45.51	47.69	2.18	3,419.58
MW - 6	Jeremy	11/17/17	3,465.42	-	45.71	47.61	1.90	3,419.43
MW - 6	Jeremy	11/29/17	3,465.42	-	45.72	47.65	1.93	3,419.41
MW - 6	Jeremy	12/08/17	3,465.42	-	45.72	47.71	1.99	3,419.40
MW - 6	Manny	12/15/17	3,465.42	-	45.75	47.63	1.88	3,419.39
MW - 6	Manny	12/21/17	3,465.42	-	45.75	47.48	1.73	3,419.41
MW - 6	Jeremy	12/26/17	3,465.42	-	45.79	47.45	1.66	3,419.38
MW - 6	Jeremy	01/04/18	3,465.42	-	45.76	47.63	1.87	3,419.38
MW - 6	Jeremy	01/15/18	3,465.42	-	45.80	47.39	1.59	3,419.38
MW - 6	Jeremy	01/26/18	3,465.42	-	45.78	47.63	1.85	3,419.36
MW - 6	Jeremy	02/02/18	3,465.42	-	45.78	47.62	1.84	3,419.36
MW - 6	Jeremy	02/09/18	3,465.42	-	45.76	47.52	1.76	3,419.40
MW - 6	Jeremy	02/16/18	3,465.42	-	45.80	47.58	1.78	3,419.35
MW - 6	Manny	02/23/18	3,465.42	-	45.81	47.53	1.72	3,419.35
MW - 6	Manny	02/28/18	3,465.42	-	45.81	47.44	1.63	3,419.37
MW - 6	Jeremy	03/05/18	3,465.42	-	45.83	47.39	1.56	3,419.36
MW - 6	Manny	03/16/18	3,465.42	-	45.80	47.63	1.83	3,419.35
MW - 6	Manny	03/28/18	3,465.42	-	45.80	47.50	1.70	3,419.37
MW - 6	Manny	04/06/18	3,465.42	-	45.80	47.60	1.80	3,419.35
MW - 6	Manny	04/11/18	3,465.42	-	45.81	47.40	1.59	3,419.37
MW - 6	Manny	04/18/18	3,465.42	-	45.85	47.52	1.67	3,419.32
MW - 6	Manny	04/25/18	3,465.42	-	45.86	47.53	1.67	3,419.31
MW - 6	Manny	05/04/18	3,465.42	-	45.84	47.60	1.76	3,419.32
MW - 6	Manny	05/10/18	3,465.42	-	45.84	47.48	1.64	3,419.33

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
SRS NO. HDO 90-23
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 6	Manny	05/18/18	3,465.42	-	45.84	47.62	1.78	3,419.31
MW - 6	Jeremy	05/24/18	3,465.42	-	45.85	47.58	1.73	3,419.31
MW - 6	Manny	06/01/18	3,465.42	-	45.82	47.83	2.01	3,419.30
MW - 6	Jeremy	06/14/18	3,465.42	-	45.82	47.87	2.05	3,419.29
MW - 6	Jeremy	06/22/18	3,465.42	-	45.84	47.85	2.01	3,419.28
MW - 6	Jeremy	06/28/18	3,465.42	-	45.88	47.66	1.78	3,419.27
MW - 6	Jeremy	07/03/18	3,465.42	-	45.90	47.71	1.81	3,419.25
MW - 6	Jeremy	07/12/18	3,465.42	-	45.91	47.53	1.62	3,419.27
MW - 6	Jeremy	07/20/18	3,465.42	-	45.94	47.99	2.05	3,419.17
MW - 6	Jeremy	07/25/18	3,465.42	-	45.95	47.88	1.93	3,419.18
MW - 6	Manny	08/08/18	3,465.42	-	45.94	48.20	2.26	3,419.14
MW - 6	Jeremy	08/21/18	3,465.42	-	45.95	48.21	2.26	3,419.13
MW - 6	Manny	08/28/18	3,465.42	-	45.96	48.35	2.39	3,419.10
MW - 6	Jeremy	09/13/18	3,465.42	-	45.98	48.38	2.40	3,419.08
MW - 6	Manny	09/18/18	3,465.42	-	46.03	48.11	2.08	3,419.08
MW - 6	Manny	09/26/18	3,465.42	-	46.06	48.10	2.04	3,419.05
MW - 6	Manny	10/10/18	3,465.42	-	45.99	48.27	2.28	3,419.09
MW - 6	Manny	10/03/18	3,465.42	-	46.05	48.00	1.95	3,419.08
MW - 6	Manny	11/08/18	3,465.42	-	45.98	48.53	2.55	3,419.06
MW - 6	Manny/Elias	11/19/18	3,465.42	-	46.01	48.30	2.29	3,419.07
MW - 6	Manny/Elias	12/05/18	3,465.42	-	46.01	48.32	2.31	3,419.06
MW - 6	Manny/Elias	12/17/18	3,465.42	-	46.02	48.24	2.22	3,419.07
MW - 6	Jeremy	12/31/18	3,465.42	-	46.01	48.12	2.11	3,419.09
MW - 6	Jeremy	01/18/19	3,465.42	-	45.99	48.29	2.30	3,419.09
MW - 6	Jeremy	02/08/19	3,465.42	-	45.99	48.39	2.40	3,419.07
MW - 6	Jeremy	02/25/19	3,465.42	-	-	-	-	-
MW - 6	Jeremy	03/08/19	3,465.42	-	45.97	48.20	2.23	3,419.12
MW - 6	Jeremy	04/03/19	3,465.42	-	45.96	48.09	2.13	3,419.14
MW - 6	Jeremy	04/15/19	3,465.42	-	45.94	47.93	1.99	3,419.18
MW - 6	Manny	05/01/19	3,465.42	-	45.92	47.93	2.01	3,419.20
MW - 6	Manny	05/15/19	3,465.42	-	45.91	47.84	1.93	3,419.22
MW - 6	Manny	05/21/19	3,465.42	-	45.93	47.66	1.73	3,419.23
MW - 6	Manny	05/27/19	3,465.42	-	45.90	47.78	1.88	3,419.24
MW - 6	Manny	06/21/19	3,465.42	-	45.86	47.93	2.07	3,419.25
MW - 6	Manny	07/02/19	3,465.42	-	45.92	48.00	2.08	3,419.19
MW - 6	Manny	07/17/19	3,465.42	-	45.95	48.17	2.22	3,419.14
MW - 6	Manny	07/30/19	3,465.42	-	46.00	48.13	2.13	3,419.10
MW - 6	Manny	08/09/19	3,465.42	-	46.03	48.13	2.10	3,419.08
MW - 6	Manny	08/21/19	3,465.42	-	46.01	48.43	2.42	3,419.05
MW - 6	Manny	10/25/19	3,465.42	-	45.78	48.12	2.34	3,419.29
MW - 6	Manny	11/05/19	3,465.42	-	46.01	48.04	2.03	3,419.11
MW - 6	Elias	12/10/19	3,465.42	-	45.83	48.03	2.20	3,419.26
MW - 6	Elias	12/16/19	3,465.42	-	45.42	48.12	2.70	3,419.60
MW - 6	Elias	01/02/20	3,465.42	-	45.84	47.95	2.11	3,419.26
MW - 6	Elias	01/10/20	3,465.42	-	45.87	47.63	1.76	3,419.29
MW - 6	Elias	01/21/20	3,465.42	-	45.87	47.64	1.77	3,419.28
MW - 6	Elias	02/04/20	3,465.42	-	45.87	47.75	1.88	3,419.27
MW - 6	Manny	02/18/20	3,465.42	-	45.86	47.72	1.86	3,419.28
MW - 6	Manny	02/25/20	3,465.42	-	45.90	47.52	1.62	3,419.28
MW - 6	Manny	06/03/20	3,465.42	-	45.78	48.03	2.25	3,419.30
MW - 6	Manny	09/21/20	3,465.42	-	45.99	48.82	2.83	3,419.01
MW - 6	Manny	10/21/20	3,465.42	-	46.00	48.90	2.90	3,418.99
MW - 6	Manny	11/13/20	3,465.42	-	46.02	48.79	2.77	3,418.98
MW - 6	Manny	03/26/21	3,465.42	-	45.97	48.75	2.78	3,419.03
MW - 6	Manny	04/20/21	3,465.42	-	45.97	48.80	2.83	3,419.03
MW - 6	Manny	05/13/21	3,465.42	-	45.98	48.54	2.56	3,419.06
MW - 6	Manny	06/14/21	3,465.42	-	45.96	48.78	2.82	3,419.04
MW - 6	Manny	08/12/21	3,465.42	-	46.08	48.97	2.89	3,418.91
MW - 6	Manny	09/08/21	3,465.42	-	46.11	48.93	2.82	3,418.89
MW - 6	Manny	10/21/21	3,465.42	-	46.15	49.22	3.07	3,418.81
MW - 6	Manny	12/08/21	3,465.42	-	46.29	48.53	2.24	3,418.79
MW - 6	Manny	12/13/21	3,465.42	-	46.26	48.53	2.27	3,418.82
MW - 6	Manny	01/21/22	3,465.42	-	46.21	49.16	2.95	3,418.77
MW - 6	Manny	03/16/22	3,465.42	-	46.18	49.15	2.97	3,418.79
MW - 6	Manny	03/29/22	3,465.42	-	46.22	48.72	2.50	3,418.83
MW - 6	Manny	04/27/22	3,465.42	-	46.18	48.70	2.52	3,418.86
MW - 6	Manny	05/19/22	3,465.42	-	46.21	48.83	2.62	3,418.82

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

HDO 90 - 23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 6	Manny	07/01/22	3,465.42	-	46.28	49.01	2.73	3,418.73
MW - 6	Manny	09/07/22	3,465.42	-	46.30	49.62	3.32	3,418.62
MW - 6	Manny	12/01/22	3,465.42	-	46.34	49.70	3.36	3,418.58
MW - 6	Manny	12/27/22	3,465.42	-	46.33	49.60	3.27	3,418.60
MW - 6	Manny	01/18/23	3,465.42	-	46.38	49.20	2.82	3,418.62
MW - 6	Manny	02/15/23	3,465.42	-	46.35	49.03	2.68	3,418.67
MW - 6	Manny	04/12/23	3,465.42	-	46.25	49.10	2.85	3,418.74
MW - 6	Manny	05/04/23	3,465.42	-	46.26	48.91	2.65	3,418.76
MW - 6	Manny	06/29/23	3,465.42	-	46.20	49.05	2.85	3,418.79
MW - 6	Manny	07/20/23	3,465.42	-	46.32	49.15	2.83	3,418.68
MW - 6	Manny	09/13/23	3,465.42	-	46.45	49.55	3.10	3,418.51
MW - 6	Manny	11/21/23	3,465.42	-	46.30	49.75	3.45	3,418.60
MW - 6	Manny	12/05/23	3,465.42	-	46.32	49.44	3.12	3,418.63
MW - 6	Manny	01/11/24	3,465.42	-	46.28	49.36	3.08	3,418.68
MW - 6	Manny	02/16/24	3,465.42	-	46.28	49.27	2.99	3,418.69
MW - 6	Manny	03/07/24	3,465.42	-	46.16	49.34	3.18	3,418.78
MW - 6	Manny	03/18/24	3,465.42	-	46.26	49.11	2.85	3,418.73
MW - 6	Manny	04/10/24	3,465.42	-	46.52	47.08	0.56	3,418.82
MW - 6	Manny	05/08/24	3,465.42	-	46.25	49.01	2.76	3,418.76
MW - 6	Manny	06/03/24	3,465.42	57.90	46.26	48.98	2.72	3,418.75
MW - 6	Manny	07/30/24	3,465.42	-	46.44	49.65	3.21	3,418.50
MW - 6	Manny	08/22/24	3,465.42	-	46.47	49.45	2.98	3,418.50
MW - 6	Manny	9/13/2024	3,465.42	-	46.78	46.90	0.12	3,418.62
MW - 6	Manny	9/26/2024	3,465.42	57.92	46.55	49.20	2.65	3,418.47
MW - 6	Manny	10/3/2024	3,465.42	46.48	46.90	49.80	2.90	3,418.09
MW - 6	Manny	11/5/2024	3,465.42	57.83	46.49	49.74	3.25	3,418.44
MW - 6	Manny	12/30/2024	3,465.42	-	46.48	49.68	3.20	3,418.46
MW - 7		03/08/00	3,466.22	-	-	46.84	0.00	3,419.38
MW - 7		05/12/00	3,466.22	-	-	46.90	0.00	3,419.32
MW - 7		09/11/00	3,466.22	-	-	46.86	0.00	3,419.36
MW - 7		12/11/00	3,466.22	-	-	46.91	0.00	3,419.31
MW - 7		03/19/01	3,466.22	-	-	46.84	0.00	3,419.38
MW - 7		05/30/01	3,466.22	-	-	46.84	0.00	3,419.38
MW - 7		09/25/01	3,466.22	-	-	47.07	0.00	3,419.15
MW - 7		11/20/01	3,466.22	-	-	47.08	0.00	3,419.14
MW - 7		02/20/02	3,466.22	-	-	47.03	0.00	3,419.19
MW - 7		06/25/02	3,466.22	-	-	47.11	0.00	3,419.11
MW - 7		09/17/02	3,466.22	-	-	47.08	0.00	3,419.14
MW - 7		11/20/02	3,466.22	-	-	47.09	0.00	3,419.13
MW - 7		01/21/03	3,466.22	-	-	46.98	0.00	3,419.24
MW - 7		02/10/03	3,466.22	-	-	46.98	0.00	3,419.24
MW - 7		05/15/03	3,466.22	-	-	47.00	0.00	3,419.22
MW - 7		08/26/03	3,466.22	-	-	47.17	0.00	3,419.05
MW - 7		11/24/03	3,466.22	-	-	47.24	0.00	3,418.98
MW - 7		02/18/04	3,466.22	-	-	47.19	0.00	3,419.03
MW - 7		05/12/04	3,466.22	-	-	46.96	0.00	3,419.26
MW - 7		08/23/04	3,466.22	-	-	46.45	0.00	3,419.77
MW - 7		12/07/04	3,466.22	-	-	45.90	0.00	3,420.32
MW - 7		03/09/05	3,466.22	-	-	46.00	0.00	3,420.22
MW - 7		06/09/05	3,466.22	-	-	46.01	0.00	3,420.21
MW - 7		08/09/05	3,466.22	-	-	45.76	0.00	3,420.46
MW - 7		09/01/05	3,466.22	-	-	45.77	0.00	3,420.45
MW - 7		09/08/05	3,466.22	-	-	45.81	0.00	3,420.41
MW - 7		09/13/05	P&A	-	-	-	-	-
MW - 8		03/08/00	3,467.61	-	-	48.48	0.00	3,419.13
MW - 8		05/12/00	3,467.61	-	-	48.53	0.00	3,419.08
MW - 8		09/11/00	3,467.61	-	-	48.48	0.00	3,419.13
MW - 8		12/11/00	3,467.61	-	-	48.55	0.00	3,419.06
MW - 8		03/19/01	3,467.61	-	-	48.48	0.00	3,419.13
MW - 8		05/30/01	3,467.61	-	-	48.52	0.00	3,419.09
MW - 8		09/25/01	3,467.61	-	-	48.69	0.00	3,418.92
MW - 8		11/20/01	3,467.61	-	-	48.71	0.00	3,418.90
MW - 8		02/20/02	3,467.61	-	-	48.68	0.00	3,418.93
MW - 8		06/25/02	3,467.61	-	-	48.74	0.00	3,418.87
MW - 8		09/17/02	3,467.61	-	-	48.73	0.00	3,418.88

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
SRS NO. HDO 90-23
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 8		11/20/02	3,467.61	-	-	48.71	0.00	3,418.90
MW - 8		01/21/03	3,467.61	-	-	48.61	0.00	3,419.00
MW - 8		02/10/03	3,467.61	-	-	48.60	0.00	3,419.01
MW - 8		05/15/03	3,467.61	-	-	48.63	0.00	3,418.98
MW - 8		08/26/03	3,467.61	-	-	48.81	0.00	3,418.80
MW - 8		11/24/03	3,467.61	-	-	48.89	0.00	3,418.72
MW - 8		02/18/04	3,467.61	-	-	48.83	0.00	3,418.78
MW - 8		05/12/04	3,467.61	-	-	48.57	0.00	3,419.04
MW - 8		08/23/04	3,467.61	-	-	48.09	0.00	3,419.52
MW - 8		12/07/04	3,467.61	-	-	47.49	0.00	3,420.12
MW - 8		03/09/05	3,467.61	-	-	47.58	0.00	3,420.03
MW - 8		06/09/05	3,467.61	-	-	47.64	0.00	3,419.97
MW - 8		08/09/05	3,467.61	-	-	47.47	0.00	3,420.14
MW - 8		09/01/05	3,467.61	-	-	47.34	0.00	3,420.27
MW - 8		09/08/05	3,467.61	-	-	47.44	0.00	3,420.17
MW - 8		12/01/05	3,467.61	-	-	47.63	0.00	3,419.98
MW - 8		03/07/06	3,467.61	-	-	47.68	0.00	3,419.93
MW - 8		06/06/06	3,467.61	-	-	47.76	0.00	3,419.85
MW - 8		09/15/06	3,467.61	-	-	47.71	0.00	3,419.90
MW - 8		11/20/06	3,467.61	-	-	47.78	0.00	3,419.83
MW - 8		02/23/07	3,467.61	-	-	47.78	0.00	3,419.83
MW - 8		05/18/07	3,467.61	-	-	47.75	0.00	3,419.86
MW - 8		08/21/07	3,467.61	-	-	47.82	0.00	3,419.79
MW - 8		11/05/07	3,467.61	-	-	47.83	0.00	3,419.78
MW - 8		02/08/08	3,467.61	-	-	47.81	0.00	3,419.80
MW - 8		05/08/08	3,467.61	-	-	47.77	0.00	3,419.84
MW - 8		08/13/08	3,467.61	-	-	47.94	0.00	3,419.67
MW - 8		11/06/08	3,467.61	-	-	47.97	0.00	3,419.64
MW - 8		02/04/09	3,467.61	-	-	47.99	0.00	3,419.62
MW - 8		05/08/09	3,467.61	-	-	47.88	0.00	3,419.73
MW - 8		08/05/09	3,467.61	-	-	47.96	0.00	3,419.65
MW - 8		11/16/09	3,467.61	-	-	48.10	0.00	3,419.51
MW - 8		01/06/10	3,467.61	-	-	48.03	0.00	3,419.58
MW - 8		02/08/10	3,467.61	-	-	48.03	0.00	3,419.58
MW - 8		05/11/10	3,467.61	-	-	48.02	0.00	3,419.59
MW - 8		08/10/10	3,467.61	-	-	48.02	0.00	3,419.59
MW - 8		11/09/10	3,467.61	-	-	48.09	0.00	3,419.52
MW - 8		02/15/11	3,467.61	-	-	48.11	0.00	3,419.50
MW - 8		05/05/11	3,467.61	-	-	48.10	0.00	3,419.51
MW - 8		08/04/11	3,467.61	-	-	48.13	0.00	3,419.48
MW - 8		11/21/11	3,467.61	-	-	48.28	0.00	3,419.33
MW - 8		02/13/12	3,467.61	-	-	48.21	0.00	3,419.40
MW - 8		05/29/12	3,467.61	-	-	48.16	0.00	3,419.45
MW - 8		08/10/12	3,467.61	-	-	48.26	0.00	3,419.35
MW - 8		11/06/12	3,467.61	-	-	48.32	0.00	3,419.29
MW - 8		02/06/13	3,467.61	-	-	48.24	0.00	3,419.37
MW - 8		05/08/13	3,467.61	-	-	48.23	0.00	3,419.38
MW - 8		08/01/13	3,467.61	-	-	48.31	0.00	3,419.30
MW - 8		11/05/13	3,467.61	-	-	48.27	0.00	3,419.34
MW - 8	John & Jose	02/26/14	3,467.61	-	-	48.28	0.00	3,419.33
MW - 8	David	05/12/14	3,467.61	-	-	48.28	0.00	3,419.33
MW - 8	David	07/23/14	3,467.61	-	-	48.43	0.00	3,419.18
MW - 8	David	08/11/14	3,467.61	-	-	48.47	0.00	3,419.14
MW - 8	Manny	10/28/14	3,467.61	-	-	47.97	0.00	3,419.64
MW - 8	Manny	11/15/14	3,467.61	-	-	47.94	0.00	3,419.67
MW - 8	Manny	02/18/15	3,467.61	-	-	47.95	0.00	3,419.66
MW - 8	Manny/Art	03/19/15	3,467.61	-	-	47.95	0.00	3,419.66
MW - 8	Manny/Art	04/16/15	3,467.61	-	-	47.94	0.00	3,419.67
MW - 8	Manny/Art	05/28/15	3,467.61	-	-	47.97	0.00	3,419.64
MW - 8	Carlos/Matt	07/21/15	3,467.61	-	-	48.15	0.00	3,419.46
MW - 8	Manny/Matt	08/20/15	3,467.61	-	-	48.22	0.00	3,419.39
MW - 8	Carlos	09/11/15	3,467.61	-	-	48.24	0.00	3,419.37
MW - 8	Carlos	10/15/15	3,467.61	-	-	48.21	0.00	3,419.40
MW - 8	Manny	11/30/15	3,467.61	-	-	48.12	0.00	3,419.49
MW - 8	Carlos	12/11/15	3,467.61	-	-	48.08	0.00	3,419.53
MW - 8	Carlos	01/19/16	3,467.61	-	-	48.08	0.00	3,419.53
MW - 8	Manny	02/25/16	3,467.61	-	-	48.11	0.00	3,419.50

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

HDO 90 - 23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 8	Manny	03/17/16	3,467.61	-	-	48.08	0.00	3,419.53
MW - 8	Carlos	04/13/16	3,467.61	-	-	48.07	0.00	3,419.54
MW - 8	Manny	06/02/16	3,467.61	-	-	48.14	0.00	3,419.47
MW - 8	Carlos	06/30/16	3,467.61	-	-	48.22	0.00	3,419.39
MW - 8	Manny	07/26/16	3,467.61	-	-	48.29	0.00	3,419.32
MW - 8	Manny	08/23/16	3,467.61	-	-	48.26	0.00	3,419.35
MW - 8	Manny	09/12/16	3,467.61	-	-	48.06	0.00	3,419.55
MW - 8	Manny	10/12/16	3,467.61	-	-	47.93	0.00	3,419.68
MW - 8	Carlos	12/01/16	3,467.61	-	-	47.99	0.00	3,419.62
MW - 8	Carlos	12/28/16	3,467.61	-	-	48.01	0.00	3,419.60
MW - 8	Carlos	01/25/17	3,467.61	-	-	48.07	0.00	3,419.54
MW - 8	Manny	02/23/17	3,467.61	-	-	47.98	0.00	3,419.63
MW - 8	Carlos	03/30/17	3,467.61	-	-	48.01	0.00	3,419.60
MW - 8	Manny	04/11/17	3,467.61	-	-	48.02	0.00	3,419.59
MW - 8	Manny	05/04/17	3,467.61	-	-	48.02	0.00	3,419.59
MW - 8	Jeremy	06/07/17	3,467.61	-	-	48.08	0.00	3,419.53
MW - 8	Jeremy	07/06/17	3,467.61	-	-	48.13	0.00	3,419.48
MW - 8	Jeremy	08/23/17	3,467.61	-	-	48.22	0.00	3,419.39
MW - 8	Jeremy	10/09/17	3,467.61	-	-	48.26	0.00	3,419.35
MW - 8	Jeremy	11/29/17	3,467.61	-	-	48.29	0.00	3,419.32
MW - 8	Jeremy	12/26/17	3,467.61	-	-	48.32	0.00	3,419.29
MW - 8	Manny	02/28/18	3,467.61	-	-	48.32	0.00	3,419.29
MW - 8	Jeremy	05/24/18	3,467.61	-	-	48.39	0.00	3,419.22
MW - 8	Jeremy	06/28/18	3,467.61	-	-	48.43	0.00	3,419.18
MW - 8	Jeremy	08/21/18	3,467.61	-	-	48.55	0.00	3,419.06
MW - 8	Manny/Elias	12/05/18	3,467.61	-	-	48.59	0.00	3,419.02
MW - 8	Jeremy	12/31/18	3,467.61	-	-	48.62	0.00	3,418.99
MW - 8	Jeremy	01/18/19	3,467.61	-	-	48.58	0.00	3,419.03
MW - 8	Jeremy	02/25/19	3,467.61	-	-	48.58	0.00	3,419.03
MW - 8	Manny	05/21/19	3,467.61	-	-	48.46	0.00	3,419.15
MW - 8	Manny	07/02/19	3,467.61	-	-	48.49	0.00	3,419.12
MW - 8	Manny	07/30/19	3,467.61	-	-	48.56	0.00	3,419.05
MW - 8	Manny	08/21/19	3,467.61	-	-	48.60	0.00	3,419.01
MW - 8	Elias	12/10/19	3,467.61	-	-	48.41	0.00	3,419.20
MW - 8	Elias	01/21/20	3,467.61	-	-	48.41	0.00	3,419.20
MW - 8	Elias	02/25/20	3,467.61	-	-	48.40	0.00	3,419.21
MW - 8	Manny	06/02/20	3,467.61	-	-	48.37	0.00	3,419.24
MW - 8	Manny	09/21/20	3,467.61	-	-	48.65	0.00	3,418.96
MW - 8	Manny	11/13/20	3,467.61	-	-	48.68	0.00	3,418.93
MW - 8	Manny	03/25/21	3,467.61	-	-	48.63	0.00	3,418.98
MW - 8	Manny	05/13/21	3,467.61	-	-	48.61	0.00	3,419.00
MW - 8	Manny	09/07/21	3,467.61	-	-	48.75	0.00	3,418.86
MW - 8	Manny	12/08/21	3,467.61	-	-	48.82	0.00	3,418.79
MW - 8	Manny	12/13/21	3,467.61	-	-	48.85	0.00	3,418.76
MW - 8	Manny	03/16/22	3,467.61	-	-	48.87	0.00	3,418.74
MW - 8	Manny	05/19/22	3,467.61	-	-	48.84	0.00	3,418.77
MW - 8	Manny	09/06/22	3,467.61	-	-	48.99	0.00	3,418.62
MW - 8	Manny	12/02/22	3,467.61	-	-	49.00	0.00	3,418.61
MW - 8	Manny	02/15/23	3,467.61	-	-	48.97	0.00	3,418.64
MW - 8	Manny	05/03/23	3,467.61	-	-	48.88	0.00	3,418.73
MW - 8	Manny	09/13/23	3,467.61	-	-	49.14	0.00	3,418.47
MW - 8	Manny	12/04/23	3,467.61	-	-	49.00	0.00	3,418.61
MW - 8	Manny	03/18/24	3,467.61	-	-	48.89	0.00	3,418.72
MW - 8	Manny	06/03/24	3,467.61	-	-	48.89	0.00	3,418.72
MW - 8	Manny	09/26/24	3,467.61	-	-	49.14	0.00	3,418.47
MW - 8	Manny	11/05/24	3,467.61	61.49	-	49.16	0.00	3,418.45
MW - 9		01/06/03	3465.74	-	-	46.64	0.00	3,419.10
MW - 9		01/10/03	3465.74	-	-	46.62	0.00	3,419.12
MW - 9		01/21/03	3465.74	-	-	46.59	0.00	3,419.15
MW - 9		02/10/03	3465.74	-	-	46.52	0.00	3,419.22
MW - 9		05/15/03	3465.74	-	-	46.61	0.00	3,419.13
MW - 9		08/26/03	3465.74	-	-	46.80	0.00	3,418.94
MW - 9		11/24/03	3465.74	-	-	46.86	0.00	3,418.88
MW - 9		02/18/04	3465.74	-	-	46.81	0.00	3,418.93
MW - 9		05/12/04	3465.74	-	-	46.60	0.00	3,419.14
MW - 9		08/23/04	3465.74	-	-	46.09	0.00	3,419.65

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
SRS NO. HDO 90-23
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 9		12/04/04	3,465.74	-	-	45.53	0.00	3,420.21
MW - 9		03/09/05	3,465.74	-	-	45.62	0.00	3,420.12
MW - 9		06/09/05	3,465.74	-	-	45.66	0.00	3,420.08
MW - 9		08/09/05	3,465.74	-	-	45.51	0.00	3,420.23
MW - 9		09/01/05	3,465.74	-	-	45.44	0.00	3,420.30
MW - 9		09/08/05	3,465.74	-	-	45.48	0.00	3,420.26
MW - 9		12/01/05	3,465.74	-	-	45.63	0.00	3,420.11
MW - 9		03/07/06	3,465.74	-	-	45.69	0.00	3,420.05
MW - 9		06/06/06	3,465.74	-	-	45.74	0.00	3,420.00
MW - 9		09/15/06	3,465.74	-	-	45.72	0.00	3,420.02
MW - 9		11/20/06	3,465.74	-	-	45.78	0.00	3,419.96
MW - 9		02/23/07	3,465.74	-	-	45.75	0.00	3,419.99
MW - 9		05/18/07	3,465.74	-	-	45.75	0.00	3,419.99
MW - 9		08/21/07	3,465.74	-	-	45.77	0.00	3,419.97
MW - 9		11/05/07	3,465.74	-	-	45.79	0.00	3,419.95
MW - 9		02/08/08	3,465.74	-	-	45.80	0.00	3,419.94
MW - 9		05/08/08	3,465.74	-	-	45.72	0.00	3,420.02
MW - 9		08/13/08	3,465.74	-	-	46.39	0.00	3,419.35
MW - 9		11/06/08	3,465.74	-	-	45.94	0.00	3,419.80
MW - 9		02/04/09	3,465.74	-	-	45.94	0.00	3,419.80
MW - 9		05/08/09	3,465.74	-	-	45.85	0.00	3,419.89
MW - 9		08/05/09	3,465.74	-	-	45.95	0.00	3,419.79
MW - 9		11/16/09	3,465.74	-	-	46.06	0.00	3,419.68
MW - 9		01/06/10	3,465.74	-	-	46.00	0.00	3,419.74
MW - 9		02/08/10	3,465.74	-	-	46.00	0.00	3,419.74
MW - 9		05/11/10	3,465.74	-	-	46.01	0.00	3,419.73
MW - 9		08/10/10	3,465.74	-	-	46.03	0.00	3,419.71
MW - 9		11/09/10	3,465.74	-	-	46.06	0.00	3,419.68
MW - 9		02/15/11	3,465.74	-	-	46.10	0.00	3,419.64
MW - 9		05/05/11	3,465.74	-	-	46.08	0.00	3,419.66
MW - 9		08/04/11	3,465.74	-	-	46.11	0.00	3,419.63
MW - 9		11/21/11	3,465.74	-	-	46.28	0.00	3,419.46
MW - 9		02/13/12	3,465.74	-	-	46.20	0.00	3,419.54
MW - 9		05/29/12	3,465.74	-	-	46.14	0.00	3,419.60
MW - 9		08/10/12	3,465.74	-	-	46.27	0.00	3,419.47
MW - 9		11/06/12	3,465.74	-	-	46.29	0.00	3,419.45
MW - 9		02/06/13	3,465.74	-	-	46.22	0.00	3,419.52
MW - 9		05/08/13	3,465.74	-	-	46.20	0.00	3,419.54
MW - 9		08/01/13	3,465.74	-	-	46.31	0.00	3,419.43
MW - 9		11/05/13	3,465.74	-	-	46.30	0.00	3,419.44
MW - 9	John & Jose	02/26/14	3,465.74	-	-	46.27	0.00	3,419.47
MW - 9	David	05/12/14	3,465.74	-	-	46.31	0.00	3,419.43
MW - 9	David	07/23/14	3,465.74	-	-	46.42	0.00	3,419.32
MW - 9	David	08/11/14	3,465.74	-	-	46.48	0.00	3,419.26
MW - 9	Manny	10/28/14	3,465.74	-	-	45.99	0.00	3,419.75
MW - 9	Manny	11/15/14	3,465.74	-	-	45.97	0.00	3,419.77
MW - 9	Manny	02/18/15	3,465.74	-	-	45.95	0.00	3,419.79
MW - 9	Manny/Art	03/19/15	3,465.74	-	-	45.96	0.00	3,419.78
MW - 9	Manny/Art	04/16/15	3,465.74	-	-	45.95	0.00	3,419.79
MW - 9	Manny/Art	05/28/15	3,465.74	-	-	45.96	0.00	3,419.78
MW - 9	Carlos/Matt	07/21/15	3,465.74	-	-	46.12	0.00	3,419.62
MW - 9	Manny/Matt	08/20/15	3,465.74	-	-	46.21	0.00	3,419.53
MW - 9	Carlos	09/11/15	3,465.74	-	-	46.22	0.00	3,419.52
MW - 9	Carlos	10/15/15	3,465.74	-	-	46.19	0.00	3,419.55
MW - 9	Manny	11/30/15	3,465.74	-	-	46.13	0.00	3,419.61
MW - 9	Carlos	12/11/15	3,465.74	-	-	46.11	0.00	3,419.63
MW - 9	Carlos	01/19/16	3,465.74	-	-	46.08	0.00	3,419.66
MW - 9	Manny	02/25/16	3,465.74	-	-	46.11	0.00	3,419.63
MW - 9	Manny	03/17/16	3,465.74	-	-	46.08	0.00	3,419.66
MW - 9	Carlos	04/13/16	3,465.74	-	-	46.05	0.00	3,419.69
MW - 9	Manny	06/02/16	3,465.74	-	-	46.13	0.00	3,419.61
MW - 9	Carlos	06/30/16	3,465.74	-	-	46.20	0.00	3,419.54
MW - 9	Manny	07/26/16	3,465.74	-	-	46.29	0.00	3,419.45
MW - 9	Manny	08/23/16	3,465.74	-	-	46.28	0.00	3,419.46
MW - 9	Manny	09/12/16	3,465.74	-	-	46.10	0.00	3,419.64
MW - 9	Manny	10/12/16	3,465.74	-	-	45.96	0.00	3,419.78
MW - 9	Carlos	12/01/16	3,465.74	-	-	46.00	0.00	3,419.74

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
SRS NO. HDO 90-23
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 9	Carlos	12/28/16	3,465.74	-	-	46.03	0.00	3,419.71
MW - 9	Carlos	01/25/17	3,465.74	-	-	46.06	0.00	3,419.68
MW - 9	Manny	02/23/17	3,465.74	-	-	46.00	0.00	3,419.74
MW - 9	Carlos	03/30/17	3,465.74	-	-	46.02	0.00	3,419.72
MW - 9	Manny	04/11/17	3,465.74	-	-	46.03	0.00	3,419.71
MW - 9	Manny	05/04/17	3,465.74	-	-	46.04	0.00	3,419.70
MW - 9	Jeremy	06/07/17	3,465.74	-	-	46.07	0.00	3,419.67
MW - 9	Jeremy	07/06/17	3,465.74	-	-	46.12	0.00	3,419.62
MW - 9	Jeremy	08/23/17	3,465.74	-	-	46.22	0.00	3,419.52
MW - 9	Jeremy	10/09/17	3,465.74	-	-	46.25	0.00	3,419.49
MW - 9	Jeremy	11/29/17	3,465.74	-	-	46.26	0.00	3,419.48
MW - 9	Jeremy	12/26/17	3,465.74	-	-	46.29	0.00	3,419.45
MW - 9	Manny	02/28/18	3,465.74	-	-	46.31	0.00	3,419.43
MW - 9	Jeremy	05/24/18	3,465.74	-	-	46.37	0.00	3,419.37
MW - 9	Jeremy	06/28/18	3,465.74	-	-	46.44	0.00	3,419.30
MW - 9	Jeremy	08/21/18	3,465.74	-	-	46.57	0.00	3,419.17
MW - 9	Manny/Elias	12/05/18	3,465.74	-	-	46.59	0.00	3,419.15
MW - 9	Jeremy	12/31/18	3,465.74	-	-	46.61	0.00	3,419.13
MW - 9	Jeremy	01/18/19	3,465.74	-	-	46.59	0.00	3,419.15
MW - 9	Jeremy	02/25/19	3,465.74	-	-	46.57	0.00	3,419.17
MW - 9	Manny	05/21/19	3,465.74	-	-	46.46	0.00	3,419.28
MW - 9	Manny	07/02/19	3,465.74	-	-	46.52	0.00	3,419.22
MW - 9	Manny	07/30/19	3,465.74	-	-	46.60	0.00	3,419.14
MW - 9	Manny	08/21/19	3,465.74	-	-	46.63	0.00	3,419.11
MW - 9	Elias	12/10/19	3,465.74	-	-	46.43	0.00	3,419.31
MW - 9	Elias	01/21/20	3,465.74	-	-	46.42	0.00	3,419.32
MW - 9	Elias	02/25/20	3,465.74	-	-	46.40	0.00	3,419.34
MW - 9	Manny	06/02/20	3,465.74	-	-	46.38	0.00	3,419.36
MW - 9	Manny	06/18/20	3,465.74	-	-	46.41	0.00	3,419.33
MW - 9	Manny	09/21/20	3,465.74	-	-	46.68	0.00	3,419.06
MW - 9	Manny	11/13/20	3,465.74	-	-	46.69	0.00	3,419.05
MW - 9	Manny	03/25/21	3,465.74	-	-	46.64	0.00	3,419.10
MW - 9	Manny	05/14/21	3,465.74	-	-	46.61	0.00	3,419.13
MW - 9	Manny	09/07/21	3,465.74	-	-	46.78	0.00	3,418.96
MW - 9	Manny	12/08/21	3,465.74	-	-	48.82	0.00	3,416.92
MW - 9	Manny	12/13/21	3,465.74	-	-	46.86	0.00	3,418.88
MW - 9	Manny	03/16/22	3,465.74	-	-	46.85	0.00	3,418.89
MW - 9	Manny	05/19/22	3,465.74	-	-	46.87	0.00	3,418.87
MW - 9	Manny	09/06/22	3,465.74	-	-	47.00	0.00	3,418.74
MW - 9	Manny	12/01/22	3,465.74	-	-	47.00	0.00	3,418.74
MW - 9	Manny	02/16/23	3,465.74	-	-	46.96	0.00	3,418.78
MW - 9	Manny	05/04/23	3,465.74	-	-	46.88	0.00	3,418.86
MW - 9	Manny	09/13/23	3,465.74	-	-	47.19	0.00	3,418.55
MW - 9	Manny	12/05/23	3,465.74	-	-	47.03	0.00	3,418.71
MW - 9	Manny	03/18/24	3,465.74	-	-	46.91	0.00	3,418.83
MW - 9	Manny	06/03/24	3,465.74	51.28	-	46.92	0.00	3,418.82
MW - 9	Manny	09/26/24	3,465.74	51.26	-	47.17	0.00	3,418.57
MW - 9	Manny	11/05/24	3,465.74	51.17	-	47.19	0.00	3,418.55
MW - 10		01/06/03	3466.15	-	-	47.12	0.00	3,419.03
MW - 10		01/10/03	3466.15	-	-	47.11	0.00	3,419.04
MW - 10		01/21/03	3466.15	-	-	47.09	0.00	3,419.06
MW - 10		02/10/03	3466.15	-	-	47.07	0.00	3,419.08
MW - 10		05/15/03	3466.15	-	-	47.11	0.00	3,419.04
MW - 10		08/26/03	3466.15	-	-	47.30	0.00	3,418.85
MW - 10		11/24/03	3466.15	-	-	47.37	0.00	3,418.78
MW - 10		02/18/04	3466.15	-	-	47.32	0.00	3,418.83
MW - 10		05/12/04	3466.15	-	-	47.07	0.00	3,419.08
MW - 10		08/23/04	3466.15	-	-	46.57	0.00	3,419.58
MW - 10		12/07/04	3466.15	-	-	45.98	0.00	3,420.17
MW - 10		03/09/05	3466.15	-	-	46.09	0.00	3,420.06
MW - 10		06/09/05	3466.15	-	-	46.12	0.00	3,420.03
MW - 10		08/09/05	3466.15	-	-	45.64	0.00	3,420.51
MW - 10		09/01/05	3466.15	-	-	45.82	0.00	3,420.33
MW - 10		09/08/05	3466.15	-	-	45.90	0.00	3,420.25
MW - 10		09/13/05	P&A	-	-	-	-	-

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

HDO 90 - 23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 11		01/06/03	3466.22	-	-	47.23	0.00	3,418.99
MW - 11		01/10/03	3466.22	-	-	47.20	0.00	3,419.02
MW - 11		01/21/03	3466.22	-	-	47.18	0.00	3,419.04
MW - 11		02/10/03	3467.22	-	-	47.16	0.00	3,420.06
MW - 11		05/15/03	3466.22	-	-	47.19	0.00	3,419.03
MW - 11		08/26/03	3466.22	-	-	47.36	0.00	3,418.86
MW - 11		11/24/03	3466.22	-	-	47.42	0.00	3,418.80
MW - 11		02/18/04	3466.22	-	-	47.39	0.00	3,418.83
MW - 11		05/12/04	3466.22	-	-	47.18	0.00	3,419.04
MW - 11		08/23/04	3466.22	-	-	46.69	0.00	3,419.53
MW - 11		12/07/04	3466.22	-	-	46.12	0.00	3,420.10
MW - 11		03/09/05	3466.22	-	-	46.20	0.00	3,420.02
MW - 11		06/09/05	3466.22	-	-	46.23	0.00	3,419.99
MW - 11		08/09/05	3466.22	-	-	46.14	0.00	3,420.08
MW - 11		09/01/05	3466.22	-	-	46.03	0.00	3,420.19
MW - 11		09/08/05	3466.22	-	-	46.07	0.00	3,420.15
MW - 11		09/13/05	P&A	-	-	-	-	-
MW - 12		01/06/03	3466.69	-	-	47.79	0.00	3,418.90
MW - 12		01/10/03	3466.69	-	-	47.76	0.00	3,418.93
MW - 12		01/21/03	3466.69	-	-	47.75	0.00	3,418.94
MW - 12		02/10/03	3466.69	-	-	47.73	0.00	3,418.96
MW - 12		05/15/03	3466.69	-	-	47.76	0.00	3,418.93
MW - 12		08/26/03	3466.69	-	-	47.94	0.00	3,418.75
MW - 12		11/24/03	3466.69	-	-	47.99	0.00	3,418.70
MW - 12		02/18/04	3466.69	-	-	47.95	0.00	3,418.74
MW - 12		05/12/04	3466.69	-	-	47.74	0.00	3,418.95
MW - 12		08/23/04	3466.69	-	-	47.23	0.00	3,419.46
MW - 12		12/07/04	3466.69	-	-	46.67	0.00	3,420.02
MW - 12		03/09/05	3466.69	-	-	46.74	0.00	3,419.95
MW - 12		06/09/05	3466.69	-	-	46.78	0.00	3,419.91
MW - 12		08/09/05	3466.69	-	-	46.65	0.00	3,420.04
MW - 12		09/01/05	3466.69	-	-	46.54	0.00	3,420.15
MW - 12		09/08/05	3466.69	-	-	47.60	0.00	3,419.09
MW - 12		12/01/05	3466.69	-	-	46.79	0.00	3,419.90
MW - 12		03/07/06	3466.69	-	-	46.83	0.00	3,419.86
MW - 12		06/06/06	3466.69	-	-	46.89	0.00	3,419.80
MW - 12		09/15/06	3466.69	-	-	46.86	0.00	3,419.83
MW - 12		11/20/06	3466.69	-	-	46.93	0.00	3,419.76
MW - 12		02/23/07	3466.69	-	-	46.91	0.00	3,419.78
MW - 12		05/18/07	3466.69	-	-	46.91	0.00	3,419.78
MW - 12		08/21/07	3466.69	-	-	46.95	0.00	3,419.74
MW - 12		11/05/07	3466.69	-	-	46.96	0.00	3,419.73
MW - 12		02/08/08	3466.69	-	-	47.03	0.00	3,419.66
MW - 12		05/08/08	3466.69	-	-	46.92	0.00	3,419.77
MW - 12		08/13/08	3466.69	-	-	46.95	0.00	3,419.74
MW - 12		11/06/08	3466.69	-	-	47.09	0.00	3,419.60
MW - 12		02/04/09	3466.69	-	-	47.11	0.00	3,419.58
MW - 12		05/08/09	3466.69	-	-	47.04	0.00	3,419.65
MW - 12		08/05/09	3466.69	-	-	47.10	0.00	3,419.59
MW - 12		11/16/09	3466.69	-	-	47.23	0.00	3,419.46
MW - 12		01/06/10	3466.69	-	-	47.15	0.00	3,419.54
MW - 12		02/08/10	3466.69	-	-	47.17	0.00	3,419.52
MW - 12		05/11/10	3466.69	-	-	47.25	0.00	3,419.44
MW - 12		08/10/10	3466.69	-	-	47.27	0.00	3,419.42
MW - 12		11/09/10	3466.69	-	-	47.21	0.00	3,419.48
MW - 12		02/15/11	3466.69	-	-	47.20	0.00	3,419.49
MW - 12		05/05/11	3466.69	-	-	47.22	0.00	3,419.47
MW - 12		08/04/11	3466.69	-	-	47.22	0.00	3,419.47
MW - 12		11/21/11	3466.69	-	-	47.41	0.00	3,419.28
MW - 12		02/13/12	3466.69	-	-	47.35	0.00	3,419.34
MW - 12		05/29/12	3466.69	-	-	47.28	0.00	3,419.41
MW - 12		08/10/12	3466.69	-	-	47.38	0.00	3,419.31
MW - 12		11/06/12	3466.69	-	-	46.44	0.00	3,420.25
MW - 12		02/06/13	3466.69	-	-	47.38	0.00	3,419.31
MW - 12		05/08/13	3466.69	-	-	47.36	0.00	3,419.33
MW - 12		08/01/13	3466.69	-	-	47.44	0.00	3,419.25

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

HDO 90 - 23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 12		11/05/13	3466.69	-	-	47.43	0.00	3,419.26
MW - 12	John & Jose	02/26/14	3466.69	-	-	47.40	0.00	3,419.29
MW - 12	David	05/12/14	3466.69	-	-	47.45	0.00	3,419.24
MW - 12	Manny	06/18/14	3466.69	-	46.06	46.30	0.24	3,420.59
MW - 12	David	07/23/14	3466.69	-	-	47.57	0.00	3,419.12
MW - 12	David	08/11/14	3466.69	-	-	47.59	0.00	3,419.10
MW - 12	Manny	10/28/14	3466.69	-	-	47.12	0.00	3,419.57
MW - 12	Manny	11/15/14	3466.69	-	-	47.10	0.00	3,419.59
MW - 12	Manny	02/18/15	3466.69	-	-	47.09	0.00	3,419.60
MW - 12	Manny/Art	03/19/15	3466.69	-	-	47.10	0.00	3,419.59
MW - 12	Manny/Art	04/16/15	3466.69	-	-	47.09	0.00	3,419.60
MW - 12	Manny/Art	05/28/15	3466.69	-	-	47.12	0.00	3,419.57
MW - 12	Carlos/Matt	07/21/15	3466.69	-	-	47.26	0.00	3,419.43
MW - 12	Manny/Matt	08/20/15	3466.69	-	-	47.34	0.00	3,419.35
MW - 12	Carlos	09/11/15	3466.69	-	-	47.35	0.00	3,419.34
MW - 12	Carlos	10/15/15	3466.69	-	-	47.32	0.00	3,419.37
MW - 12	Manny	11/30/15	3466.69	-	-	47.27	0.00	3,419.42
MW - 12	Carlos	12/11/15	3466.69	-	-	47.22	0.00	3,419.47
MW - 12	Carlos	01/19/16	3466.69	-	-	47.22	0.00	3,419.47
MW - 12	Manny	02/25/16	3466.69	-	-	47.26	0.00	3,419.43
MW - 12	Manny	03/17/16	3466.69	-	-	47.22	0.00	3,419.47
MW - 12	Carlos	04/13/16	3466.69	-	-	47.21	0.00	3,419.48
MW - 12	Manny	06/02/16	3466.69	-	-	47.28	0.00	3,419.41
MW - 12	Carlos	06/30/16	3466.69	-	-	47.34	0.00	3,419.35
MW - 12	Manny	07/26/16	3466.69	-	-	47.43	0.00	3,419.26
MW - 12	Manny	08/23/16	3466.69	-	-	47.40	0.00	3,419.29
MW - 12	Manny	09/12/16	3466.69	-	-	47.22	0.00	3,419.47
MW - 12	Manny	10/12/16	3466.69	-	-	47.08	0.00	3,419.61
MW - 12	Carlos	12/01/16	3466.69	-	-	47.14	0.00	3,419.55
MW - 12	Carlos	12/28/16	3466.69	-	-	47.16	0.00	3,419.53
MW - 12	Carlos	01/25/17	3466.69	-	-	47.21	0.00	3,419.48
MW - 12	Manny	02/23/17	3466.69	-	-	47.14	0.00	3,419.55
MW - 12	Carlos	03/30/17	3466.69	-	-	47.15	0.00	3,419.54
MW - 12	Manny	04/11/17	3466.69	-	-	47.16	0.00	3,419.53
MW - 12	Manny	05/04/17	3466.69	-	-	47.18	0.00	3,419.51
MW - 12	Jeremy	06/07/17	3466.69	-	-	47.20	0.00	3,419.49
MW - 12	Jeremy	07/06/17	3466.69	-	-	47.27	0.00	3,419.42
MW - 12	Jeremy	08/23/17	3466.69	-	-	47.36	0.00	3,419.33
MW - 12	Jeremy	10/09/17	3466.69	-	-	47.39	0.00	3,419.30
MW - 12	Jeremy	11/29/17	3466.69	-	-	47.42	0.00	3,419.27
MW - 12	Jeremy	12/26/17	3466.69	-	-	47.44	0.00	3,419.25
MW - 12	Manny	02/28/18	3466.69	-	-	47.45	0.00	3,419.24
MW - 12	Jeremy	05/24/18	3466.69	-	-	47.51	0.00	3,419.18
MW - 12	Jeremy	06/28/18	3466.69	-	-	47.58	0.00	3,419.11
MW - 12	Jeremy	08/21/18	3466.69	-	-	47.69	0.00	3,419.00
MW - 12	Manny/Elias	12/05/18	3466.69	-	-	47.73	0.00	3,418.96
MW - 12	Jeremy	12/31/18	3466.69	-	-	47.76	0.00	3,418.93
MW - 12	Jeremy	01/18/19	3466.69	-	-	47.72	0.00	3,418.97
MW - 12	Jeremy	02/25/19	3466.69	-	-	47.71	0.00	3,418.98
MW - 12	Manny	05/21/19	3466.69	-	-	47.59	0.00	3,419.10
MW - 12	Manny	07/02/19	3466.69	-	-	47.64	0.00	3,419.05
MW - 12	Manny	07/30/19	3466.69	-	-	47.71	0.00	3,418.98
MW - 12	Manny	08/21/19	3466.69	-	-	47.75	0.00	3,418.94
MW - 12	Elias	12/10/19	3466.69	-	-	47.56	0.00	3,419.13
MW - 12	Elias	01/21/20	3466.69	-	-	47.56	0.00	3,419.13
MW - 12	Elias	02/25/20	3466.69	-	-	47.53	0.00	3,419.16
MW - 12	Manny	06/03/20	3466.69	-	-	47.51	0.00	3,419.18
MW - 12	Manny	09/22/20	3466.69	-	-	47.78	0.00	3,418.91
MW - 12	Manny	11/13/20	3466.69	-	-	47.82	0.00	3,418.87
MW - 12	Manny	03/26/21	3466.69	-	-	47.77	0.00	3,418.92
MW - 12	Manny	05/14/21	3466.69	-	-	47.75	0.00	3,418.94
MW - 12	Manny	09/07/21	3466.69	-	-	47.89	0.00	3,418.80
MW - 12	Manny	12/08/21	3466.69	-	-	47.96	0.00	3,418.73
MW - 12	Manny	12/13/21	3466.69	-	-	48.53	0.00	3,418.16
MW - 12	Manny	03/16/22	3466.69	-	-	47.98	0.00	3,418.71
MW - 12	Manny	05/19/22	3466.69	-	-	47.98	0.00	3,418.71
MW - 12	Manny	09/06/22	3466.69	-	-	48.10	0.00	3,418.59

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
SRS NO. HDO 90-23
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 12	Manny	11/30/22	3466.69	-	-	48.12	0.00	3,418.57
MW - 12	Manny	02/15/23	3466.69	-	-	48.08	0.00	3,418.61
MW - 12	Manny	05/03/23	3466.69	-	-	48.00	0.00	3,418.69
MW - 12	Manny	09/13/23	3466.69	-	-	48.28	0.00	3,418.41
MW - 12	Manny	12/04/23	3466.69	-	-	48.16	0.00	3,418.53
MW - 12	Manny	03/18/24	3466.69	-	-	48.02	0.00	3,418.67
MW - 12	Manny	06/03/24	3466.69	-	-	48.03	0.00	3,418.66
MW - 12	Manny	09/26/24	3466.69	-	-	48.27	0.00	3,418.42
MW - 12	Manny	11/05/24	3466.69	53.78	-	48.29	0.00	3,418.40
MW - 13		01/06/03	3466.98	-	-	48.31	0.00	3,418.67
MW - 13		01/10/03	3466.98	-	-	48.30	0.00	3,418.68
MW - 13		01/21/03	3466.98	-	-	48.28	0.00	3,418.70
MW - 13		02/10/03	3466.98	-	-	48.26	0.00	3,418.72
MW - 13		05/15/03	3466.98	-	-	48.31	0.00	3,418.67
MW - 13		08/26/03	3466.98	-	-	48.48	0.00	3,418.50
MW - 13		11/24/03	3466.98	-	-	48.55	0.00	3,418.43
MW - 13		02/18/04	3466.98	-	-	48.51	0.00	3,418.47
MW - 13		05/12/04	3466.98	-	-	48.27	0.00	3,418.71
MW - 13		08/23/04	3466.98	-	-	47.75	0.00	3,419.23
MW - 13		12/07/04	3466.98	-	-	47.17	0.00	3,419.81
MW - 13		03/09/05	3466.98	-	-	47.24	0.00	3,419.74
MW - 13		06/09/05	3466.98	-	-	47.30	0.00	3,419.68
MW - 13		08/09/05	3466.98	-	-	47.16	0.00	3,419.82
MW - 13		09/01/05	3466.98	-	-	47.02	0.00	3,419.96
MW - 13		09/08/05	3466.98	-	-	47.10	0.00	3,419.88
MW - 13		12/01/05	3466.98	-	-	47.28	0.00	3,419.70
MW - 13		03/07/06	3466.98	-	-	47.35	0.00	3,419.63
MW - 13		06/06/06	3466.98	-	-	47.42	0.00	3,419.56
MW - 13		09/15/06	3466.98	-	-	47.38	0.00	3,419.60
MW - 13		11/20/06	3466.98	-	-	47.45	0.00	3,419.53
MW - 13		02/23/07	3466.98	-	-	47.46	0.00	3,419.52
MW - 13		05/18/07	3466.98	-	-	47.44	0.00	3,419.54
MW - 13		08/21/07	3466.98	-	-	47.47	0.00	3,419.51
MW - 13		11/05/07	3466.98	-	-	47.49	0.00	3,419.49
MW - 13		02/08/08	3466.98	-	-	47.45	0.00	3,419.53
MW - 13		05/08/08	3466.98	-	-	47.41	0.00	3,419.57
MW - 13		08/13/08	3466.98	-	-	47.60	0.00	3,419.38
MW - 13		11/06/08	3466.98	-	-	47.64	0.00	3,419.34
MW - 13		02/05/09	3466.98	-	-	47.66	0.00	3,419.32
MW - 13		05/08/09	3466.98	-	-	47.56	0.00	3,419.42
MW - 13		08/05/09	3466.98	-	-	47.64	0.00	3,419.34
MW - 13		11/16/09	3466.98	-	-	47.78	0.00	3,419.20
MW - 13		01/06/10	3466.98	-	-	47.69	0.00	3,419.29
MW - 13		02/08/10	3466.98	-	-	47.69	0.00	3,419.29
MW - 13		05/11/10	3466.98	-	-	47.67	0.00	3,419.31
MW - 13		08/10/10	3466.98	-	-	47.68	0.00	3,419.30
MW - 13		11/09/10	3466.98	-	-	47.79	0.00	3,419.19
MW - 13		02/15/11	3466.98	-	-	47.76	0.00	3,419.22
MW - 13		05/05/11	3466.98	-	-	47.75	0.00	3,419.23
MW - 13		08/04/11	3466.98	-	-	47.75	0.00	3,419.23
MW - 13		11/21/11	3466.98	-	-	47.97	0.00	3,419.01
MW - 13		02/13/12	3466.98	-	-	47.89	0.00	3,419.09
MW - 13		05/29/12	3466.98	-	-	47.83	0.00	3,419.15
MW - 13		08/10/12	3466.98	-	-	47.94	0.00	3,419.04
MW - 13		11/06/12	3466.98	-	-	47.99	0.00	3,418.99
MW - 13		02/06/13	3466.98	-	-	47.91	0.00	3,419.07
MW - 13		05/08/13	3466.98	-	-	47.90	0.00	3,419.08
MW - 13		08/01/13	3466.98	-	-	47.97	0.00	3,419.01
MW - 13		11/05/13	3466.98	-	-	47.96	0.00	3,419.02
MW - 13	John & Jose	02/26/14	3466.98	-	-	47.94	0.00	3,419.04
MW - 13	David	05/12/14	3466.98	-	-	47.98	0.00	3,419.00
MW - 13	David	07/23/14	3466.98	-	-	48.11	0.00	3,418.87
MW - 13	David	08/11/14	3466.98	-	-	48.04	0.00	3,418.94
MW - 13	Manny	10/28/14	3466.98	-	-	47.65	0.00	3,419.33
MW - 13	Manny	11/15/14	3466.98	-	-	47.61	0.00	3,419.37
MW - 13	Manny	02/18/15	3466.98	-	-	47.62	0.00	3,419.36

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

HDO 90 - 23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 13	Manny/Art	03/19/15	3466.98	-	-	47.61	0.00	3,419.37
MW - 13	Manny/Art	04/16/15	3466.98	-	-	47.61	0.00	3,419.37
MW - 13	Manny/Art	05/28/15	3466.98	-	-	47.64	0.00	3,419.34
MW - 13	Carlos/Matt	07/21/15	3466.98	-	-	47.82	0.00	3,419.16
MW - 13	Manny/Matt	08/20/15	3466.98	-	-	47.87	0.00	3,419.11
MW - 13	Carlos	09/11/15	3466.98	-	-	47.90	0.00	3,419.08
MW - 13	Carlos	10/15/15	3466.98	-	-	47.87	0.00	3,419.11
MW - 13	Manny	11/30/15	3466.98	-	-	47.80	0.00	3,419.18
MW - 13	Carlos	12/11/15	3466.98	-	-	47.77	0.00	3,419.21
MW - 13	Carlos	01/19/16	3466.98	-	-	47.75	0.00	3,419.23
MW - 13	Manny	02/25/16	3466.98	-	-	47.79	0.00	3,419.19
MW - 13	Manny	03/17/16	3466.98	-	-	47.75	0.00	3,419.23
MW - 13	Carlos	04/13/16	3466.98	-	-	47.75	0.00	3,419.23
MW - 13	Manny	06/02/16	3466.98	-	-	47.82	0.00	3,419.16
MW - 13	Carlos	06/30/16	3466.98	-	-	47.88	0.00	3,419.10
MW - 13	Manny	07/26/16	3466.98	-	-	47.97	0.00	3,419.01
MW - 13	Manny	08/23/16	3466.98	-	-	47.93	0.00	3,419.05
MW - 13	Manny	09/12/16	3466.98	-	-	47.73	0.00	3,419.25
MW - 13	Manny	10/12/16	3466.98	-	-	47.60	0.00	3,419.38
MW - 13	Carlos	12/01/16	3466.98	-	-	47.66	0.00	3,419.32
MW - 13	Carlos	12/28/16	3466.98	-	-	47.67	0.00	3,419.31
MW - 13	Carlos	01/25/17	3466.98	-	-	47.74	0.00	3,419.24
MW - 13	Manny	02/23/17	3466.98	-	-	47.66	0.00	3,419.32
MW - 13	Carlos	03/30/17	3466.98	-	-	47.68	0.00	3,419.30
MW - 13	Manny	04/11/17	3466.98	-	-	47.68	0.00	3,419.30
MW - 13	Manny	05/04/17	3466.98	-	-	47.70	0.00	3,419.28
MW - 13	Jeremy	06/07/17	3466.98	-	-	47.73	0.00	3,419.25
MW - 13	Jeremy	07/06/17	3466.98	-	-	47.77	0.00	3,419.21
MW - 13	Jeremy	08/23/17	3466.98	-	-	47.89	0.00	3,419.09
MW - 13	Jeremy	10/09/17	3466.98	-	-	47.92	0.00	3,419.06
MW - 13	Jeremy	11/29/17	3466.98	-	-	47.96	0.00	3,419.02
MW - 13	Jeremy	12/26/17	3466.98	-	-	48.00	0.00	3,418.98
MW - 13	Manny	02/28/18	3466.98	-	-	48.00	0.00	3,418.98
MW - 13	Jeremy	05/24/18	3466.98	-	-	48.06	0.00	3,418.92
MW - 13	Jeremy	06/28/18	3466.98	-	-	48.12	0.00	3,418.86
MW - 13	Jeremy	08/21/18	3466.98	-	-	48.21	0.00	3,418.77
MW - 13	Manny/Elias	12/05/18	3466.98	-	-	48.26	0.00	3,418.72
MW - 13	Jeremy	12/31/18	3466.98	-	-	48.30	0.00	3,418.68
MW - 13	Jeremy	01/18/19	3466.98	-	-	48.27	0.00	3,418.71
MW - 13	Jeremy	02/25/19	3466.98	-	-	48.27	0.00	3,418.71
MW - 13	Manny	05/21/19	3466.98	-	-	48.13	0.00	3,418.85
MW - 13	Manny	07/02/19	3466.98	-	-	48.15	0.00	3,418.83
MW - 13	Manny	07/30/19	3466.98	-	-	48.23	0.00	3,418.75
MW - 13	Manny	08/21/19	3466.98	-	-	48.27	0.00	3,418.71
MW - 13	Elias	12/10/19	3466.98	-	-	48.09	0.00	3,418.89
MW - 13	Elias	01/21/20	3466.98	-	-	48.09	0.00	3,418.89
MW - 13	Elias	02/25/20	3466.98	-	-	48.06	0.00	3,418.92
MW - 13	Manny	06/03/20	3466.98	-	-	48.04	0.00	3,418.94
MW - 13	Manny	09/22/20	3466.98	-	-	48.31	0.00	3,418.67
MW - 13	Manny	11/13/20	3466.98	-	-	48.35	0.00	3,418.63
MW - 13	Manny	03/26/21	3466.98	-	-	48.31	0.00	3,418.67
MW - 13	Manny	05/14/21	3466.98	-	-	48.28	0.00	3,418.70
MW - 13	Manny	09/08/21	3466.98	-	-	48.40	0.00	3,418.58
MW - 13	Manny	12/08/21	3466.98	-	-	48.50	0.00	3,418.48
MW - 13	Manny	12/13/21	3466.98	-	-	48.53	0.00	3,418.45
MW - 13	Manny	03/16/22	3466.98	-	-	48.53	0.00	3,418.45
MW - 13	Manny	05/19/22	3466.98	-	-	48.50	0.00	3,418.48
MW - 13	Manny	09/06/22	3466.98	-	-	48.64	0.00	3,418.34
MW - 13	Manny	11/30/22	3466.98	-	-	48.67	0.00	3,418.31
MW - 13	Manny	02/15/23	3466.98	-	-	48.63	0.00	3,418.35
MW - 13	Manny	05/03/23	3466.98	-	-	48.55	0.00	3,418.43
MW - 13	Manny	09/13/23	3466.98	-	-	48.79	0.00	3,418.19
MW - 13	Manny	12/04/23	3466.98	-	-	48.70	0.00	3,418.28
MW - 13	Manny	03/18/24	3466.98	-	-	48.56	0.00	3,418.42
MW - 13	Manny	06/03/24	3466.98	-	-	48.56	0.00	3,418.42
MW - 13	Manny	09/26/24	3466.98	-	-	48.80	0.00	3,418.18
MW - 13	Manny	11/05/24	3466.98	51.07	-	48.84	0.00	3,418.14

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

HDO 90 - 23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 14		01/06/03	3466.50	-	-	47.97	0.00	3,418.53
MW - 14		01/10/03	3466.50	-	-	47.96	0.00	3,418.54
MW - 14		01/21/03	3466.50	-	-	47.93	0.00	3,418.57
MW - 14		02/10/03	3466.50	-	-	47.92	0.00	3,418.58
MW - 14		05/15/03	3466.50	-	-	47.99	0.00	3,418.51
MW - 14		08/26/03	3466.50	-	-	48.16	0.00	3,418.34
MW - 14		11/24/03	3466.50	-	48.27	48.85	0.58	3,418.14
MW - 14		01/02/04	3466.50	-	48.11	48.60	0.49	3,418.32
MW - 14		01/06/04	3466.50	-	48.10	48.64	0.54	3,418.32
MW - 14		01/27/04	3466.50	-	48.55	49.15	0.60	3,417.86
MW - 14		02/02/04	3466.50	-	48.57	49.23	0.66	3,417.83
MW - 14		02/18/04	3466.50	-	48.11	48.67	0.56	3,418.31
MW - 14		02/23/04	3466.50	-	48.31	48.65	0.34	3,418.14
MW - 14		03/01/04	3466.50	-	48.33	48.68	0.35	3,418.12
MW - 14		03/10/04	3466.50	-	48.34	48.63	0.29	3,418.12
MW - 14		03/15/04	3466.50	-	48.12	48.42	0.30	3,418.34
MW - 14		03/23/04	3466.50	-	48.61	48.96	0.35	3,417.84
MW - 14		03/30/04	3466.50	-	48.65	48.94	0.29	3,417.81
MW - 14		04/07/04	3466.50	-	48.60	49.15	0.55	3,417.82
MW - 14		04/12/04	3466.50	-	48.60	49.01	0.41	3,417.84
MW - 14		04/15/04	3466.50	-	48.57	48.86	0.29	3,417.89
MW - 14		04/19/04	3466.50	-	48.04	48.34	0.30	3,418.42
MW - 14		05/11/04	3466.50	-	48.28	48.61	0.33	3,418.17
MW - 14		05/12/04	3466.50	-	47.91	48.22	0.31	3,418.54
MW - 14		06/09/04	3466.50	-	47.83	48.13	0.30	3,418.63
MW - 14		06/16/04	3466.50	-	47.84	48.09	0.25	3,418.62
MW - 14		06/22/04	3466.50	-	47.85	48.24	0.39	3,418.59
MW - 14		06/29/04	3466.50	-	47.84	48.22	0.38	3,418.60
MW - 14		07/07/04	3466.50	-	47.86	48.25	0.39	3,418.58
MW - 14		07/13/04	3466.50	-	47.84	48.23	0.39	3,418.60
MW - 14		07/21/04	3466.50	-	45.45	45.46	0.01	3,421.05
MW - 14		08/11/04	3466.50	-	47.42	47.69	0.27	3,419.04
MW - 14		08/17/04	3466.50	-	47.44	47.75	0.31	3,419.01
MW - 14		08/23/04	3466.50	-	47.44	47.49	0.05	3,419.05
MW - 14		09/13/04	3466.50	-	47.42	47.51	0.09	3,419.07
MW - 14		09/20/04	3466.50	-	47.40	47.45	0.05	3,419.09
MW - 14		09/29/04	3466.50	-	47.45	47.54	0.09	3,419.04
MW - 14		10/04/04	3466.50	-	47.35	47.52	0.17	3,419.12
MW - 14		10/12/04	3466.50	-	46.80	46.90	0.10	3,419.69
MW - 14		10/19/04	3466.50	-	46.64	46.73	0.09	3,419.85
MW - 14		10/25/04	3466.50	-	46.70	46.73	0.03	3,419.80
MW - 14		11/01/04	3466.50	-	sheen	46.79	0.00	3,419.71
MW - 14		11/09/04	3466.50	-	sheen	46.76	0.00	3,419.74
MW - 14		11/17/04	3466.50	-	sheen	46.80	0.00	3,419.70
MW - 14		11/29/04	3466.50	-	sheen	46.86	0.00	3,419.64
MW - 14		12/07/04	3466.50	-	sheen	46.82	0.00	3,419.68
MW - 14		12/13/04	3466.50	-	sheen	46.88	0.00	3,419.62
MW - 14		12/20/04	3466.50	-	sheen	46.81	0.00	3,419.69
MW - 14		12/30/04	3466.50	-	sheen	46.90	0.00	3,419.60
MW - 14		01/03/05	3466.50	-	sheen	46.88	0.00	3,419.62
MW - 14		01/10/05	3466.50	-	sheen	46.70	0.00	3,419.80
MW - 14		01/17/05	3466.50	-	sheen	46.90	0.00	3,419.60
MW - 14		01/24/05	3466.50	-	sheen	46.90	0.00	3,419.60
MW - 14		01/31/05	3466.50	-	sheen	46.91	0.00	3,419.59
MW - 14		02/07/05	3466.50	-	sheen	46.88	0.00	3,419.62
MW - 14		02/14/05	3466.50	-	sheen	46.90	0.00	3,419.60
MW - 14		02/21/05	3466.50	-	sheen	46.89	0.00	3,419.61
MW - 14		02/28/05	3466.50	-	sheen	46.91	0.00	3,419.59
MW - 14		03/07/05	3466.50	-	sheen	46.86	0.00	3,419.64
MW - 14		03/09/05	3466.50	-	sheen	46.86	0.00	3,419.64
MW - 14		03/16/05	3466.50	-	sheen	46.92	0.00	3,419.58
MW - 14		03/21/05	3466.50	-	sheen	46.88	0.00	3,419.62
MW - 14		03/28/05	3466.50	-	sheen	46.87	0.00	3,419.63
MW - 14		04/04/05	3466.50	-	sheen	46.88	0.00	3,419.62
MW - 14		04/13/05	3466.50	-	sheen	46.91	0.00	3,419.59
MW - 14		04/18/05	3466.50	-	sheen	46.86	0.00	3,419.64

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
SRS NO. HDO 90-23
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 14		05/23/05	3466.50	-	46.92	46.96	0.04	3,419.57
MW - 14		06/09/05	3466.50	-	46.92	46.93	0.01	3,419.58
MW - 14		06/21/05	3466.50	-	46.99	47.03	0.04	3,419.50
MW - 14		07/14/05	3466.50	-	sheen	47.03	0.00	3,419.47
MW - 14		07/26/05	3466.50	-	sheen	47.01	0.00	3,419.49
MW - 14		08/09/05	3466.50	-	sheen	46.88	0.00	3,419.62
MW - 14		08/25/05	3466.50	-	sheen	46.73	0.00	3,419.77
MW - 14		09/01/05	3466.50	-	-	46.71	0.00	3,419.79
MW - 14		09/08/05	3466.50	-	-	46.76	0.00	3,419.74
MW - 14		09/13/05	3466.50	-	sheen	46.76	0.00	3,419.74
MW - 14		09/26/05	3466.50	-	sheen	46.85	0.00	3,419.65
MW - 14		10/11/05	3466.50	-	46.87	46.97	0.10	3,419.62
MW - 14		10/25/05	3466.50	-	46.84	46.90	0.06	3,419.65
MW - 14		11/10/05	3466.50	-	46.85	47.02	0.17	3,419.62
MW - 14		11/14/05	3466.50	-	46.87	46.97	0.10	3,419.62
MW - 14		12/01/05	3466.50	-	46.89	47.08	0.19	3,419.58
MW - 14		12/28/05	3466.50	-	46.95	47.25	0.30	3,419.51
MW - 14		01/11/06	3466.50	-	46.95	47.19	0.24	3,419.51
MW - 14		01/25/06	3466.50	-	47.00	47.26	0.26	3,419.46
MW - 14		02/08/06	3466.50	-	46.95	47.21	0.26	3,419.51
MW - 14		02/23/06	3466.50	-	47.03	47.20	0.17	3,419.44
MW - 14		03/07/06	3466.50	-	46.97	47.21	0.24	3,419.49
MW - 14		03/08/06	3466.50	-	46.96	47.20	0.24	3,419.50
MW - 14		03/20/06	3466.50	-	47.00	47.25	0.25	3,419.46
MW - 14		03/30/06	3466.50	-	46.98	47.22	0.24	3,419.48
MW - 14		05/03/06	3466.50	-	47.01	47.21	0.20	3,419.46
MW - 14		06/01/06	3466.50	-	47.03	47.38	0.35	3,419.42
MW - 14		06/06/06	3466.50	-	47.04	47.25	0.21	3,419.43
MW - 14		06/14/06	3466.50	-	47.03	47.25	0.22	3,419.44
MW - 14		06/29/06	3466.50	-	47.08	47.28	0.20	3,419.39
MW - 14		07/13/06	3466.50	-	47.08	47.11	0.03	3,419.42
MW - 14		07/27/06	3466.50	-	47.09	47.22	0.13	3,419.39
MW - 14		08/10/06	3466.50	-	47.10	47.26	0.16	3,419.38
MW - 14		09/15/06	3466.50	-	47.03	47.11	0.08	3,419.46
MW - 14		10/03/06	3466.50	-	47.05	47.13	0.08	3,419.44
MW - 14		11/20/06	3466.50	-	47.10	47.21	0.11	3,419.38
MW - 14		01/11/07	3466.50	-	47.11	47.21	0.10	3,419.38
MW - 14		02/15/07	3466.50	-	47.13	47.24	0.11	3,419.35
MW - 14		02/23/07	3466.50	-	47.12	47.59	0.47	3,419.31
MW - 14		03/08/07	3466.50	-	47.13	47.23	0.10	3,419.36
MW - 14		03/28/07	3466.50	-	47.13	47.21	0.08	3,419.36
MW - 14		04/25/07	3466.50	-	47.11	47.21	0.10	3,419.38
MW - 14		05/04/07	3466.50	-	47.09	47.11	0.02	3,419.41
MW - 14		05/18/07	3466.50	-	47.07	47.14	0.07	3,419.42
MW - 14		06/14/07	3466.50	-	47.04	47.09	0.05	3,419.45
MW - 14		07/12/07	3466.50	-	47.04	47.08	0.04	3,419.45
MW - 14		08/21/07	3466.50	-	46.11	46.17	0.06	3,420.38
MW - 14		09/14/07	3466.50	-	47.15	47.23	0.08	3,419.34
MW - 14		10/03/07	3466.50	-	sheen	47.12	0.00	3,419.38
MW - 14		10/10/07	3466.50	-	sheen	47.16	0.00	3,419.34
MW - 14		10/17/07	3466.50	-	sheen	47.14	0.00	3,419.36
MW - 14		11/05/07	3466.50	-	sheen	47.13	0.00	3,419.37
MW - 14		12/18/07	3466.50	-	sheen	47.11	0.00	3,419.39
MW - 14		02/08/08	3466.50	-	-	47.14	0.00	3,419.36
MW - 14		02/15/08	3466.50	-	-	47.11	0.00	3,419.39
MW - 14		02/22/08	3466.50	-	-	47.10	0.00	3,419.40
MW - 14		04/04/08	3466.50	-	-	47.09	0.00	3,419.41
MW - 14		05/08/08	3466.50	-	-	47.06	0.00	3,419.44
MW - 14		05/16/08	3466.50	-	-	47.10	0.00	3,419.40
MW - 14		06/05/08	3466.50	-	-	47.09	0.00	3,419.41
MW - 14		06/27/08	3466.50	-	-	47.13	0.00	3,419.37
MW - 14		07/15/08	3466.50	-	-	47.24	0.00	3,419.26
MW - 14		08/12/08	3466.50	-	-	47.29	0.00	3,419.21
MW - 14		08/13/08	3466.50	-	-	47.29	0.00	3,419.21
MW - 14		09/25/08	3466.50	-	-	47.34	0.00	3,419.16
MW - 14		09/30/08	3466.50	-	-	47.33	0.00	3,419.17
MW - 14		10/08/08	3466.50	-	-	47.37	0.00	3,419.13

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
SRS NO. HDO 90-23
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 14		10/24/08	3466.50	-	-	47.32	0.00	3,419.18
MW - 14		11/06/08	3466.50	-	-	47.33	0.00	3,419.17
MW - 14		11/08/08	3466.50	-	-	47.24	0.00	3,419.26
MW - 14		12/17/08	3466.50	-	-	47.39	0.00	3,419.11
MW - 14		12/30/08	3466.50	-	-	47.42	0.00	3,419.08
MW - 14		01/07/09	3466.50	-	-	47.38	0.00	3,419.12
MW - 14		01/22/09	3466.50	-	-	47.34	0.00	3,419.16
MW - 14		01/26/09	3466.50	-	-	47.34	0.00	3,419.16
MW - 14		02/05/09	3466.50	-	-	47.35	0.00	3,419.15
MW - 14		02/13/09	3466.50	-	-	47.30	0.00	3,419.20
MW - 14		02/27/09	3466.50	-	-	47.31	0.00	3,419.19
MW - 14		03/03/09	3466.50	-	-	47.40	0.00	3,419.10
MW - 14		03/10/09	3466.50	-	-	47.28	0.00	3,419.22
MW - 14		03/18/09	3466.50	-	-	47.26	0.00	3,419.24
MW - 14		03/27/09	3466.50	-	-	47.23	0.00	3,419.27
MW - 14		04/02/09	3466.50	-	-	47.43	0.00	3,419.07
MW - 14		04/07/09	3466.50	-	-	47.23	0.00	3,419.27
MW - 14		04/14/09	3466.50	-	-	47.23	0.00	3,419.27
MW - 14		04/28/09	3466.50	-	-	47.25	0.00	3,419.25
MW - 14		05/07/09	3466.50	-	-	47.21	0.00	3,419.29
MW - 14		05/08/09	3466.50	-	-	47.21	0.00	3,419.29
MW - 14		06/02/09	3466.50	-	-	47.26	0.00	3,419.24
MW - 14		06/11/09	3466.50	-	-	47.28	0.00	3,419.22
MW - 14		06/16/09	3466.50	-	-	47.23	0.00	3,419.27
MW - 14		06/26/09	3466.50	-	-	47.31	0.00	3,419.19
MW - 14		06/30/09	3466.50	-	-	47.22	0.00	3,419.28
MW - 14		07/07/09	3466.50	-	-	47.34	0.00	3,419.16
MW - 14		07/15/09	3466.50	-	-	47.36	0.00	3,419.14
MW - 14		07/21/09	3466.50	-	-	47.34	0.00	3,419.16
MW - 14		07/28/09	3466.50	-	-	47.32	0.00	3,419.18
MW - 14		07/31/09	3466.50	-	-	47.39	0.00	3,419.11
MW - 14		08/05/09	3466.50	-	-	47.34	0.00	3,419.16
MW - 14		08/06/09	3466.50	-	-	47.31	0.00	3,419.19
MW - 14		08/13/09	3466.50	-	-	47.31	0.00	3,419.19
MW - 14		08/19/09	3466.50	-	-	47.31	0.00	3,419.19
MW - 14		08/25/09	3466.50	-	-	47.35	0.00	3,419.15
MW - 14		09/01/09	3466.50	-	-	47.39	0.00	3,419.11
MW - 14		09/08/09	3466.50	-	-	47.34	0.00	3,419.16
MW - 14		09/15/09	3466.50	-	-	47.38	0.00	3,419.12
MW - 14		09/25/09	3466.50	-	sheen	47.39	0.00	3,419.11
MW - 14		09/28/09	3466.50	-	-	47.45	0.00	3,419.05
MW - 14		10/02/09	3466.50	-	sheen	47.40	0.00	3,419.10
MW - 14		10/05/09	3466.50	-	-	47.44	0.00	3,419.06
MW - 14		10/09/09	3466.50	-	sheen	47.42	0.00	3,419.08
MW - 14		10/12/09	3466.50	-	-	47.46	0.00	3,419.04
MW - 14		10/22/09	3466.50	-	sheen	47.40	0.00	3,419.10
MW - 14		10/29/09	3466.50	-	sheen	47.41	0.00	3,419.09
MW - 14		11/06/09	3466.50	-	-	47.40	0.00	3,419.10
MW - 14		11/16/09	3466.50	-	-	47.50	0.00	3,419.00
MW - 14		12/22/09	3466.50	-	-	47.37	0.00	3,419.13
MW - 14		01/06/10	3466.50	-	-	47.40	0.00	3,419.10
MW - 14		02/08/10	3466.50	-	-	47.41	0.00	3,419.09
MW - 14		03/03/10	3466.50	-	-	47.39	0.00	3,419.11
MW - 14		03/23/10	3466.50	-	-	47.37	0.00	3,419.13
MW - 14		04/15/10	3466.50	-	-	47.41	0.00	3,419.09
MW - 14		05/11/10	3466.50	-	-	47.43	0.00	3,419.07
MW - 14		08/10/10	3466.50	-	-	47.43	0.00	3,419.07
MW - 14		11/09/10	3466.50	-	-	47.49	0.00	3,419.01
MW - 14		02/15/11	3466.50	-	-	47.48	0.00	3,419.02
MW - 14		05/05/11	3466.50	-	-	47.46	0.00	3,419.04
MW - 14		08/04/11	3466.50	-	-	47.47	0.00	3,419.03
MW - 14		11/21/11	3466.50	-	-	47.66	0.00	3,418.84
MW - 14		02/13/12	3466.50	-	-	47.56	0.00	3,418.94
MW - 14		05/29/12	3466.50	-	-	47.49	0.00	3,419.01
MW - 14		08/10/12	3466.50	-	-	47.58	0.00	3,418.92
MW - 14		11/06/12	3466.50	-	-	47.63	0.00	3,418.87
MW - 14		02/06/13	3466.50	-	-	47.58	0.00	3,418.92

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

HDO 90 - 23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 14		04/19/13	3466.50	-	-	47.59	0.00	3,418.91
MW - 14		05/08/13	3466.50	-	-	47.56	0.00	3,418.94
MW - 14		05/10/13	3466.50	-	-	47.60	0.00	3,418.90
MW - 14		05/17/13	3466.50	-	-	47.57	0.00	3,418.93
MW - 14		05/22/13	3466.50	-	-	47.57	0.00	3,418.93
MW - 14		05/30/13	3466.50	-	-	47.56	0.00	3,418.94
MW - 14		06/12/13	3466.50	-	-	47.58	0.00	3,418.92
MW - 14		06/18/13	3466.50	-	-	47.58	0.00	3,418.92
MW - 14		06/25/13	3466.50	-	-	47.58	0.00	3,418.92
MW - 14		07/02/13	3466.50	-	-	47.61	0.00	3,418.89
MW - 14		07/09/13	3466.50	-	-	47.61	0.00	3,418.89
MW - 14		07/26/13	3466.50	-	-	47.65	0.00	3,418.85
MW - 14		07/29/13	3466.50	-	-	47.64	0.00	3,418.86
MW - 14		08/01/13	3466.50	-	-	47.63	0.00	3,418.87
MW - 14		08/06/13	3466.50	-	-	47.63	0.00	3,418.87
MW - 14		08/15/13	3466.50	-	-	47.65	0.00	3,418.85
MW - 14		08/20/13	3466.50	-	-	47.69	0.00	3,418.81
MW - 14		09/12/13	3466.50	-	-	47.74	0.00	3,418.76
MW - 14		09/19/13	3466.50	-	-	47.73	0.00	3,418.77
MW - 14		09/25/13	3466.50	-	-	47.68	0.00	3,418.82
MW - 14		10/01/13	3466.50	-	-	47.73	0.00	3,418.77
MW - 14		10/09/13	3466.50	-	-	47.71	0.00	3,418.79
MW - 14		10/24/13	3466.50	-	-	47.67	0.00	3,418.83
MW - 14		10/29/13	3466.50	-	-	47.67	0.00	3,418.83
MW - 14		11/04/13	3466.50	-	-	47.63	0.00	3,418.87
MW - 14		11/05/13	3466.50	-	-	47.63	0.00	3,418.87
MW - 14		12/02/13	3466.50	-	-	47.67	0.00	3,418.83
MW - 14		12/10/13	3466.50	-	-	47.65	0.00	3,418.85
MW - 14		12/17/13	3466.50	-	-	47.69	0.00	3,418.81
MW - 14		12/23/13	3466.50	-	-	47.70	0.00	3,418.80
MW - 14		01/01/14	3466.50	-	-	47.65	0.00	3,418.85
MW - 14		01/07/14	3466.50	-	-	47.64	0.00	3,418.86
MW - 14		01/16/14	3466.50	-	-	47.67	0.00	3,418.83
MW - 14	David Fletcher	01/23/14	3466.50	-	-	47.68	0.00	3,418.82
MW - 14	John F	01/28/14	3466.50	-	-	47.68	0.00	3,418.82
MW - 14	john	02/11/14	3466.50	-	-	47.67	0.00	3,418.83
MW - 14	John & Jose	02/26/14	3466.50	-	-	47.61	0.00	3,418.89
MW - 14	David F.	03/21/14	3466.50	-	-	47.60	0.00	3,418.90
MW - 14	David & Manny	03/29/14	3466.50	-	-	47.60	0.00	3,418.90
MW - 14	David & Jose	04/10/14	3466.50	-	-	47.69	0.00	3,418.81
MW - 14	David & Jose	04/17/14	3466.50	-	-	47.62	0.00	3,418.88
MW - 14	Manny & Justin	04/24/14	3466.50	-	-	47.61	0.00	3,418.89
MW - 14	David & Jose	04/17/14	3466.50	-	-	47.62	0.00	3,418.88
MW - 14	David	05/01/14	3466.50	-	-	47.64	0.00	3,418.86
MW - 14	Jose	05/06/14	3466.50	-	-	47.67	0.00	3,418.83
MW - 14	David	05/12/14	3466.50	-	-	47.64	0.00	3,418.86
MW - 14	Baer	05/23/14	3466.50	-	-	47.65	0.00	3,418.85
MW - 14	Manny	05/27/14	3466.50	-	-	47.60	0.00	3,418.90
MW - 14	Jose/David	06/05/14	3466.50	-	-	47.68	0.00	3,418.82
MW - 14	Manny	06/18/14	3466.50	-	-	47.70	0.00	3,418.80
MW - 14	David	07/01/14	3466.50	-	-	47.45	0.00	3,419.05
MW - 14	David	07/23/14	3466.50	-	-	47.76	0.00	3,418.74
MW - 14	David	08/11/14	3466.50	-	-	47.79	0.00	3,418.71
MW - 14	David	08/21/14	3466.50	-	-	47.81	0.00	3,418.69
MW - 14	David	09/04/14	3466.50	-	-	47.81	0.00	3,418.69
MW - 14	Manny	10/28/14	3466.50	-	-	47.34	0.00	3,419.16
MW - 14	Manny	11/15/14	3466.50	-	-	47.32	0.00	3,419.18
MW - 14	Manny	02/18/15	3466.50	-	-	47.28	0.00	3,419.22
MW - 14	Manny/Art	03/19/15	3466.50	-	-	47.28	0.00	3,419.22
MW - 14	Manny/Art	04/16/15	3466.50	-	-	47.26	0.00	3,419.24
MW - 14	Manny/Art	05/28/15	3466.50	-	-	47.33	0.00	3,419.17
MW - 14	Carlos/Matt	07/21/15	3466.50	-	-	47.49	0.00	3,419.01
MW - 14	Manny/Matt	08/20/15	3466.50	-	-	47.57	0.00	3,418.93
MW - 14	Carlos	09/11/15	3466.50	-	-	47.58	0.00	3,418.92
MW - 14	Carlos	10/15/15	3466.50	-	-	47.55	0.00	3,418.95
MW - 14	Manny	11/30/15	3466.50	-	-	47.47	0.00	3,419.03
MW - 14	Carlos	12/11/15	3466.50	-	-	47.43	0.00	3,419.07

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

HDO 90 - 23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 14	Carlos	01/19/16	3466.50	-	-	47.42	0.00	3,419.08
MW - 14	Manny	02/25/16	3466.50	-	-	47.46	0.00	3,419.04
MW - 14	Manny	03/17/16	3466.50	-	-	47.42	0.00	3,419.08
MW - 14	Carlos	04/13/16	3466.50	-	-	47.40	0.00	3,419.10
MW - 14	Manny	06/02/16	3466.50	-	-	48.49	0.00	3,418.01
MW - 14	Carlos	06/30/16	3466.50	-	-	47.55	0.00	3,418.95
MW - 14	Manny	07/26/16	3466.50	-	-	47.63	0.00	3,418.87
MW - 14	Manny	08/23/16	3466.50	-	-	47.61	0.00	3,418.89
MW - 14	Manny	09/12/16	3466.50	-	-	47.42	0.00	3,419.08
MW - 14	Manny	10/12/16	3466.50	-	-	47.28	0.00	3,419.22
MW - 14	Carlos	12/01/16	3466.50	-	-	47.32	0.00	3,419.18
MW - 14	Carlos	12/28/16	3466.50	-	-	47.32	0.00	3,419.18
MW - 14	Carlos	01/25/17	3466.50	-	-	47.37	0.00	3,419.13
MW - 14	Manny	02/23/17	3466.50	-	-	47.31	0.00	3,419.19
MW - 14	Carlos	03/30/17	3466.50	-	-	47.33	0.00	3,419.17
MW - 14	Manny	04/11/17	3466.50	-	-	47.33	0.00	3,419.17
MW - 14	Manny	05/04/17	3466.50	-	-	47.34	0.00	3,419.16
MW - 14	Jeremy	06/07/17	3466.50	-	-	47.37	0.00	3,419.13
MW - 14	Jeremy	07/06/17	3466.50	-	-	47.42	0.00	3,419.08
MW - 14	Jeremy	08/23/17	3466.50	-	-	47.55	0.00	3,418.95
MW - 14	Jeremy	10/09/17	3466.50	-	-	47.60	0.00	3,418.90
MW - 14	Jeremy	11/29/17	3466.50	-	-	47.65	0.00	3,418.85
MW - 14	Jeremy	12/26/17	3466.50	-	-	47.67	0.00	3,418.83
MW - 14	Manny	02/28/18	3466.50	-	-	47.69	0.00	3,418.81
MW - 14	Jeremy	05/24/18	3466.50	-	-	47.73	0.00	3,418.77
MW - 14	Jeremy	06/28/18	3466.50	-	-	47.80	0.00	3,418.70
MW - 14	Jeremy	08/21/18	3466.50	-	-	48.88	0.00	3,417.62
MW - 14	Manny/Elias	12/05/18	3466.50	-	-	47.95	0.00	3,418.55
MW - 14	Jeremy	12/31/18	3466.50	-	-	47.96	0.00	3,418.54
MW - 14	Jeremy	02/25/19	3466.50	-	-	47.95	0.00	3,418.55
MW - 14	Manny	05/21/19	3466.50	-	-	47.78	0.00	3,418.72
MW - 14	Manny	07/02/19	3466.50	-	-	47.82	0.00	3,418.68
MW - 14	Manny	07/30/19	3466.50	-	-	47.89	0.00	3,418.61
MW - 14	Manny	08/21/19	3466.50	-	-	47.94	0.00	3,418.56
MW - 14	Elias	12/10/19	3466.50	-	-	47.75	0.00	3,418.75
MW - 14	Elias	01/21/20	3466.50	-	-	47.74	0.00	3,418.76
MW - 14	Elias	02/25/20	3466.50	-	-	47.73	0.00	3,418.77
MW - 14	Manny	06/03/20	3466.50	-	-	47.70	0.00	3,418.80
MW - 14	Manny	09/22/20	3466.50	-	-	47.98	0.00	3,418.52
MW - 14	Manny	11/13/20	3466.50	-	-	48.02	0.00	3,418.48
MW - 14	Manny	03/26/21	3466.50	-	-	47.98	0.00	3,418.52
MW - 14	Manny	05/14/21	3466.50	-	-	47.95	0.00	3,418.55
MW - 14	Manny	09/07/21	3466.50	-	-	48.07	0.00	3,418.43
MW - 14	Manny	12/08/21	3466.50	-	-	48.18	0.00	3,418.32
MW - 14	Manny	12/13/21	3466.50	-	-	48.20	0.00	3,418.30
MW - 14	Manny	03/16/22	3466.50	-	-	48.23	0.00	3,418.27
MW - 14	Manny	05/19/22	3466.50	-	-	48.17	0.00	3,418.33
MW - 14	Manny	09/06/22	3466.50	-	-	48.32	0.00	3,418.18
MW - 14	Manny	11/30/22	3466.50	-	-	48.39	0.00	3,418.11
MW - 14	Manny	02/15/23	3466.50	-	-	48.31	0.00	3,418.19
MW - 14	Manny	05/03/23	3466.50	-	-	48.23	0.00	3,418.27
MW - 14	Manny	09/13/23	3466.50	-	-	48.52	0.00	3,417.98
MW - 14	Manny	12/04/23	3466.50	-	-	48.35	0.00	3,418.15
MW - 14	Manny	03/18/24	3466.50	-	-	48.23	0.00	3,418.27
MW - 14	Manny	06/03/24	3466.50	-	-	48.22	0.00	3,418.28
MW - 14	Manny	09/26/24	3466.50	-	-	48.48	0.00	3,418.02
MW - 14	Manny	11/05/24	3466.50	54.32	-	48.49	0.00	3,418.01
MW - 15		01/06/03	3466.10	-	-	47.26	0.00	3,418.84
MW - 15		01/10/03	3466.10	-	-	47.23	0.00	3,418.87
MW - 15		01/21/03	3466.10	-	-	47.21	0.00	3,418.89
MW - 15		02/10/03	3466.10	-	-	47.20	0.00	3,418.90
MW - 15		05/15/03	3466.10	-	-	47.27	0.00	3,418.83
MW - 15		08/26/03	3466.10	-	-	47.44	0.00	3,418.66
MW - 15		11/24/03	3466.10	-	-	47.51	0.00	3,418.59
MW - 15		02/18/04	3466.10	-	-	47.46	0.00	3,418.64
MW - 15		05/12/04	3466.10	-	-	47.19	0.00	3,418.91

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

HDO 90 - 23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 15		08/23/04	3466.10	-	-	46.66	0.00	3,419.44
MW - 15		12/07/04	3466.10	-	-	46.04	0.00	3,420.06
MW - 15		03/09/05	3466.10	-	-	46.17	0.00	3,419.93
MW - 15		06/09/05	3466.10	-	-	46.24	0.00	3,419.86
MW - 15		08/09/05	3466.10	-	-	45.81	0.00	3,420.29
MW - 15		09/01/05	3466.10	-	-	45.86	0.00	3,420.24
MW - 15		09/08/05	3466.10	-	-	45.95	0.00	3,420.15
MW - 15		12/01/05	3466.10	-	-	46.20	0.00	3,419.90
MW - 15		03/07/06	3466.10	-	-	46.29	0.00	3,419.81
MW - 15		06/06/06	3466.10	-	-	46.36	0.00	3,419.74
MW - 15		09/17/06	3466.10	-	-	46.28	0.00	3,419.82
MW - 15		11/20/06	3466.10	-	-	46.38	0.00	3,419.72
MW - 15		02/23/07	3466.10	-	-	46.38	0.00	3,419.72
MW - 15		05/18/07	3466.10	-	-	46.32	0.00	3,419.78
MW - 15		08/21/07	3466.10	-	46.40	46.50	0.10	3,419.69
MW - 15		08/27/07	3466.10	-	46.42	46.47	0.05	3,419.67
MW - 15		09/14/07	3466.10	-	sheen	46.45	0.00	3,419.65
MW - 15		09/26/07	3466.10	-	sheen	46.47	0.00	3,419.63
MW - 15		10/03/07	3466.10	-	sheen	46.46	0.00	3,419.64
MW - 15		10/10/07	3466.10	-	sheen	46.46	0.00	3,419.64
MW - 15		10/17/07	3466.10	-	sheen	46.42	0.00	3,419.68
MW - 15		11/05/07	3466.10	-	sheen	46.43	0.00	3,419.67
MW - 15		11/07/07	3466.10	-	sheen	46.44	0.00	3,419.66
MW - 15		12/18/07	3466.10	-	sheen	46.43	0.00	3,419.67
MW - 15		02/08/08	3466.10	-	-	46.38	0.00	3,419.72
MW - 15		05/08/08	3466.10	-	46.45	46.50	0.05	3,419.64
MW - 15		05/16/08	3466.10	-	46.38	46.48	0.10	3,419.71
MW - 15		06/05/08	3466.10	-	-	46.41	0.00	3,419.69
MW - 15		06/27/08	3466.10	-	-	46.49	0.00	3,419.61
MW - 15		07/15/08	3466.10	-	-	46.53	0.00	3,419.57
MW - 15		08/12/08	3466.10	-	-	45.60	0.00	3,420.50
MW - 15		08/13/08	3466.10	-	-	45.60	0.00	3,420.50
MW - 15		09/25/08	3466.10	-	-	46.60	0.00	3,419.50
MW - 15		09/30/08	3466.10	-	-	46.61	0.00	3,419.49
MW - 15		10/08/08	3466.10	-	-	46.62	0.00	3,419.48
MW - 15		10/24/08	3466.10	-	-	-	-	-
MW - 15		11/06/08	3466.10	-	-	46.58	0.00	3,419.52
MW - 15		11/08/08	3466.10	-	-	46.60	0.00	3,419.50
MW - 15		12/17/08	3466.10	-	-	46.66	0.00	3,419.44
MW - 15		12/30/08	3466.10	-	-	46.61	0.00	3,419.49
MW - 15		01/07/09	3466.10	-	-	46.63	0.00	3,419.47
MW - 15		01/22/09	3466.10	-	-	46.65	0.00	3,419.45
MW - 15		01/26/09	3466.10	-	-	46.62	0.00	3,419.48
MW - 15		02/05/09	3466.10	-	-	46.62	0.00	3,419.48
MW - 15		02/13/09	3466.10	-	-	46.59	0.00	3,419.51
MW - 15		02/27/09	3466.10	-	-	46.58	0.00	3,419.52
MW - 15		03/03/09	3466.10	-	-	46.64	0.00	3,419.46
MW - 15		03/10/09	3466.10	-	-	46.55	0.00	3,419.55
MW - 15		03/18/09	3466.10	-	-	46.53	0.00	3,419.57
MW - 15		03/27/09	3466.10	-	-	46.52	0.00	3,419.58
MW - 15		04/02/09	3466.10	-	-	46.66	0.00	3,419.44
MW - 15		04/07/09	3466.10	-	-	46.54	0.00	3,419.56
MW - 15		04/14/09	3466.10	-	-	46.54	0.00	3,419.56
MW - 15		04/28/09	3466.10	-	-	46.52	0.00	3,419.58
MW - 15		05/07/09	3466.10	-	-	46.50	0.00	3,419.60
MW - 15		05/08/09	3466.10	-	-	46.50	0.00	3,419.60
MW - 15		06/02/09	3466.10	-	-	46.54	0.00	3,419.56
MW - 15		06/11/09	3466.10	-	-	46.51	0.00	3,419.59
MW - 15		06/16/09	3466.10	-	-	46.45	0.00	3,419.65
MW - 15		06/26/09	3466.10	-	-	46.52	0.00	3,419.58
MW - 15		06/30/09	3466.10	-	-	46.44	0.00	3,419.66
MW - 15		07/07/09	3466.10	-	-	46.57	0.00	3,419.53
MW - 15		07/15/09	3466.10	-	-	45.60	0.00	3,420.50
MW - 15		07/21/09	3466.10	-	-	46.62	0.00	3,419.48
MW - 15		07/28/09	3466.10	-	-	46.55	0.00	3,419.55
MW - 15		07/31/09	3466.10	-	-	46.63	0.00	3,419.47
MW - 15		08/05/09	3466.10	-	-	46.55	0.00	3,419.55

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

HDO 90 - 23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 15		08/06/09	3466.10	-	-	46.53	0.00	3,419.57
MW - 15		08/13/09	3466.10	-	-	46.53	0.00	3,419.57
MW - 15		08/19/09	3466.10	-	-	46.56	0.00	3,419.54
MW - 15		08/25/09	3466.10	-	-	46.61	0.00	3,419.49
MW - 15		09/01/09	3466.10	-	-	46.65	0.00	3,419.45
MW - 15		09/08/09	3466.10	-	-	46.55	0.00	3,419.55
MW - 15		09/15/09	3466.10	-	-	46.57	0.00	3,419.53
MW - 15		09/25/09	3466.10	-	sheen	46.68	0.00	3,419.42
MW - 15		09/28/09	3466.10	-	-	46.73	0.00	3,419.37
MW - 15		10/02/09	3466.10	-	sheen	46.68	0.00	3,419.42
MW - 15		10/05/09	3466.10	-	-	46.73	0.00	3,419.37
MW - 15		10/09/09	3466.10	-	sheen	46.69	0.00	3,419.41
MW - 15		10/12/09	3466.10	-	-	46.74	0.00	3,419.36
MW - 15		10/22/09	3466.10	-	sheen	46.20	0.00	3,419.90
MW - 15		10/29/09	3466.10	-	sheen	46.68	0.00	3,419.42
MW - 15		11/06/09	3466.10	-	-	46.70	0.00	3,419.40
MW - 15		11/16/09	3466.10	-	-	46.78	0.00	3,419.32
MW - 15		11/25/09	3466.10	-	-	-	0.00	3,466.10
MW - 15		12/22/09	3466.10	-	-	46.58	0.00	3,419.52
MW - 15		01/06/10	3466.10	-	-	46.70	0.00	3,419.40
MW - 15		02/08/10	3466.10	-	-	46.70	0.00	3,419.40
MW - 15		03/03/10	3466.10	-	-	46.69	0.00	3,419.41
MW - 15		05/11/10	3466.10	-	-	46.73	0.00	3,419.37
MW - 15		08/10/10	3466.10	-	-	46.72	0.00	3,419.38
MW - 15		11/09/10	3466.10	-	-	46.80	0.00	3,419.30
MW - 15		02/15/11	3466.10	-	-	46.81	0.00	3,419.29
MW - 15		05/05/11	3466.10	-	-	46.80	0.00	3,419.30
MW - 15		08/04/11	3466.10	-	-	46.83	0.00	3,419.27
MW - 15		11/21/11	3466.10	-	-	46.94	0.00	3,419.16
MW - 15		02/13/12	3466.10	-	-	46.84	0.00	3,419.26
MW - 15		05/29/12	3466.10	-	-	46.78	0.00	3,419.32
MW - 15		08/10/12	3466.10	-	-	46.88	0.00	3,419.22
MW - 15		11/06/12	3466.10	-	-	46.93	0.00	3,419.17
MW - 15		02/06/13	3466.10	-	-	46.86	0.00	3,419.24
MW - 15		06/05/13	3466.50	-	-	47.57	0.00	3,418.93
MW - 15		05/08/13	3466.10	-	-	46.85	0.00	3,419.25
MW - 15		08/01/13	3466.10	-	-	46.93	0.00	3,419.17
MW - 15		11/05/13	3466.10	-	-	46.89	0.00	3,419.21
MW - 15	John & Jose	02/26/14	3466.10	-	-	46.90	0.00	3,419.20
MW - 15	David	05/12/14	3466.10	-	-	46.94	0.00	3,419.16
MW - 15	David	07/23/14	3466.10	-	-	47.09	0.00	3,419.01
MW - 15	David	08/11/14	3466.10	-	-	47.11	0.00	3,418.99
MW - 15	Manny	10/28/14	3466.10	-	-	46.58	0.00	3,419.52
MW - 15	Manny	11/15/14	3466.10	-	-	46.23	0.00	3,419.87
MW - 15	Manny	02/18/15	3466.10	-	-	46.57	0.00	3,419.53
MW - 15	Manny/Art	03/19/15	3466.10	-	-	46.57	0.00	3,419.53
MW - 15	Manny/Art	04/16/15	3466.10	-	-	46.57	0.00	3,419.53
MW - 15	Manny/Art	05/28/15	3466.10	-	-	46.60	0.00	3,419.50
MW - 15	Carlos/Matt	07/21/15	3466.10	-	-	46.80	0.00	3,419.30
MW - 15	Manny/Matt	08/20/15	3466.10	-	-	46.88	0.00	3,419.22
MW - 15	Carlos	09/11/15	3466.10	-	-	46.87	0.00	3,419.23
MW - 15	Carlos	10/15/15	3466.10	-	-	46.84	0.00	3,419.26
MW - 15	Manny	11/30/15	3466.10	-	-	46.74	0.00	3,419.36
MW - 15	Carlos	12/11/15	3466.10	-	-	46.72	0.00	3,419.38
MW - 15	Carlos	01/19/16	3466.10	-	-	46.73	0.00	3,419.37
MW - 15	Manny	02/25/16	3466.10	-	-	46.74	0.00	3,419.36
MW - 15	Manny	03/17/16	3466.10	-	-	46.72	0.00	3,419.38
MW - 15	Carlos	04/13/16	3466.10	-	-	46.71	0.00	3,419.39
MW - 15	Manny	06/02/16	3466.10	-	-	46.75	0.00	3,419.35
MW - 15	Carlos	06/30/16	3466.10	-	-	46.86	0.00	3,419.24
MW - 15	Manny	07/26/16	3466.10	-	-	46.93	0.00	3,419.17
MW - 15	Manny	08/23/16	3466.10	-	-	46.88	0.00	3,419.22
MW - 15	Manny	09/12/16	3466.10	-	-	46.61	0.00	3,419.49
MW - 15	Manny	10/12/16	3466.10	-	-	46.47	0.00	3,419.63
MW - 15	Carlos	12/01/16	3466.10	-	-	46.59	0.00	3,419.51
MW - 15	Carlos	12/28/16	3466.10	-	-	46.60	0.00	3,419.50
MW - 15	Carlos	01/25/17	3466.10	-	-	46.66	0.00	3,419.44

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

HDO 90 - 23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 15	Manny	02/23/17	3466.10	-	-	46.59	0.00	3,419.51
MW - 15	Carlos	03/30/17	3466.10	-	-	46.62	0.00	3,419.48
MW - 15	Manny	04/11/17	3466.10	-	-	46.63	0.00	3,419.47
MW - 15	Manny	05/04/17	3466.10	-	-	46.62	0.00	3,419.48
MW - 15	Jeremy	06/07/17	3466.10	-	-	46.67	0.00	3,419.43
MW - 15	Jeremy	07/06/17	3466.10	-	-	47.73	0.00	3,418.37
MW - 15	Jeremy	08/23/17	3466.10	-	-	46.84	0.00	3,419.26
MW - 15	Jeremy	10/09/17	3466.10	-	-	46.88	0.00	3,419.22
MW - 15	Jeremy	11/29/17	3466.10	-	-	46.92	0.00	3,419.18
MW - 15	Jeremy	12/26/17	3466.10	-	-	46.95	0.00	3,419.15
MW - 15	Manny	02/28/18	3466.10	-	-	46.96	0.00	3,419.14
MW - 15	Jeremy	05/24/18	3466.10	-	-	48.19	0.00	3,417.91
MW - 15	Jeremy	06/28/18	3466.10	-	-	47.09	0.00	3,419.01
MW - 15	Jeremy	08/21/18	3466.10	-	-	47.21	0.00	3,418.89
MW - 15	Manny/Elias	12/05/18	3466.10	-	-	47.22	0.00	3,418.88
MW - 15	Jeremy	12/31/18	3466.10	-	-	47.25	0.00	3,418.85
MW - 15	Jeremy	01/18/19	3466.10	-	-	47.23	0.00	3,418.87
MW - 15	Jeremy	02/25/19	3466.10	-	-	47.22	0.00	3,418.88
MW - 15	Manny	05/21/19	3466.10	-	-	47.10	0.00	3,419.00
MW - 15	Manny	07/02/19	3466.10	-	-	47.12	0.00	3,418.98
MW - 15	Manny	07/30/19	3466.10	-	-	47.20	0.00	3,418.90
MW - 15	Manny	08/21/19	3466.10	-	-	47.25	0.00	3,418.85
MW - 15	Elias	12/10/19	3466.10	-	-	47.02	0.00	3,419.08
MW - 15	Elias	01/21/20	3466.10	-	-	47.03	0.00	3,419.07
MW - 15	Elias	02/25/20	3466.10	-	-	47.02	0.00	3,419.08
MW - 15	Manny	06/03/20	3466.10	-	-	46.99	0.00	3,419.11
MW - 15	Manny	09/22/20	3466.10	-	-	47.28	0.00	3,418.82
MW - 15	Manny	11/13/20	3466.10	-	-	47.33	0.00	3,418.77
MW - 15	Manny	03/26/21	3466.10	-	-	47.25	0.00	3,418.85
MW - 15	Manny	05/14/21	3466.10	-	-	47.24	0.00	3,418.86
MW - 15	Manny	09/07/21	3466.10	-	-	47.38	0.00	3,418.72
MW - 15	Manny	12/08/21	3466.10	-	-	47.50	0.00	3,418.60
MW - 15	Manny	12/13/21	3466.10	-	-	47.51	0.00	3,418.59
MW - 15	Manny	03/16/22	3466.10	-	-	47.50	0.00	3,418.60
MW - 15	Manny	05/19/22	3466.10	-	-	47.50	0.00	3,418.60
MW - 15	Manny	09/06/22	3466.10	-	-	47.67	0.00	3,418.43
MW - 15	Manny	11/30/22	3466.10	-	-	47.66	0.00	3,418.44
MW - 15	Manny	02/15/23	3466.10	-	-	47.59	0.00	3,418.51
MW - 15	Manny	05/03/23	3466.10	-	-	47.50	0.00	3,418.60
MW - 15	Manny	09/13/23	3466.10	-	-	47.80	0.00	3,418.30
MW - 15	Manny	12/04/23	3466.10	-	-	47.63	0.00	3,418.47
MW - 15	Manny	03/18/24	3466.10	-	-	47.51	0.00	3,418.59
MW - 15	Manny	06/03/24	3466.10	-	-	47.50	0.00	3,418.60
MW - 15	Manny	09/26/24	3466.10	-	-	47.79	0.00	3,418.31
MW - 15	Manny	11/05/24	3466.10	52.36	-	47.81	0.00	3,418.29
MW - 16		12/07/04	3465.93	-	-	46.21	0.00	3,419.72
MW - 16		12/10/04	3465.93	-	-	46.25	0.00	3,419.68
MW - 16		03/09/05	3465.93	-	-	46.25	0.00	3,419.68
MW - 16		06/09/05	3465.93	-	-	46.31	0.00	3,419.62
MW - 16		08/09/05	3465.93	-	-	46.29	0.00	3,419.64
MW - 16		09/01/05	3465.93	-	-	46.13	0.00	3,419.80
MW - 16		09/08/05	3465.93	-	-	46.15	0.00	3,419.78
MW - 16		12/01/05	3465.93	-	-	46.27	0.00	3,419.66
MW - 16		03/07/06	3465.93	-	-	46.34	0.00	3,419.59
MW - 16		06/06/06	3465.93	-	-	46.46	0.00	3,419.47
MW - 16		09/15/06	3465.93	-	-	46.38	0.00	3,419.55
MW - 16		11/20/06	3465.93	-	-	46.42	0.00	3,419.51
MW - 16		02/23/07	3465.93	-	-	46.49	0.00	3,419.44
MW - 16		05/18/07	3465.93	-	-	46.43	0.00	3,419.50
MW - 16		08/21/07	3465.93	-	-	46.50	0.00	3,419.43
MW - 16		11/05/07	3465.93	-	-	46.49	0.00	3,419.44
MW - 16		02/08/08	3465.93	-	-	46.44	0.00	3,419.49
MW - 16		05/08/08	3465.93	-	-	46.40	0.00	3,419.53
MW - 16		08/13/08	3465.93	-	-	46.68	0.00	3,419.25
MW - 16		11/06/08	3465.93	-	-	46.73	0.00	3,419.20
MW - 16		02/04/09	3465.93	-	-	46.69	0.00	3,419.24

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

HDO 90 - 23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 16		05/08/09	3465.93	-	-	46.58	0.00	3,419.35
MW - 16		08/05/09	3465.93	-	-	46.73	0.00	3,419.20
MW - 16		11/16/09	3465.93	-	-	46.83	0.00	3,419.10
MW - 16		01/06/10	3465.93	-	-	46.70	0.00	3,419.23
MW - 16		02/08/10	3465.93	-	-	46.70	0.00	3,419.23
MW - 16		05/11/10	3465.93	-	-	46.69	0.00	3,419.24
MW - 16		08/10/10	3465.93	-	-	46.69	0.00	3,419.24
MW - 16		11/09/10	3465.93	-	-	46.84	0.00	3,419.09
MW - 16		02/15/11	3465.93	-	-	46.83	0.00	3,419.10
MW - 16		05/05/11	3465.93	-	-	46.85	0.00	3,419.08
MW - 16		08/04/11	3465.93	-	-	46.87	0.00	3,419.06
MW - 16		11/21/11	3465.93	-	-	47.04	0.00	3,418.89
MW - 16		02/13/12	3465.93	-	-	46.90	0.00	3,419.03
MW - 16		05/29/12	3465.93	-	-	46.83	0.00	3,419.10
MW - 16		08/10/12	3465.93	-	-	46.94	0.00	3,418.99
MW - 16		11/06/12	3465.93	-	-	47.00	0.00	3,418.93
MW - 16		02/06/13	3465.93	-	-	46.93	0.00	3,419.00
MW - 16		05/08/13	3465.93	-	-	46.91	0.00	3,419.02
MW - 16		08/01/13	3465.93	-	-	47.03	0.00	3,418.90
MW - 16		11/05/13	3465.93	-	-	47.01	0.00	3,418.92
MW - 16	John & Jose	02/26/14	3465.93	-	-	46.95	0.00	3,418.98
MW - 16	David & Jose	04/10/14	3465.93	-	45.70	47.62	1.92	3,419.94
MW - 16	David & Jose	04/17/14	3465.93	-	45.71	47.62	1.91	3,419.93
MW - 16	David & Jose	04/17/14	3465.93	-	45.91	46.41	0.50	3,419.95
MW - 16	Manny & Justin	04/24/14	3465.93	-	-	47.29	0.00	3,418.64
MW - 16	David	05/12/14	3465.93	-	-	47.03	0.00	3,418.90
MW - 16	Manny	05/27/14	3465.93	-	-	47.05	0.00	3,418.88
MW - 16	Manny	06/18/14	3465.93	-	-	47.18	0.00	3,418.75
MW - 16	David	07/23/14	3465.93	-	-	47.20	0.00	3,418.73
MW - 16	David	08/11/14	3465.93	-	-	47.24	0.00	3,418.69
MW - 16	Manny	10/28/14	3465.93	-	-	46.75	0.00	3,419.18
MW - 16	Manny	11/15/14	3465.93	-	-	46.70	0.00	3,419.23
MW - 16	Manny	02/18/15	3465.93	-	-	46.64	0.00	3,419.29
MW - 16	Manny/Art	03/19/15	3465.93	-	-	46.68	0.00	3,419.25
MW - 16	Manny/Art	04/16/15	3465.93	-	-	46.64	0.00	3,419.29
MW - 16	Manny/Art	05/28/15	3465.93	-	-	46.74	0.00	3,419.19
MW - 16	Carlos/Matt	07/21/15	3465.93	-	-	46.92	0.00	3,419.01
MW - 16	Manny/Matt	08/20/15	3465.93	-	-	47.01	0.00	3,418.92
MW - 16	Carlos	09/11/15	3465.93	-	-	46.99	0.00	3,418.94
MW - 16	Carlos	10/15/15	3465.93	-	-	46.96	0.00	3,418.97
MW - 16	Manny	11/30/15	3465.93	-	-	46.85	0.00	3,419.08
MW - 16	Carlos	12/11/15	3465.93	-	-	46.90	0.00	3,419.03
MW - 16	Carlos	01/19/16	3465.93	-	-	46.78	0.00	3,419.15
MW - 16	Manny	02/25/16	3465.93	-	-	46.83	0.00	3,419.10
MW - 16	Manny	03/17/16	3465.93	-	-	46.80	0.00	3,419.13
MW - 16	Carlos	04/13/16	3465.93	-	-	46.77	0.00	3,419.16
MW - 16	Manny	06/02/16	3465.93	-	-	46.88	0.00	3,419.05
MW - 16	Carlos	06/30/16	3465.93	-	-	46.97	0.00	3,418.96
MW - 16	Manny	07/26/16	3465.93	-	-	47.07	0.00	3,418.86
MW - 16	Manny	09/12/16	3465.93	-	-	47.16	0.00	3,418.77
MW - 16	Manny	10/12/16	3465.93	-	-	46.85	0.00	3,419.08
MW - 16	Carlos	12/01/16	3465.93	-	-	47.01	0.00	3,418.92
MW - 16	Carlos	12/28/16	3465.93	-	-	47.19	0.00	3,418.74
MW - 16	Carlos	01/25/17	3465.93	-	-	47.13	0.00	3,418.80
MW - 16	Manny	02/23/17	3465.93	-	-	47.02	0.00	3,418.91
MW - 16	Carlos	03/30/17	3465.93	-	-	47.04	0.00	3,418.89
MW - 16	Manny	04/11/17	3465.93	-	-	47.01	0.00	3,418.92
MW - 16	Manny	05/04/17	3465.93	-	-	46.99	0.00	3,418.94
MW - 16	Jeremy	06/07/17	3465.93	-	-	47.00	0.00	3,418.93
MW - 16	Jeremy	07/06/17	3465.93	-	-	47.04	0.00	3,418.89
MW - 16	Jeremy	08/23/17	3465.93	-	-	47.12	0.00	3,418.81
MW - 16	Jeremy	10/09/17	3465.93	-	-	47.11	0.00	3,418.82
MW - 16	Jeremy	11/29/17	3465.93	-	-	47.21	0.00	3,418.72
MW - 16	Jeremy	12/26/17	3465.93	-	-	47.53	0.00	3,418.40
MW - 16	Manny	02/28/18	3465.93	-	-	47.43	0.00	3,418.50
MW - 16	Jeremy	05/24/18	3465.93	-	-	47.52	0.00	3,418.41
MW - 16	Jeremy	06/28/18	3465.93	-	-	47.58	0.00	3,418.35

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

HDO 90 - 23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 16	Jeremy	08/21/18	3465.93	-	-	47.70	0.00	3,418.23
MW - 16	Manny/Elias	12/05/18	3465.93	-	-	47.76	0.00	3,418.17
MW - 16	Jeremy	12/31/18	3465.93	-	-	48.26	0.00	3,417.67
MW - 16	Jeremy	01/18/19	3465.93	-	-	47.99	0.00	3,417.94
MW - 16	Jeremy	02/25/19	3465.93	-	-	47.84	0.00	3,418.09
MW - 16	Manny	05/21/19	3465.93	-	-	47.60	0.00	3,418.33
MW - 16	Manny	07/02/19	3465.93	-	-	47.70	0.00	3,418.23
MW - 16	Manny	07/30/19	3465.93	-	-	47.82	0.00	3,418.11
MW - 16	Manny	08/21/19	3465.93	-	-	47.83	0.00	3,418.10
MW - 16	Elias	12/10/19	3465.93	-	-	47.71	0.00	3,418.22
MW - 16	Elias	01/21/20	3465.93	-	-	48.04	0.00	3,417.89
MW - 16	Elias	02/25/20	3465.93	-	-	47.89	0.00	3,418.04
MW - 16	Manny	06/02/20	3465.93	-	-	47.67	0.00	3,418.26
MW - 16	Manny	09/21/20	3465.93	-	-	48.09	0.00	3,417.84
MW - 16	Manny	11/13/20	3465.93	-	-	48.08	0.00	3,417.85
MW - 16	Manny	03/25/21	3465.93	-	-	48.12	0.00	3,417.81
MW - 16	Manny	05/13/21	3465.93	-	-	48.12	0.00	3,417.81
MW - 16	Manny	09/07/21	3465.93	-	-	48.13	0.00	3,417.80
MW - 16	Manny	12/08/21	3465.93	-	-	47.60	0.00	3,418.33
MW - 16	Manny	12/13/21	3465.93	-	-	47.58	0.00	3,418.35
MW - 16	Manny	03/16/22	3465.93	-	-	47.61	0.00	3,418.32
MW - 16	Manny	09/06/22	3465.93	DRY	-	-	-	-
MW - 16	Manny	12/02/22	3465.93	DRY	-	-	-	-
MW - 16	Manny	02/15/23	3465.93	DRY	-	-	-	-
MW - 16	Manny	05/03/23	3465.93	DRY	-	-	-	-
MW - 16	Manny	09/13/23	3465.93	DRY	-	-	-	-
MW - 16	Manny	12/04/23	3465.93	DRY	-	-	-	-
MW - 16	Manny	12/04/23	3465.93	DRY	-	-	-	-
MW - 16	Manny	03/18/24	3465.93	DRY	-	-	-	-
MW - 16	Manny	06/03/24	3465.93	DRY	-	-	-	-
MW - 16	Manny	09/26/24	3465.93	DRY	-	-	-	-
MW - 16	Manny	11/05/24	3465.93	DRY	-	-	-	-
MW - 17		12/07/04	3468.68	-	-	49.10	0.00	3,419.58
MW - 17		12/10/04	3468.68	-	-	49.13	0.00	3,419.55
MW - 17		03/09/05	3468.68	-	-	49.12	0.00	3,419.56
MW - 17		06/09/05	3468.68	-	-	49.19	0.00	3,419.49
MW - 17		08/09/05	3468.68	-	-	49.18	0.00	3,419.50
MW - 17		09/01/05	3468.68	-	-	49.03	0.00	3,419.65
MW - 17		09/08/05	3468.68	-	-	49.05	0.00	3,419.63
MW - 17		12/01/05	3468.68	-	-	49.16	0.00	3,419.52
MW - 17		03/07/06	3468.68	-	-	49.23	0.00	3,419.45
MW - 17		06/06/06	3468.68	-	-	49.34	0.00	3,419.34
MW - 17		09/15/06	3468.68	-	-	49.30	0.00	3,419.38
MW - 17		11/20/06	3468.68	-	-	49.33	0.00	3,419.35
MW - 17		02/23/07	3468.68	-	-	49.38	0.00	3,419.30
MW - 17		05/18/07	3468.68	-	-	49.34	0.00	3,419.34
MW - 17		08/21/07	3468.68	-	-	49.41	0.00	3,419.27
MW - 17		11/05/07	3468.68	-	-	49.39	0.00	3,419.29
MW - 17		02/08/08	3468.68	-	-	49.34	0.00	3,419.34
MW - 17		05/08/08	3468.68	-	-	49.31	0.00	3,419.37
MW - 17		08/13/08	3468.68	-	-	49.55	0.00	3,419.13
MW - 17		11/06/08	3468.68	-	-	49.62	0.00	3,419.06
MW - 17		02/04/09	3468.68	-	-	49.61	0.00	3,419.07
MW - 17		05/08/09	3468.68	-	-	49.49	0.00	3,419.19
MW - 17		08/05/09	3468.68	-	-	49.68	0.00	3,419.00
MW - 17		11/16/09	3468.68	-	-	49.72	0.00	3,418.96
MW - 17		01/06/10	3468.68	-	-	49.62	0.00	3,419.06
MW - 17		02/08/10	3468.68	-	-	49.62	0.00	3,419.06
MW - 17		05/11/10	3468.68	-	-	49.63	0.00	3,419.05
MW - 17		08/10/10	3468.68	-	-	49.63	0.00	3,419.05
MW - 17		11/09/10	3468.68	-	-	49.70	0.00	3,418.98
MW - 17		02/15/11	3468.68	-	-	49.73	0.00	3,418.95
MW - 17		05/05/11	3468.68	-	-	49.72	0.00	3,418.96
MW - 17		08/04/11	3468.68	-	-	49.72	0.00	3,418.96
MW - 17		11/21/11	3468.68	-	-	49.94	0.00	3,418.74
MW - 17		02/13/12	3468.68	-	-	49.82	0.00	3,418.86

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

HDO 90 - 23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 17		05/29/12	3468.68	-	-	49.75	0.00	3,418.93
MW - 17		08/10/12	3468.68	-	-	49.84	0.00	3,418.84
MW - 17		11/06/12	3468.68	-	-	49.90	0.00	3,418.78
MW - 17		02/06/13	3468.68	-	-	49.83	0.00	3,418.85
MW - 17		05/08/13	3468.68	-	-	49.83	0.00	3,418.85
MW - 17		08/01/13	3468.68	-	-	49.90	0.00	3,418.78
MW - 17		11/05/13	3468.68	-	-	49.91	0.00	3,418.77
MW - 17	John & Jose	02/26/14	3468.68	-	-	49.86	0.00	3,418.82
MW - 17	David	05/12/14	3468.68	-	-	49.93	0.00	3,418.75
MW - 17	David	07/11/14	3468.68	-	-	50.08	0.00	3,418.60
MW - 17	David	07/23/14	3468.68	-	-	50.02	0.00	3,418.66
MW - 17	David	08/11/14	3468.68	-	-	50.08	0.00	3,418.60
MW - 17	Manny	10/28/14	3468.68	-	-	49.62	0.00	3,419.06
MW - 17	Manny	11/15/14	3468.68	-	-	49.59	0.00	3,419.09
MW - 17	Manny	02/18/15	3468.68	-	-	49.52	0.00	3,419.16
MW - 17	Manny/Art	03/19/15	3468.68	-	-	49.53	0.00	3,419.15
MW - 17	Manny/Art	04/16/15	3468.68	-	-	49.51	0.00	3,419.17
MW - 17	Manny/Art	05/28/15	3468.68	-	-	49.62	0.00	3,419.06
MW - 17	Carlos/Matt	07/21/15	3468.68	-	-	49.80	0.00	3,418.88
MW - 17	Manny/Matt	08/20/15	3468.68	-	-	49.87	0.00	3,418.81
MW - 17	Carlos	09/11/15	3468.68	-	-	49.86	0.00	3,418.82
MW - 17	Carlos	10/15/15	3468.68	-	-	49.83	0.00	3,418.85
MW - 17	Manny	11/30/15	3468.68	-	-	49.76	0.00	3,418.92
MW - 17	Carlos	12/11/15	3468.68	-	-	49.69	0.00	3,418.99
MW - 17	Carlos	01/19/16	3468.68	-	-	49.69	0.00	3,418.99
MW - 17	Manny	02/25/16	3468.68	-	-	49.71	0.00	3,418.97
MW - 17	Manny	03/17/16	3468.68	-	-	49.68	0.00	3,419.00
MW - 17	Carlos	04/13/16	3468.68	-	-	49.67	0.00	3,419.01
MW - 17	Manny	06/02/16	3468.68	-	-	49.76	0.00	3,418.92
MW - 17	Carlos	06/30/16	3468.68	-	-	49.84	0.00	3,418.84
MW - 17	Manny	07/26/16	3468.68	-	-	49.93	0.00	3,418.75
MW - 17	Manny	09/12/16	3468.68	-	-	49.72	0.00	3,418.96
MW - 17	Manny	10/12/16	3468.68	-	-	49.54	0.00	3,419.14
MW - 17	Carlos	12/01/16	3468.68	-	-	49.59	0.00	3,419.09
MW - 17	Carlos	12/28/16	3468.68	-	-	49.17	0.00	3,419.51
MW - 17	Carlos	01/25/17	3468.68	-	-	49.62	0.00	3,419.06
MW - 17	Manny	02/23/17	3468.68	-	-	49.56	0.00	3,419.12
MW - 17	Carlos	03/30/17	3468.68	-	-	49.58	0.00	3,419.10
MW - 17	Manny	04/11/17	3468.68	-	-	49.57	0.00	3,419.11
MW - 17	Manny	05/04/17	3468.68	-	-	49.58	0.00	3,419.10
MW - 17	Jeremy	06/07/17	3468.68	-	-	49.63	0.00	3,419.05
MW - 17	Jeremy	07/06/17	3468.68	-	-	49.69	0.00	3,418.99
MW - 17	Jeremy	08/23/17	3468.68	-	-	49.78	0.00	3,418.90
MW - 17	Jeremy	10/09/17	3468.68	-	-	49.91	0.00	3,418.77
MW - 17	Jeremy	11/29/17	3468.68	-	-	49.94	0.00	3,418.74
MW - 17	Jeremy	12/26/17	3468.68	-	-	49.97	0.00	3,418.71
MW - 17	Manny	02/28/18	3468.68	-	-	49.97	0.00	3,418.71
MW - 17	Jeremy	05/24/18	3468.68	-	-	47.79	0.00	3,420.89
MW - 17	Jeremy	06/28/18	3468.68	-	-	50.09	0.00	3,418.59
MW - 17	Jeremy	08/21/18	3468.68	-	-	50.19	0.00	3,418.49
MW - 17	Manny/Elias	12/05/18	3468.68	-	-	50.24	0.00	3,418.44
MW - 17	Jeremy	12/31/18	3468.68	-	-	50.28	0.00	3,418.40
MW - 17	Jeremy	01/18/19	3468.68	-	-	50.24	0.00	3,418.44
MW - 17	Jeremy	02/25/19	3468.68	-	-	50.25	0.00	3,418.43
MW - 17	Manny	05/21/19	3468.68	-	-	50.05	0.00	3,418.63
MW - 17	Manny	07/02/19	3468.68	-	-	50.11	0.00	3,418.57
MW - 17	Manny	07/30/19	3468.68	-	-	50.17	0.00	3,418.51
MW - 17	Manny	08/21/19	3468.68	-	-	50.22	0.00	3,418.46
MW - 17	Elias	12/10/19	3468.68	-	-	50.01	0.00	3,418.67
MW - 17	Elias	01/21/20	3468.68	-	-	50.00	0.00	3,418.68
MW - 17	Elias	02/25/20	3468.68	-	-	49.99	0.00	3,418.69
MW - 17	Manny	06/02/20	3468.68	-	-	49.96	0.00	3,418.72
MW - 17	Manny	09/22/20	3468.68	-	-	50.28	0.00	3,418.40
MW - 17	Manny	11/13/20	3468.68	-	-	50.31	0.00	3,418.37
MW - 17	Manny	03/26/21	3468.68	-	-	50.26	0.00	3,418.42
MW - 17	Manny	05/14/21	3468.68	-	-	50.22	0.00	3,418.46
MW - 17	Manny	09/07/21	3468.68	-	-	50.35	0.00	3,418.33

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
SRS NO. HDO 90-23
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 17	Manny	12/08/21	3468.68	-	-	50.50	0.00	3,418.18
MW - 17	Manny	12/13/21	3468.68	-	-	50.45	0.00	3,418.23
MW - 17	Manny	03/16/22	3468.68	-	-	50.49	0.00	3,418.19
MW - 17	Manny	05/19/22	3468.68	-	-	50.45	0.00	3,418.23
MW - 17	Manny	09/06/22	3468.68	-	-	50.64	0.00	3,418.04
MW - 17	Manny	12/01/22	3468.68	-	-	49.69	0.00	3,418.99
MW - 17	Manny	02/16/23	3468.68	-	-	50.59	0.00	3,418.09
MW - 17	Manny	05/04/23	3468.68	-	-	50.49	0.00	3,418.19
MW - 17	Manny	09/14/23	3468.68	-	-	50.81	0.00	3,417.87
MW - 17	Manny	12/05/23	3468.68	-	-	50.65	0.00	3,418.03
MW - 17	Manny	03/18/24	3468.68	-	-	50.50	0.00	3,418.18
MW - 17	Manny	06/03/24	3468.68	56.25	-	50.51	0.00	3,418.17
MW - 17	Manny	09/26/24	3468.68	56.24	-	50.78	0.00	3,417.90
MW - 17	Manny	11/05/24	3468.68	56.23	-	50.79	0.00	3,417.89
RW - 1		01/06/03	3465.02	-	-	46.11	0.00	3,418.91
RW - 1		01/07/03	3465.02	-	-	46.14	0.00	3,418.88
RW - 1		01/13/03	3465.02	-	-	46.12	0.00	3,418.90
RW - 1		01/21/03	3465.02	-	-	46.09	0.00	3,418.93
RW - 1		01/27/03	3465.02	-	-	46.08	0.00	3,418.94
RW - 1		02/10/03	3465.02	-	NM	NM	NM	NM
RW - 1		04/03/03	3465.02	-	46.07	46.08	0.01	3,418.95
RW - 1		05/15/03	3465.02	-	-	46.12	0.00	3,418.90
RW - 1		08/26/03	3465.02	-	-	46.29	0.00	3,418.73
RW - 1		11/24/03	3465.02	-	-	46.49	0.00	3,418.53
RW - 1		02/18/04	3465.02	-	-	46.30	0.00	3,418.72
RW - 1		04/15/04	3465.02	-	-	46.75	0.00	3,418.27
RW - 1		04/19/04	3465.02	-	-	46.15	0.00	3,418.87
RW - 1		05/12/04	3465.02	-	-	46.03	0.00	3,418.99
RW - 1		06/22/04	3465.02	-	46.02	46.03	0.01	3,419.00
RW - 1		07/07/04	3465.02	-	46.01	46.02	0.01	3,419.01
RW - 1		07/13/04	3465.02	-	46.01	46.02	0.01	3,419.01
RW - 1		07/21/04	3465.02	-	45.45	45.46	0.01	3,419.57
RW - 1		08/11/04	3465.02	-	-	45.49	0.00	3,419.53
RW - 1		08/17/04	3465.02	-	sheen	45.53	0.00	3,419.49
RW - 1		08/23/04	3465.02	-	-	45.49	0.00	3,419.53
RW - 1		09/13/04	3465.02	-	sheen	45.50	0.00	3,419.52
RW - 1		09/20/04	3465.02	-	-	45.51	0.00	3,419.51
RW - 1		09/29/04	3465.02	-	sheen	45.60	0.00	3,419.42
RW - 1		10/04/04	3465.02	-	sheen	45.57	0.00	3,419.45
RW - 1		10/12/04	3465.02	-	sheen	44.41	0.00	3,420.61
RW - 1		10/19/04	3465.02	-	sheen	44.50	0.00	3,420.52
RW - 1		10/25/04	3465.02	-	sheen	44.54	0.00	3,420.48
RW - 1		11/01/04	3465.02	-	sheen	44.81	0.00	3,420.21
RW - 1		11/09/04	3465.02	-	sheen	44.79	0.00	3,420.23
RW - 1		11/17/04	3465.02	-	sheen	44.91	0.00	3,420.11
RW - 1		11/29/04	3465.02	-	sheen	45.02	0.00	3,420.00
RW - 1		12/07/04	3465.02	-	-	44.95	0.00	3,420.07
RW - 1		12/13/04	3465.02	-	sheen	45.00	0.00	3,420.02
RW - 1		12/20/04	3465.02	-	sheen	44.94	0.00	3,420.08
RW - 1		12/30/04	3465.02	-	sheen	45.04	0.00	3,419.98
RW - 1		01/03/05	3465.02	-	sheen	45.04	0.00	3,419.98
RW - 1		01/10/05	3465.02	-	sheen	44.80	0.00	3,420.22
RW - 1		01/17/05	3465.02	-	sheen	45.07	0.00	3,419.95
RW - 1		01/24/05	3465.02	-	sheen	45.07	0.00	3,419.95
RW - 1		01/31/05	3465.02	-	sheen	45.08	0.00	3,419.94
RW - 1		02/07/05	3465.02	-	sheen	45.06	0.00	3,419.96
RW - 1		02/14/05	3465.02	-	sheen	45.07	0.00	3,419.95
RW - 1		02/21/05	3465.02	-	sheen	45.07	0.00	3,419.95
RW - 1		02/28/05	3465.02	-	sheen	45.10	0.00	3,419.92
RW - 1		03/07/05	3465.02	-	sheen	45.04	0.00	3,419.98
RW - 1		03/09/05	3465.02	-	-	45.04	0.00	3,419.98
RW - 1		03/16/05	3465.02	-	sheen	45.11	0.00	3,419.91
RW - 1		03/21/05	3465.02	-	sheen	45.10	0.00	3,419.92
RW - 1		03/28/05	3465.02	-	sheen	45.09	0.00	3,419.93
RW - 1		04/04/05	3465.02	-	sheen	45.09	0.00	3,419.93
RW - 1		04/13/05	3465.02	-	sheen	45.11	0.00	3,419.91

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

HDO 90 - 23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
RW - 1		04/18/05	3465.02	-	sheen	45.19	0.00	3,419.83
RW - 1		05/23/05	3465.02	-	sheen	45.12	0.00	3,419.90
RW - 1		06/09/05	3465.02	-	-	45.15	0.00	3,419.87
RW - 1		06/21/05	3465.02	-	sheen	45.19	0.00	3,419.83
RW - 1		07/14/05	3465.02	-	sheen	45.20	0.00	3,419.82
RW - 1		07/26/05	3465.02	-	sheen	45.20	0.00	3,419.82
RW - 1		08/09/05	3465.02	-	-	44.85	0.00	3,420.17
RW - 1		08/25/05	3465.02	-	sheen	44.72	0.00	3,420.30
RW - 1		09/01/05	3465.02	-	-	44.77	0.00	3,420.25
RW - 1		09/08/05	3465.02	-	44.83	44.84	0.01	3,420.19
RW - 1		09/13/05	3465.02	-	sheen	44.86	0.00	3,420.16
RW - 1		09/26/05	3465.02	-	sheen	44.97	0.00	3,420.05
RW - 1		10/11/05	3465.02	-	sheen	45.05	0.00	3,419.97
RW - 1		10/25/05	3465.02	-	sheen	45.00	0.00	3,420.02
RW - 1		11/10/05	3465.02	-	-	45.01	0.00	3,420.01
RW - 1		11/14/05	3465.02	-	sheen	45.06	0.00	3,419.96
RW - 1		12/01/05	3465.02	-	-	45.09	0.00	3,419.93
RW - 1		12/28/05	3465.02	-	sheen	45.14	0.00	3,419.88
RW - 1		01/11/06	3465.02	-	sheen	45.14	0.00	3,419.88
RW - 1		01/25/06	3465.02	-	sheen	45.21	0.00	3,419.81
RW - 1		02/08/06	3465.02	-	sheen	45.13	0.00	3,419.89
RW - 1		02/23/06	3465.02	-	sheen	45.15	0.00	3,419.87
RW - 1		03/07/06	3465.02	-	-	45.16	0.00	3,419.86
RW - 1		03/08/06	3465.02	-	sheen	45.13	0.00	3,419.89
RW - 1		03/20/06	3465.02	-	sheen	45.16	0.00	3,419.86
RW - 1		03/30/06	3465.02	-	-	45.08	0.00	3,419.94
RW - 1		05/03/06	3465.02	-	sheen	45.21	0.00	3,419.81
RW - 1		06/01/06	3465.02	-	sheen	45.22	0.00	3,419.80
RW - 1		06/06/06	3465.02	-	-	45.23	0.00	3,419.79
RW - 1		06/14/06	3465.02	-	sheen	45.22	0.00	3,419.80
RW - 1		07/13/06	3465.02	-	sheen	45.52	0.00	3,419.50
RW - 1		07/27/06	3465.02	-	-	15.46	0.00	3,449.56
RW - 1		08/10/06	3465.02	-	sheen	45.27	0.00	3,419.75
RW - 1		09/15/06	3465.02	-	-	45.23	0.00	3,419.79
RW - 1		10/03/06	3465.02	-	sheen	45.25	0.00	3,419.77
RW - 1		11/20/06	3465.02	-	-	45.31	0.00	3,419.71
RW - 1		01/11/07	3465.02	-	sheen	45.37	0.00	3,419.65
RW - 1		02/15/07	3465.02	-	-	45.28	0.00	3,419.74
RW - 1		02/23/07	3465.02	-	-	45.29	0.00	3,419.73
RW - 1		03/08/07	3465.02	-	sheen	45.29	0.00	3,419.73
RW - 1		03/28/07	3465.02	-	sheen	45.26	0.00	3,419.76
RW - 1		04/25/07	3465.02	-	-	45.28	0.00	3,419.74
RW - 1		05/18/07	3465.02	-	-	45.14	0.00	3,419.88
RW - 1		07/12/07	3465.02	-	-	45.21	0.00	3,419.81
RW - 1		08/21/07	3465.02	-	-	45.26	0.00	3,419.76
RW - 1		09/14/07	3465.02	-	new sock			
RW - 1		11/05/07	3465.02	-	-	45.38	0.00	3,419.64
RW - 1		02/08/08	3465.02	-	-	45.38	0.00	3,419.64
RW - 1		05/08/08	3465.02	-	-	45.28	0.00	3,419.74
RW - 1		08/13/08	3465.02	-	-	51.48	0.00	3,413.54
RW - 1		09/30/08	3465.02	-	-	45.57	0.00	3,419.45
RW - 1		10/08/08	3465.02	-	-	45.52	0.00	3,419.50
RW - 1		10/24/08	3465.02	-	-	45.48	0.00	3,419.54
RW - 1		11/06/08	3465.02	-	-	45.49	0.00	3,419.53
RW - 1		12/17/08	3465.02	-	-	45.53	0.00	3,419.49
RW - 1		12/30/08	3465.02	-	-	45.51	0.00	3,419.51
RW - 1		01/07/09	3465.02	-	-	45.51	0.00	3,419.51
RW - 1		01/22/09	3465.02	-	-	44.49	0.00	3,420.53
RW - 1		01/26/09	3465.02	-	-	45.48	0.00	3,419.54
RW - 1		02/05/09	3465.02	-	-	45.53	0.00	3,419.49
RW - 1		02/13/09	3465.02	-	-	45.48	0.00	3,419.54
RW - 1		02/27/09	3465.02	-	-	45.49	0.00	3,419.53
RW - 1		03/03/09	3465.02	-	-	45.55	0.00	3,419.47
RW - 1		03/10/09	3465.02	-	-	45.49	0.00	3,419.53
RW - 1		03/18/09	3465.02	-	-	45.45	0.00	3,419.57
RW - 1		03/27/09	3465.02	-	-	45.41	0.00	3,419.61
RW - 1		04/02/09	3465.02	-	-	45.54	0.00	3,419.48

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

HDO 90 - 23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
RW - 1		04/07/09	3465.02	-	-	45.41	0.00	3,419.61
RW - 1		04/14/09	3465.02	-	-	45.40	0.00	3,419.62
RW - 1		04/28/09	3465.02	-	-	45.43	0.00	3,419.59
RW - 1		05/07/09	3465.02	-	-	45.37	0.00	3,419.65
RW - 1		05/08/09	3465.02	-	-	45.37	0.00	3,419.65
RW - 1		06/16/09	3465.02	-	-	45.39	0.00	3,419.63
RW - 1		06/26/09	3465.02	-	-	45.42	0.00	3,419.60
RW - 1		06/30/09	3465.02	-	-	43.39	0.00	3,421.63
RW - 1		07/07/09	3465.02	-	-	45.41	0.00	3,419.61
RW - 1		07/28/09	3465.02	-	-	45.39	0.00	3,419.63
RW - 1		07/31/09	3465.02	-	-	45.45	0.00	3,419.57
RW - 1		08/05/09	3465.02	-	-	45.44	0.00	3,419.58
RW - 1		08/06/09	3465.02	-	-	45.44	0.00	3,419.58
RW - 1		08/13/09	3465.02	-	-	45.42	0.00	3,419.60
RW - 1		08/25/09	3465.02	-	-	45.59	0.00	3,419.43
RW - 1		09/01/09	3465.02	-	-	45.54	0.00	3,419.48
RW - 1		09/08/09	3465.02	-	-	45.40	0.00	3,419.62
RW - 1		09/15/09	3465.02	-	-	45.42	0.00	3,419.60
RW - 1		09/25/09	3465.02	-	sheen	45.55	0.00	3,419.47
RW - 1		09/28/09	3465.02	-	-	45.64	0.00	3,419.38
RW - 1		10/02/09	3465.02	-	sheen	45.58	0.00	3,419.44
RW - 1		10/05/09	3465.02	-	-	45.60	0.00	3,419.42
RW - 1		10/09/09	3465.02	-	sheen	45.51	0.00	3,419.51
RW - 1		10/12/09	3465.02	-	-	45.60	0.00	3,419.42
RW - 1		10/22/09	3465.02	-	sheen	45.55	0.00	3,419.47
RW - 1		10/29/09	3465.02	-	sheen	45.54	0.00	3,419.48
RW - 1		11/06/09	3465.02	-	sheen	45.55	0.00	3,419.47
RW - 1		11/16/09	3465.02	-	-	45.67	0.00	3,419.35
RW - 1		11/25/09	3465.02	-	-	45.61	0.00	3,419.41
RW - 1		12/11/09	3465.02	-	-	45.55	0.00	3,419.47
RW - 1		12/22/09	3465.02	-	-	45.43	0.00	3,419.59
RW - 1		01/06/10	3465.02	-	-	45.64	0.00	3,419.38
RW - 1		01/20/10	3465.02	-	-	45.49	0.00	3,419.53
RW - 1		02/08/10	3465.02	-	-	45.59	0.00	3,419.43
RW - 1		03/03/10	3465.02	-	-	45.65	0.00	3,419.37
RW - 1		03/16/10	3465.02	-	-	45.55	0.00	3,419.47
RW - 1		03/23/10	3465.02	-	-	45.61	0.00	3,419.41
RW - 1		04/05/10	3465.02	-	-	45.49	0.00	3,419.53
RW - 1		04/15/10	3465.02	-	-	45.61	0.00	3,419.41
RW - 1		05/11/10	3465.02	-	-	45.63	0.00	3,419.39
RW - 1		05/26/10	3465.02	-	-	45.53	0.00	3,419.49
RW - 1		06/08/10	3465.02	-	-	45.53	0.00	3,419.49
RW - 1		06/16/10	3465.02	-	sheen	45.51	0.00	3,419.51
RW - 1		06/25/10	3465.02	-	-	45.56	0.00	3,419.46
RW - 1		07/08/10	3465.02	-	sheen	45.59	0.00	3,419.43
RW - 1		07/13/10	3465.02	-	sheen	45.63	0.00	3,419.39
RW - 1		07/28/10	3465.02	-	sheen	45.43	0.00	3,419.59
RW - 1		08/04/10	3465.02	-	sheen	45.45	0.00	3,419.57
RW - 1		08/10/10	3465.02	-	-	45.69	0.00	3,419.33
RW - 1		08/19/10	3465.02	-	sheen	45.53	0.00	3,419.49
RW - 1		08/27/10	3465.02	-	sheen	45.52	0.00	3,419.50
RW - 1		09/03/10	3465.02	-	-	45.72	0.00	3,419.30
RW - 1		09/09/10	3465.02	-	-	45.70	0.00	3,419.32
RW - 1		09/17/10	3465.02	-	sheen	45.48	0.00	3,419.54
RW - 1		10/01/10	3465.02	-	-	45.71	0.00	3,419.31
RW - 1		10/06/10	3465.02	-	-	45.70	0.00	3,419.32
RW - 1		10/13/10	3465.02	-	sheen	45.60	0.00	3,419.42
RW - 1		10/26/10	3465.02	-	-	45.70	0.00	3,419.32
RW - 1		11/05/10	3465.02	-	sheen	45.62	0.00	3,419.40
RW - 1		11/09/10	3465.02	-	-	45.70	0.00	3,419.32
RW - 1		11/12/10	3465.02	-	sheen	45.59	0.00	3,419.43
RW - 1		12/10/10	3465.02	-	sheen	45.56	0.00	3,419.46
RW - 1		12/13/10	3465.02	-	-	45.70	0.00	3,419.32
RW - 1		01/27/11	3465.02	-	-	45.70	0.00	3,419.32
RW - 1		02/15/11	3465.02	-	-	45.73	0.00	3,419.29
RW - 1		05/05/11	3465.02	-	-	45.72	0.00	3,419.30
RW - 1		05/12/11	3465.02	-	-	45.65	0.00	3,419.37

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

HDO 90 - 23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
RW - 1		05/16/11	3465.02	-	-	45.67	0.00	3,419.35
RW - 1		05/26/11	3465.02	-	-	45.53	0.00	3,419.49
RW - 1		06/09/11	3465.02	-	-	45.62	0.00	3,419.40
RW - 1		06/29/11	3465.02	-	-	45.65	0.00	3,419.37
RW - 1		07/05/11	3465.02	-	-	45.66	0.00	3,419.36
RW - 1		07/15/11	3465.02	-	-	45.47	0.00	3,419.55
RW - 1		07/22/11	3465.02	-	-	45.50	0.00	3,419.52
RW - 1		07/28/11	3465.02	-	-	45.51	0.00	3,419.51
RW - 1		08/04/11	3465.02	-	-	45.74	0.00	3,419.28
RW - 1		08/11/11	3465.02	-	-	45.70	0.00	3,419.32
RW - 1		08/24/11	3465.02	-	-	45.75	0.00	3,419.27
RW - 1		09/02/11	3465.02	-	-	45.83	0.00	3,419.19
RW - 1		09/09/11	3465.02	-	-	46.01	0.00	3,419.01
RW - 1		09/23/11	3465.02	-	-	46.37	0.00	3,418.65
RW - 1		11/21/11	3465.02	-	-	45.90	0.00	3,419.12
RW - 1		11/28/11	3465.02	-	-	45.92	0.00	3,419.10
RW - 1		12/09/11	3465.02	-	-	45.93	0.00	3,419.09
RW - 1		12/21/11	3465.02	-	-	45.85	0.00	3,419.17
RW - 1		01/26/12	3465.02	-	-	45.81	0.00	3,419.21
RW - 1		02/02/12	3465.02	-	-	45.75	0.00	3,419.27
RW - 1		02/07/12	3465.02	-	-	45.80	0.00	3,419.22
RW - 1		02/13/12	3465.02	-	-	45.76	0.00	3,419.26
RW - 1		03/07/12	3465.02	-	-	45.76	0.00	3,419.26
RW - 1		03/23/12	3465.02	-	-	45.69	0.00	3,419.33
RW - 1		03/30/12	3465.02	-	-	45.80	0.00	3,419.22
RW - 1		04/05/12	3465.02	-	-	45.70	0.00	3,419.32
RW - 1		04/13/12	3465.02	-	-	45.72	0.00	3,419.30
RW - 1		04/26/12	3465.02	-	-	45.82	0.00	3,419.20
RW - 1		05/03/12	3465.02	-	-	46.02	0.00	3,419.00
RW - 1		05/07/12	3465.02	-	-	45.73	0.00	3,419.29
RW - 1		05/29/12	3465.02	-	-	45.63	0.00	3,419.39
RW - 1		06/08/12	3465.02	-	-	45.70	0.00	3,419.32
RW - 1		06/15/12	3465.02	-	-	45.72	0.00	3,419.30
RW - 1		06/22/12	3465.02	-	-	45.70	0.00	3,419.32
RW - 1		06/29/12	3465.02	-	-	45.74	0.00	3,419.28
RW - 1		07/03/12	3465.02	-	-	45.75	0.00	3,419.27
RW - 1		08/10/12	3465.02	-	-	45.80	0.00	3,419.22
RW - 1		08/16/12	3465.02	-	-	45.85	0.00	3,419.17
RW - 1		09/12/12	3465.02	-	-	45.88	0.00	3,419.14
RW - 1		10/17/12	3465.02	-	-	45.79	0.00	3,419.23
RW - 1		10/12/12	3465.02	-	-	45.97	0.00	3,419.05
RW - 1		10/24/12	3465.02	-	-	45.79	0.00	3,419.23
RW - 1		11/06/12	3465.02	-	-	45.75	0.00	3,419.27
RW - 1		12/14/12	3465.02	-	-	45.73	0.00	3,419.29
RW - 1		12/21/12	3465.02	-	-	45.78	0.00	3,419.24
RW - 1		02/06/13	3465.02	-	-	45.70	0.00	3,419.32
RW - 1		02/20/13	3465.02	-	-	45.67	0.00	3,419.35
RW - 1		03/29/13	3465.02	-	-	45.70	0.00	3,419.32
RW - 1		04/03/13	3465.02	-	-	45.70	0.00	3,419.32
RW - 1		04/09/13	3465.02	-	-	45.96	0.00	3,419.06
RW - 1		04/19/13	3465.02	-	-	45.72	0.00	3,419.30
RW - 1		04/24/13	3465.02	-	-	45.70	0.00	3,419.32
RW - 1		05/02/13	3465.02	-	-	45.70	0.00	3,419.32
RW - 1		05/08/13	3465.02	-	-	45.68	0.00	3,419.34
RW - 1		05/10/13	3465.02	-	-	45.71	0.00	3,419.31
RW - 1		05/17/13	3465.02	-	-	45.69	0.00	3,419.33
RW - 1		05/22/13	3465.02	-	-	45.69	0.00	3,419.33
RW - 1		05/30/13	3465.02	-	-	45.68	0.00	3,419.34
RW - 1		06/05/13	3465.02	-	-	45.69	0.00	3,419.33
RW - 1		06/12/13	3465.02	-	-	45.70	0.00	3,419.32
RW - 1		06/18/13	3465.02	-	-	45.70	0.00	3,419.32
RW - 1		06/25/13	3465.02	-	-	45.70	0.00	3,419.32
RW - 1		07/02/13	3465.02	-	-	45.75	0.00	3,419.27
RW - 1		07/09/13	3465.02	-	-	45.74	0.00	3,419.28
RW - 1		07/26/13	3465.02	-	-	45.77	0.00	3,419.25
RW - 1		07/29/13	3465.02	-	-	45.77	0.00	3,419.25
RW - 1		08/01/13	3465.02	-	-	45.76	0.00	3,419.26

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

HDO 90 - 23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
RW - 1		08/06/13	3465.02	-	-	45.78	0.00	3,419.24
RW - 1		08/15/13	3465.02	-	-	45.77	0.00	3,419.25
RW - 1		08/20/13	3465.02	-	-	45.81	0.00	3,419.21
RW - 1		09/12/13	3465.02	-	-	45.84	0.00	3,419.18
RW - 1		09/19/13	3465.02	-	-	45.85	0.00	3,419.17
RW - 1		09/25/13	3465.02	-	-	45.80	0.00	3,419.22
RW - 1		10/01/13	3465.02	-	-	45.86	0.00	3,419.16
RW - 1		10/09/13	3465.02	-	-	45.84	0.00	3,419.18
RW - 1		10/24/13	3465.02	-	-	45.74	0.00	3,419.28
RW - 1		10/29/13	3465.02	-	-	45.75	0.00	3,419.27
RW - 1		11/04/13	3465.02	-	-	45.75	0.00	3,419.27
RW - 1		11/05/13	3465.02	-	-	45.72	0.00	3,419.30
RW - 1		12/02/13	3465.02	-	-	45.77	0.00	3,419.25
RW - 1		12/10/13	3465.02	-	-	45.78	0.00	3,419.24
RW - 1		12/17/13	3465.02	-	-	45.79	0.00	3,419.23
RW - 1		12/23/13	3465.02	-	-	45.80	0.00	3,419.22
RW - 1		01/01/14	3465.02	-	-	45.75	0.00	3,419.27
RW - 1		01/07/14	3465.02	-	-	45.75	0.00	3,419.27
RW - 1		01/16/14	3465.02	-	-	45.78	0.00	3,419.24
RW - 1	David Fletcher	01/23/14	3465.02	-	-	45.78	0.00	3,419.24
RW - 1	John F	01/28/14	3465.02	-	-	45.80	0.00	3,419.22
RW - 1	john	02/11/14	3465.02	-	-	45.78	0.00	3,419.24
RW - 1	John & Jose	02/26/14	3465.02	-	-	45.72	0.00	3,419.30
RW - 1	David F.	03/21/14	3465.02	-	-	45.73	0.00	3,419.29
RW - 1	David & Manny	03/29/14	3465.02	-	-	45.71	0.00	3,419.31
RW - 1	David & Jose	04/10/14	3465.02	-	-	45.72	0.00	3,419.30
RW - 1	David & Jose	04/17/14	3465.02	-	-	45.76	0.00	3,419.26
RW - 1	David & Jose	04/17/14	3465.02	-	-	47.01	0.00	3,418.01
RW - 1	Manny & Justin	04/24/14	3465.02	-	-	45.74	0.00	3,419.28
RW - 1	David	05/01/14	3465.02	-	-	45.74	0.00	3,419.28
RW - 1	Jose	05/06/14	3465.02	-	-	45.72	0.00	3,419.30
RW - 1	David	05/12/14	3465.02	-	-	45.74	0.00	3,419.28
RW - 1	Baer	05/23/14	3465.02	-	-	45.75	0.00	3,419.27
RW - 1	Manny	05/27/14	3465.02	-	-	45.75	0.00	3,419.27
RW - 1	David/Jose	06/05/14	3465.02	-	-	45.76	0.00	3,419.26
RW - 1	Manny	06/18/14	3465.02	-	-	45.82	0.00	3,419.20
RW - 1	Manny	06/26/14	3465.02	-	-	45.84	0.00	3,419.18
RW - 1	David	07/01/14	3465.02	-	-	45.86	0.00	3,419.16
RW - 1	Manny/Chance	07/08/14	3465.02	-	-	45.87	0.00	3,419.15
RW - 1	Manny	07/17/14	3465.02	-	-	45.90	0.00	3,419.12
RW - 1	David	07/23/14	3465.02	-	-	45.90	0.00	3,419.12
RW - 1	Manny	08/06/14	3465.02	-	-	45.91	0.00	3,419.11
RW - 1	David F.	08/11/14	3465.02	-	-	45.91	0.00	3,419.11
RW - 1	David F.	08/21/14	3465.02	-	-	45.92	0.00	3,419.10
RW - 1	David F.	09/04/14	3465.02	-	-	45.95	0.00	3,419.07
RW - 1	Manny	10/02/14	3465.02	-	-	45.17	0.00	3,419.85
RW - 1	Manny	10/08/14	3465.02	-	-	45.23	0.00	3,419.79
RW - 1	Manny	10/15/14	3465.02	-	-	45.34	0.00	3,419.68
RW - 1	Manny	10/23/14	3465.02	-	-	45.38	0.00	3,419.64
RW - 1	Manny	10/28/14	3465.02	-	-	45.39	0.00	3,419.63
RW - 1	Chance	10/29/14	3465.02	-	-	45.12	0.00	3,419.90
RW - 1	Manny	11/07/14	3465.02	-	-	45.40	0.00	3,419.62
RW - 1	Manny	11/15/14	3465.02	-	-	45.38	0.00	3,419.64
RW - 1	Chance	12/11/14	3465.02	-	-	47.48	0.00	3,417.54
RW - 1	Manny	12/18/14	3465.02	-	-	45.41	0.00	3,419.61
RW - 1	Carlos	12/30/14	3465.02	-	-	-	-	-
RW - 1	Carlos	01/07/15	3465.02	-	-	45.46	0.00	3,419.56
RW - 1	Carlos	01/15/15	3465.02	-	-	45.42	0.00	3,419.60
RW - 1	Carlos	01/28/15	3465.02	-	-	45.40	0.00	3,419.62
RW - 1	Carlos	02/04/15	3465.02	-	-	45.39	0.00	3,419.63
RW - 1	Carlos	02/13/15	3465.02	-	-	45.43	0.00	3,419.59
RW - 1	Carlos	02/17/15	3465.02	-	-	45.45	0.00	3,419.57
RW - 1	Manny	02/18/15	3465.02	-	-	45.40	0.00	3,419.62
RW - 1	Carlos	02/24/15	3465.02	-	-	45.41	0.00	3,419.61
RW - 1	Carlos/Matt	03/10/15	3465.02	-	-	45.83	0.00	3,419.19
RW - 1	Carlos	03/17/15	3465.02	-	-	45.43	0.00	3,419.59
RW - 1	Manny/Art	03/19/15	3465.02	-	-	45.41	0.00	3,419.61

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

HDO 90 - 23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
RW -1	Carlos	03/25/15	3465.02	-	-	45.43	0.00	3,419.59
RW -1	Carlos/Matt	04/07/15	3465.02	-	-	45.43	0.00	3,419.59
RW -1	Carlos/Matt	04/14/15	3465.02	-	-	45.44	0.00	3,419.58
RW -1	Manny/Art	04/16/15	3465.02	-	-	45.42	0.00	3,419.60
RW -1	Carlos/Matt	04/21/15	3465.02	-	-	45.44	0.00	3,419.58
RW -1	Carlos	05/06/15	3465.02	-	-	45.42	0.00	3,419.60
RW -1	Carlos	05/20/15	3465.02	-	-	45.45	0.00	3,419.57
RW -1	Manny/Art	05/28/15	3465.02	-	-	45.42	0.00	3,419.60
RW -1	Arthur/ Chance	06/02/15	3465.02	-	-	-	0.00	3,465.02
RW -1	Carlos	06/09/15	3465.02	-	-	45.46	0.00	3,419.56
RW -1	Carlos	06/18/15	3465.02	-	-	45.45	0.00	3,419.57
RW -1	Arthur/Carlos	07/03/15	3465.02	-	-	-	-	-
RW -1	Carlos	07/06/15	3465.02	-	-	45.53	0.00	3,419.49
RW -1	Carlos	07/17/15	3465.02	-	-	45.55	0.00	3,419.47
RW -1	Carlos/Matt	07/21/15	3465.02	-	-	45.58	0.00	3,419.44
RW -1	Carlos	07/28/15	3465.02	-	-	45.60	0.00	3,419.42
RW -1	Carlos	08/05/15	3465.02	-	-	45.61	0.00	3,419.41
RW -1	Carlos	08/11/15	3465.02	-	-	45.65	0.00	3,419.37
RW -1	Carlos	08/12/15	3465.02	-	-	45.53	0.00	3,419.49
RW -1	Manny/Matt	08/20/15	3465.02	-	-	45.69	0.00	3,419.33
RW -1	Manny	08/21/15	3465.02	-	-	45.69	0.00	3,419.33
RW -1	Manny/Mark	08/27/15	3465.02	-	-	45.71	0.00	3,419.31
RW -1	Manny	09/01/15	3465.02	-	-	45.70	0.00	3,419.32
RW -1	Manny	09/09/15	3465.02	-	-	45.68	0.00	3,419.34
RW -1	Carlos	09/11/15	3465.02	-	-	45.68	0.00	3,419.34
RW -1	Carlos	09/17/15	3465.02	-	-	45.70	0.00	3,419.32
RW -1	Manny	09/25/15	3465.02	-	-	45.71	0.00	3,419.31
RW -1	Arthur/ Carlos	09/30/15	3465.02	-	-	45.70	0.00	3,419.32
RW -1	Carlos	10/07/15	3465.02	-	-	45.72	0.00	3,419.30
RW -1	Carlos	10/13/15	3465.02	-	-	45.70	0.00	3,419.32
RW -1	Carlos	10/15/15	3465.02	-	-	45.65	0.00	3,419.37
RW -1	Carlos	10/26/15	3465.02	-	-	45.67	0.00	3,419.35
RW -1	Manny	11/05/15	3465.02	-	-	45.59	0.00	3,419.43
RW -1	Carlos	11/09/15	3465.02	-	-	45.61	0.00	3,419.41
RW -1	Manny	11/30/15	3465.02	-	-	45.58	0.00	3,419.44
RW -1	Carlos	12/01/15	3465.02	-	-	45.58	0.00	3,419.44
RW -1	Manny	12/09/15	3465.02	-	-	45.57	0.00	3,419.45
RW -1	Carlos	12/11/15	3465.02	-	-	45.56	0.00	3,419.46
RW -1	Carlos	12/15/15	3465.02	-	-	45.55	0.00	3,419.47
RW -1	Manny	12/24/15	3465.02	-	-	45.58	0.00	3,419.44
RW -1	Carlos	01/06/16	3465.02	-	-	45.58	0.00	3,419.44
RW -1	Carlos	01/15/16	3465.02	-	-	45.60	0.00	3,419.42
RW -1	Carlos	01/19/16	3465.02	-	-	45.56	0.00	3,419.46
RW -1	Carlos	01/28/16	3465.02	-	-	45.56	0.00	3,419.46
RW -1	Carlos	02/03/16	3465.02	-	-	45.53	0.00	3,419.49
RW -1	Carlos	02/11/16	3465.02	-	-	45.58	0.00	3,419.44
RW -1	Manny	02/19/16	3465.02	-	-	45.58	0.00	3,419.44
RW -1	Carlos	02/23/15	3465.02	-	-	45.57	0.00	3,419.45
RW -1	Manny	02/25/16	3465.02	-	-	45.57	0.00	3,419.45
RW -1	Manny	03/01/16	3465.02	-	-	45.58	0.00	3,419.44
RW -1	Carlos	03/08/16	3465.02	-	-	45.55	0.00	3,419.47
RW -1	Carlos	03/16/16	3465.02	-	-	45.55	0.00	3,419.47
RW -1	Manny	03/17/16	3465.02	-	-	45.56	0.00	3,419.46
RW -1	Manny	03/24/16	3465.02	-	-	45.55	0.00	3,419.47
RW -1	Carlos	03/29/16	3465.02	-	-	45.56	0.00	3,419.46
RW -1	Carlos	04/05/16	3465.02	-	-	45.55	0.00	3,419.47
RW -1	Carlos	04/13/16	3465.02	-	-	45.53	0.00	3,419.49
RW -1	Manny	04/18/16	3465.02	-	-	45.57	0.00	3,419.45
RW -1	Carlos	04/25/16	3465.02	-	-	45.54	0.00	3,419.48
RW -1	Manyy	05/03/16	3465.02	-	-	45.56	0.00	3,419.46
RW -1	Mark	05/12/16	3465.02	-	-	45.57	0.00	3,419.45
RW -1	Manny	05/27/16	3465.02	-	-	45.59	0.00	3,419.43
RW -1	Manny	06/02/16	3465.02	-	-	45.59	0.00	3,419.43
RW -1	Carlos	06/06/16	3465.02	-	-	45.62	0.00	3,419.40
RW -1	Manny	06/29/16	3465.02	-	-	-	-	-
RW -1	Carlos	06/30/16	3465.02	-	-	45.70	0.00	3,419.32
RW -1	Carlos	07/05/16	3465.02	-	-	45.70	0.00	3,419.32

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

HDO 90 - 23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
RW -1	Manny	07/14/16	3465.02	-	-	45.73	0.00	3,419.29
RW -1	Manny	07/19/16	3465.02	-	-	45.75	0.00	3,419.27
RW -1	Manny	07/26/16	3465.02	-	-	45.78	0.00	3,419.24
RW -1	Carlos	08/03/16	3465.02	-	-	45.80	0.00	3,419.22
RW -1	Carlos	08/10/16	3465.02	-	-	45.81	0.00	3,419.21
RW -1	Carlos	08/15/16	3465.02	-	-	45.80	0.00	3,419.22
RW -1	Manny	08/23/16	3465.02	-	-	45.74	0.00	3,419.28
RW -1	Manny	09/12/16	3465.02	-	-	45.51	0.00	3,419.51
RW -1	Manny	10/07/16	3465.02	-	-	45.36	0.00	3,419.66
RW -1	Manny	10/12/16	3465.02	-	-	45.37	0.00	3,419.65
RW -1	Manny	10/19/16	3465.02	-	-	45.43	0.00	3,419.59
RW -1	Manny	10/28/16	3465.02	-	-	45.44	0.00	3,419.58
RW -1	Carlos	11/03/16	3465.02	-	-	45.47	0.00	3,419.55
RW -1	Carlos	11/11/16	3465.02	-	-	45.47	0.00	3,419.55
RW -1	Carlos	11/15/16	3465.02	-	-	45.42	0.00	3,419.60
RW -1	Carlos	12/02/16	3465.02	-	-	45.43	0.00	3,419.59
RW -1	Carlos	12/06/16	3465.02	-	-	45.50	0.00	3,419.52
RW -1	Carlos	12/13/16	3465.02	-	-	45.50	0.00	3,419.52
RW -1	Carlos	12/21/16	3465.02	-	-	45.50	0.00	3,419.52
RW -1	Carlos	12/28/16	3465.02	-	-	45.50	0.00	3,419.52
RW -1	Carlos	01/03/17	3465.02	-	-	45.50	0.00	3,419.52
RW -1	Carlos	01/09/17	3465.02	-	-	45.52	0.00	3,419.50
RW -1	Carlos	01/17/17	3465.02	-	-	45.48	0.00	3,419.54
RW -1	Carlos	01/25/17	3465.02	-	-	45.54	0.00	3,419.48
RW -1	Carlos	02/01/17	3465.02	-	-	45.50	0.00	3,419.52
RW -1	Manny	02/07/17	3465.02	-	-	45.49	0.00	3,419.53
RW -1	Manny	02/16/17	3465.02	-	-	45.48	0.00	3,419.54
RW -1	Manny	02/23/17	3465.02	-	-	45.45	0.00	3,419.57
RW -1	Manny	03/03/17	3465.02	-	-	45.50	0.00	3,419.52
RW -1	Carlos	03/07/17	3465.02	-	-	45.51	0.00	3,419.51
RW -1	Carlos	03/14/17	3465.02	-	-	45.50	0.00	3,419.52
RW -1	Manny	03/24/17	3465.02	-	-	45.48	0.00	3,419.54
RW -1	Carlos	03/30/17	3465.02	-	-	45.46	0.00	3,419.56
RW -1	Carlos	04/04/17	3465.02	-	-	45.49	0.00	3,419.53
RW -1	Manny	04/11/17	3465.02	-	-	45.47	0.00	3,419.55
RW -1	Manny	04/21/17	3465.02	-	-	45.49	0.00	3,419.53
RW -1	Jeremy	04/27/17	3465.02	-	-	45.46	0.00	3,419.56
RW -1	Manny	05/04/17	3465.02	-	-	45.51	0.00	3,419.51
RW -1	Jeremy	05/09/17	3465.02	-	-	45.52	0.00	3,419.50
RW -1	Jeremy	05/25/17	3465.02	-	-	45.49	0.00	3,419.53
RW -1	Jeremy	06/02/17	3465.02	-	-	45.52	0.00	3,419.50
RW -1	Jeremy	06/07/17	3465.02	-	-	45.51	0.00	3,419.51
RW -1	Jeremy	06/13/17	3465.02	-	-	46.54	0.00	3,418.48
RW -1	Jeremy	06/20/17	3465.02	-	-	45.93	0.00	3,419.09
RW -1	Jeremy	07/06/17	3465.02	-	-	45.89	0.00	3,419.13
RW -1	Jeremy	07/13/17	3465.02	-	-	45.61	0.00	3,419.41
RW -1	Jeremy	07/18/17	3465.02	-	-	45.63	0.00	3,419.39
RW -1	Jeremy	08/10/17	3465.02	-	-	45.69	0.00	3,419.33
RW -1	Manny	08/18/17	3465.02	-	-	45.70	0.00	3,419.32
RW -1	Jeremy	08/23/17	3465.02	-	-	45.70	0.00	3,419.32
RW -1	Jeremy	09/01/17	3465.02	-	-	45.69	0.00	3,419.33
RW -1	Manny	09/07/17	3465.02	-	-	45.74	0.00	3,419.28
RW -1	Manny	09/14/17	3465.02	-	-	45.72	0.00	3,419.30
RW -1	Manny	09/21/17	3465.02	-	-	45.75	0.00	3,419.27
RW -1	Jeremy	10/26/17	3465.02	-	-	45.74	0.00	3,419.28
RW -1	Jeremy	10/31/17	3465.02	-	-	45.72	0.00	3,419.30
RW -1	Jeremy	11/17/17	3465.02	-	-	45.73	0.00	3,419.29
RW -1	Jeremy	11/29/17	3465.02	-	-	45.76	0.00	3,419.26
RW -1	Jeremy	12/08/17	3465.02	-	-	45.78	0.00	3,419.24
RW -1	Manny	12/15/17	3465.02	-	-	45.80	0.00	3,419.22
RW -1	Manny	12/21/17	3465.02	-	-	45.75	0.00	3,419.27
RW -1	Jeremy	12/26/17	3465.02	-	-	45.81	0.00	3,419.21
RW -1	Jeremy	01/04/18	3465.02	-	-	45.79	0.00	3,419.23
RW -1	Jeremy	01/15/18	3465.02	-	-	45.79	0.00	3,419.23
RW -1	Jeremy	01/26/18	3465.02	-	-	45.81	0.00	3,419.21
RW -1	Jeremy	02/02/18	3465.02	-	-	45.80	0.00	3,419.22
RW -1	Jeremy	02/09/18	3465.02	-	-	45.79	0.00	3,419.23

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

HDO 90 - 23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
RW -1	Jeremy	02/16/18	3465.02	-	-	45.84	0.00	3,419.18
RW -1	Manny	02/23/18	3465.02	-	-	45.81	0.00	3,419.21
RW -1	Manny	02/28/18	3465.02	-	-	45.79	0.00	3,419.23
RW -1	Jeremy	03/05/18	3465.02	-	-	45.84	0.00	3,419.18
RW -1	Manny	03/16/18	3465.02	-	-	45.81	0.00	3,419.21
RW -1	Manny	03/28/18	3465.02	-	-	45.82	0.00	3,419.20
RW -1	Manny	04/06/18	3465.02	-	-	45.83	0.00	3,419.19
RW -1	Manny	04/18/18	3465.02	-	-	45.87	0.00	3,419.15
RW -1	Manny	05/04/18	3465.02	-	-	45.87	0.00	3,419.15
RW -1	Manny	05/10/18	3465.02	-	-	45.89	0.00	3,419.13
RW -1	Manny	05/18/18	3465.02	-	-	45.88	0.00	3,419.14
RW -1	Jeremy	05/24/18	3465.02	-	-	45.88	0.00	3,419.14
RW -1	Jeremy	06/14/18	3465.02	-	-	45.93	0.00	3,419.09
RW -1	Jeremy	06/22/18	3465.02	-	-	45.92	0.00	3,419.10
RW -1	Jeremy	06/28/18	3465.02	-	-	45.96	0.00	3,419.06
RW -1	Jeremy	07/03/18	3465.02	-	-	45.95	0.00	3,419.07
RW -1	Jeremy	07/12/18	3465.02	-	-	45.97	0.00	3,419.05
RW -1	Jeremy	08/21/18	3465.02	-	-	46.06	0.00	3,418.96
RW -1	Jeremy	09/13/18	3465.02	-	-	46.10	0.00	3,418.92
RW -1	Jeremy	10/10/18	3465.02	-	-	46.10	0.00	3,418.92
RW -1	Manny/Elias	11/19/18	3465.02	-	-	46.12	0.00	3,418.90
RW -1	Manny/Elias	12/05/18	3465.02	-	-	46.07	0.00	3,418.95
RW -1	Manny/Elias	12/17/18	3465.02	-	-	46.05	0.00	3,418.97
RW -1	Jeremy	12/31/18	3465.02	-	-	46.10	0.00	3,418.92
RW -1	Jeremy	01/18/19	3465.02	-	-	46.06	0.00	3,418.96
RW -1	Jeremy	02/25/19	3465.02	-	-	46.04	0.00	3,418.98
RW -1	Jeremy	03/08/19	3465.02	-	-	46.05	0.00	3,418.97
RW -1	Jeremy	04/03/19	3465.02	-	-	45.99	0.00	3,419.03
RW -1	Jeremy	05/15/19	3465.02	-	-	45.93	0.00	3,419.09
RW -1	Manny	05/21/19	3465.02	-	-	45.93	0.00	3,419.09
RW -1	Manny	07/02/19	3465.02	-	-	45.96	0.00	3,419.06
RW -1	Manny	07/30/19	3465.02	-	-	46.04	0.00	3,418.98
RW -1	Manny	08/21/19	3465.02	-	-	46.08	0.00	3,418.94
RW -1	Elias	12/10/19	3465.02	-	-	45.87	0.00	3,419.15
RW -1	Elias	01/21/20	3465.02	-	-	45.86	0.00	3,419.16
RW -1	Elias	02/25/20	3465.02	-	-	45.86	0.00	3,419.16
RW -1	Manny	06/03/20	3465.02	-	-	45.83	0.00	3,419.19
RW -1	Manny	09/21/20	3465.02	-	-	46.12	0.00	3,418.90
RW -1	Manny	11/13/20	3465.02	-	-	46.13	0.00	3,418.89
RW -1	Manny	03/26/21	3465.02	-	-	46.09	0.00	3,418.93
RW -1	Manny	05/13/21	3465.02	-	-	46.06	0.00	3,418.96
RW -1	Manny	08/12/21	3465.02	-	-	46.17	0.00	3,418.85
RW -1	Manny	09/08/21	3465.02	-	-	46.21	0.00	3,418.81
RW -1	Manny	10/21/21	3465.02	-	-	46.27	0.00	3,418.75
RW -1	Manny	12/08/21	3465.02	-	-	46.32	0.00	3,418.70
RW -1	Manny	12/13/21	3465.02	-	-	46.30	0.00	3,418.72
RW -1	Manny	03/16/22	3465.02	-	-	46.32	0.00	3,418.70
RW -1	Manny	05/19/22	3465.02	-	-	46.33	0.00	3,418.69
RW -1	Manny	09/06/22	3465.02	-	-	46.46	0.00	3,418.56
RW -1	Manny	12/02/22	3465.02	-	-	46.47	0.00	3,418.55
RW -1	Manny	02/15/23	3465.02	-	-	46.42	0.00	3,418.60
RW -1	Manny	05/04/23	3465.02	-	-	46.36	0.00	3,418.66
RW -1	Manny	09/14/23	3465.02	-	-	46.60	0.00	3,418.42
RW -1	Manny	12/04/23	3465.02	-	-	46.48	0.00	3,418.54
RW -1	Manny	03/18/24	3465.02	-	-	46.36	0.00	3,418.66
RW -1	Manny	06/03/24	3465.02	50.06	-	46.34	0.00	3,418.68
RW -1	Manny	09/26/24	3465.02	50.13	-	46.63	0.00	3,418.39
RW -1	Manny	11/05/24	3465.02	50.05	-	46.65	0.00	3,418.37
RW - 2		01/06/03	3465.21	-	-	46.25	0.00	3,418.96
RW - 2		01/07/03	3465.21	-	-	46.67	0.00	3,418.54
RW - 2		01/13/03	3465.21	-	-	46.21	0.00	3,419.00
RW - 2		01/21/03	3465.21	-	-	46.21	0.00	3,419.00
RW - 2		01/27/03	3465.21	-	-	46.20	0.00	3,419.01
RW - 2		02/10/03	3465.21	-	NM	NM	NM	NM
RW - 2		04/03/03	3465.21	-	-	46.17	0.00	3,419.04
RW - 2		05/15/03	3465.21	-	-	46.24	0.00	3,418.97

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

HDO 90 - 23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
RW - 2		08/26/03	3465.21	-	-	46.40	0.00	3,418.81
RW - 2		11/24/03	3465.21	-	-	46.57	0.00	3,418.64
RW - 2		02/18/04	3465.21	-	-	46.42	0.00	3418.79
RW - 2		04/15/04	3465.21	-	-	46.87	0.00	3418.34
RW - 2		04/19/04	3465.21	-	-	46.27	0.00	3418.94
RW - 2		05/12/04	3465.21	-	-	46.26	0.00	3418.95
RW - 2		06/22/04	3465.21	-	46.13	46.14	0.01	3419.08
RW - 2		07/07/04	3465.21	-	46.12	46.13	0.01	3419.09
RW - 2		07/13/04	3465.21	-	46.12	46.13	0.01	3419.09
RW - 2		07/21/04	3465.21	-	45.60	45.61	0.01	3419.61
RW - 2		08/11/04	3465.21	-	-	45.62	0.00	3419.59
RW - 2		08/17/04	3465.21	-	sheen	45.66	0.00	3419.55
RW - 2		08/23/04	3465.21	-	-	45.59	0.00	3419.62
RW - 2		09/13/04	3465.21	-	sheen	45.65	0.00	3419.56
RW - 2		09/20/04	3465.21	-	-	45.60	0.00	3419.61
RW - 2		09/29/04	3465.21	-	sheen	45.70	0.00	3419.51
RW - 2		10/04/04	3465.21	-	sheen	45.63	0.00	3419.58
RW - 2		10/12/04	3465.21	-	-	44.67	0.00	3420.54
RW - 2		10/19/04	3465.21	-	sheen	44.76	0.00	3420.45
RW - 2		10/25/04	3465.21	-	sheen	44.79	0.00	3420.42
RW - 2		11/01/04	3465.21	-	sheen	45.20	0.00	3420.01
RW - 2		11/09/04	3465.21	-	sheen	44.91	0.00	3420.3
RW - 2		11/17/04	3465.21	-	sheen	45.02	0.00	3420.19
RW - 2		11/29/04	3465.21	-	sheen	45.12	0.00	3420.09
RW - 2		12/07/04	3465.21	-	-	45.02	0.00	3420.19
RW - 2		12/13/04	3465.21	-	sheen	45.15	0.00	3420.06
RW - 2		12/20/04	3465.21	-	sheen	45.09	0.00	3420.12
RW - 2		12/30/04	3465.21	-	sheen	45.12	0.00	3420.09
RW - 2		01/03/05	3465.21	-	sheen	45.15	0.00	3420.06
RW - 2		01/10/05	3465.21	-	sheen	44.96	0.00	3420.25
RW - 2		01/17/05	3465.21	-	sheen	45.18	0.00	3420.03
RW - 2		01/24/05	3465.21	-	sheen	45.19	0.00	3420.02
RW - 2		01/31/05	3465.21	-	sheen	45.21	0.00	3420.00
RW - 2		02/07/05	3465.21	-	sheen	45.18	0.00	3420.03
RW - 2		02/14/05	3465.21	-	sheen	45.19	0.00	3420.02
RW - 2		02/21/05	3465.21	-	sheen	45.19	0.00	3420.02
RW - 2		02/28/05	3465.21	-	sheen	45.23	0.00	3419.98
RW - 2		03/07/05	3465.21	-	sheen	45.14	0.00	3420.07
RW - 2		03/09/05	3465.21	-	-	45.14	0.00	3420.07
RW - 2		03/16/05	3465.21	-	sheen	45.21	0.00	3420.00
RW - 2		03/21/05	3465.21	-	sheen	45.20	0.00	3420.01
RW - 2		03/28/05	3465.21	-	sheen	45.20	0.00	3420.01
RW - 2		04/04/05	3465.21	-	sheen	45.21	0.00	3420.00
RW - 2		04/13/05	3465.21	-	sheen	45.22	0.00	3419.99
RW - 2		04/18/05	3465.21	-	sheen	45.07	0.00	3420.14
RW - 2		05/23/05	3465.21	-	sheen	45.23	0.00	3419.98
RW - 2		06/09/05	3465.21	-	-	45.21	0.00	3420.00
RW - 2		06/21/05	3465.21	-	sheen	45.24	0.00	3419.97
RW - 2		07/14/05	3465.21	-	sheen	45.29	0.00	3419.92
RW - 2		07/26/05	3465.21	-	sheen	45.32	0.00	3419.89
RW - 2		08/09/05	3465.21	-	-	45.03	0.00	3420.18
RW - 2		08/25/05	3465.21	-	sheen	44.87	0.00	3420.34
RW - 2		09/01/05	3465.21	-	-	44.90	0.00	3420.31
RW - 2		09/08/05	3465.21	-	44.97	44.98	0.01	3420.24
RW - 2		09/13/05	3465.21	-	sheen	45.01	0.00	3420.20
RW - 2		09/26/05	3465.21	-	sheen	45.11	0.00	3420.10
RW - 2		10/11/05	3465.21	-	sheen	45.15	0.00	3420.06
RW - 2		10/25/05	3465.21	-	sheen	45.13	0.00	3420.08
RW - 2		11/14/05	3465.21	-	sheen	45.11	0.00	3420.10
RW - 2		12/01/05	3465.21	-	-	45.34	0.00	3419.87
RW - 2		12/28/05	3465.21	-	sheen	45.27	0.00	3419.94
RW - 2		01/11/06	3465.21	-	sheen	45.28	0.00	3419.93
RW - 2		01/25/06	3465.21	-	sheen	45.31	0.00	3419.90
RW - 2		02/08/06	3465.21	-	sheen	45.28	0.00	3419.93
RW - 2		02/23/06	3465.21	-	sheen	45.30	0.00	3419.91
RW - 2		03/07/06	3465.21	-	-	45.26	0.00	3419.95
RW - 2		03/08/06	3465.21	-	sheen	45.27	0.00	3419.94

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

HDO 90 - 23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
RW - 2		03/20/06	3465.21	-	sheen	45.28	0.00	3419.93
RW - 2		03/30/06	3465.21	-	-	45.29	0.00	3419.92
RW - 2		05/03/06	3465.21	-	sheen	45.31	0.00	3419.90
RW - 2		06/01/06	3465.21	-	sheen	45.33	0.00	3419.88
RW - 2		06/06/06	3465.21	-	sheen	45.32	0.00	3419.89
RW - 2		06/14/06	3465.21	-	sheen	45.33	0.00	3419.88
RW - 2		07/13/06	3465.21	-	sheen	45.38	0.00	3419.83
RW - 2		07/27/06	3465.21	-	-	45.29	0.00	3419.92
RW - 2		08/10/06	3465.21	-	sheen	45.48	0.00	3419.73
RW - 2		09/15/06	3465.21	-	-	45.42	0.00	3419.79
RW - 2		10/03/06	3465.21	-	sheen	45.46	0.00	3419.75
RW - 2		11/20/06	3465.21	-	-	45.49	0.00	3419.72
RW - 2		01/11/07	3465.21	-	sheen	45.39	0.00	3419.82
RW - 2		02/15/07	3465.21	-	-	45.34	0.00	3419.87
RW - 2		02/23/07	3465.21	-	-	45.34	0.00	3419.87
RW - 2		03/08/07	3465.21	-	sheen	45.38	0.00	3419.83
RW - 2		03/28/07	3465.21	-	sheen	45.38	0.00	3419.83
RW - 2		04/25/07	3465.21	-	-	45.38	0.00	3419.83
RW - 2		05/18/07	3465.21	-	-	45.26	0.00	3419.95
RW - 2		07/12/07	3465.21	-	-	45.36	0.00	3419.85
RW - 2		08/21/07	3465.21	-	-	45.39	0.00	3419.82
RW - 2		09/14/07	3465.21	-	new sock			
RW - 2		11/05/07	3465.21	-	-	45.56	0.00	3419.65
RW - 2		02/08/08	3465.21	-	-	45.59	0.00	3419.62
RW - 2		05/08/08	3465.21	-	-	45.31	0.00	3419.90
RW - 2		08/13/08	3465.21	-	-	46.34	0.00	3418.87
RW - 2		09/30/08	3465.21	-	-	45.55	0.00	3419.66
RW - 2		10/08/08	3465.21	-	-	45.53	0.00	3419.68
RW - 2		10/24/08	3465.21	-	-	45.53	0.00	3419.68
RW - 2		11/06/08	3465.21	-	-	45.53	0.00	3419.68
RW - 2		12/17/08	3465.21	-	-	45.69	0.00	3419.52
RW - 2		12/30/08	3465.21	-	-	46.70	0.00	3418.51
RW - 2		01/07/09	3465.21	-	-	45.67	0.00	3419.54
RW - 2		01/22/09	3465.21	-	-	45.71	0.00	3419.50
RW - 2		01/26/09	3465.21	-	-	45.63	0.00	3419.58
RW - 2		02/05/09	3465.21	-	-	45.75	0.00	3419.46
RW - 2		02/13/09	3465.21	-	-	45.68	0.00	3419.53
RW - 2		02/27/09	3465.21	-	-	45.63	0.00	3419.58
RW - 2		03/03/09	3465.21	-	-	45.71	0.00	3419.50
RW - 2		03/10/09	3465.21	-	-	45.66	0.00	3419.55
RW - 2		03/18/09	3465.21	-	-	45.64	0.00	3419.57
RW - 2		03/27/09	3465.21	-	-	45.64	0.00	3419.57
RW - 2		04/02/09	3465.21	-	-	45.74	0.00	3419.47
RW - 2		04/07/09	3465.21	-	-	45.58	0.00	3419.63
RW - 2		04/14/09	3465.21	-	-	45.60	0.00	3419.61
RW - 2		04/28/09	3465.21	-	-	45.64	0.00	3419.57
RW - 2		05/07/09	3465.21	-	-	45.57	0.00	3419.64
RW - 2		05/08/09	3465.21	-	-	45.57	0.00	3419.64
RW - 2		06/16/09	3465.21	-	-	45.57	0.00	3419.64
RW - 2		06/26/09	3465.21	-	-	45.62	0.00	3419.59
RW - 2		06/30/09	3465.21	-	-	45.58	0.00	3419.63
RW - 2		07/07/09	3465.21	-	-	45.55	0.00	3419.66
RW - 2		07/28/09	3465.21	-	-	45.53	0.00	3419.68
RW - 2		07/31/09	3465.21	-	-	45.59	0.00	3419.62
RW - 2		08/05/09	3465.21	-	-	45.63	0.00	3419.58
RW - 2		08/06/09	3465.21	-	-	45.65	0.00	3419.56
RW - 2		08/13/09	3465.21	-	-	45.65	0.00	3419.56
RW - 2		08/25/09	3465.21	-	-	45.69	0.00	3419.52
RW - 2		09/01/09	3465.21	-	-	45.73	0.00	3419.48
RW - 2		09/08/09	3465.21	-	-	45.53	0.00	3419.68
RW - 2		09/15/09	3465.21	-	-	45.54	0.00	3419.67
RW - 2		09/25/09	3465.21	-	sheen	45.68	0.00	3419.53
RW - 2		09/28/09	3465.21	-	-	46.02	0.00	3419.19
RW - 2		10/02/09	3465.21	-	sheen	41.72	0.00	3423.49
RW - 2		10/05/09	3465.21	-	-	45.79	0.00	3419.42
RW - 2		10/09/09	3465.21	-	sheen	45.74	0.00	3419.47
RW - 2		10/12/09	3465.21	-	-	45.80	0.00	3419.41

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

HDO 90 - 23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
RW - 2		10/22/09	3465.21	-	sheen	45.70	0.00	3419.51
RW - 2		10/29/09	3465.21	-	sheen	45.67	0.00	3419.54
RW - 2		11/06/09	3465.21	-	sheen	45.67	0.00	3419.54
RW - 2		11/16/09	3465.21	-	-	45.87	0.00	3419.34
RW - 2		11/25/09	3465.21	-	-	45.81	0.00	3419.40
RW - 2		12/11/09	3465.21	-	-	45.71	0.00	3419.50
RW - 2		12/22/09	3465.21	-	-	45.53	0.00	3419.68
RW - 2		01/06/10	3465.21	-	-	45.82	0.00	3419.39
RW - 2		01/20/10	3465.21	-	-	45.65	0.00	3419.56
RW - 2		02/08/10	3465.21	-	-	45.74	0.00	3419.47
RW - 2		03/03/10	3465.21	-	-	45.84	0.00	3419.37
RW - 2		03/16/10	3465.21	-	-	45.73	0.00	3419.48
RW - 2		03/23/10	3465.21	-	-	45.76	0.00	3419.45
RW - 2		04/05/10	3465.21	-	-	45.67	0.00	3419.54
RW - 2		04/15/10	3465.21	-	-	45.76	0.00	3419.45
RW - 2		05/11/10	3465.21	-	-	45.78	0.00	3419.43
RW - 2		05/26/10	3465.21	-	-	45.75	0.00	3419.46
RW - 2		06/08/10	3465.21	-	-	45.69	0.00	3419.52
RW - 2		06/16/10	3465.21	-	-	45.67	0.00	3419.54
RW - 2		06/25/10	3465.21	-	-	45.72	0.00	3419.49
RW - 2		07/08/10	3465.21	-	-	45.74	0.00	3419.47
RW - 2		07/13/10	3465.21	-	-	45.37	0.00	3419.84
RW - 2		07/28/10	3465.21	-	-	45.61	0.00	3419.60
RW - 2		08/04/10	3465.21	-	-	45.61	0.00	3419.60
RW - 2		08/10/10	3465.21	-	-	45.72	0.00	3419.49
RW - 2		08/19/10	3465.21	-	-	45.68	0.00	3419.53
RW - 2		08/27/10	3465.21	-	-	45.69	0.00	3419.52
RW - 2		09/03/10	3465.21	-	sheen	45.56	0.00	3419.65
RW - 2		09/09/10	3465.21	-	-	45.71	0.00	3419.50
RW - 2		09/17/10	3465.21	-	-	45.63	0.00	3419.58
RW - 2		10/01/10	3465.21	-	-	45.73	0.00	3419.48
RW - 2		10/06/10	3465.21	-	-	45.72	0.00	3419.49
RW - 2		10/13/10	3465.21	-	-	45.75	0.00	3419.46
RW - 2		10/26/10	3465.21	-	-	45.71	0.00	3419.50
RW - 2		11/05/10	3465.21	-	-	45.71	0.00	3419.50
RW - 2		11/09/10	3465.21	-	-	45.71	0.00	3419.50
RW - 2		11/12/10	3465.21	-	-	45.76	0.00	3419.45
RW - 2		12/10/10	3465.21	-	-	45.67	0.00	3419.54
RW - 2		12/13/10	3465.21	-	-	45.71	0.00	3419.50
RW - 2		01/27/11	3465.21	-	-	45.72	0.00	3419.49
RW - 2		02/15/11	3465.21	-	-	45.71	0.00	3419.50
RW - 2		05/05/11	3465.21	-	-	45.71	0.00	3419.50
RW - 2		05/12/11	3465.21	-	-	45.84	0.00	3419.37
RW - 2		05/16/11	3465.21	-	-	45.67	0.00	3419.54
RW - 2		05/26/11	3465.21	-	-	45.89	0.00	3419.32
RW - 2		06/09/11	3465.21	-	-	45.80	0.00	3419.41
RW - 2		06/29/11	3465.21	-	-	45.86	0.00	3419.35
RW - 2		07/05/11	3465.21	-	-	45.84	0.00	3419.37
RW - 2		07/15/11	3465.21	-	-	45.83	0.00	3419.38
RW - 2		07/22/11	3465.21	-	-	45.83	0.00	3419.38
RW - 2		07/28/11	3465.21	-	-	45.80	0.00	3419.41
RW - 2		08/04/11	3465.21	-	-	45.92	0.00	3419.29
RW - 2		08/11/11	3465.21	-	-	45.89	0.00	3419.32
RW - 2		08/24/11	3465.21	-	-	45.91	0.00	3419.30
RW - 2		09/02/11	3465.21	-	-	45.96	0.00	3419.25
RW - 2		09/09/11	3465.21	-	-	46.03	0.00	3419.18
RW - 2		09/23/11	3465.21	-	-	46.03	0.00	3419.18
RW - 2		11/21/11	3465.21	-	-	46.03	0.00	3419.18
RW - 2		11/28/11	3465.21	-	-	46.05	0.00	3419.16
RW - 2		12/09/11	3465.21	-	-	46.09	0.00	3419.12
RW - 2		12/21/11	3465.21	-	-	46.01	0.00	3419.20
RW - 2		01/26/12	3465.21	-	-	45.96	0.00	3419.25
RW - 2		02/02/12	3465.21	-	-	45.94	0.00	3419.27
RW - 2		02/07/12	3465.21	-	-	45.95	0.00	3419.26
RW - 2		02/13/12	3465.21	-	-	45.92	0.00	3419.29
RW - 2		03/07/12	3465.21	-	-	45.92	0.00	3419.29
RW - 2		03/23/12	3465.21	-	-	45.82	0.00	3419.39

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

HDO 90 - 23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
RW - 2		03/30/12	3465.21	-	-	45.98	0.00	3419.23
RW - 2		04/05/12	3465.21	-	-	45.92	0.00	3419.29
RW - 2		04/13/12	3465.21	-	-	45.89	0.00	3419.32
RW - 2		04/26/12	3465.21	-	-	46.10	0.00	3419.11
RW - 2		05/03/12	3465.21	-	-	45.80	0.00	3419.41
RW - 2		05/07/12	3465.21	-	-	45.86	0.00	3419.35
RW - 2		05/29/12	3465.21	-	-	46.07	0.00	3419.14
RW - 2		06/08/12	3465.21	-	-	45.87	0.00	3419.34
RW - 2		06/15/12	3465.21	-	-	45.89	0.00	3419.32
RW - 2		06/22/12	3465.21	-	-	45.91	0.00	3419.30
RW - 2		06/29/12	3465.21	-	-	45.91	0.00	3419.30
RW - 2		07/03/12	3465.21	-	-	45.96	0.00	3419.25
RW - 2		08/10/12	3465.21	-	-	46.04	0.00	3419.17
RW - 2		08/16/12	3465.21	-	-	46.03	0.00	3419.18
RW - 2		09/12/12	3465.21	-	-	46.08	0.00	3419.13
RW - 2		10/17/12	3465.21	-	-	45.89	0.00	3419.32
RW - 2		10/12/12	3465.21	-	-	46.15	0.00	3419.06
RW - 2		10/24/12	3465.21	-	-	45.90	0.00	3419.31
RW - 2		11/06/12	3465.21	-	-	45.83	0.00	3419.38
RW - 2		12/14/12	3465.21	-	-	45.85	0.00	3419.36
RW - 2		12/21/12	3465.21	-	-	45.89	0.00	3419.32
RW - 2		02/06/13	3465.21	-	-	45.81	0.00	3419.40
RW - 2		02/20/13	3465.21	-	-	45.82	0.00	3419.39
RW - 2		03/29/13	3465.21	-	-	45.82	0.00	3419.39
RW - 2		04/03/13	3465.21	-	-	45.82	0.00	3419.39
RW - 2		04/09/13	3465.21	-	-	45.80	0.00	3419.41
RW - 2		04/19/13	3465.21	-	-	45.83	0.00	3419.38
RW - 2		04/24/13	3465.21	-	-	45.83	0.00	3419.38
RW - 2		05/02/13	3465.21	-	-	45.83	0.00	3419.38
RW - 2		05/08/13	3465.21	-	-	45.80	0.00	3419.41
RW - 2		05/10/13	3465.21	-	-	45.83	0.00	3419.38
RW - 2		05/17/13	3465.21	-	-	45.81	0.00	3419.40
RW - 2		05/22/13	3465.21	-	-	45.81	0.00	3419.40
RW - 2		05/30/13	3465.21	-	-	45.79	0.00	3419.42
RW - 2		06/05/13	3465.21	-	-	45.82	0.00	3419.39
RW - 2		06/12/13	3465.21	-	-	45.81	0.00	3419.40
RW - 2		06/18/13	3465.21	-	-	45.77	0.00	3419.44
RW - 2		06/25/13	3465.21	-	-	45.81	0.00	3419.40
RW - 2		07/02/13	3465.21	-	-	45.85	0.00	3419.36
RW - 2		07/09/13	3465.21	-	-	45.87	0.00	3419.34
RW - 2		07/26/13	3465.21	-	-	45.89	0.00	3419.32
RW - 2		07/29/13	3465.21	-	-	45.90	0.00	3419.31
RW - 2		08/01/13	3465.21	-	-	45.87	0.00	3419.34
RW - 2		08/06/13	3465.21	-	-	45.84	0.00	3419.37
RW - 2		08/15/13	3465.21	-	-	45.86	0.00	3419.35
RW - 2		08/20/13	3465.21	-	-	45.92	0.00	3419.29
RW - 2		09/12/13	3465.21	-	-	45.96	0.00	3419.25
RW - 2		09/19/13	3465.21	-	-	45.98	0.00	3419.23
RW - 2		09/25/13	3465.21	-	-	45.93	0.00	3419.28
RW - 2		10/01/13	3465.21	-	-	45.98	0.00	3419.23
RW - 2		10/09/13	3465.21	-	-	45.96	0.00	3419.25
RW - 2		10/24/13	3465.21	-	-	45.88	0.00	3419.33
RW - 2		10/29/13	3465.21	-	-	45.88	0.00	3419.33
RW - 2		11/04/13	3465.21	-	-	45.87	0.00	3419.34
RW - 2		11/05/13	3465.21	-	-	45.86	0.00	3419.35
RW - 2		12/02/13	3465.21	-	-	45.90	0.00	3419.31
RW - 2		12/10/13	3465.21	-	-	45.90	0.00	3419.31
RW - 2		12/17/13	3465.21	-	-	45.92	0.00	3419.29
RW - 2		12/23/13	3465.21	-	-	45.95	0.00	3419.26
RW - 2		01/01/14	3465.21	-	-	45.86	0.00	3419.35
RW - 2		01/07/14	3465.21	-	-	45.85	0.00	3419.36
RW - 2		01/16/14	3465.21	-	-	45.90	0.00	3419.31
RW - 2	David Fletcher	01/23/14	3465.21	-	-	45.90	0.00	3419.31
RW - 2	John F	01/28/14	3465.21	-	-	45.92	0.00	3419.29
RW - 2	john	02/11/14	3465.21	-	-	45.90	0.00	3419.31
RW - 2	John & Jose	02/26/14	3465.21	-	-	45.83	0.00	3419.38
RW - 2	David F.	03/21/14	3465.21	-	-	45.80	0.00	3419.41

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.

HDO 90 - 23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
RW - 2	David & Manny	03/29/14	3465.21	-	-	45.82	0.00	3419.39
RW - 2	David & Jose	04/10/14	3465.21	-	-	45.83	0.00	3419.38
RW - 2	David & Jose	04/17/14	3465.21	-	-	45.87	0.00	3419.34
RW - 2	David & Jose	04/17/14	3465.21	-	-	48.99	0.00	3416.22
RW - 2	Manny & Justin	04/24/14	3465.21	-	-	45.85	0.00	3419.36
RW - 2	David	05/01/14	3465.21	-	-	45.83	0.00	3419.38
RW - 2	Jose	05/06/14	3465.21	-	-	45.84	0.00	3419.37
RW - 2	David	05/12/14	3465.21	-	-	45.87	0.00	3419.34
RW - 2	Baer	05/23/14	3465.21	-	-	45.88	0.00	3419.33
RW - 2	Manny	05/27/14	3465.21	-	-	45.88	0.00	3419.33
RW - 2	David/Jose	06/05/14	3465.21	-	-	45.89	0.00	3419.32
RW - 2	Manny	06/18/14	3465.21	-	-	45.93	0.00	3419.28
RW - 2	David	07/01/14	3465.21	-	-	45.95	0.00	3419.26
RW - 2	David	07/23/14	3465.21	-	-	46.00	0.00	3419.21
RW - 2	Manny	08/06/14	3465.21	-	-	46.31	0.00	3418.90
RW - 2	David	08/11/14	3465.21	-	-	46.03	0.00	3419.18
RW - 2	David	08/21/14	3465.21	-	-	46.02	0.00	3419.19
RW - 2	David	09/04/14	3465.21	-	-	46.06	0.00	3419.15
RW - 2	Manny	10/28/14	3465.21	-	-	45.55	0.00	3419.66
RW - 2	Manny	11/15/14	3465.21	-	-	45.53	0.00	3419.68
RW - 2	Carlos	02/17/15	3465.21	-	-	45.52	0.00	3419.69
RW - 2	Manny	02/18/15	3465.21	-	-	45.52	0.00	3419.69
RW - 2	Manny/Art	03/19/15	3465.21	-	-	45.53	0.00	3419.68
RW - 2	Manny/Art	04/16/15	3465.21	-	-	45.53	0.00	3419.68
RW - 2	Manny/Art	05/28/15	3465.21	-	-	45.52	0.00	3419.69
RW - 2	Carlos/Matt	07/21/15	3465.21	-	-	45.68	0.00	3419.53
RW - 2	Manny/Matt	08/20/15	3465.21	-	-	45.79	0.00	3419.42
RW - 2	Carlos	09/11/15	3465.21	-	-	45.80	0.00	3419.41
RW - 2	Carlos	10/15/15	3465.21	-	-	45.76	0.00	3419.45
RW - 2	Manny	11/30/15	3465.21	-	-	45.70	0.00	3419.51
RW - 2	Carlos	12/11/15	3465.21	-	-	45.66	0.00	3419.55
RW - 2	Carlos	01/19/16	3465.21	-	-	45.66	0.00	3419.55
RW - 2	Manny	02/25/16	3465.21	-	-	45.69	0.00	3419.52
RW - 2	Manny	03/17/16	3465.21	-	-	45.67	0.00	3419.54
RW - 2	Carlos	04/13/16	3465.21	-	-	45.59	0.00	3419.62
RW - 2	Manny	06/02/16	3465.21	-	-	45.70	0.00	3419.51
RW - 2	Carlos	06/30/16	3465.21	-	-	45.74	0.00	3419.47
RW - 2	Manny	07/26/16	3465.21	-	-	45.88	0.00	3419.33
RW - 2	Manny	08/23/16	3465.21	-	-	45.85	0.00	3419.36
RW - 2	Manny	09/12/16	3465.21	-	-	45.64	0.00	3419.57
RW - 2	Manny	10/12/16	3465.21	-	-	45.49	0.00	3419.72
RW - 2	Carlos	12/01/16	3465.21	-	-	45.54	0.00	3419.67
RW - 2	Carlos	12/28/16	3465.21	-	-	45.61	0.00	3419.60
RW - 2	Carlos	01/25/17	3465.21	-	-	45.62	0.00	3419.59
RW - 2	Manny	02/23/17	3465.21	-	-	45.56	0.00	3419.65
RW - 2	Carlos	03/30/17	3465.21	-	-	45.55	0.00	3419.66
RW - 2	Manny	04/11/17	3465.21	-	-	45.61	0.00	3419.60
RW - 2	Manny	05/04/17	3465.21	-	-	45.61	0.00	3419.60
RW - 2	Jeremy	06/07/17	3465.21	-	-	45.64	0.00	3419.57
RW - 2	Jeremy	07/06/17	3465.21	-	-	45.70	0.00	3419.51
RW - 2	Jeremy	08/23/17	3465.21	-	-	45.79	0.00	3419.42
RW - 2	Jeremy	11/29/17	3465.21	-	-	45.86	0.00	3419.35
RW - 2	Jeremy	12/26/17	3465.21	-	-	45.89	0.00	3419.32
RW - 2	Manny	02/28/18	3465.21	-	-	45.91	0.00	3419.30
RW - 2	Jeremy	05/24/18	3465.21	-	-	45.97	0.00	3419.24
RW - 2	Jeremy	06/28/18	3465.21	-	-	45.99	0.00	3419.22
RW - 2	Jeremy	08/21/18	3465.21	-	-	46.12	0.00	3419.09
RW - 2	Manny/Elias	12/05/18	3465.21	-	-	46.18	0.00	3419.03
RW - 2	Jeremy	12/31/18	3465.21	-	-	46.19	0.00	3419.02
RW - 2	Jeremy	01/18/19	3465.21	-	-	46.14	0.00	3419.07
RW - 2	Jeremy	02/25/19	3465.21	-	-	46.17	0.00	3419.04
RW - 2	Manny	05/21/19	3465.21	-	-	46.05	0.00	3419.16
RW - 2	Manny	07/02/19	3465.21	-	-	46.10	0.00	3419.11
RW - 2	Manny	07/30/19	3465.21	-	-	46.17	0.00	3419.04
RW - 2	Manny	08/21/19	3465.21	-	-	46.20	0.00	3419.01
RW - 2	Elias	12/10/19	3465.21	-	-	46.01	0.00	3419.20
RW - 2	Elias	01/21/20	3465.21	-	-	46.00	0.00	3419.21

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
SRS NO. HDO 90-23
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109726199

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
RW - 2	Elias	02/25/20	3465.21	-	-	45.97	0.00	3419.24
RW - 2	Manny	06/03/20	3465.21	-	-	45.97	0.00	3419.24
RW - 2	Manny	09/21/20	3465.21	-	-	46.25	0.00	3418.96
RW - 2	Manny	11/13/20	3465.21	-	-	46.27	0.00	3418.94
RW - 2	Manny	03/26/21	3465.21	-	-	46.22	0.00	3418.99
RW - 2	Manny	05/14/21	3465.21	-	-	46.20	0.00	3419.01
RW - 2	Manny	09/08/21	3465.21	-	-	46.34	0.00	3418.87
RW - 2	Manny	12/08/21	3465.21	-	-	46.38	0.00	3418.83
RW - 2	Manny	12/13/21	3465.21	-	-	46.44	0.00	3418.77
RW - 2	Manny	03/16/22	3465.21	-	-	46.32	0.00	3418.89
RW - 2	Manny	05/19/22	3465.21	-	-	46.42	0.00	3418.79
RW - 2	Manny	09/07/22	3465.21	-	-	46.57	0.00	3418.64
RW - 2	Manny	12/01/22	3465.21	-	-	46.59	0.00	3418.62
RW - 2	Manny	02/16/23	3465.21	-	-	46.61	0.00	3418.60
RW - 2	Manny	05/04/23	3465.21	-	-	46.54	0.00	3418.67
RW - 2	Manny	09/14/23	3465.21	-	-	46.70	0.00	3418.51
RW - 2	Manny	12/05/23	3465.21	-	-	46.66	0.00	3418.55
RW - 2	Manny	03/18/24	3465.21	-	-	46.48	0.00	3418.73
RW - 2	Manny	06/03/24	3465.21	49.19	-	46.50	0.00	3418.71
RW - 2	Manny	09/26/24	3465.21	48.22	-	46.74	0.00	3418.47
RW - 2	Manny	11/05/24	3465.21	49.14	-	46.75	0.00	3418.46

Notes:

1. BTOC = Below Top-of-Casing.
2. Elevation based on North American Vertical Datum of 1929.
3. PSH = Phase Separated Hydrocarbons.
4. '-' = No gauging data collected on corresponding date.
5. P&A = Plugged and Abandoned.
6. Elevations of the potentiometric surface were calculated using a PSH specific gravity of 0.85 gram/cubic centimeter (g/cc).

TABLE 5

HISTROICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 1	09/14/99	<0.001	<0.001	<0.001	<0.001
MW - 1	11/03/99	<0.001	<0.001	<0.001	<0.001
MW - 1	03/08/00	<0.001	<0.001	<0.001	<0.001
MW - 1	05/12/00	<0.001	<0.001	<0.001	<0.001
MW - 1	09/11/00	<0.001	<0.001	<0.001	<0.001
MW - 1	12/11/00	<0.001	<0.001	<0.001	<0.001
MW - 1	03/19/01	<0.001	<0.001	<0.001	<0.001
MW - 1	05/30/01	0.0520	<0.001	<0.001	<0.001
MW - 1	09/25/01	<0.001	<0.001	<0.001	<0.001
MW - 1	11/20/01	<0.001	<0.001	<0.001	<0.001
MW - 1	02/20/02	<0.001	<0.001	<0.001	<0.001
MW - 1	06/25/02	<0.001	<0.001	<0.001	<0.001
MW - 1	09/17/02	<0.001	<0.001	<0.001	<0.001
MW - 1	11/20/02	<0.001	<0.001	<0.001	<0.001
MW - 1	02/11/03	<0.001	<0.001	<0.001	<0.001
MW - 1	05/15/03	<0.001	<0.001	<0.001	<0.001
MW - 1	08/26/03	<0.001	<0.001	<0.001	<0.001
MW - 1	11/24/03	<0.001	<0.001	<0.001	<0.002
MW - 1	02/18/04	<0.001	<0.001	<0.001	<0.002
MW - 1	12/07/04	<0.005	<0.005	<0.005	<0.005
MW - 1	03/09/05	NS	-	-	-
MW - 1	06/09/05	NS	-	-	-
MW - 1	09/08/05	NS	-	-	-
MW - 1	09/13/05	P&A	-	-	-
MW - 2	11/24/03	7.530	<0.010	2.660	1.054
MW - 2	05/12/04	8.930	0.0185	2.040	0.968
MW - 2	12/08/04	9.850	0.202	2.610	1.780
MW - 2	03/09/05	5.320	<0.05	1.870	1.180
MW - 2	06/09/05	PSH	-	-	-
MW - 2	09/08/05	PSH	-	-	-
MW - 2	12/01/05	PSH	-	-	-
MW - 2	03/07/06	4.940	<0.1	2.990	1.010
MW - 2	06/06/06	PSH	-	-	-
MW - 2	09/15/06	PSH	-	-	-
MW - 2	11/21/06	PSH	-	-	-
MW - 2	02/23/07	PSH	-	-	-
MW - 2	05/18/07	PSH	-	-	-
MW - 2	08/21/07	PSH	-	-	-
MW - 2	11/05/07	2.320	<0.2	2.310	0.892
MW - 2	02/09/08	2.820	0.0613	3.280	1.08
MW - 2	05/09/08	2.850	0.0244	2.500	0.658
MW - 2	08/13/08	2.370	0.0138	1.560	0.3710
MW - 2	11/06/08	1.930	0.0118	0.748	0.0964
MW - 2	02/05/09	1.960	<0.001	0.745	0.1110

TABLE 5

HISTROICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 2	05/08/09	1.980	<0.001	0.689	0.2010
MW - 2	08/05/09	1.660	<0.001	0.446	0.1390
MW - 2	11/16/09	1.980	<0.1	0.600	<0.1
MW - 2	02/08/10	PSH	-	-	-
MW - 2	05/11/10	PSH	-	-	-
MW - 2	08/10/10	PSH	-	-	-
MW - 2	11/09/10	PSH	-	-	-
MW - 2	02/15/11	PSH	-	-	-
MW - 2	05/05/11	PSH	-	-	-
MW - 2	08/04/11	PSH	-	-	-
MW - 2	11/21/11	PSH	-	-	-
MW - 2	02/13/12	PSH	-	-	-
MW - 2	05/29/12	PSH	-	-	-
MW - 2	08/10/12	PSH	-	-	-
MW - 2	11/06/12	PSH	-	-	-
MW - 2	02/06/13	PSH	-	-	-
MW - 2	05/08/13	PSH	-	-	-
MW - 2	08/01/13	PSH	-	-	-
MW - 2	11/05/13	PSH	-	-	-
MW - 2	02/26/14	PSH	-	-	-
MW - 2	05/12/14	PSH	-	-	-
MW - 2	08/11/14	PSH	-	-	-
MW - 2	11/15/14	PSH	-	-	-
MW - 2	02/18/15	PSH	-	-	-
MW - 2	05/28/15	PSH	-	-	-
MW - 2	08/20/15	PSH	-	-	-
MW - 2	11/30/15	0.373	<0.0500	0.217	<0.0500
MW - 2	02/25/16	0.384	<0.0500	0.473	<0.0500
MW - 2	06/02/16	PSH	-	-	-
MW - 2	09/12/16	PSH	-	-	-
MW - 2	12/01/16	2.97	<0.0400	0.177	0.142
MW - 2	02/23/17	PSH	-	-	-
MW - 2	05/04/17	0.395	<0.00200	0.0151	0.0334
MW - 2	08/24/17	0.628	0.167	0.0617	0.267
MW - 2	11/29/17	0.233	0.0522	0.0408	<0.0800
MW - 2	02/28/18	0.159	<0.0400	<0.0400	0.1242
MW - 2	05/24/18	PSH	-	-	-
MW - 2	08/21/18	0.0137	0.0150	0.0247	0.0906
MW - 2	12/05/18	0.0157	<0.0100	<0.00500	<0.0200
MW - 2	02/25/19	0.113	0.0134	0.0128	0.0140
MW - 2	05/22/19	0.0915	0.00591	0.0151	0.02329
MW - 2	08/21/19	0.274	0.0496	0.157	0.2130
MW - 2	12/10/19	0.766	0.0779	0.0758	0.164
MW - 2	02/25/20	0.310	0.0587	0.0845	0.2522
MW - 2	06/02/20	PSH	-	-	-

TABLE 5

HISTROICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 2	09/21/20	PSH	-	-	-
MW - 2	11/13/20	PSH	-	-	-
MW - 2	03/26/21	PSH	-	-	-
MW - 2	05/14/21	PSH	-	-	-
MW - 2	09/08/21	PSH	-	-	-
MW - 2	12/13/21	0.00398	0.00359	0.00175	0.00410
MW - 2	03/16/22	0.00776	0.00470	0.00285	0.00916
MW - 2	05/19/22	0.0277	0.00758	0.00462	0.01910
MW - 2	09/07/22	0.0398	0.00295	0.00638	0.02149
MW - 2	12/01/22	0.0196	0.00425	0.00414	0.02230
MW - 2	02/16/23	0.0745	0.00709	0.00859	0.0414
MW - 2	05/04/23	0.0428	0.0176	0.0106	0.0439
MW - 2	09/14/23	0.0202	0.00827	0.00682	0.03554
MW - 2	12/05/23	0.395	0.00828	0.00705	0.02784
MW - 2	03/19/24	0.0527	0.0282	0.0302	0.1062
MW - 2	06/04/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 2	09/26/24	0.0341	0.0029	0.00617	0.00950
MW - 2	11/02/24	0.0256	0.0118	0.00958	0.0389
MW - 3	09/14/99	1.8500	0.079	1.8200	0.116
MW - 3	11/03/99	1.9000	<0.001	2.0600	0.160
MW - 3	03/08/00	1.0400	<0.010	1.4300	<0.010
MW - 3	05/12/00	0.5450	0.004	0.2590	<0.001
MW - 3	09/11/00	0.5720	0.013	1.4900	<0.010
MW - 3	12/11/00	0.3720	<0.010	1.5700	0.076
MW - 3	03/19/01	0.7810	<0.005	1.3400	0.010
MW - 3	05/30/01	0.9020	<0.005	1.0500	0.203
MW - 3	09/25/01	1.3400	<0.001	1.0400	0.014
MW - 3	11/20/01	1.4400	<0.001	0.9710	0.021
MW - 3	02/20/02	1.8700	<0.001	1.1400	0.043
MW - 3	06/25/02	1.8000	<0.001	1.1000	0.471
MW - 3	09/17/02	1.9600	<0.001	1.3100	0.018
MW - 3	11/20/02	1.2300	<0.001	1.3300	0.028
MW - 3	02/11/03	13.6000	<0.001	13.0000	0.598
MW - 3	05/14/03	2.1800	<0.001	1.0600	0.041
MW - 3	08/26/03	3.0000	<0.001	0.6170	0.016
MW - 3	11/24/03	3.0000	<0.001	0.4070	0.015
MW - 3	02/18/04	2.9000	<0.001	0.2180	0.015
MW - 3	05/12/04	0.9360	<0.001	1.4400	0.182
MW - 3	08/25/04	0.0188	<.001	0.7940	0.0249
MW - 3	12/07/04	0.5870	<0.0100	<0.0100	<0.0100
MW - 3	03/09/05	0.4540	<0.005	0.0076	<0.005
MW - 3	06/09/05	0.3710	<0.01	0.1050	<0.01
MW - 3	09/08/05	0.0829	<0.01	0.2580	0.0388
MW - 3	12/01/05	0.1020	<0.02	<0.02	<0.02

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 3	03/07/06	0.1300	<0.001	0.0479	0.019
MW - 3	06/06/06	<0.005	<0.005	<0.005	<0.005
MW - 3	09/15/06	0.0143	<0.001	0.1070	<0.001
MW - 3	11/21/06	0.0177	<0.001	0.0089	<0.001
MW - 3	02/23/07	0.0085	<0.001	0.0366	<0.001
MW - 3	05/18/07	0.0056	<0.001	0.1570	0.0244
MW - 3	08/21/07	0.0100	<0.001	0.0296	<0.001
MW - 3	11/05/07	0.0133	<0.001	0.0460	0.0179
MW - 3	02/09/08	0.0158	<0.001	0.0463	0.0022
MW - 3	05/09/08	0.0446	<0.001	0.0181	0.0022
MW - 3	08/13/08	<0.001	<0.001	<0.001	0.0034
MW - 3	11/06/08	0.0032	<0.001	0.0200	0.0020
MW - 3	02/05/09	0.0028	<0.001	<0.001	<0.001
MW - 3	05/08/09	0.0084	<0.001	0.0676	<0.001
MW - 3	08/05/09	NS	-	-	-
MW - 3	11/16/09	<0.001	<0.001	<0.001	<0.001
MW - 3	02/08/10	<0.001	<0.001	<0.001	<0.001
MW - 3	05/11/10	<0.001	<0.001	<0.001	<0.001
MW - 3	08/10/10	<0.001	<0.001	<0.001	<0.001
MW - 3	11/09/10	<0.001	<0.001	<0.001	<0.001
MW - 3	02/15/11	<0.001	<0.001	<0.001	<0.001
MW - 3	05/05/11	0.0110	<0.001	<0.001	<0.001
MW - 3	08/04/11	0.0566	<0.001	0.0081	<0.001
MW - 3	11/21/11	0.0205	<0.001	0.0017	<0.001
MW - 3	02/13/12	0.0171	<0.001	0.0042	<0.001
MW - 3	05/29/12	0.0806	<0.001	<0.001	<0.001
MW - 3	08/10/12	0.0605	<0.001	0.0108	0.0148
MW - 3	11/06/12	0.0025	<0.001	0.0133	<0.001
MW - 3	02/06/13	<0.001	<0.001	0.00640	<0.001
MW - 3	05/08/13	<0.001	<0.001	<.00100	<0.001
MW - 3	08/01/13	<0.001	<0.001	<.00100	<0.001
MW - 3	11/05/13	<0.001	<0.001	<.00100	<0.001
MW - 3	02/26/14	<0.00100	<0.00100	<0.00100	<0.00300
MW - 3	05/12/14	<0.00100	<0.00100	<0.00100	<0.00300
MW - 3	08/11/14	<0.00100	<0.00100	<0.00100	<0.00100
MW - 3	11/15/14	0.00530	<0.00100	<0.00100	<0.00100
MW - 3	02/18/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 3	05/28/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 3	08/20/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 3	11/30/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 3	02/25/16	<0.00100	<0.00100	<0.00100	<0.00100
MW - 3	06/02/16	<0.00100	<0.00100	<0.00100	<0.00100
MW - 3	09/12/16	<0.00100	<0.00100	<0.00100	<0.00100
MW - 3	12/01/16	<0.00200	<0.00200	<0.00200	<0.00200
MW - 3	02/23/17	<0.00200	<0.00200	<0.00200	<0.00200

TABLE 5

HISTROICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 3	05/04/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 3	08/23/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 3	11/29/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 3	02/28/18	<0.00200	<0.00200	<0.00200	<0.00400
MW - 3	05/24/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 3	08/21/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 3	12/05/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 3	02/25/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 3	05/22/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 3	08/21/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 3	12/10/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 3	02/25/20	<0.00100	<0.00100	<0.00100	<0.00200
MW - 3	06/03/20	<0.00100	<0.00500	<0.00100	<0.00500
MW - 3	09/22/20	<0.00100	<0.00100	<0.00100	<0.00200
MW - 3	11/13/20	<0.00100	<0.00100	<0.00100	<0.00200
MW - 3	03/26/21	<0.00100	<0.00100	0.00126	<0.00200
MW - 3	05/14/21	<0.00100	<0.00100	0.0214	<0.00200
MW - 3	09/08/21	<0.00100	<0.00100	<0.00100	<0.00200
MW - 3	12/13/21	0.00150	<0.00100	<0.00100	<0.00200
MW - 3	03/16/22	0.0689	<0.00100	<0.00100	<0.00200
MW - 3	05/19/22	0.109	<0.00100	<0.00100	<0.00200
MW - 3	09/07/22	0.375	<0.00100	<0.00100	<0.00200
MW - 3	12/01/22	<0.00100	<0.00100	<0.00100	<0.00200
MW - 3	02/16/23	0.0136	<0.00100	<0.00100	<0.00200
MW - 3	05/04/23	0.00210	<0.00100	<0.00100	<0.00200
MW - 3	09/14/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 3	12/05/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 3	03/19/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 3	06/04/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 3	09/26/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 3	11/06/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 4	09/14/99	<0.001	<0.001	<0.001	<0.001
MW - 4	11/03/99	<0.001	<0.001	<0.001	<0.001
MW - 4	03/08/00	<0.001	<0.001	0.0020	<0.001
MW - 4	05/12/00	<0.001	<0.001	<0.001	<0.001
MW - 4	09/11/00	<0.001	0.002	<0.001	<0.001
MW - 4	12/11/00	<0.001	<0.001	<0.001	<0.001
MW - 4	03/19/01	<0.001	<0.001	<0.001	<0.001
MW - 4	05/30/01	<0.005	<0.005	<0.005	<0.005
MW - 4	09/25/01	<0.001	<0.001	<0.001	<0.001
MW - 4	11/20/01	0.0010	<0.001	<0.001	<0.001
MW - 4	02/20/02	0.0010	<0.001	<0.001	<0.001
MW - 4	06/25/02	<0.001	<0.001	<0.001	<0.001
MW - 4	09/17/02	<0.001	<0.001	<0.001	<0.001

TABLE 5

HISTROICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 4	11/20/02	<0.001	<0.001	<0.001	<0.001
MW - 4	02/11/03	<0.001	<0.001	<0.001	<0.001
MW - 4	05/15/03	<0.001	<0.001	<0.001	<0.001
MW - 4	08/26/03	<0.001	<0.001	<0.001	<0.001
MW - 4	11/24/03	<0.001	<0.001	<0.001	<0.002
MW - 4	02/18/04	<0.001	<0.001	<0.001	<0.002
MW - 4	12/07/04	<0.001	<0.001	<0.001	<0.001
MW - 4	03/09/05	NS	-	-	-
MW - 4	06/09/05	NS	-	-	-
MW - 4	09/08/05	NS	-	-	-
MW - 4	12/01/05	NS	-	-	<0.001
MW - 4	03/07/06	NS	-	-	-
MW - 4	06/06/06	<0.005	<0.005	<0.005	<0.005
MW - 4	09/15/06	NS	-	-	-
MW - 4	11/21/06	<0.001	<0.001	<0.001	<0.001
MW - 4	02/23/07	NS	-	-	-
MW - 4	05/18/07	<0.001	<0.001	<0.001	<0.001
MW - 4	08/21/07	NS	-	-	-
MW - 4	11/05/07	<0.001	<0.001	<0.001	<0.001
MW - 4	02/09/08	NS	-	-	-
MW - 4	05/09/08	<0.001	<0.001	<0.001	<0.001
MW - 4	08/13/08	NS	-	-	-
MW - 4	11/06/08	<0.001	<0.001	<0.001	<0.001
MW - 4	02/05/09	NS	-	-	-
MW - 4	05/08/09	<0.001	<0.001	<0.001	<0.001
MW - 4	08/05/09	NS	-	-	-
MW - 4	11/16/09	<0.001	<0.001	<0.001	<0.001
MW - 4	02/08/10	NS	-	-	-
MW - 4	05/11/10	<0.001	<0.001	<0.001	<0.001
MW - 4	08/10/10	NS	-	-	-
MW - 4	11/09/10	<0.001	<0.001	<0.001	<0.001
MW - 4	02/15/11	<0.001	<0.001	<0.001	<0.001
MW - 4	05/05/11	NS	-	-	-
MW - 4	08/04/11	NS	-	-	-
MW - 4	11/21/11	<0.001	<0.001	<0.001	<0.001
MW - 4	02/13/12	NS	-	-	-
MW - 4	05/29/12	<0.001	<0.001	<0.001	<0.001
MW - 4	08/10/12	NS	-	-	-
MW - 4	11/07/12	<0.001	<0.001	<0.001	<0.001
MW - 4	02/06/13	NS	-	-	-
MW - 4	05/09/13	<0.001	<0.001	<0.001	<0.001
MW - 4	08/01/13	NS	-	-	-
MW - 4	11/05/13	<0.001	<0.001	<0.001	<0.001
MW - 4	02/26/14	NS	-	-	-
MW - 4	05/29/14	<0.00100	<0.00100	<0.00100	<0.00300

TABLE 5

HISTROICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 4	08/11/14	NS	-	-	-
MW - 4	12/18/14	<0.00100	<0.00100	<0.00100	<0.00100
MW - 4	02/18/15	NS	-	-	-
MW - 4	05/28/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 4	08/20/15	NS	-	-	-
MW - 4	11/30/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 4	02/25/16	NS	-	-	-
MW - 4	06/02/16	<0.00100	0.0110	<0.00100	0.0015
MW - 4	09/12/16	NS	-	-	-
MW - 4	12/01/16	<0.00200	<0.00200	<0.00200	<0.00200
MW - 4	12/28/16	<0.00200	<0.00200	<0.00200	<0.00200
MW - 4	02/23/17	NS	-	-	-
MW - 4	05/04/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 4	08/23/17	NS	-	-	-
MW - 4	11/29/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 4	02/28/18	NS	-	-	-
MW - 4	05/24/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 4	08/21/18	NS	-	-	-
MW - 4	12/05/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 4	02/25/19	NS	-	-	-
MW - 4	05/22/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 4	08/21/19	NS	-	-	-
MW - 4	12/10/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 4	02/25/20	NS	-	-	-
MW - 4	06/02/20	<0.00100	<0.00500	<0.00100	<0.00500
MW - 4	09/21/20	NS	-	-	-
MW - 4	11/13/20	<0.00100	<0.00100	<0.00100	<0.00200
MW - 4	03/26/21	NS	-	-	-
MW - 4	05/14/21	<0.00100	<0.00100	<0.00100	<0.00200
MW - 4	09/08/21	NS	-	-	-
MW - 4	12/08/21	NS	-	-	-
MW - 4	03/16/22	NS	-	-	-
MW - 4	05/19/22	NS	-	-	-
MW - 4	09/07/22	<0.00100	<0.00100	<0.00100	<0.00200
MW - 4	11/30/22	NS	-	-	-
MW - 4	02/16/23	NS	-	-	-
MW - 4	05/04/23	NS	-	-	-
MW - 4	09/13/23	NS	-	-	-
MW - 4	12/04/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 4	03/19/24	NS	-	-	-
MW - 4	06/04/24	NS	-	-	-
MW - 4	09/26/24	NS	-	-	-
MW - 4	11/07/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 5	09/14/99	<0.001	<0.001	<0.001	<0.001

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 5	11/03/99	<0.001	<0.001	<0.001	<0.001
MW - 5	03/08/00	<0.001	<0.001	<0.001	<0.001
MW - 5	05/12/00	<0.001	<0.001	<0.001	<0.001
MW - 5	09/11/00	<0.001	<0.001	<0.001	<0.001
MW - 5	12/11/00	<0.001	<0.001	<0.001	<0.001
MW - 5	03/19/01	<0.001	<0.001	<0.001	<0.001
MW - 5	05/30/01	<0.005	<0.005	<0.005	<0.005
MW - 5	09/25/01	<0.001	<0.001	<0.001	<0.001
MW - 5	11/20/01	<0.001	<0.001	<0.001	<0.001
MW - 5	02/20/02	<0.001	<0.001	<0.001	<0.001
MW - 5	06/25/02	<0.001	<0.001	<0.001	<0.001
MW - 5	09/17/02	<0.001	<0.001	<0.001	<0.001
MW - 5	11/20/02	<0.001	<0.001	<0.001	<0.001
MW - 5	05/15/03	<0.001	<0.001	<0.001	<0.001
MW - 5	08/26/03	<0.001	<0.001	<0.001	<0.001
MW - 5	11/24/03	<0.001	<0.001	<0.001	<0.002
MW - 5	02/18/04	<0.001	<0.001	<0.001	<0.002
MW - 5	12/07/04	0.0175	<0.001	<0.001	<0.001
MW - 5	03/09/05	Not Sampled on Current Sample Schedule			
MW - 5	06/09/05	<0.001	<0.001	<0.001	<0.001
MW - 5	09/08/05	Not Sampled on Current Sample Schedule			
MW - 5	12/01/05	Not Sampled due to Well Obstruction			
MW - 5	03/07/06	Not Sampled on Current Sample Schedule			
MW - 5	06/06/06	<0.005	<0.005	<0.005	<0.005
MW - 5	09/15/06	Not Sampled on Current Sample Schedule			
MW - 5	12/05/06	<0.001	<0.001	<0.001	<0.001
MW - 5	02/23/07	Not Sampled on Current Sample Schedule			
MW - 5	05/18/07	<0.001	<0.001	<0.001	<0.001
MW - 5	08/21/07	Not Sampled on Current Sample Schedule			
MW - 5	11/05/07	<0.001	<0.001	<0.001	<0.001
MW - 5	02/09/08	Not Sampled on Current Sample Schedule			
MW - 5	05/09/08	<0.001	<0.001	<0.001	<0.001
MW - 5	08/13/08	Not Sampled on Current Sample Schedule			
MW - 5	11/06/08	<0.001	<0.001	<0.001	<0.001
MW - 5	02/05/09	Not Sampled on Current Sample Schedule			
MW - 5	05/08/09	<0.001	<0.001	<0.001	<0.001
MW - 5	08/05/09	Not Sampled on Current Sample Schedule			
MW - 5	11/16/09	<0.001	<0.001	<0.001	<0.001
MW - 5	02/08/10	Not Sampled on Current Sample Schedule			
MW - 5	05/11/10	<0.001	<0.001	<0.001	<0.001
MW - 5	08/10/10	Not Sampled on Current Sample Schedule			
MW - 5	11/09/10	<0.001	<0.001	<0.001	<0.001
MW - 5	02/15/11	Not Sampled on Current Sample Schedule			
MW - 5	05/05/11	<0.001	<0.001	<0.001	<0.001
MW - 5	08/04/11	Not Sampled on Current Sample Schedule			

TABLE 5

HISTROICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 5	11/21/11	<0.001	<0.001	<0.001	<0.001
MW - 5	02/13/12	Not Sampled on Current Sample Schedule			
MW - 5	05/29/12	<0.001	<0.001	<0.001	<0.001
MW - 5	08/10/12	Not Sampled on Current Sample Schedule			
MW - 5	11/06/12	<0.001	<0.001	<0.001	<0.001
MW - 5	02/06/13	Not Sampled on Current Sample Schedule			
MW - 5	05/09/13	<0.001	<0.001	<0.001	<0.001
MW - 5	08/01/13	Not Sampled on Current Sample Schedule			
MW - 5	11/05/13	<0.001	<0.001	<0.001	<0.001
MW - 5	02/26/14	Not Sampled on Current Sample Schedule			
MW - 5	05/12/14	<0.00100	<0.00100	<0.00100	<0.00300
MW - 5	08/11/14	Not Sampled on Current Sample Schedule			
MW - 5	11/15/14	<0.00100	<0.00100	<0.00100	<0.00100
MW - 5	02/18/15	Not Sampled on Current Sample Schedule			
MW - 5	05/28/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 5	08/20/15	Not Sampled on Current Sample Schedule			
MW - 5	11/30/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 5	02/25/16	Not Sampled on Current Sample Schedule			
MW - 5	06/02/16	<0.00100	<0.00100	<0.00100	<0.00100
MW - 5	09/12/16	Not Sampled on Current Sample Schedule			
MW - 5	12/01/16	<0.00200	<0.00200	<0.00200	<0.00200
MW - 5	02/23/17	Not Sampled on Current Sample Schedule			
MW - 5	05/04/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 5	08/23/17	Not Sampled on Current Sample Schedule			
MW - 5	11/29/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 5	02/28/18	Not Sampled on Current Sample Schedule			
MW - 5	05/24/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 5	08/21/18	Not Sampled on Current Sample Schedule			
MW - 5	12/05/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 5	02/25/19	Not Sampled on Current Sample Schedule			
MW - 5	05/22/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 5	08/21/19	Not Sampled on Current Sample Schedule			
MW - 5	12/10/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 5	02/25/20	NS	-	-	-
MW - 5	06/02/20	<0.00100	<0.00500	<0.00100	<0.00500
MW - 5	09/21/20	NS	-	-	-
MW - 5	11/13/20	<0.00100	<0.00100	<0.00100	<0.00200
MW - 5	03/26/21	NS	-	-	-
MW - 5	05/14/21	<0.00100	<0.00100	<0.00100	<0.00200
MW - 5	09/08/21	NS	-	-	-
MW - 5	12/08/21	NS	-	-	-
MW - 5	03/16/22	NS	-	-	-
MW - 5	05/19/22	NS	-	-	-
MW - 5	09/07/22	<0.00100	<0.00100	<0.00100	<0.00200
MW - 5	11/30/22	NS	-	-	-

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 5	02/16/23	NS	-	-	-
MW - 5	05/04/23	NS	-	-	-
MW - 5	09/13/23	NS	-	-	-
MW - 5	12/04/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 5	03/19/24	NS	-	-	-
MW - 5	06/04/24	NS	-	-	-
MW - 5	09/26/24	NS	-	-	-
MW - 5	11/07/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 6	09/14/99	0.0720	0.063	0.0200	0.0230
MW - 6	03/09/05	Not Sampled due to PSH in Well			
MW - 6	06/09/05	Not Sampled due to PSH in Well			
MW - 6	09/08/05	Not Sampled due to PSH in Well			
MW - 6	12/01/05	Not Sampled due to PSH in Well			
MW - 6	03/07/06	Not Sampled due to PSH in Well			
MW - 6	06/06/06	Not Sampled due to PSH in Well			
MW - 6	09/15/06	Not Sampled due to PSH in Well			
MW - 6	12/05/06	Not Sampled due to PSH in Well			
MW - 6	02/23/07	Not Sampled due to PSH in Well			
MW - 6	05/18/07	Not Sampled due to PSH in Well			
MW - 6	08/21/07	Not Sampled due to PSH in Well			
MW - 6	11/05/07	Not Sampled due to PSH in Well			
MW - 6	02/09/08	Not Sampled due to PSH in Well			
MW - 6	05/09/08	Not Sampled due to PSH in Well			
MW - 6	08/13/08	Not Sampled due to PSH in Well			
MW - 6	11/06/08	1.070	0.776	1.370	2.800
MW - 6	02/05/09	Not Sampled due to PSH in Well			
MW - 6	05/08/09	Not Sampled due to PSH in Well			
MW - 6	08/05/09	Not Sampled due to PSH in Well			
MW - 6	11/16/09	1.560	0.497	0.891	1.350
MW - 6	02/08/10	Not Sampled due to PSH in Well			
MW - 6	05/11/10	Not Sampled due to PSH in Well			
MW - 6	08/10/10	Not Sampled due to PSH in Well			
MW - 6	11/09/10	Not Sampled due to PSH in Well			
MW - 6	02/15/11	Not Sampled due to PSH in Well			
MW - 6	05/05/11	Not Sampled due to PSH in Well			
MW - 6	08/04/11	Not Sampled due to PSH in Well			
MW - 6	11/21/11	Not Sampled due to PSH in Well			
MW - 6	02/13/12	Not Sampled due to PSH in Well			
MW - 6	05/29/12	Not Sampled due to PSH in Well			
MW - 6	08/10/12	Not Sampled due to PSH in Well			
MW - 6	11/06/12	Not Sampled due to PSH in Well			
MW - 6	02/06/13	Not Sampled due to PSH in Well			
MW - 6	05/08/13	Not Sampled due to PSH in Well			
MW - 6	08/01/13	Not Sampled due to PSH in Well			

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 6	11/05/13	Not Sampled due to PSH in Well			
MW - 6	02/26/14	Not Sampled due to PSH in Well			
MW - 6	05/12/14	Not Sampled due to PSH in Well			
MW - 6	08/11/14	Not Sampled due to PSH in Well			
MW - 6	11/15/14	Not Sampled due to PSH in Well			
MW - 6	02/18/15	Not Sampled due to PSH in Well			
MW - 6	05/28/15	Not Sampled due to PSH in Well			
MW - 6	08/20/15	Not Sampled due to PSH in Well			
MW - 6	11/30/15	Not Sampled due to PSH in Well			
MW - 6	02/25/16	Not Sampled due to PSH in Well			
MW - 6	06/02/16	Not Sampled due to PSH in Well			
MW - 6	09/12/16	Not Sampled due to PSH in Well			
MW - 6	12/01/16	Not Sampled due to PSH in Well			
MW - 6	02/23/17	Not Sampled due to PSH in Well			
MW - 6	05/04/17	Not Sampled due to PSH in Well			
MW - 6	08/23/17	Not Sampled due to PSH in Well			
MW - 6	11/29/17	Not Sampled due to PSH in Well			
MW - 6	02/28/18	Not Sampled due to PSH in Well			
MW - 6	05/24/18	Not Sampled due to PSH in Well			
MW - 6	08/21/18	Not Sampled due to PSH in Well			
MW - 6	12/05/18	Not Sampled due to PSH in Well			
MW - 6	02/25/19	Not Sampled due to PSH in Well			
MW - 6	05/22/19	Not Sampled due to PSH in Well			
MW - 6	08/21/19	Not Sampled due to PSH in Well			
MW - 6	12/10/19	Not Sampled due to PSH in Well			
MW - 6	02/25/20	PSH	-	-	-
MW - 6	06/02/20	PSH	-	-	-
MW - 6	09/21/20	PSH	-	-	-
MW - 6	11/13/20	PSH	-	-	-
MW - 6	03/26/21	PSH	-	-	-
MW - 6	05/14/21	PSH	-	-	-
MW - 6	09/08/21	PSH	-	-	-
MW - 6	12/12/21	0.138	0.00297	0.223	0.19839
MW - 6	03/16/22	0.119	0.00357	0.214	0.09693
MW - 6	05/19/22	0.186	0.00107	0.199	0.1696
MW - 6	09/07/22	0.221	0.00331	0.308	0.2562
MW - 6	12/01/22	0.277	0.0102	0.398	0.3768
MW - 6	02/16/23	0.497	0.0112	0.800	0.709
MW - 6	05/04/23	0.245	0.00510	0.451	0.339
MW - 6	09/14/23	0.202	0.00218	0.400	0.3376
MW - 6	12/05/23	0.211	0.00331	0.377	0.2775
MW - 6	03/19/24	0.305	0.0377	0.817	0.825
MW - 6	06/04/24	0.251	0.00608	0.966	0.5096
MW - 6	09/26/24	0.267	0.00333	0.956	0.7253
MW - 6	11/06/24	0.232	0.00286	0.431	0.3316

TABLE 5

HISTROICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 7	09/14/99	<0.001	<0.001	<0.001	<0.001
MW - 7	11/03/99	<0.001	<0.001	<0.001	<0.001
MW - 7	03/08/00	<0.001	<0.001	<0.001	<0.001
MW - 7	05/12/00	<0.001	<0.001	<0.001	<0.001
MW - 7	09/11/00	0.0020	<0.001	<0.001	<0.001
MW - 7	12/11/00	<0.001	<0.001	<0.001	<0.001
MW - 7	03/19/01	<0.001	<0.001	<0.001	<0.001
MW - 7	05/30/01	<0.005	<0.005	<0.005	<0.005
MW - 7	09/25/01	<0.001	<0.001	<0.001	<0.001
MW - 7	11/20/01	<0.001	<0.001	<0.001	<0.001
MW - 7	02/20/02	<0.001	<0.001	<0.001	<0.001
MW - 7	06/25/02	<0.001	<0.001	<0.001	<0.001
MW - 7	09/17/02	<0.001	<0.001	<0.001	<0.001
MW - 7	11/20/02	<0.001	<0.001	<0.001	<0.001
MW - 7	02/11/03	<0.001	<0.001	<0.001	<0.001
MW - 7	05/15/03	<0.001	<0.001	<0.001	<0.001
MW - 7	08/26/03	<0.001	<0.001	<0.001	<0.001
MW - 7	11/24/03	<0.001	<0.001	<0.001	<0.002
MW - 7	02/18/04	<0.001	<0.001	<0.001	<0.002
MW - 7	12/07/04	<0.001	<0.001	<0.001	<0.001
MW - 7	03/09/05	Not Sampled on Current Sample Schedule			
MW - 7	06/09/05	Not Sampled on Current Sample Schedule			
MW - 7	09/08/05	Not Sampled on Current Sample Schedule			
MW - 7	09/13/05	Plugged and Abandoned			
MW - 8	09/14/99	<0.001	<0.001	<0.001	<0.001
MW - 8	11/03/99	<0.001	<0.001	<0.001	<0.001
MW - 8	03/08/00	<0.001	<0.001	<0.001	<0.001
MW - 8	05/12/00	<0.001	<0.001	<0.001	<0.001
MW - 8	09/11/00	<0.001	<0.001	0.0020	<0.001
MW - 8	12/11/00	<0.001	<0.001	<0.001	<0.001
MW - 8	03/19/01	<0.001	<0.001	<0.001	<0.001
MW - 8	05/30/01	<0.005	<0.005	<0.005	<0.005
MW - 8	09/25/01	<0.001	<0.001	<0.001	<0.001
MW - 8	11/20/01	<0.001	<0.001	<0.001	<0.001
MW - 8	02/20/02	<0.001	<0.001	<0.001	<0.001
MW - 8	06/25/02	<0.001	<0.001	<0.001	<0.001
MW - 8	09/17/02	<0.001	<0.001	<0.001	<0.001
MW - 8	11/20/02	<0.001	<0.001	<0.001	<0.001
MW - 8	02/11/03	<0.001	<0.001	<0.001	<0.001
MW - 8	05/15/03	<0.001	<0.001	<0.001	<0.001
MW - 8	08/26/03	<0.001	<0.001	<0.001	<0.001
MW - 8	11/24/03	<0.001	<0.001	<0.001	<0.002
MW - 8	02/18/04	<0.001	<0.001	<0.001	<0.002

TABLE 5

HISTROICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 8	03/09/05	Not Sampled on Current Sample Schedule			
MW - 8	06/09/05	Not Sampled on Current Sample Schedule			
MW - 8	09/08/05	Not Sampled on Current Sample Schedule			
MW - 8	12/01/05	<0.001	<0.001	<0.001	<0.001
MW - 8	03/07/06	Not Sampled on Current Sample Schedule			
MW - 8	06/06/06	Not Sampled on Current Sample Schedule			
MW - 8	09/15/06	Not Sampled on Current Sample Schedule			
MW - 8	11/21/06	<0.001	<0.001	<0.001	<0.001
MW - 8	02/23/07	Not Sampled on Current Sample Schedule			
MW - 8	05/18/07	Not Sampled on Current Sample Schedule			
MW - 8	08/21/07	Not Sampled on Current Sample Schedule			
MW - 8	11/05/07	<0.001	<0.001	<0.001	<0.001
MW - 8	02/09/08	Not Sampled on Current Sample Schedule			
MW - 8	05/09/08	Not Sampled on Current Sample Schedule			
MW - 8	08/13/08	Not Sampled on Current Sample Schedule			
MW - 8	11/06/08	0.0028	0.001	<0.001	0.0012
MW - 8	02/05/09	Not Sampled on Current Sample Schedule			
MW - 8	05/08/09	Not Sampled on Current Sample Schedule			
MW - 8	08/05/09	Not Sampled on Current Sample Schedule			
MW - 8	11/16/09	<0.001	<0.001	<0.001	<0.001
MW - 8	02/08/10	Not Sampled on Current Sample Schedule			
MW - 8	05/11/10	Not Sampled on Current Sample Schedule			
MW - 8	08/10/10	Not Sampled on Current Sample Schedule			
MW - 8	11/09/10	<0.001	<0.001	<0.001	<0.001
MW - 8	02/15/11	Not Sampled on Current Sample Schedule			
MW - 8	05/05/11	Not Sampled on Current Sample Schedule			
MW - 8	08/04/11	Not Sampled on Current Sample Schedule			
MW - 8	11/21/11	<0.001	<0.001	<0.001	<0.001
MW - 8	02/13/12	Not Sampled on Current Sample Schedule			
MW - 8	05/29/12	Not Sampled on Current Sample Schedule			
MW - 8	08/10/12	Not Sampled on Current Sample Schedule			
MW - 8	11/06/12	<0.001	<0.001	<0.001	<0.001
MW - 8	02/06/13	Not Sampled on Current Sample Schedule			
MW - 8	05/08/13	Not Sampled on Current Sample Schedule			
MW - 8	08/01/13	Not Sampled on Current Sample Schedule			
MW - 8	11/05/13	<0.001	<0.001	<0.001	<0.001
MW - 8	02/26/14	Not Sampled on Current Sample Schedule			
MW - 8	08/12/14	Not Sampled on Current Sample Schedule			
MW - 8	08/11/14	Not Sampled on Current Sample Schedule			
MW - 8	11/15/14	<0.00100	<0.00100	<0.00100	<0.00100
MW - 8	02/18/15	Not Sampled on Current Sample Schedule			
MW - 8	05/28/15	Not Sampled on Current Sample Schedule			
MW - 8	08/20/15	Not Sampled on Current Sample Schedule			
MW - 8	11/30/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 8	02/25/16	Not Sampled on Current Sample Schedule			

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 8	06/02/16	Not Sampled on Current Sample Schedule			
MW - 8	09/12/16	Not Sampled on Current Sample Schedule			
MW - 8	12/01/16	<0.00200	<0.00200	<0.00200	<0.00200
MW - 8	02/23/17	Not Sampled on Current Sample Schedule			
MW - 8	05/04/17	Not Sampled on Current Sample Schedule			
MW - 8	08/23/17	Not Sampled on Current Sample Schedule			
MW - 8	11/29/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 8	02/28/18	Not Sampled on Current Sample Schedule			
MW - 8	05/24/18	Not Sampled on Current Sample Schedule			
MW - 8	08/21/18	Not Sampled on Current Sample Schedule			
MW - 8	12/05/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 8	02/25/19	Not Sampled on Current Sample Schedule			
MW - 8	05/22/19	Not Sampled on Current Sample Schedule			
MW - 8	08/21/19	Not Sampled on Current Sample Schedule			
MW - 8	12/10/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 8	02/25/20	NS	-	-	-
MW - 8	06/02/20	NS	-	-	-
MW - 8	09/21/20	NS	-	-	-
MW - 8	11/13/20	<0.00100	<0.00100	<0.00100	<0.00200
MW - 8	03/26/21	NS	-	-	-
MW - 8	05/14/21	NS	-	-	-
MW - 8	09/08/21	NS	-	-	-
MW - 8	12/08/21	<0.00100	<0.00100	<0.00100	<0.00200
MW - 8	03/16/22	NS	-	-	-
MW - 8	05/19/22	NS	-	-	-
MW - 8	09/06/22	NS	-	-	-
MW - 8	12/02/22	<0.00100	<0.00100	<0.00100	<0.00200
MW - 8	02/16/23	NS	-	-	-
MW - 8	05/04/23	NS	-	-	-
MW - 8	09/13/23	NS	-	-	-
MW - 8	12/04/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 8	03/19/24	NS	-	-	-
MW - 8	06/04/24	NS	-	-	-
MW - 8	09/26/24	NS	-	-	-
MW - 8	11/07/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 9	01/10/03	<0.001	<0.001	<0.001	<0.001
MW - 9	02/11/03	<0.001	<0.001	<0.001	<0.001
MW - 9	05/15/03	<0.001	<0.001	<0.001	<0.001
MW - 9	08/26/03	<0.001	<0.001	<0.001	<0.001
MW - 9	11/24/03	<0.001	<0.001	<0.001	<0.002
MW - 9	02/18/04	<0.001	<0.001	<0.001	<0.002
MW - 9	05/12/04	<0.001	<0.001	<0.001	<0.002
MW - 9	08/23/04	<0.001	<0.001	<0.001	<0.002
MW - 9	12/07/04	<0.001	<0.001	<0.001	<0.001

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 9	03/09/05	<0.001	<0.001	<0.001	<0.001
MW - 9	06/09/05	<0.001	<0.001	<0.001	<0.001
MW - 9	09/08/05	<0.001	<0.001	<0.001	<0.001
MW - 9	12/01/05	<0.001	<0.001	<0.001	<0.001
MW - 9	03/07/06	<0.001	<0.001	<0.001	<0.001
MW - 9	06/06/06	<0.005	<0.005	<0.005	<0.005
MW - 9	09/15/06	<0.001	<0.001	<0.001	<0.001
MW - 9	11/21/06	<0.001	<0.001	<0.001	<0.001
MW - 9	02/23/07	<0.001	<0.001	<0.001	<0.001
MW - 9	05/18/07	<0.001	<0.001	<0.001	<0.001
MW - 9	08/21/07	<0.001	<0.001	<0.001	<0.001
MW - 9	11/05/07	<0.001	<0.001	<0.001	<0.001
MW - 9	02/08/08	<0.001	<0.001	<0.001	<0.001
MW - 9	05/09/08	<0.001	<0.001	<0.001	<0.001
MW - 9	08/13/08	<0.001	<0.001	<0.001	<0.001
MW - 9	11/06/08	<0.001	<0.001	<0.001	<0.001
MW - 9	02/04/09	<0.001	<0.001	<0.001	<0.001
MW - 9	05/08/09	<0.001	<0.001	<0.001	<0.001
MW - 9	08/05/09	<0.001	<0.001	<0.001	<0.001
MW - 9	11/16/09	<0.001	<0.001	<0.001	<0.001
MW - 9	02/08/10	Not Sampled on Current Sample Schedule			
MW - 9	05/11/10	<0.001	<0.001	<0.001	<0.001
MW - 9	08/10/10	Not Sampled on Current Sample Schedule			
MW - 9	11/09/10	<0.001	<0.001	<0.001	<0.001
MW - 9	02/15/11	Not Sampled on Current Sample Schedule			
MW - 9	05/05/11	<0.001	<0.001	<0.001	<0.001
MW - 9	08/04/11	Not Sampled on Current Sample Schedule			
MW - 9	11/21/11	<0.001	<0.001	<0.001	<0.001
MW - 9	02/13/12	Not Sampled on Current Sample Schedule			
MW - 9	05/29/12	<0.001	<0.001	<0.001	<0.001
MW - 9	08/10/12	Not Sampled on Current Sample Schedule			
MW - 9	11/06/12	<0.001	<0.001	<0.001	<0.001
MW - 9	02/06/13	Not Sampled on Current Sample Schedule			
MW - 9	05/08/13	<0.001	<0.001	<0.001	<0.001
MW - 9	08/01/13	Not Sampled on Current Sample Schedule			
MW - 9	11/05/13	<0.001	<0.001	<0.001	<0.001
MW - 9	02/26/14	Not Sampled on Current Sample Schedule			
MW - 9	05/12/14	<0.00100	<0.00100	<0.00100	<0.00300
MW - 9	08/11/14	Not Sampled on Current Sample Schedule			
MW - 9	11/15/14	<0.00100	<0.00100	<0.00100	<0.00100
MW - 9	02/18/15	Not Sampled on Current Sample Schedule			
MW - 9	05/28/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 9	08/20/15	Not Sampled on Current Sample Schedule			
MW - 9	11/30/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 9	02/25/16	Not Sampled on Current Sample Schedule			

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 9	06/02/16	<0.00100	<0.00100	<0.00100	<0.00100
MW - 9	09/12/16	Not Sampled on Current Sample Schedule			
MW - 9	12/01/16	<0.00200	<0.00200	<0.00200	<0.00200
MW - 9	02/23/17	Not Sampled on Current Sample Schedule			
MW - 9	05/04/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 9	08/23/17	Not Sampled on Current Sample Schedule			
MW - 9	11/29/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 9	02/28/18	Not Sampled on Current Sample Schedule			
MW - 9	05/24/18	<0.00100	<0.0100	<0.00500	<0.00200
MW - 9	08/21/18	Not Sampled on Current Sample Schedule			
MW - 9	12/05/18	<0.00100	<0.0100	<0.00500	<0.00200
MW - 9	02/25/19	Not Sampled on Current Sample Schedule			
MW - 9	05/22/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 9	08/21/19	Not Sampled on Current Sample Schedule			
MW - 9	12/10/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 9	02/25/20	NS	-	-	-
MW - 9	06/18/20	<0.00100	<0.00500	<0.00500	<0.00500
MW - 9	09/21/20	NS	-	-	-
MW - 9	11/13/20	<0.00100	<0.00100	<0.00100	<0.00200
MW - 9	03/26/21	NS	-	-	-
MW - 9	05/14/21	<0.00100	<0.00100	<0.00100	<0.00200
MW - 9	09/08/21	NS	-	-	-
MW - 9	12/13/21	<0.00100	<0.00100	<0.00100	<0.00200
MW - 9	03/16/22	<0.00100	<0.00100	<0.00100	<0.00200
MW - 9	05/19/22	<0.00100	<0.00100	<0.00100	<0.00200
MW - 9	09/07/22	<0.00100	<0.00100	<0.00100	<0.00200
MW - 9	12/01/22	<0.00100	<0.00100	<0.00100	<0.00200
MW - 9	02/16/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 9	05/04/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 9	09/14/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 9	12/05/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 9	03/19/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 9	06/04/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 9	09/26/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 9	11/06/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 10	01/10/03	<0.001	<0.001	<0.001	<0.001
MW - 10	02/11/03	<0.001	<0.001	<0.001	<0.001
MW - 10	05/15/03	<0.001	<0.001	<0.001	<0.001
MW - 10	08/26/03	<0.001	<0.001	<0.001	<0.001
MW - 10	11/24/03	<0.001	<0.001	<0.001	<0.002
MW - 10	02/18/04	<0.001	<0.001	<0.001	<0.002
MW - 10	05/12/04	<0.001	<0.001	<0.001	<0.002
MW - 10	08/23/04	<0.001	<0.001	<0.001	<0.002
MW - 10	12/07/04	<0.001	<0.001	<0.001	<0.001

TABLE 5

HISTROICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 10	03/09/05	<0.001	<0.001	<0.001	<0.001
MW - 10	06/09/05	<0.001	<0.001	<0.001	<0.001
MW - 10	09/08/05	Not Sampled on Current Sample Schedule			
MW - 10	09/13/05	Plugged and Abandoned			
MW - 11	01/10/03	<0.001	<0.001	<0.001	<0.001
MW - 11	02/11/03	<0.001	<0.001	<0.001	<0.001
MW - 11	05/15/03	<0.001	<0.001	<0.001	<0.001
MW - 11	08/26/03	<0.001	<0.001	<0.001	<0.001
MW - 11	11/24/03	<0.001	<0.001	<0.001	<0.002
MW - 11	02/18/04	<0.001	<0.001	<0.001	<0.002
MW - 11	05/12/04	<0.001	<0.001	<0.001	<0.002
MW - 11	08/23/04	<0.001	<0.001	<0.001	<0.002
MW - 11	12/07/04	<0.001	<0.001	<0.001	<0.001
MW - 11	03/09/05	<0.001	<0.001	<0.001	<0.001
MW - 11	06/09/05	<0.001	<0.001	<0.001	<0.001
MW - 11	09/08/05	Not Sampled on Current Sample Schedule			
MW - 11	09/13/05	Plugged and Abandoned			
MW - 12	01/10/03	<0.001	<0.001	<0.001	<0.001
MW - 12	02/11/03	<0.001	<0.001	<0.001	<0.001
MW - 12	05/15/03	<0.001	<0.001	<0.001	<0.001
MW - 12	08/26/03	<0.001	<0.001	<0.001	<0.001
MW - 12	11/24/03	<0.001	<0.001	<0.001	<0.002
MW - 12	02/18/04	<0.001	<0.001	<0.001	<0.002
MW - 12	05/12/04	<0.001	<0.001	<0.001	<0.002
MW - 12	08/23/04	<0.001	<0.001	<0.001	<0.002
MW - 12	12/07/04	<0.001	<0.001	<0.001	<0.001
MW - 12	03/09/05	<0.001	<0.001	<0.001	<0.001
MW - 12	06/09/05	<0.001	<0.001	<0.001	<0.001
MW - 12	09/08/05	<0.001	<0.001	<0.001	<0.001
MW - 12	12/01/05	<0.001	<0.001	<0.001	<0.001
MW - 12	03/07/06	<0.001	<0.001	<0.001	<0.001
MW - 12	06/06/06	<0.005	<0.005	<0.005	<0.005
MW - 12	09/15/06	<0.001	<0.001	<0.001	<0.001
MW - 12	11/21/06	<0.001	<0.001	<0.001	<0.001
MW - 12	02/23/07	<0.001	<0.001	<0.001	<0.001
MW - 12	05/18/07	<0.001	<0.001	<0.001	<0.001
MW - 12	08/21/07	<0.001	<0.001	<0.001	<0.001
MW - 12	11/05/07	<0.001	<0.001	<0.001	<0.001
MW - 12	02/08/08	<0.001	<0.001	<0.001	<0.001
MW - 12	05/09/08	<0.001	<0.001	<0.001	<0.001
MW - 12	08/13/08	<0.001	<0.001	<0.001	<0.001
MW - 12	11/06/08	<0.001	<0.001	<0.001	<0.001
MW - 12	02/04/09	<0.001	<0.001	<0.001	<0.001

TABLE 5

HISTROICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 12	05/08/09	<0.001	<0.001	<0.001	<0.001
MW - 12	08/05/09	<0.001	<0.001	<0.001	<0.001
MW - 12	11/16/09	<0.001	<0.001	<0.001	<0.001
MW - 12	02/08/10	<0.001	<0.001	<0.001	<0.001
MW - 12	05/11/10	<0.001	<0.001	<0.001	<0.001
MW - 12	08/10/10	<0.001	<0.001	<0.001	<0.001
MW - 12	11/09/10	<0.001	<0.001	<0.001	<0.001
MW - 12	02/15/11	<0.001	<0.001	<0.001	<0.001
MW - 12	05/05/11	<0.001	<0.001	<0.001	<0.001
MW - 12	08/04/11	<0.001	<0.001	<0.001	<0.001
MW - 12	11/21/11	<0.001	<0.001	<0.001	<0.001
MW - 12	02/13/12	<0.001	<0.001	<0.001	<0.001
MW - 12	05/29/12	<0.001	<0.001	<0.001	<0.001
MW - 12	08/10/12	<0.001	<0.001	<0.001	0.0127
MW - 12	11/06/12	<0.001	<0.001	<0.001	<0.001
MW - 12	02/06/13	<0.001	<0.001	<0.001	<0.001
MW - 12	05/08/13	<0.001	<0.001	<0.001	<0.001
MW - 12	08/01/13	<0.001	<0.001	<0.001	<0.001
MW - 12	11/05/13	<0.001	<0.001	<0.001	<0.001
MW - 12	02/26/14	<0.00100	<0.00100	<0.00100	<0.00300
MW - 12	05/12/14	<0.00100	<0.00100	<0.00100	<0.00300
MW - 12	08/11/14	<0.00100	<0.00100	<0.00100	<0.00100
MW - 12	11/15/14	<0.00100	<0.00100	<0.00100	<0.00100
MW - 12	02/18/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 12	05/28/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 12	08/20/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 12	11/30/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 12	02/25/16	<0.00100	<0.00100	<0.00100	<0.00100
MW - 12	06/02/16	<0.00100	<0.00100	<0.00100	<0.00100
MW - 12	09/12/16	<0.00100	<0.00100	<0.00100	<0.00100
MW - 12	12/01/16	<0.00200	<0.00200	<0.00200	<0.00200
MW - 12	02/23/17	<0.00200	<0.00200	<0.00200	<0.00200
MW - 12	05/05/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 12	08/23/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 12	11/29/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 12	02/28/18	<0.00200	<0.00200	<0.00200	<0.00400
MW - 12	05/24/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 12	08/21/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 12	12/05/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 12	02/25/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 12	05/22/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 12	08/21/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 12	12/10/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 12	02/25/20	<0.00100	<0.00100	<0.00100	<0.00200
MW - 12	06/03/20	<0.00100	<0.00500	<0.00100	<0.00500

TABLE 5

HISTROICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 12	09/22/20	<0.00100	<0.00100	<0.00100	<0.00200
MW - 12	11/13/20	<0.00100	<0.00100	<0.00100	<0.00200
MW - 12	03/26/21	<0.00100	<0.00100	<0.00100	<0.00200
MW - 12	05/14/21	<0.00100	<0.00100	<0.00100	<0.00200
MW - 12	09/08/21	NS	-	-	-
MW - 12	12/08/21	NS	-	-	-
MW - 12	03/16/22	NS	-	-	-
MW - 12	05/19/22	NS	-	-	-
MW - 12	09/07/22	<0.00100	<0.00100	<0.00100	<0.00200
MW - 12	11/30/22	NS	-	-	-
MW - 12	02/16/23	NS	-	-	-
MW - 12	05/04/23	NS	-	-	-
MW - 12	09/13/23	NS	-	-	-
MW - 12	12/04/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 12	03/19/24	NS	-	-	-
MW - 12	06/04/24	NS	-	-	-
MW - 12	09/26/24	NS	-	-	-
MW - 12	11/07/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 13	01/10/03	0.0020	<0.001	<0.001	<0.001
MW - 13	02/11/03	0.0020	<0.001	<0.001	<0.001
MW - 13	05/15/03	<0.001	<0.001	<0.001	<0.001
MW - 13	08/26/03	<0.001	<0.001	<0.001	<0.001
MW - 13	11/24/03	<0.001	<0.001	<0.001	<0.002
MW - 13	02/18/04	<0.001	<0.001	<0.001	<0.002
MW - 13	05/12/04	<0.001	<0.001	<0.001	<0.002
MW - 13	08/23/04	<0.001	<0.001	<0.001	<0.002
MW - 13	12/07/04	0.0349	<0.001	<0.001	<0.001
MW - 13	03/09/05	0.0326	<0.001	<0.001	<0.001
MW - 13	06/09/05	0.0038	<0.001	<0.001	<0.001
MW - 13	09/08/05	<0.001	<0.001	<0.001	<0.001
MW - 13	12/01/05	<0.001	<0.001	<0.001	<0.001
MW - 13	03/07/06	<0.001	<0.001	<0.001	<0.001
MW - 13	06/06/06	<0.005	<0.005	<0.005	<0.005
MW - 13	09/15/06	<0.001	<0.001	<0.001	<0.001
MW - 13	11/21/06	<0.001	<0.001	<0.001	0.0019
MW - 13	02/23/07	<0.001	<0.001	<0.001	<0.001
MW - 13	05/18/07	<0.001	<0.001	<0.001	<0.001
MW - 13	08/21/07	<0.001	<0.001	<0.001	<0.001
MW - 13	11/05/07	<0.001	<0.001	<0.001	<0.001
MW - 13	02/08/08	<0.001	<0.001	<0.001	<0.001
MW - 13	05/09/08	<0.001	<0.001	<0.001	<0.001
MW - 13	08/19/08	<0.001	<0.001	<0.001	<0.001
MW - 13	11/06/08	<0.001	<0.001	<0.001	<0.001
MW - 13	02/05/09	<0.001	<0.001	<0.001	<0.001

TABLE 5

HISTROICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 13	05/08/09	<0.001	<0.001	<0.001	<0.001
MW - 13	08/05/09	<0.001	<0.001	<0.001	<0.001
MW - 13	11/16/09	<0.001	<0.001	<0.001	<0.001
MW - 13	02/08/10	<0.001	<0.001	<0.001	<0.001
MW - 13	05/11/10	<0.001	<0.001	<0.001	<0.001
MW - 13	08/10/10	<0.001	<0.001	<0.001	<0.001
MW - 13	11/09/10	<0.001	<0.001	<0.001	<0.001
MW - 13	02/15/11	<0.001	<0.001	<0.001	<0.001
MW - 13	05/05/11	<0.001	<0.001	<0.001	<0.001
MW - 13	08/04/11	<0.001	<0.001	<0.001	<0.001
MW - 13	11/21/11	<0.001	<0.001	<0.001	<0.001
MW - 13	02/13/12	<0.001	<0.001	<0.001	<0.001
MW - 13	05/29/12	<0.001	<0.001	<0.001	<0.001
MW - 13	08/10/12	<0.001	<0.001	<0.001	<0.003
MW - 13	11/06/12	<0.001	<0.001	<0.001	<0.001
MW - 13	02/06/13	<0.001	<0.001	<0.001	<0.001
MW - 13	05/08/13	<0.001	<0.001	<0.001	<0.001
MW - 13	08/01/13	<0.001	<0.001	<0.001	<0.001
MW - 13	11/05/13	<0.001	<0.001	<0.001	<0.001
MW - 13	02/26/14	<0.00100	<0.00100	<0.00100	<0.00300
MW - 13	05/12/14	<0.00100	<0.00100	<0.00100	<0.00300
MW - 13	08/11/14	<0.00100	<0.00100	<0.00100	<0.00100
MW - 13	11/15/14	<0.00100	<0.00100	<0.00100	<0.00100
MW - 13	02/18/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 13	05/28/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 13	08/20/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 13	11/30/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 13	02/25/16	<0.00100	<0.00100	<0.00100	<0.00100
MW - 13	06/02/16	<0.00100	<0.00100	<0.00100	<0.00100
MW - 13	09/12/16	<0.00100	<0.00100	<0.00100	<0.00100
MW - 13	12/01/16	<0.00200	<0.00200	<0.00200	<0.00200
MW - 13	02/23/17	<0.00200	<0.00200	<0.00200	<0.00200
MW - 13	05/04/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 13	08/23/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 13	11/29/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 13	02/28/18	<0.00200	<0.00200	<0.00200	<0.00400
MW - 13	05/24/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 13	08/21/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 13	12/05/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 13	02/25/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 13	05/22/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 13	08/21/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 13	12/10/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 13	02/25/20	<0.00100	<0.00100	<0.00100	<0.00200
MW - 13	06/03/20	<0.00100	<0.00500	<0.00100	<0.00500

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 13	09/22/20	<0.00100	<0.00100	<0.00100	<0.00200
MW - 13	11/13/20	<0.00100	<0.00100	<0.00100	<0.00200
MW - 13	03/26/21	<0.00100	<0.00100	<0.00100	<0.00200
MW - 13	05/14/21	<0.00100	<0.00100	<0.00100	<0.00200
MW - 13	09/08/21	NS	-	-	-
MW - 13	12/08/21	NS	-	-	-
MW - 13	03/16/22	NS	-	-	-
MW - 13	05/19/22	NS	-	-	-
MW - 13	09/07/22	<0.00100	<0.00100	<0.00100	<0.00200
MW - 13	11/30/22	NS	-	-	-
MW - 13	02/16/23	NS	-	-	-
MW - 13	05/04/23	NS	-	-	-
MW - 13	09/13/23	Not Sampled on Current Sample Schedule			
MW - 13	12/04/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 13	03/19/24	NS	-	-	-
MW - 13	06/04/24	NS	-	-	-
MW - 13	09/26/24	NS	-	-	-
MW - 13	11/07/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 14	01/10/03	0.0710	0.007	0.1340	0.0190
MW - 14	02/11/03	0.0930	0.007	0.2600	0.0140
MW - 14	05/15/03	0.0460	0.003	0.1380	0.0080
MW - 14	08/26/03	0.0260	0.003	0.0850	0.0070
MW - 14	12/07/04	0.0622	<0.002	0.0858	<0.002
MW - 14	03/09/05	0.0263	<0.005	0.0569	0.0085
MW - 14	06/09/05	Not Sampled due to PSH in Well			
MW - 14	09/08/05	0.0286	0.0062	0.1110	0.0882
MW - 14	12/01/05	Not Sampled due to PSH in Well			
MW - 14	03/07/06	Not Sampled due to PSH in Well			
MW - 14	06/06/06	Not Sampled due to PSH in Well			
MW - 14	09/15/06	Not Sampled due to PSH in Well			
MW - 14	11/21/06	Not Sampled due to PSH in Well			
MW - 14	02/23/07	Not Sampled due to PSH in Well			
MW - 14	05/18/07	Not Sampled due to PSH in Well			
MW - 14	08/21/07	Not Sampled due to PSH in Well			
MW - 14	11/05/07	0.0039	0.0036	0.1380	0.0629
MW - 14	02/09/08	0.0061	0.0053	0.2800	0.078
MW - 14	05/09/08	0.0045	0.0011	0.0865	0.0213
MW - 14	08/13/08	0.0045	0.0023	0.1940	0.0252
MW - 14	11/06/08	0.0083	0.0045	0.3250	0.0414
MW - 14	02/05/09	0.0025	0.0015	0.1260	0.0183
MW - 14	05/08/09	0.0065	<0.001	0.0142	<0.001
MW - 14	08/05/09	0.0036	<0.001	0.0092	<0.001
MW - 14	11/16/09	0.0017	<0.001	0.0132	<0.001
MW - 14	02/08/10	0.0023	<0.001	0.0082	0.0037

TABLE 5

HISTROICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 14	05/11/10	<0.001	<0.001	<0.001	<0.001
MW - 14	08/10/10	0.0017	<0.001	<0.001	<0.001
MW - 14	11/09/10	<0.001	<0.001	<0.001	<0.001
MW - 14	02/15/11	<0.001	<0.001	<0.001	<0.001
MW - 14	05/05/11	<0.001	<0.0001	<0.001	<0.001
MW - 14	08/04/11	<0.001	<0.0001	<0.001	<0.001
MW - 14	11/21/11	<0.001	<0.001	<0.001	<0.001
MW - 14	02/13/12	<0.001	<0.001	<0.001	<0.001
MW - 14	05/29/12	0.0019	<0.001	<0.001	<0.001
MW - 14	08/10/12	0.0037	<0.001	0.0058	0.0129
MW - 14	11/06/12	<0.005	<0.005	<0.005	<0.005
MW - 14	02/06/13	<0.005	<0.005	<0.005	<0.005
MW - 14	05/08/13	<0.00100	<0.00100	<0.00100	<0.00100
MW - 14	08/01/13	<0.00100	<0.00100	<0.00100	<0.00100
MW - 14	11/05/13	<0.00100	<0.00100	<0.00100	<0.00100
MW - 14	02/26/14	<0.00100	<0.00100	<0.00100	<0.00300
MW - 14	05/12/14	0.00160	<0.00100	<0.00100	<0.00300
MW - 14	08/11/14	<0.00100	<0.00100	<0.00100	<0.00100
MW - 14	11/15/14	<0.00100	<0.00100	<0.00100	<0.00100
MW - 14	02/18/15	0.00100	<0.00100	<0.00100	<0.00100
MW - 14	05/28/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 14	08/20/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 14	11/30/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 14	02/25/16	<0.00100	<0.00100	<0.00100	<0.00100
MW - 14	06/02/16	<0.00100	<0.00100	<0.00100	<0.00100
MW - 14	09/12/16	<0.00100	<0.00100	<0.00100	<0.00100
MW - 14	12/28/16	<0.00200	<0.00200	<0.00200	<0.00200
MW - 14	02/23/17	<0.00200	<0.00200	<0.00200	<0.00200
MW - 14	05/04/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 14	09/01/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 14	11/29/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 14	02/28/18	<0.00200	<0.00200	<0.00200	<0.00400
MW - 14	05/24/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 14	08/21/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 14	12/05/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 14	02/25/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 14	05/22/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 14	08/21/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 14	12/10/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 14	02/25/20	<0.00100	<0.00100	<0.00100	<0.00200
MW - 14	06/03/20	<0.00100	<0.00500	<0.00100	<0.00500
MW - 14	09/22/20	<0.00100	<0.00100	<0.00100	<0.00200
MW - 14	11/13/20	<0.00100	<0.00100	<0.00100	<0.00200
MW - 14	03/26/21	<0.00100	<0.00100	<0.00100	<0.00200
MW - 14	05/14/21	<0.00100	<0.00100	<0.00100	<0.00200

TABLE 5

HISTROICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 14	09/08/21	NS	-	-	-
MW - 14	12/08/21	NS	-	-	-
MW - 14	03/16/22	NS	-	-	-
MW - 14	05/19/22	NS	-	-	-
MW - 14	09/07/22	<0.00100	<0.00100	<0.00100	<0.00200
MW - 14	11/30/22	NS	-	-	-
MW - 14	02/16/23	NS	-	-	-
MW - 14	05/04/23	NS	-	-	-
MW - 14	09/13/23	NS	-	-	-
MW - 14	12/04/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 14	03/19/24	NS	-	-	-
MW - 14	06/04/24	NS	-	-	-
MW - 14	09/26/24	NS	-	-	-
MW - 14	11/07/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 15	01/10/03	<0.001	<0.001	<0.001	<0.001
MW - 15	02/11/03	<0.001	<0.001	<0.001	<0.001
MW - 15	05/15/03	<0.001	<0.001	<0.001	<0.001
MW - 15	08/26/03	<0.001	<0.001	<0.001	<0.001
MW - 15	11/24/03	<0.001	<0.001	<0.001	<0.002
MW - 15	02/18/04	<0.001	<0.001	<0.001	<0.002
MW - 15	05/12/04	<0.001	<0.001	<0.001	<0.002
MW - 15	08/25/04	<0.001	<0.001	<0.001	<0.002
MW - 15	12/07/04	0.3360	<0.001	0.0561	0.067
MW - 15	03/09/05	0.0253	<0.001	0.0048	<0.001
MW - 15	06/09/05	<0.001	<0.001	<0.001	<0.001
MW - 15	09/08/05	Not Sampled due to Well Obstruction			
MW - 15	12/01/05	0.0128	<0.001	0.0019	<0.001
MW - 15	03/07/06	0.0016	<0.001	<0.001	<0.001
MW - 15	06/06/06	<0.005	<0.005	<0.005	<0.005
MW - 15	09/15/06	<0.001	<0.001	<0.001	<0.001
MW - 15	12/05/06	<0.001	<0.001	<0.001	<0.001
MW - 15	02/23/07	<0.001	<0.001	<0.001	<0.001
MW - 15	05/18/07	<0.001	<0.001	<0.001	<0.001
MW - 15	08/21/07	Not Sampled due to PSH in Well			
MW - 15	11/05/07	<0.001	<0.001	0.0012	<0.001
MW - 15	02/09/08	<0.001	<0.001	0.0063	0.0093
MW - 15	05/08/08	<0.001	<0.001	<0.001	<0.001
MW - 15	08/13/08	<0.001	<0.001	<0.001	<0.001
MW - 15	11/06/08	<0.001	<0.001	<0.001	<0.001
MW - 15	02/05/09	<0.001	<0.001	<0.001	<0.001
MW - 15	05/08/09	<0.001	<0.001	<0.001	<0.001
MW - 15	08/05/09	<0.001	<0.001	<0.001	<0.001
MW - 15	11/16/09	<0.001	<0.001	<0.001	<0.001
MW - 15	02/08/10	<0.001	<0.001	<0.001	<0.001

TABLE 5

HISTROICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 15	05/11/10	<0.001	<0.001	<0.001	<0.001
MW - 15	08/10/10	<0.001	<0.001	<0.001	<0.001
MW - 15	11/09/10	<0.001	<0.001	<0.001	<0.001
MW - 15	02/15/11	<0.001	<0.001	<0.001	<0.001
MW - 15	05/05/11	<0.001	<0.001	<0.001	<0.001
MW - 15	08/04/11	<0.001	<0.001	<0.001	<0.001
MW - 15	11/21/11	<0.001	<0.001	<0.001	<0.001
MW - 15	02/13/12	<0.001	<0.001	<0.001	<0.001
MW - 15	05/29/12	<0.001	<0.001	<0.001	<0.001
MW - 15	08/10/12	<0.001	<0.001	<0.001	<0.003
MW - 15	11/06/12	<0.001	<0.001	<0.001	<0.001
MW - 15	02/06/13	<0.001	<0.001	<0.001	<0.001
MW - 15	05/08/13	<0.001	<0.001	<0.001	<0.001
MW - 15	08/01/13	<0.001	<0.001	<0.001	<0.001
MW - 15	11/05/13	<0.001	<0.001	<0.001	<0.001
MW - 15	02/26/14	<0.00100	<0.00100	<0.00100	<0.00300
MW - 15	05/12/14	<0.00100	<0.00100	<0.00100	<0.00300
MW - 15	08/11/14	<0.00100	<0.00100	<0.00100	<0.00100
MW - 15	11/15/14	0.00430	<0.00100	0.0144	<0.00100
MW - 15	02/18/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 15	05/28/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 15	08/20/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 15	11/30/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 15	02/25/16	<0.00100	<0.00100	<0.00100	<0.00100
MW - 15	06/02/16	<0.00100	<0.00100	<0.00100	<0.00100
MW - 15	09/12/16	<0.00100	<0.00100	0.00140	0.00270
MW - 15	12/01/16	<0.00200	<0.00200	<0.00200	<0.00200
MW - 15	02/23/17	<0.00200	<0.00200	<0.00200	<0.00200
MW - 15	05/04/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 15	08/23/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 15	11/29/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 15	02/28/18	<0.00200	<0.00200	<0.00200	<0.00400
MW - 15	05/24/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 15	08/21/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 15	12/05/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 15	02/25/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 15	05/22/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 15	08/21/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 15	12/10/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 15	02/25/20	<0.00100	<0.00100	<0.00100	<0.00200
MW - 15	06/03/20	<0.00100	<0.00500	<0.00100	<0.00500
MW - 15	09/22/20	<0.00100	<0.00100	<0.00100	<0.00200
MW - 15	11/13/20	<0.00100	<0.00100	<0.00100	<0.00200
MW - 15	03/26/21	<0.00100	<0.00100	<0.00100	<0.00200
MW - 15	05/14/21	<0.00100	<0.00100	<0.00100	<0.00200

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 15	09/08/21	NS	-	-	-
MW - 15	12/08/21	NS	-	-	-
MW - 15	03/16/22	NS	-	-	-
MW - 15	05/19/22	NS	-	-	-
MW - 15	09/07/22	<0.00100	<0.00100	<0.00100	<0.00200
MW - 15	11/30/22	NS	-	-	-
MW - 15	02/16/23	NS	-	-	-
MW - 15	05/04/23	NS	-	-	-
MW - 15	09/13/23	NS	-	-	-
MW - 15	12/04/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 15	03/19/24	NS	-	-	-
MW - 15	06/04/24	NS	-	-	-
MW - 15	09/26/24	NS	-	-	-
MW - 15	11/07/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 16	12/10/04	<0.001	<0.001	<0.001	<0.001
MW - 16	03/09/05	<0.001	<0.001	<0.001	<0.001
MW - 16	06/09/05	<0.001	<0.001	<0.001	<0.001
MW - 16	09/08/05	<0.001	<0.001	<0.001	<0.001
MW - 16	12/01/05	<0.001	<0.001	<0.001	<0.001
MW - 16	03/07/06	<0.001	<0.001	<0.001	<0.001
MW - 16	06/06/06	<0.005	<0.005	<0.005	<0.005
MW - 16	09/15/06	<0.001	<0.001	<0.001	<0.001
MW - 16	11/21/06	<0.001	<0.001	<0.001	<0.001
MW - 16	02/23/07	<0.001	<0.001	<0.001	<0.001
MW - 16	05/18/07	<0.001	<0.001	<0.001	<0.001
MW - 16	08/21/07	<0.001	<0.001	<0.001	<0.001
MW - 16	11/05/07	<0.001	<0.001	<0.001	<0.001
MW - 16	02/08/08	<0.001	<0.001	<0.001	<0.001
MW - 16	05/09/08	<0.001	<0.001	<0.001	<0.001
MW - 16	08/13/08	<0.001	<0.001	<0.001	<0.001
MW - 16	11/06/08	<0.001	<0.001	<0.001	<0.001
MW - 16	02/04/09	<0.001	<0.001	<0.001	<0.001
MW - 16	05/08/09	<0.001	<0.001	<0.001	<0.001
MW - 16	08/05/09	<0.001	<0.001	<0.001	<0.001
MW - 16	11/16/09	<0.001	<0.001	<0.001	<0.001
MW - 16	02/08/10	Not Sampled on Current Sample Schedule			
MW - 16	05/11/10	Not Sampled on Current Sample Schedule			
MW - 16	08/10/10	Not Sampled on Current Sample Schedule			
MW - 16	11/09/10	<0.001	<0.001	<0.001	<0.001
MW - 16	02/15/11	Not Sampled on Current Sample Schedule			
MW - 16	05/05/11	Not Sampled on Current Sample Schedule			
MW - 16	08/04/11	Not Sampled on Current Sample Schedule			
MW - 16	11/21/11	<0.001	<0.001	<0.001	<0.001
MW - 16	02/13/12	Not Sampled on Current Sample Schedule			

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 16	05/29/12	Not Sampled on Current Sample Schedule			
MW - 16	08/10/12	Not Sampled on Current Sample Schedule			
MW - 16	11/06/12	<0.001	<0.001	<0.001	<0.001
MW - 16	02/06/13	Not Sampled on Current Sample Schedule			
MW - 16	05/08/13	Not Sampled on Current Sample Schedule			
MW - 16	08/01/13	Not Sampled on Current Sample Schedule			
MW - 16	11/05/13	<0.001	<0.001	<0.001	<0.001
MW - 16	02/26/14	Not Sampled on Current Sample Schedule			
MW - 16	05/12/14	Not Sampled on Current Sample Schedule			
MW - 16	08/11/14	Not Sampled on Current Sample Schedule			
MW - 16	11/15/14	<0.00100	<0.00100	<0.00100	<0.00100
MW - 16	02/18/15	Not Sampled on Current Sample Schedule			
MW - 16	05/28/15	Not Sampled on Current Sample Schedule			
MW - 16	08/20/15	Not Sampled on Current Sample Schedule			
MW - 16	11/30/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 16	02/25/16	Not Sampled on Current Sample Schedule			
MW - 16	06/02/16	Not Sampled on Current Sample Schedule			
MW - 16	09/12/16	Not Sampled on Current Sample Schedule			
MW - 16	12/01/16	<0.00200	<0.00200	<0.00200	<0.00200
MW - 16	02/23/17	Not Sampled on Current Sample Schedule			
MW - 16	05/04/17	Not Sampled on Current Sample Schedule			
MW - 16	08/23/17	Not Sampled on Current Sample Schedule			
MW - 16	11/29/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 16	02/28/18	Not Sampled on Current Sample Schedule			
MW - 16	05/24/18	Not Sampled on Current Sample Schedule			
MW - 16	08/21/18	Not Sampled on Current Sample Schedule			
MW - 16	12/05/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 16	02/25/19	Not Sampled on Current Sample Schedule			
MW - 16	05/22/19	Not Sampled on Current Sample Schedule			
MW - 16	08/21/19	Not Sampled on Current Sample Schedule			
MW - 16	12/10/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 16	02/25/20	NS	-	-	-
MW - 16	06/02/20	NS	-	-	-
MW - 16	09/21/20	NS	-	-	-
MW - 16	11/13/20	<0.00100	<0.00100	<0.00100	<0.00200
MW - 16	03/26/21	NS	-	-	-
MW - 16	05/14/21	NS	-	-	-
MW - 16	09/08/21	NS	-	-	-
MW - 16	12/08/21	<0.00100	<0.00100	<0.00100	<0.00200
MW - 16	03/16/22	NS	-	-	-
MW - 16	05/19/22	NS	-	-	-
MW - 16	09/06/22	NS	-	-	-
MW - 16	12/02/22	DRY	-	-	-
MW - 16	02/16/23	NS	-	-	-
MW - 16	05/04/23	NS	-	-	-

TABLE 5

HISTROICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 16	09/13/23	NS	-	-	-
MW - 16	12/05/23	DRY	-	-	-
MW - 16	03/19/24	DRY	-	-	-
MW - 16	06/04/24	DRY	-	-	-
MW - 16	09/26/24	DRY	-	-	-
MW - 16	11/06/24	DRY	-	-	-
MW - 17	12/10/04	<0.005	<0.005	<0.005	<0.005
MW - 17	03/09/05	<0.001	<0.001	<0.001	<0.001
MW - 17	09/08/05	NS	-	-	-
MW - 17	06/09/05	<0.005	<0.005	<0.005	<0.005
MW - 17	12/01/05	<0.001	<0.001	<0.001	<0.001
MW - 17	03/07/06	<0.001	<0.001	<0.001	<0.001
MW - 17	06/06/06	<0.005	<0.005	<0.005	<0.005
MW - 17	09/15/06	<0.001	<0.001	<0.001	<0.001
MW - 17	11/21/06	<0.001	<0.001	<0.001	<0.001
MW - 17	02/23/07	<0.001	<0.001	<0.001	<0.001
MW - 17	05/18/07	<0.001	<0.001	<0.001	<0.001
MW - 17	08/21/07	<0.001	<0.001	<0.001	<0.001
MW - 17	11/05/07	<0.001	<0.001	<0.001	<0.001
MW - 17	02/08/08	<0.001	<0.001	<0.001	<0.001
MW - 17	05/09/08	<0.001	<0.001	<0.001	<0.001
MW - 17	08/13/08	<0.001	<0.001	<0.001	<0.001
MW - 17	11/06/08	<0.001	<0.001	<0.001	<0.001
MW - 17	02/04/09	<0.001	<0.001	<0.001	<0.001
MW - 17	05/08/09	<0.001	<0.001	<0.001	<0.001
MW - 17	08/05/09	<0.001	<0.001	<0.001	<0.001
MW - 17	11/16/09	<0.001	<0.001	<0.001	<0.001
MW - 17	02/08/10	<0.001	<0.001	<0.001	<0.001
MW - 17	05/11/10	<0.001	<0.001	<0.001	<0.001
MW - 17	08/10/10	<0.001	<0.001	<0.001	<0.001
MW - 17	11/09/10	<0.001	<0.001	<0.001	<0.001
MW - 17	02/15/11	<0.001	<0.001	<0.001	<0.001
MW - 17	05/05/11	<0.001	<0.001	<0.001	<0.001
MW - 17	08/04/11	<0.001	<0.001	<0.001	<0.001
MW - 17	11/21/11	<0.001	<0.001	<0.001	<0.001
MW - 17	02/13/12	<0.001	<0.001	<0.001	<0.001
MW - 17	05/29/12	<0.001	<0.001	<0.001	<0.001
MW - 17	08/10/12	<0.001	<0.001	<0.001	<0.003
MW - 17	11/06/12	<0.001	<0.001	<0.001	<0.001
MW - 17	02/06/13	<0.001	<0.001	<0.001	<0.001
MW - 17	05/08/13	<0.001	<0.001	<0.001	<0.001
MW - 17	08/01/13	<0.001	<0.001	<0.001	<0.001
MW - 17	11/05/13	<0.001	<0.001	<0.001	<0.001
MW - 17	02/26/14	<0.00100	<0.00100	<0.00100	<0.00300

TABLE 5

HISTROICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 17	05/12/14	<0.00100	<0.00100	<0.00100	<0.00300
MW - 17	08/11/14	<0.00100	<0.00100	<0.00100	<0.00100
MW - 17	11/15/14	<0.00100	<0.00100	<0.00100	<0.00100
MW - 17	02/18/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 17	05/28/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 17	08/20/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 17	11/30/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 17	02/25/16	<0.00100	<0.00100	<0.00100	<0.00100
MW - 17	06/02/16	<0.00100	<0.00100	<0.00100	<0.00100
MW - 17	09/12/16	<0.00100	<0.00100	<0.00100	<0.00100
MW - 17	12/01/16	<0.00200	<0.00200	<0.00200	<0.00200
MW - 17	02/23/17	<0.00200	<0.00200	<0.00200	<0.00200
MW - 17	05/04/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 17	08/23/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 17	11/29/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 17	02/28/18	<0.00200	<0.00200	<0.00200	<0.00400
MW - 17	05/24/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 17	08/21/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 17	12/05/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 17	02/25/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 17	05/22/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 17	08/21/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 17	12/10/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 17	02/25/20	<0.00100	<0.00100	<0.00100	<0.00200
MW - 17	06/02/20	<0.00100	<0.00500	<0.00100	<0.00500
MW - 17	09/22/20	<0.00100	<0.00100	<0.00100	<0.00200
MW - 17	11/13/20	<0.00100	<0.00100	<0.00100	<0.00200
MW - 17	03/26/21	<0.00100	<0.00100	<0.00100	<0.00200
MW - 17	05/14/21	<0.00100	<0.00100	<0.00100	<0.00200
MW - 17	09/08/21	NS	-	-	-
MW - 17	12/13/21	<0.00100	<0.00100	<0.00100	<0.00200
MW - 17	03/16/22	<0.00100	<0.00100	<0.00100	<0.00200
MW - 17	05/19/22	<0.00100	<0.00100	<0.00100	<0.00200
MW - 17	09/06/22	<0.00100	<0.00100	<0.00100	<0.00200
MW - 17	12/01/22	<0.00100	<0.00100	<0.00100	<0.00200
MW - 17	02/16/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 17	05/04/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 17	09/14/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 17	12/05/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 17	03/19/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 17	06/04/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 17	09/26/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 17	11/06/24	<0.00100	<0.00100	<0.00100	<0.00200
RW - 1	05/15/03	1.130	<0.001	0.2930	0.0490

TABLE 5

HISTROICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
RW - 1	11/24/03	3.680	0.001	1.6000	0.0470
RW - 1	02/18/04	1.320	0.001	0.6680	0.0290
RW - 1	05/12/04	1.500	0.00272	0.8500	0.0414
RW - 1	08/25/04	0.980	0.0287	0.3410	0.1812
RW - 1	12/08/04	0.680	<0.002	0.2100	<0.002
RW - 1	03/09/05	0.419	<0.005	0.1190	<0.005
RW - 1	06/09/05	2.390	0.437	1.0200	0.612
RW - 1	09/08/05	PSH	-	-	-
RW - 1	12/01/05	2.160	0.212	1.0000	0.713
RW - 1	03/07/06	2.980	<0.2	1.0200	1.05
RW - 1	06/06/06	3.750	0.0239	1.1200	0.473
RW - 1	09/15/06	1.820	<0.02	0.4370	0.837
RW - 1	11/21/06	2.050	<0.02	0.8310	0.503
RW - 1	02/23/07	2.020	<0.2	0.6390	0.502
RW - 1	05/18/07	1.720	<0.05	0.6850	1.04
RW - 1	08/21/07	2.580	<0.05	1.4300	<0.2
RW - 1	11/07/07	1.580	<0.2	<0.2	0.249
RW - 1	02/09/08	0.815	<0.020	0.4940	0.135
RW - 1	05/09/08	0.340	<0.01	0.1790	0.0082
RW - 1	08/13/08	0.0126	<0.005	<0.005	0.164
RW - 1	11/06/08	1.060	0.0431	0.3800	0.092
RW - 1	02/05/09	0.505	0.0065	0.2680	0.120
RW - 1	05/08/09	0.823	<0.005	0.4160	0.096
RW - 1	08/05/09	0.792	0.0190	0.1880	<0.005
RW - 1	11/16/09	0.512	<0.005	0.0176	0.03
RW - 1	02/08/10	0.543	<0.005	0.0412	<0.005
RW - 1	05/11/10	0.426	<0.005	0.0202	<0.001
RW - 1	08/10/10	0.580	<0.001	<0.001	0.0966
RW - 1	11/09/10	0.550	0.0355	0.0679	0.202
RW - 1	02/15/11	0.434	<0.0100	<0.0100	<0.005
RW - 1	05/05/11	0.434	<0.005	<0.005	<0.005
RW - 1	08/04/11	0.428	<0.005	<0.005	0.0035
RW - 1	11/21/11	0.174	<0.001	0.0047	0.0121
RW - 1	02/13/12	0.166	<0.001	0.0203	0.0097
RW - 1	05/29/12	0.138	<0.001	0.0055	0.0272
RW - 1	08/10/12	0.068	<0.001	0.0244	0.0138
RW - 1	11/06/12	0.103	<0.001	0.0199	<0.005
RW - 1	02/06/13	0.111	<0.005	<0.005	<.00100
RW - 1	05/08/13	0.0517	<.00100	<.00100	<.00100
RW - 1	08/01/13	<0.00100	<.00100	<.00100	0.0166
RW - 1	11/05/13	0.2080	<.00100	0.0266	<0.150
RW - 1	02/26/14	0.424	<0.0500	<0.0500	<0.150
RW - 1	05/12/14	0.398	<0.0500	<0.0500	<0.00100
RW - 1	08/11/14	0.163	<0.00100	<0.00100	0.429
RW - 1	11/15/14	0.998	<0.00100	0.227	0.0957

TABLE 5

HISTROICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
RW - 1	02/18/15	0.619	<0.0500	0.110	<0.0500
RW - 1	05/28/15	0.526	<0.0500	0.0920	<0.0500
RW - 1	08/20/15	0.313	<0.0500	0.0551	0.00380
RW - 1	11/30/15	0.268	<0.00100	0.0303	<0.00100
RW - 1	02/25/16	0.225	<0.00100	0.0380	0.00210
RW - 1	06/02/16	0.145	<0.00100	0.0106	
RW - 1	09/12/16	0.120	<0.00100	0.0341	0.0229
RW - 1	12/01/16	0.200	<0.00200	0.0121	0.0413
RW - 1	02/23/17	0.347	<0.00200	0.0301	0.0137
RW - 1	05/04/17	0.361	<0.00200	0.0235	0.00262
RW - 1	08/24/17	<0.00200	<0.00200	<0.00200	<0.00400
RW - 1	09/01/17	0.210	<0.00100	0.00660	0.0104
RW - 1	11/29/17	0.160	0.00204	0.00548	0.00249
RW - 1	02/28/18	0.0449	0.00217	0.0157	0.00846
RW - 1	05/24/18	0.0452	<0.0100	<0.00500	<0.0200
RW - 1	08/21/18	0.00878	<0.0100	<0.00500	<0.0200
RW - 1	12/05/18	0.0180	<0.0100	<0.00500	<0.0200
RW - 1	02/25/19	0.0514	<0.00100	0.00402	<0.00200
RW - 1	05/22/19	<0.00100	<0.00100	<0.00100	<0.00200
RW - 1	08/21/19	0.0266	<0.00100	0.00212	0.00309
RW - 1	12/10/19	0.0285	<0.00100	0.00578	0.00627
RW - 1	02/25/20	0.0142	<0.00100	0.00188	<0.00200
RW - 1	06/03/20	0.00769	<0.00500	<0.00100	<0.00500
RW - 1	09/22/20	0.00440	0.00154	<0.00100	0.00293
RW - 1	11/13/20	0.0275	0.00144	<0.00100	<0.00200
RW - 1	03/26/21	0.0574	0.00160	0.00330	0.00750
RW - 1	05/14/21	0.0732	<0.00100	0.00317	0.00205
RW - 1	09/08/21	0.0516	0.00264	0.00342	0.00282
RW - 1	12/21/21	0.0458	<0.00100	0.00586	<0.00100
RW - 1	03/16/22	0.0183	0.00183	0.00511	<0.00200
RW - 1	05/19/22	0.00944	0.00175	0.00363	0.00735
RW - 1	09/07/22	0.00122	<0.00100	<0.00100	0.00297
RW - 1	12/02/22	0.00134	<0.00100	<0.00100	<0.00200
RW - 1	02/15/23	0.00113	<0.00100	0.00444	0.00456
RW - 1	05/04/23	0.00127	<0.00100	0.00152	<0.00200
RW - 1	09/14/23	<0.00100	<0.00100	<0.00100	<0.00200
RW - 1	12/04/23	0.00313	<0.00100	<0.00100	<0.00200
RW - 1	03/19/24	0.00144	<0.00100	<0.00100	<0.00200
RW - 1	06/04/24	<0.00100	<0.00100	<0.00100	<0.00200
RW - 1	09/27/24	<0.00100	<0.00100	<0.00100	<0.00200
RW - 1	11/07/24	0.00756	<0.00100	<0.00100	0.00291
RW - 2	05/15/03	0.8010	<0.001	0.4480	0.0700
RW - 2	11/24/03	0.3020	0.002	0.7240	0.1350
RW - 2	02/18/04	0.1400	<0.001	0.7370	0.1340

TABLE 5

HISTROICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
RW - 2	05/12/04	0.1700	<0.001	0.3790	0.0767
RW - 2	08/25/04	0.1660	<0.001	0.1040	0.0257
RW - 2	12/08/04	0.1220	<0.005	0.0665	<0.005
RW - 2	03/09/05	0.0393	<0.005	0.0190	<0.005
RW - 2	06/09/05	0.1060	<0.005	0.0523	0.0097
RW - 2	09/08/05	NS	-	-	-
RW - 2	12/01/05	0.0787	<0.001	0.0994	0.007
RW - 2	03/07/06	<0.001	<0.001	0.0043	0.007
RW - 2	06/06/06	<0.005	<0.005	<0.005	<0.005
RW - 2	09/15/06	0.1620	0.001	0.1500	0.0514
RW - 2	11/21/06	0.0802	<0.001	0.0790	0.013
RW - 2	02/23/07	0.0237	<0.001	0.0131	0.0034
RW - 2	05/18/07	<0.001	<0.001	<0.001	0.004
RW - 2	08/21/07	0.1620	<0.001	0.0044	0.0157
RW - 2	11/05/07	<0.001	<0.001	<0.001	<0.001
RW - 2	02/08/08	0.0204	<0.001	<0.001	<0.001
RW - 2	05/09/08	0.1640	<0.001	0.0031	0.0026
RW - 2	08/13/08	<0.001	<0.001	<0.001	<0.001
RW - 2	11/06/08	0.2640	0.0014	0.0204	0.0187
RW - 2	02/05/09	0.0472	<0.001	0.0035	<0.001
RW - 2	05/08/09	0.2600	<0.001	0.0449	0.0424
RW - 2	08/05/09	0.3680	<0.001	0.0387	0.0291
RW - 2	11/16/09	0.2740	<0.005	0.0119	<0.005
RW - 2	02/08/10	0.1180	<0.005	<0.005	<0.005
RW - 2	05/11/10	0.0560	<0.005	0.0487	0.0572
RW - 2	08/10/10	0.0753	<0.001	<0.001	<0.001
RW - 2	11/09/10	0.1200	<0.001	0.0064	0.0105
RW - 2	02/15/11	0.0225	<0.001	<0.001	<0.001
RW - 2	05/05/11	0.0206	<0.001	<0.001	<0.001
RW - 2	08/04/11	0.2330	<0.001	0.0646	0.071
RW - 2	11/21/11	0.0108	<0.005	<0.005	<0.005
RW - 2	02/13/12	0.0179	<0.001	<0.001	<0.001
RW - 2	05/29/12	0.0165	<0.001	0.0143	0.0051
RW - 2	08/10/12	0.0042	<0.001	<0.001	<0.003
RW - 2	11/06/12	0.0065	<0.001	0.0050	<0.001
RW - 2	02/06/13	<0.001	<0.001	<0.001	<0.001
RW - 2	05/08/13	<0.001	<0.001	<0.001	<0.001
RW - 2	08/01/13	<0.001	<0.001	<0.001	<0.001
RW - 2	11/05/13	0.0088	<0.001	<0.001	<0.001
RW - 2	02/26/14	0.00180	<0.00100	<0.00100	<0.00300
RW - 2	05/12/14	0.00290	<0.00100	<0.00100	<0.00300
RW - 2	08/11/14	<0.00100	<0.00100	<0.00100	<0.00100
RW - 2	11/15/14	0.0290	<0.00100	<0.00100	<0.00100
RW - 2	02/18/15	0.00120	<0.00100	<0.00100	<0.00100
RW - 2	05/28/15	<0.00100	<0.00100	<0.00100	<0.00100

TABLE 5

HISTROICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
RW - 2	08/20/15	<0.00100	<0.00100	<0.00100	<0.00100
RW - 2	11/30/15	<0.00100	<0.00100	<0.00100	<0.00100
RW - 2	02/25/16	<0.00100	<0.00100	<0.00100	<0.00100
RW - 2	06/02/16	<0.00100	<0.00100	<0.00100	<0.00100
RW - 2	09/12/16	<0.00100	<0.00100	<0.00100	<0.00100
RW - 2	12/02/16	<0.00200	<0.00200	<0.00200	<0.00200
RW - 2	02/23/17	<0.00200	<0.00200	<0.00200	<0.00200
RW - 2	05/04/17	<0.00200	<0.00200	<0.00200	<0.00400
RW - 2	08/23/17	<0.00200	<0.00200	<0.00200	<0.00400
RW - 2	11/29/17	<0.00200	<0.00200	<0.00200	<0.00400
RW - 2	02/28/18	<0.00200	<0.00200	<0.00200	<0.00400
RW - 2	05/24/18	<0.00100	<0.0100	<0.00500	<0.0200
RW - 2	08/21/18	<0.00100	<0.0100	<0.00500	<0.0200
RW - 2	12/05/18	<0.00100	<0.0100	<0.00500	<0.0200
RW - 2	02/25/19	<0.00100	<0.00100	<0.00100	<0.00200
RW - 2	05/22/19	<0.00100	<0.00100	<0.00100	<0.00200
RW - 2	08/21/19	<0.00100	<0.00100	<0.00100	<0.00200
RW - 2	12/10/19	<0.00100	<0.00100	<0.00100	<0.00200
RW - 2	02/25/20	<0.00100	<0.00100	<0.00100	<0.00200
RW - 2	06/03/20	<0.00100	<0.00500	<0.00100	<0.00500
RW - 2	09/22/20	<0.00100	<0.00100	<0.00100	<0.00200
RW - 2	11/13/20	<0.00100	<0.00100	<0.00100	<0.00200
RW - 2	03/26/21	<0.00100	<0.00100	<0.00100	<0.00200
RW - 2	05/14/21	<0.00100	<0.00100	<0.00100	<0.00200
RW - 2	09/08/21	<0.00100	<0.00100	<0.00100	<0.00200
RW - 2	12/13/21	<0.00100	<0.00100	<0.00100	<0.00200
RW - 2	03/16/22	<0.00100	<0.00100	<0.00100	<0.00200
RW - 2	05/19/22	<0.00100	<0.00100	<0.00100	<0.00200
RW - 2	09/07/22	<0.00100	<0.00100	<0.00100	<0.00200
RW - 2	12/01/22	<0.00100	<0.00100	<0.00100	<0.00200
RW - 2	02/16/23	<0.00100	<0.00100	<0.00100	<0.00200
RW - 2	05/04/23	<0.00100	<0.00100	<0.00100	<0.00200
RW - 2	09/14/23	<0.00100	<0.00100	<0.00100	<0.00200
RW - 2	12/05/23	<0.00100	<0.00100	<0.00100	<0.00200
RW - 2	03/19/24	<0.00100	<0.00100	<0.00100	<0.00200
RW - 2	06/04/24	0.0119	0.00370	0.00327	0.00947
RW - 2	09/26/24	<0.00100	<0.00100	<0.00100	<0.00200
RW - 2	11/06/24	<0.00100	<0.00100	<0.00100	<0.00200
EB - 1	09/11/00	<0.001	<0.001	<0.001	<0.001
	12/11/00	<0.001	<0.001	<0.001	<0.001
	03/19/01	<0.001	<0.001	<0.001	<0.001
	05/30/01	<0.001	<0.001	<0.001	<0.001
	11/20/01	<0.001	<0.001	<0.001	<0.001
	02/20/02	<0.001	<0.001	<0.001	<0.001

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
	06/25/02	<0.001	<0.001	<0.001	<0.001
	09/17/02	<0.001	<0.001	<0.001	<0.001
	11/20/02	<0.001	<0.001	<0.001	<0.001
	01/10/03	<0.001	<0.001	<0.001	<0.001

Notes:

1. Benzene, toluene, ethylbenzene, and total xylenes (BTEX) analysis by Environmental Protection Agency (EPA) Method SW846-8021B.
2. All reported concentrations are reported as milligrams per liter (mg/L).
3. Bold font indicates laboratory results exceeding NMWQCC Human Health Standards.
4. < - Not detected above the Sample Detection Limit.
5. NS - Not sampled.
6. ' - No data available for corresponding date.
7. PSH - Phase Separated Hydrocarbons.
8. P&A - Plugged and abandoned.

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
HDO-90-23
SRS NO. HDO 90-23
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109726199

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	11/06/08	<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	0.0227	<0.000922	0.0729	0.139	0.11	0.0175
MW-2	11/16/09	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	0.0112	<0.000922	0.0182	<0.000922	0.0480	0.123	0.0744	0.0128
MW-2	11/09/10	PSH.																		
MW-2	12/16/11	PSH.																		
MW-2	11/06/12	PSH.																		
MW-2	11/05/13	PSH.																		
MW-2	11/15/14	PSH.																		
MW-2	11/30/15	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	6.31	21.7	7.39	0.219
MW-2	12/02/16	0.00120	0.00230	0.00105	<0.000287	<0.000287	0.000394	<0.000287	<0.000287	0.00157	<0.000287	0.000628	<0.000287	<0.000287	<0.000287	0.000670	0.0125			<0.000287
MW-2	11/29/17	NS																		
MW-2	12/05/18	0.00068	0.00094	0.0026	0.0018	<0.00010	<0.00010	<0.00010	<0.00010	0.00040	<0.00010	0.00070	0.0062	<0.00010	0.044	<0.00010	0.49			0.0061
MW-2	12/10/19	<0.00097	0.013	0.0080	<0.00097	<0.00097	<0.00097	<0.00097	<0.00097	0.015	<0.00097	0.0054	0.068	<0.00097	0.29	0.0053	3.02			0.16
MW-2	11/13/20	PSH.																		
MW-2	12/13/21	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	0.085			<0.000099
MW-2	12/02/22	0.00091	0.0014	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	0.00099	<0.00011	<0.00011	0.0073	<0.00011	0.0054	<0.00011	0.087			-
MW-2	12/05/23	0.0014	0.0026	0.0016	0.0012	<0.0010	<0.0010	<0.0010	<0.0010	0.0020	<0.0010	0.0012	0.0087	<0.0010	0.012	0.0019	0.143			-
MW-2	11/05/24	PSH																		
MW-3	11/06/08	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	0.00202	<0.000183	0.00152	<0.000183	<0.000183	0.0203	<0.000183	0.0032
MW-3	11/16/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	0.000825	<0.000183	<0.000183	<0.000183	<0.000183	0.00209
MW-3	11/09/10	NS																		
MW-3	12/16/11	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.001
MW-3	11/06/12	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	0.00253
MW-3	11/05/13	NS																		
MW-3	11/15/14	NS																		
MW-3	11/30/15	NS																		
MW-3	12/01/16	NS																		
MW-3	11/29/17	NS																		
MW-3	12/05/18	NS																		
MW-3	12/10/19	NS																		
MW-3	11/13/20	NS																		
MW-3	12/13/21	NS																		
MW-3	12/01/22	NS																		
MW-3	12/05/23	NS																		

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
HDO-90-23
SRS NO. HDO 90-23
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109726199

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																	
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenzo[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene
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-3	11/05/24	NS																	
MW-4	11/11/08	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
MW-4	11/16/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
MW-4	11/09/10	NS																	
MW-4	12/16/11	NS																	
MW-4	11/06/12	NS																	
MW-4	11/05/13	NS																	
MW-4	12/18/14	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
MW-4	11/30/15	NS																	
MW-4	12/01/16	NS																	
MW-4	11/29/17	NS																	
MW-4	12/05/18	NS																	
MW-4	12/10/19	NS																	
MW-4	11/13/20	NS																	
MW-4	12/08/21	NS																	
MW-4	12/01/22	NS																	
MW-4	12/05/23	NS																	
MW-4	11/05/24	NS																	
MW-5	11/11/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
MW-5	11/16/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
MW-5	11/09/10	NS																	
MW-5	12/16/11	NS																	
MW-5	11/06/12	NS																	
MW-5	11/05/13	NS																	
MW-5	11/15/14	NS																	
MW-5	11/30/15	NS																	
MW-5	12/01/16	NS																	
MW-5	11/29/17	NS																	
MW-5	12/05/18	NS																	
MW-5	12/10/19	NS																	
MW-5	11/13/20	NS																	
MW-5	12/08/21	NS																	

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
HDO-90-23
SRS NO. HDO 90-23
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109726199

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-5	12/01/22	NS																		
MW-5	12/05/23	NS																		
MW-5	11/05/24	NS																		
MW-6	11/06/08	<0.0188	<0.0188	<0.0188	<0.0188	<0.0188	<0.0188	<0.0188	<0.0188	<0.0188	<0.0188	0.072	<0.0188	0.102	<0.0188	0.238	0.532	0.5	0.0833	
MW-6	11/16/09	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	0.0083	<0.000917	<0.000917	0.0124	<0.000917	0.0599	0.118	0.0957	0.0102
MW-6	11/09/10	PSH.																		
MW-6	12/16/11	PSH.																		
MW-6	11/06/12	PSH.																		
MW-6	11/05/13	PSH.																		
MW-6	11/15/14	PSH.																		
MW-6	11/30/15	PSH.																		
MW-6	12/01/16	PSH.																		
MW-6	11/29/17	PSH.																		
MW-6	12/05/18	PSH.																		
MW-6	12/10/19	PSH.																		
MW-6	11/13/20	PSH.																		
MW-6	12/13/21	0.00080	0.00014	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.00097	<0.00010	0.0011	<0.00010	0.0206		0.0012	
MW-6	12/01/22	0.00057	0.0025	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.0030	<0.00010	0.0015	0.019	<0.00010	0.024	<0.00010	0.406		-	
MW-6	12/05/23	<0.00010	0.0013	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.0068	<0.00010	0.011	<0.00010	0.149		-	
MW-6	11/05/24	PSH.																		
MW-8	11/06/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	
MW-8	11/16/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	
MW-8	11/09/10	NS																		
MW-8	12/16/11	NS																		
MW-8	11/06/12	NS																		
MW-8	11/05/13	NS																		
MW-8	11/15/14	NS																		
MW-8	11/30/15	NS																		
MW-8	12/01/16	NS																		
MW-8	11/29/17	NS																		
MW-8	12/05/18	NS																		
MW-8	12/10/19	NS																		

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO-90-23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenzo[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		---	---	0.001 mg/L	0.0001 mg/L	0.0007 mg/L	0.001 mg/L	---	0.001 mg/L	0.0002 mg/L	0.0003 mg/L	0.001 mg/L	0.001 mg/L	0.0004 mg/L	0.001 mg/L	0.001 mg/L	0.03 mg/L		---	
MW-8	11/13/20	NS																		
MW-8	12/08/21	NS																		
MW-8	12/01/22	NS																		
MW-8	12/05/23	NS																		
MW-8	11/05/24	NS																		
MW-9	11/06/08	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	
MW-9	11/16/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	
MW-9	11/09/10	NS																		
MW-9	12/16/11	NS																		
MW-9	11/06/12	NS																		
MW-9	11/05/13	NS																		
MW-9	11/15/14	NS																		
MW-9	11/30/15	NS																		
MW-9	12/01/16	NS																		
MW-9	11/29/17	NS																		
MW-9	12/05/18	NS																		
MW-9	12/10/19	NS																		
MW-9	11/13/20	NS																		
MW-9	12/13/21	NS																		
MW-9	12/01/22	NS																		
MW-9	12/05/23	NS																		
MW-9	11/05/24	NS																		
MW-12	11/06/08	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	
MW-12	11/16/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	
MW-12	11/09/10	NS																		
MW-12	12/16/11	NS																		
MW-12	11/06/12	NS																		
MW-12	11/05/13	NS																		
MW-12	11/15/14	NS																		
MW-12	11/30/15	NS																		
MW-12	12/01/16	NS																		
MW-12	11/29/17	NS																		

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
HDO-90-23
SRS NO. HDO 90-23
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109726199

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-12	12/05/18	NS																		
MW-12	12/10/19	NS																		
MW-12	11/13/20	NS																		
MW-12	12/08/21	NS																		
MW-12	12/01/22	NS																		
MW-12	12/05/23	NS																		
MW-12	11/05/24	NS																		
MW-13	11/06/08	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	
MW-13	11/16/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	
MW-13	11/09/10	NS																		
MW-13	12/16/11	NS																		
MW-13	11/06/12	NS																		
MW-13	11/05/13	NS																		
MW-13	11/15/14	NS																		
MW-13	11/30/15	NS																		
MW-13	12/01/16	NS																		
MW-13	11/29/17	NS																		
MW-13	12/05/18	NS																		
MW-13	12/10/19	NS																		
MW-13	11/13/20	NS																		
MW-13	12/08/21	NS																		
MW-13	12/01/22	NS																		
MW-13	12/05/23	NS																		
MW-13	11/05/24	NS																		
MW-14	11/06/08	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	0.000703	<0.000186	<0.000186	0.000874	<0.000186	0.00465	<0.000186	0.00638	0.0141	0.00647	0.00458
MW-14	11/16/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	
MW-14	11/09/10	NS																		
MW-14	12/16/11	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.00215	
MW-14	11/06/12	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	
MW-14	11/05/13	NS																		
MW-14	11/15/14	NS																		
MW-14	11/30/15	NS																		

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO-90-23

SRS NO. HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD INCIDENT NO. nAPP2109726199

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		---	---	0.001 mg/L	0.0001 mg/L	0.0007 mg/L	0.001 mg/L	---	0.001 mg/L	0.0002 mg/L	0.0003 mg/L	0.001 mg/L	0.001 mg/L	0.0004 mg/L	0.001 mg/L	0.001 mg/L	0.03 mg/L			---
MW-14	12/01/16	NS																		
MW-14	11/29/17	NS																		
MW-14	12/05/18	NS																		
MW-14	12/10/19	NS																		
MW-14	11/13/20	NS																		
MW-14	12/08/21	NS																		
MW-14	12/01/22	NS																		
MW-14	12/05/23	NS																		
MW-14	11/05/24	NS																		
MW-15	11/06/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.000857	<0.000184	<0.000184	<0.000184	0.00194	0.000615	<0.000184
MW-15	11/16/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	0.000553	<0.000183	0.000870	<0.000183	<0.000183	<0.000183	<0.000183	0.00176
MW-15	11/09/10	NS																		
MW-15	12/16/11	NS																		
MW-15	11/06/12	NS																		
MW-15	11/05/13	NS																		
MW-15	11/15/14	NS																		
MW-15	11/30/15	NS																		
MW-15	12/01/16	NS																		
MW-15	11/29/17	NS																		
MW-15	12/05/18	NS																		
MW-15	12/10/19	NS																		
MW-15	11/13/20	NS																		
MW-15	12/08/21	NS																		
MW-15	12/01/22	NS																		
MW-15	12/05/23	NS																		
MW-15	11/05/24	NS																		
MW-16	11/06/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
MW-16	11/16/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
MW-16	11/09/10	NS																		
MW-16	12/16/11	NS																		
MW-16	11/06/12	NS																		
MW-16	11/05/13	NS																		
MW-16	11/15/14	NS																		

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
HDO-90-23
SRS NO. HDO 90-23
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109726199

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenzo[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		---	---	0.001 mg/L	0.0001 mg/L	0.0007 mg/L	0.001 mg/L	---	0.001 mg/L	0.0002 mg/L	0.0003 mg/L	0.001 mg/L	0.001 mg/L	0.0004 mg/L	0.001 mg/L	0.001 mg/L	0.03 mg/L		---	
MW-16	11/30/15	NS																		
MW-16	12/01/16	NS																		
MW-16	11/29/17	NS																		
MW-16	12/05/18	NS																		
MW-16	12/10/19	NS																		
MW-16	11/13/20	NS																		
MW-16	12/08/21	NS																		
MW-16	12/01/22	NS																		
MW-16	12/05/23	NS																		
MW-16	11/05/24	NS																		
MW-17	11/06/08	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	
MW-17	11/16/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	
MW-17	11/09/10	NS																		
MW-17	12/16/11	NS																		
MW-17	11/06/12	NS																		
MW-17	11/05/13	NS																		
MW-17	11/15/14	NS																		
MW-17	11/30/15	NS																		
MW-17	12/01/16	NS																		
MW-17	11/29/17	NS																		
MW-17	12/05/18	NS																		
MW-17	12/10/19	NS																		
MW-17	11/13/20	NS																		
MW-17	12/13/21	NS																		
MW-17	12/01/22	NS																		
MW-17	12/05/23	NS																		
MW-17	11/05/24	NS																		
RW-1	11/06/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.00079	<0.000184	0.000549	<0.000184	0.0187	0.0136	0.0106	0.00117
RW-1	11/16/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	0.00607	0.00394	0.00125	0.000618
RW-1	11/09/10	NS																		
RW-1	12/16/11	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	0.000419	<0.000183	0.000265	<0.000183	0.000437	0.000184	<0.000183	0.000625
RW-1	11/06/12	NS																		
RW-1	11/05/13	NS																		

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
HDO-90-23
SRS NO. HDO 90-23
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109726199

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		---	---	0.001 mg/L	0.0001 mg/L	0.0007 mg/L	0.001 mg/L	---	0.001 mg/L	0.0002 mg/L	0.0003 mg/L	0.001 mg/L	0.001 mg/L	0.0004 mg/L	0.001 mg/L	0.001 mg/L	0.03 mg/L			---
RW-1	11/15/14	<0.0002200	<0.0002200	<0.0002200	<0.0002200	<0.0002200	<0.0002200	<0.0002200	<0.0002200	<0.0002200	<0.0002200	<0.0002200	<0.0002200	<0.0002200	<0.0002200	<0.0002200	0.00900	0.0268	0.00544	<0.0002200
RW-1	11/30/15	<0.0002200	<0.0002200	<0.0002200	<0.0002200	<0.0002200	<0.0002200	<0.0002200	<0.0002200	<0.0002200	<0.0002200	<0.0002200	<0.0002200	<0.0002200	<0.0002200	<0.0002200	<0.000200	0.267	0.0903	<0.0002200
RW-1	12/02/16	<0.0146	<0.0146	<0.0146	<0.0146	<0.0146	<0.0146	<0.0146	<0.0146	<0.0146	<0.0146	<0.0146	<0.0146	<0.0146	<0.0146	<0.0146	1.44			<0.0146
RW-1	11/29/17	NS																		
RW-1	12/05/18	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	0.00060	<0.000097	0.00024	<0.000097	0.00269			0.00076
RW-1	12/10/19	<0.000098	0.00012	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	0.00056	<0.000098	0.00011	<0.000098	0.0123			0.00096
RW-1	11/13/20	NS																		
RW-1	12/08/21	NS																		
RW-1	12/01/22	NS																		
RW-1	12/05/23	NS																		
RW-1	11/05/24	NS																		
RW-2	11/06/08	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	0.000774	<0.000185	<0.000185
RW-2	11/16/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	
RW-2	11/09/10	NS																		
RW-2	12/16/11	NS																		
RW-2	11/06/12	NS																		
RW-2	11/05/13	NS																		
RW-2	11/15/14	NS																		
RW-2	11/30/15	NS																		
RW-2	12/01/16	NS																		
RW-2	11/29/17	NS																		
RW-2	12/05/18	NS																		
RW-2	12/10/19	NS																		
RW-2	11/13/20	NS																		
RW-2	12/13/21	NS																		
RW-2	12/01/22	NS																		
RW-2	12/05/23	NS																		
RW-2	11/05/24	NS																		

Notes:

1. Polynuclear Aromatic Hydrocarbon (PAH) analysis by Environmental Protection Agency (EPA) Method SW846-8270C, 3510.
2. All reported concentrations are reported as milligrams per liter (mg/L).
3. Bold font indicates laboratory results exceeding NMWQCC Drinking Water Standards.

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
HDO-90-23
SRS NO. HDO 90-23
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109726199

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenzo[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene
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	
																		Dibenzoofuran

4. < - Not detected above the Sample Detection Limit.

5 NS - Not sampled.

6. PSH - Phase Separated Hydrocarbons.

7. P&A - Plugged and abandoned.

Table 7

GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis							
Evaluation Date: 4-Feb-25		Job ID: 014181					
Facility Name: HDO		Constituent: Benzene					
Conducted By: TRC		Concentration Units: mg/L					
Sampling Point ID:		MW-2	MW-3	MW-6	MW-9	MW-17	RW-2
Sampling Event	Sampling Date	BENZENE CONCENTRATION (mg/L)					
1	16-Feb-23	0.0745	0.0136	0.497	0.001	0.001	0.001
2	4-May-23	0.0428	0.0021	0.245	0.001	0.001	0.001
3	14-Sep-23	0.0202	0.001	0.202	0.001	0.001	0.001
4	5-Dec-23	0.395	0.001	0.211	0.001	0.001	0.001
5	19-Mar-24	0.0527	0.001	0.305	0.001	0.001	0.001
6	4-Jun-24	0.001	0.001	0.251	0.001	0.001	0.0119
7	26-Sep-24	0.0341	0.001	0.267	0.001	0.001	0.001
8	11-Nov-24	0.0256	0.001	0.232	0.001	0.001	0.001
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
Coefficient of Variation:		1.60	1.63	0.34	0.00	0.00	1.63
Mann-Kendall Statistic (S):		-10	-13	-2	0	0	3
Confidence Factor:		86.2%	92.9%	54.8%	45.2%	45.2%	59.4%
Concentration Trend:		No Trend	Prob. Decreasing	Stable	Stable	Stable	No Trend

Concentration (mg/L)

1

0.1

0.01

0.001

12/22

03/23

06/23

10/23

01/24

04/24

07/24

11/24

02/25

MW-2

MW-3

MW-6

MW-9

MW-17

RW-2

Sampling Date

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.

4.

Red values are the reporting limit and are non-detect results.

5.

The results for MW-2 and RW-2 during June 2024 are based as reported by the laboratory. Based upon the data sets, the reults are suspected to be transposed.

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Table 8

GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis							
Evaluation Date: 4-Feb-25		Job ID: 014181					
Facility Name: HDO		Constituent: Toluene					
Conducted By: TRC		Concentration Units: mg/L					
Sampling Point ID:		MW-2	MW-3	MW-6	MW-9	MW-17	RW-2
Sampling Event	Sampling Date	TOLUENE CONCENTRATION (mg/L)					
1	16-Feb-23	0.00709	0.001	0.0112	0.001	0.001	0.001
2	4-May-23	0.0176	0.001	0.0051	0.001	0.001	0.001
3	14-Sep-23	0.00827	0.001	0.00218	0.001	0.001	0.001
4	5-Dec-23	0.00828	0.001	0.00331	0.001	0.001	0.001
5	19-Mar-24	0.0282	0.001	0.0377	0.001	0.001	0.001
6	4-Jun-24	0.001	0.001	0.00608	0.001	0.001	0.0037
7	26-Sep-24	0.0029	0.001	0.00333	0.001	0.001	0.001
8	11-Nov-24	0.0118	0.001	0.00286	0.001	0.001	0.001
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
Coefficient of Variation:		0.82	0.00	1.33	0.00	0.00	0.71
Mann-Kendall Statistic (S):		0	0	-6	0	0	3
Confidence Factor:		45.2%	45.2%	72.6%	45.2%	45.2%	59.4%
Concentration Trend:		Stable	Stable	No Trend	Stable	Stable	No Trend

Concentration (mg/L)

1

0.1

0.01

0.001

12/22

03/23

06/23

10/23

01/24

04/24

07/24

11/24

02/25

Sampling Date

MW-2

MW-3

MW-6

MW-9

MW-17

RW-2

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.

4.

Red values are the reporting limit and are non-detect results.

5.

The results for MW-2 and RW-2 during June 2024 are based as reported by the laboratory. Based upon the data sets, the results are suspected to be transposed.

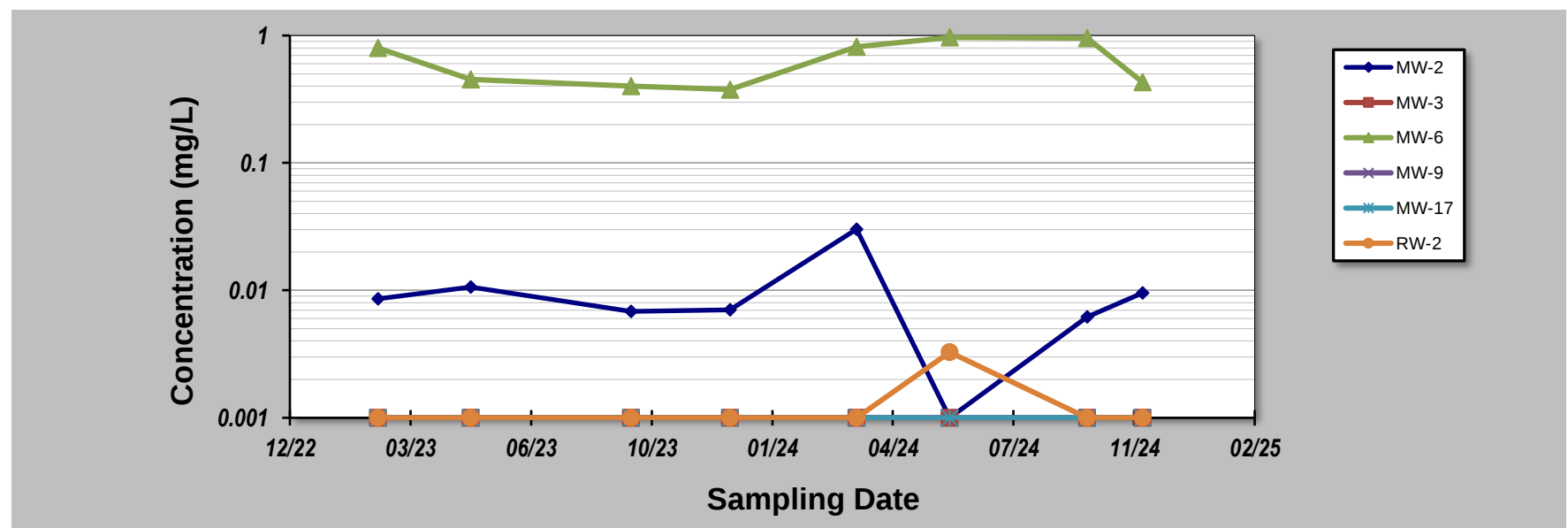
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Table 9

GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis								
Evaluation Date: 4-Feb-25		Job ID: 014181						
Facility Name: HDO		Constituent: Ethylbenzene						
Conducted By: TRC		Concentration Units: mg/L						
Sampling Point ID:		MW-2	MW-3	MW-6	MW-9	MW-17	RW-2	
Sampling Event	Sampling Date	ETHYLBENZENE CONCENTRATION (mg/L)						
1	16-Feb-23	0.00859	0.001	0.8	0.001	0.001	0.001	
2	4-May-23	0.0106	0.001	0.451	0.001	0.001	0.001	
3	14-Sep-23	0.00682	0.001	0.4	0.001	0.001	0.001	
4	5-Dec-23	0.00705	0.001	0.377	0.001	0.001	0.001	
5	19-Mar-24	0.0302	0.001	0.817	0.001	0.001	0.001	
6	4-Jun-24	0.001	0.001	0.966	0.001	0.001	0.00327	
7	26-Sep-24	0.00617	0.001	0.956	0.001	0.001	0.001	
8	11-Nov-24	0.00958	0.001	0.431	0.001	0.001	0.001	
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.87	0.00	0.40	0.00	0.00	0.63	
Mann-Kendall Statistic (S):		-4	0	4	0	0	3	
Confidence Factor:		64.0%	45.2%	64.0%	45.2%	45.2%	59.4%	
Concentration Trend:		Stable	Stable	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; $\geq 90\%$ = Probably Increasing or Probably Decreasing; $< 90\%$ and $S > 0$ = No Trend; $< 90\%$, $S \leq 0$, and $COV \geq 1$ = No Trend; $< 90\%$ and $COV < 1$ = Stable.
 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.
 4. **Red values** are the reporting limit and are non-detect results.
 5. The results for MW-2 and RW-2 during June 2024 are based as reported by the laboratory. Based upon the data sets, the results are suspected to be transposed.
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Table 10

GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis							
Evaluation Date: 4-Feb-25		Job ID: 014181					
Facility Name: HDO		Constituent: Xylenes					
Conducted By: TRC		Concentration Units: mg/L					
Sampling Point ID:		MW-2	MW-3	MW-6	MW-9	MW-17	RW-2
Sampling Event	Sampling Date	XYLENES CONCENTRATION (mg/L)					
1	16-Feb-23	0.0414	0.002	0.709	0.002	0.002	0.002
2	4-May-23	0.0439	0.002	0.339	0.002	0.002	0.002
3	14-Sep-23	0.03554	0.002	0.3376	0.002	0.002	0.002
4	5-Dec-23	0.02784	0.002	0.2775	0.002	0.002	0.002
5	19-Mar-24	0.1062	0.001	0.825	0.001	0.001	0.001
6	4-Jun-24	0.001	0.001	0.5096	0.001	0.001	0.00947
7	26-Sep-24	0.0095	0.001	0.7253	0.001	0.001	0.001
8	11-Nov-24	0.0389	0.001	0.3316	0.002	0.002	0.002
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
Coefficient of Variation:		0.83	0.36	0.43	0.32	0.32	1.04
Mann-Kendall Statistic (S):		-8	-16	-2	-9	-9	-3
Confidence Factor:		80.1%	96.9%	54.8%	83.2%	83.2%	59.4%
Concentration Trend:		Stable	Decreasing	Stable	Stable	Stable	No Trend

Notes:

- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 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.
- 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.
- Red values are the reporting limit and are non-detect results.
- The results for MW-2 and RW-2 during June 2024 are based as reported by the laboratory. Based upon the data sets, the results are suspected to be transposed.

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Table 11

GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis							
Evaluation Date: 4-Feb-25		Job ID: 014181					
Facility Name: HDO		Constituent: Total Organic Carbon					
Conducted By: TRC		Concentration Units: mg/L					
Sampling Point ID:		MW-2	MW-3	MW-6	MW-9	MW-17	RW-2
Sampling Event	Sampling Date	TOTAL ORGANIC CARBON CONCENTRATION (mg/L)					
1	16-Feb-23	20.9	21.4	8.65	1.86	1.14	2.97
2	4-May-23	23.2	3.45	22.5	1.89	1.75	1.86
3	14-Sep-23	6.4	14.9	24.3	4.36	3.03	7.02
4	5-Dec-23	61.8	12.5	1	1.65	1.92	2.32
5	19-Mar-24	67.1	14.8	16.1	1.8	1	2.3
6	4-Jun-24	10	14.3	11.4	3.87	2.78	73.8
7	26-Sep-24	86.1	16	11.8	2.99	5	3.56
8	11-Nov-24	10.9	18.8	1	2.64	1.5	4.13
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
Coefficient of Variation:		0.87	0.36	0.72	0.39	0.58	2.04
Mann-Kendall Statistic (S):		6	6	-7	4	6	8
Confidence Factor:		72.6%	72.6%	76.4%	64.0%	72.6%	80.1%
Concentration Trend:		No Trend	No Trend	Stable	No Trend	No Trend	No Trend

Concentration (mg/L)

100

10

1

12/22

03/23

06/23

10/23

01/24

04/24

07/24

11/24

02/25

Sampling Date

MW-2

MW-3

MW-6

MW-9

MW-17

RW-2

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.

4.

Red values are the reporting limit and are non-detect results.

5.

The results for MW-2 and RW-2 during June 2024 are based as reported by the laboratory. Based upon the data sets, the results are suspected to be transposed.

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Table 12

GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis							
Evaluation Date: 4-Feb-25			Job ID: 014181				
Facility Name: HDO			Constituent: Dissolved Methane				
Conducted By: TRC			Concentration Units: mg/L				
Sampling Point ID:		MW-2	MW-3	MW-6	MW-9	MW-17	RW-2
Sampling Event	Sampling Date	DISSOLVED METHANE CONCENTRATION (mg/L)					
1	16-Feb-23	2.22	2.374	0.637	0.000939	0.000725	0.00138
2	4-May-23	2.19	2.65	0.625	0.00236	0.00237	0.0018
3	14-Sep-23	0.411	0.0053	2.47	0.000864	0.000853	0.0005
4	5-Dec-23	1.93	0.00371	0.522	0.00136	0.0099	0.00156
5	19-Mar-24	4.26	0.00581	0.913	0.00116	0.00151	0.000904
6	4-Jun-24	0.0043	0.0367	0.725	0.00118	0.000745	8.39
7	26-Sep-24	6.76	0.00445	0.495	0.0014	0.00105	0.00142
8	11-Nov-24	6.77	0.00361	0.375	0.00166	0.00135	0.00132
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
Coefficient of Variation:		0.85	1.83	0.80	0.35	1.35	2.83
Mann-Kendall Statistic (S):		8	-14	-12	10	2	0
Confidence Factor:		80.1%	94.6%	91.1%	86.2%	54.8%	45.2%
Concentration Trend:		No Trend	Prob. Decreasing	Prob. Decreasing	No Trend	No Trend	No Trend

Notes:

- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 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.
- 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.
- Red values are the reporting limit and are non-detect results.
- The results for MW-2 and RW-2 during June 2024 are based as reported by the laboratory. Based upon the data sets, the results are suspected to be transposed.

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Table 13

GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis							
Evaluation Date: 4-Feb-25		Job ID: 014181					
Facility Name: HDO		Constituent: Dissolved Ethane					
Conducted By: TRC		Concentration Units: mg/L					
Sampling Point ID:		MW-2	MW-3	MW-6	MW-9	MW-17	RW-2
Sampling Event	Sampling Date	DISSOLVED ETHANE CONCENTRATION (mg/L)					
1	16-Feb-23	0.001	0.001	0.001	0.001	0.001	0.001
2	4-May-23	0.00144	0.00767	0.0521	0.00144	0.00144	0.00144
3	14-Sep-23	0.00269	0.001	0.001	0.001	0.001	0.001
4	5-Dec-23	0.001	0.001	0.001	0.001	0.001	0.001
5	19-Mar-24	0.0394	0.001	0.00366	0.001	0.001	0.001
6	4-Jun-24	0.001	0.001	0.0654	0.001	0.001	0.001
7	26-Sep-24	0.001	0.001	0.001	0.001	0.001	0.001
8	11-Nov-24	0.001	0.001	0.0187	0.001	0.001	0.001
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
Coefficient of Variation:		2.22	1.29	1.45	0.15	0.15	0.15
Mann-Kendall Statistic (S):		-4	-5	6	-5	-5	-5
Confidence Factor:		64.0%	68.3%	72.6%	68.3%	68.3%	68.3%
Concentration Trend:		No Trend	No Trend	No Trend	Stable	Stable	Stable

Concentration (mg/L)

1

0.1

0.01

0.001

12/22

03/23

06/23

10/23

01/24

04/24

07/24

11/24

02/25

Sampling Date

MW-2

MW-3

MW-6

MW-9

MW-17

RW-2

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.

4.

Red values are the reporting limit and are non-detect results.

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Table 14

GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis							
Evaluation Date: 4-Feb-25		Job ID: 014181					
Facility Name: HDO		Constituent: Dissolved Ethene					
Conducted By: TRC		Concentration Units: mg/L					
Sampling Point ID:		MW-2	MW-3	MW-6	MW-9	MW-17	RW-2
Sampling Event	Sampling Date	DISSOLVED ETHENE CONCENTRATION (mg/L)					
1	16-Feb-23	0.001	0.001	0.001	0.001	0.001	0.001
2	4-May-23	0.000234	0.223	0.00403	0.00273	0.0014	0.00237
3	14-Sep-23	0.001	0.001	0.001	0.001	0.001	0.001
4	5-Dec-23	0.001	0.001	0.001	0.001	0.001	0.001
5	19-Mar-24	0.001	0.001	0.001	0.001	0.001	0.001
6	4-Jun-24	0.001	0.001	0.001	0.001	0.001	0.001
7	26-Sep-24	0.001	0.001	0.001	0.001	0.001	0.001
8	11-Nov-24	0.001	0.001	0.001	0.001	0.001	0.001
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
Coefficient of Variation:		0.30	2.73	0.78	0.50	0.13	0.41
Mann-Kendall Statistic (S):		5	-5	-5	-5	-5	-5
Confidence Factor:		68.3%	68.3%	68.3%	68.3%	68.3%	68.3%
Concentration Trend:		No Trend	No Trend	Stable	Stable	Stable	Stable

Sampling Event	Sampling Date	MW-2	MW-3	MW-6	MW-9	MW-17	RW-2
1	16-Feb-23	0.001	0.001	0.001	0.001	0.001	0.001
2	4-May-23	0.000234	0.223	0.00403	0.00273	0.0014	0.00237
3	14-Sep-23	0.001	0.001	0.001	0.001	0.001	0.001
4	5-Dec-23	0.001	0.001	0.001	0.001	0.001	0.001
5	19-Mar-24	0.001	0.001	0.001	0.001	0.001	0.001
6	4-Jun-24	0.001	0.001	0.001	0.001	0.001	0.001
7	26-Sep-24	0.001	0.001	0.001	0.001	0.001	0.001
8	11-Nov-24	0.001	0.001	0.001	0.001	0.001	0.001

Notes:

- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 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.
- 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.
- Red values are the reporting limit and are non-detect results.

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Table 15

GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis							
Evaluation Date: 4-Feb-25			Job ID: 014181				
Facility Name: HDO			Constituent: Dissolved Iron				
Conducted By: TRC			Concentration Units: mg/L				
Sampling Point ID:		MW-2	MW-3	MW-6	MW-9	MW-17	RW-2
Sampling Event	Sampling Date	DISSOLVED IRON CONCENTRATION (mg/L)					
1	16-Feb-23	0.2	0.695	0.2	0.2	0.2	0.429
2	4-May-23	0.2	0.567	0.2	0.2	0.428	1.74
3	14-Sep-23	0.2	1.75	0.2	0.2	0.2	0.242
4	5-Dec-23	0.743	0.887	0.2	0.2	0.2	0.352
5	19-Mar-24	2.28	0.54	0.2	0.2	0.2	0.554
6	4-Jun-24	2.24	0.2	0.2	0.2	0.2	2.23
7	26-Sep-24	2.16	0.309	0.2	0.2	0.2	0.423
8	11-Nov-24	2.32	0.38	0.2	0.2	0.2	0.895
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
Coefficient of Variation:		0.80	0.73	0.00	0.00	0.35	0.85
Mann-Kendall Statistic (S):		19	-14	0	0	-5	6
Confidence Factor:		98.9%	94.6%	45.2%	45.2%	68.3%	72.6%
Concentration Trend:		Increasing	Prob. Decreasing	Stable	Stable	Stable	No Trend

Concentration (mg/L)

10

1

0.1

12/22

03/23

06/23

10/23

01/24

04/24

07/24

11/24

02/25

Sampling Date

MW-2

MW-3

MW-6

MW-9

MW-17

RW-2

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.

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Table 16

GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis							
Evaluation Date: 4-Feb-25			Job ID: 014181				
Facility Name: HDO			Constituent: Dissolved Manganese				
Conducted By: TRC			Concentration Units: mg/L				
Sampling Point ID:		MW-2	MW-3	MW-6	MW-9	MW-17	RW-2
Sampling Event	Sampling Date	DISSOLVED MANGANESE CONCENTRATION (mg/L)					
1	16-Feb-23	0.07	0.16	0.0211	0.00543	0.00624	0.064
2	4-May-23	0.0701	0.127	0.00652	0.005	0.0409	0.0883
3	14-Sep-23	0.005	0.0829	0.0666	0.005	0.005	0.0549
4	5-Dec-23	0.136	0.0863	0.124	0.00594	0.005	0.0324
5	19-Mar-24	0.136	0.126	0.00718	0.00721	0.005	0.0791
6	4-Jun-24	0.265	0.005	0.00516	0.00596	0.005	0.114
7	26-Sep-24	0.0978	0.138	0.005	0.005	0.00561	0.141
8	11-Nov-24	0.0972	0.152	0.005	0.005	0.005	0.105
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
Coefficient of Variation:		0.69	0.46	1.44	0.14	1.30	0.41
Mann-Kendall Statistic (S):		9	0	-15	0	-8	12
Confidence Factor:		83.2%	45.2%	95.8%	45.2%	80.1%	91.1%
Concentration Trend:		No Trend	Stable	Decreasing	Stable	No Trend	Prob. Increasing

Notes:

- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 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.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, Ground Water, 41(3):355-367, 2003.
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Table 17

GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis							
Evaluation Date: 4-Feb-25			Job ID: 014181				
Facility Name: HDO			Constituent: Nitrate				
Conducted By: TRC			Concentration Units: mg/L				
Sampling Point ID:		MW-2	MW-3	MW-6	MW-9	MW-17	RW-2
Sampling Event	Sampling Date	NITRATE CONCENTRATION (mg/L)					
1	16-Feb-23	0.2	0.2	0.48	1.17	1.02	0.2
2	4-May-23	0.2	0.2	0.415	1.18	0.94	0.2
3	14-Sep-23	2.2	0.2	0.42	0.3	0.783	0.2
4	5-Dec-23	0.263	0.33	0.727	0.879	1	0.292
5	19-Mar-24	0.2	0.2	0.2	0.406	0.369	0.2
6	4-Jun-24	0.311	0.305	0.634	0.88	1.16	0.318
7	26-Sep-24	0.2	0.2	0.415	0.2	0.2	0.2
8	11-Nov-24	0.2	0.2	0.559	0.2	0.269	0.2
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
Coefficient of Variation:		1.48	0.24	0.33	0.65	0.53	0.22
Mann-Kendall Statistic (S):		-2	1	1	-15	-12	3
Confidence Factor:		54.8%	50.0%	50.0%	95.8%	91.1%	59.4%
Concentration Trend:		No Trend	No Trend	No Trend	Decreasing	Prob. Decreasing	No Trend

Concentration (mg/L)

10

1

0.1

12/22

03/23

06/23

10/23

01/24

04/24

07/24

11/24

02/25

Sampling Date

MW-2

MW-3

MW-6

MW-9

MW-17

RW-2

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.

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Table 18

GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis							
Evaluation Date: 4-Feb-25			Job ID: 014181				
Facility Name: HDO			Constituent: Sulfate				
Conducted By: TRC			Concentration Units: mg/L				
Sampling Point ID:		MW-2	MW-3	MW-6	MW-9	MW-17	RW-2
Sampling Event	Sampling Date	SULFATE CONCENTRATION (mg/L)					
1	16-Feb-23	9.8	225	70.4	65.9	74.3	197
2	4-May-23	10.2	133	50.6	60.4	67.3	205
3	14-Sep-23	23.5	66.6	66.2	177	75.5	215
4	5-Dec-23	14.1	342	108	96.1	108	34.3
5	19-Mar-24	1.33	63.8	62.2	58	68.5	234
6	4-Jun-24	232	43.7	64.5	73.5	73.5	3.79
7	26-Sep-24	8.62	89	73	72	76.8	245
8	11-Nov-24	1	144	60.6	71.4	74	234
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
Coefficient of Variation:		2.10	0.73	0.24	0.47	0.17	0.56
Mann-Kendall Statistic (S):		-6	-6	-2	-2	4	9
Confidence Factor:		72.6%	72.6%	54.8%	54.8%	64.0%	83.2%
Concentration Trend:		No Trend	Stable	Stable	Stable	No Trend	No Trend

Concentration (mg/L)

Sampling Date

Legend: MW-2, MW-3, MW-6, MW-9, MW-17, RW-2

Notes:

- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 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.
- 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.
- Red values are the reporting limit and are non-detect results.
- The results for MW-2 and RW-2 during June 2024 are based as reported by the laboratory. Based upon the data sets, the results are suspected to be transposed.

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Table 19

GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis							
Evaluation Date: 4-Feb-25		Job ID: 014181					
Facility Name: HDO		Constituent: Chemical Oxygen Demand					
Conducted By: TRC		Concentration Units: mg/L					
Sampling Point ID:		MW-2	MW-3	MW-6	MW-9	MW-17	RW-2
Sampling Event	Sampling Date	CHEMICAL OXYGEN DEMAND CONCENTRATION (mg/L)					
1	16-Feb-23	220	210	1060	2	2	4
2	4-May-23	69	63	74	2	2	5
3	14-Sep-23	106	39	26	2	2	4
4	5-Dec-23	460	37	30	11	100	10
5	19-Mar-24	89	44	68	98	10	42
6	4-Jun-24	9	30	130	5	4	205
7	26-Sep-24	200	33	98	2	2	2
8	11-Nov-24	1360	1200	100	2	2	2
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
Coefficient of Variation:		1.42	1.96	1.77	2.16	2.21	2.05
Mann-Kendall Statistic (S):		4	-8	4	2	0	0
Confidence Factor:		64.0%	80.1%	64.0%	54.8%	45.2%	45.2%
Concentration Trend:		No Trend	No Trend	No Trend	No Trend	No Trend	No Trend

Notes:

- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 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.
- 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.
- Red values are the reporting limit and are non-detect results.

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APPENDICES

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



Analytical Report

Prepared for:

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Location: Lea County, NM
Lab Order Number: 4C20016



Current Certification

Report Date: 04/12/24

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-17	4C20016-01	Water	03/19/24 12:40	03-20-2024 08:35
MW-9	4C20016-02	Water	03/19/24 13:36	03-20-2024 08:35
RW-2	4C20016-03	Water	03/19/24 14:42	03-20-2024 08:35
MW-3	4C20016-04	Water	03/19/24 15:30	03-20-2024 08:35
MW-2	4C20016-05	Water	03/19/24 16:47	03-20-2024 08:35
MW-6	4C20016-06	Water	03/19/24 17:45	03-20-2024 08:35

Dissolved Metals RSK-175 and TOC analysis were subcontracted to ALS Houston. Their report is attached after the Chain of Custody. Their TCEQ TNI certification number can be found here:

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

MW-17
4C20016-01 (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	P4C2106	03/21/24 12:14	03/21/24 16:39	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4C2106	03/21/24 12:14	03/21/24 16:39	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4C2106	03/21/24 12:14	03/21/24 16:39	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4C2106	03/21/24 12:14	03/21/24 16:39	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4C2106	03/21/24 12:14	03/21/24 16:39	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	87.6 %		80-120		P4C2106	03/21/24 12:14	03/21/24 16:39	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	97.3 %		80-120		P4C2106	03/21/24 12:14	03/21/24 16:39	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P4D0408	03/27/24 09:45	03/27/24 09:45	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4D0408	03/27/24 09:45	03/27/24 09:45	8015M	SUB-13
Methane	0.00151	0.000500	mg/L	1	P4D0408	03/27/24 09:45	03/27/24 09:45	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	10.0	mg/L	1	P4D1008	04/03/24 08:30	04/10/24 12:18	8000	
Nitrate as N	0.369	0.200	mg/L	1	P4C2013	03/20/24 15:54	03/21/24 15:26	EPA 300.0	
Sulfate	68.5	5.00	mg/L	5	P4C2015	03/20/24 16:01	03/21/24 15:37	EPA 300.0	
Total Organic Carbon	ND	1.00	mg/L	1	P4D0408	03/27/24 20:44	03/27/24 20:44	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P4D0408	03/25/24 09:45	03/25/24 09:45	EPA 6020A	SUB-13
Manganese	ND	0.00500	mg/L	1	P4D0408	03/25/24 09:45	03/25/24 09:45	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

MW-9
4C20016-02 (Water)

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

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4C2106	03/21/24 12:14	03/21/24 17:01	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4C2106	03/21/24 12:14	03/21/24 17:01	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4C2106	03/21/24 12:14	03/21/24 17:01	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4C2106	03/21/24 12:14	03/21/24 17:01	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4C2106	03/21/24 12:14	03/21/24 17:01	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	87.2 %		80-120		P4C2106	03/21/24 12:14	03/21/24 17:01	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	98.3 %		80-120		P4C2106	03/21/24 12:14	03/21/24 17:01	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P4D0408	03/13/24 13:02	03/13/24 13:02	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4D0408	03/13/24 13:02	03/13/24 13:02	8015M	SUB-13
Methane	0.00116	0.000500	mg/L	1	P4D0408	03/13/24 13:02	03/13/24 13:02	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	98.0	10.0	mg/L	1	P4D1008	04/03/24 08:30	04/10/24 12:18	8000	
Nitrate as N	0.406	0.200	mg/L	1	P4C2013	03/20/24 15:54	03/21/24 15:45	EPA 300.0	
Sulfate	58.0	5.00	mg/L	5	P4C2015	03/20/24 16:01	03/21/24 15:56	EPA 300.0	
Total Organic Carbon	1.80	1.00	mg/L	1	P4D0408	03/28/24 15:11	03/28/24 15:11	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P4D0408	03/25/24 10:30	03/25/24 21:19	EPA 6020A	SUB-13
Manganese	0.00721	0.00500	mg/L	1	P4D0408	03/25/24 10:30	03/25/24 21:19	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

RW-2**4C20016-03 (Water)**

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

Benzene	ND	0.00100	mg/L	1	P4C2106	03/21/24 12:14	03/21/24 17:23	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4C2106	03/21/24 12:14	03/21/24 17:23	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4C2106	03/21/24 12:14	03/21/24 17:23	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4C2106	03/21/24 12:14	03/21/24 17:23	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4C2106	03/21/24 12:14	03/21/24 17:23	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	88.9 %		80-120		P4C2106	03/21/24 12:14	03/21/24 17:23	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.0 %		80-120		P4C2106	03/21/24 12:14	03/21/24 17:23	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P4D0408	03/25/24 13:19	03/25/24 13:19	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4D0408	03/25/24 13:19	03/25/24 13:19	8015M	SUB-13
Methane	0.000904	0.000500	mg/L	1	P4D0408	03/25/24 13:19	03/25/24 13:19	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	42.0	10.0	mg/L	1	P4D1008	04/03/24 08:30	04/10/24 12:18	8000	
Nitrate as N	ND	0.200	mg/L	1	P4C2013	03/20/24 15:54	03/21/24 16:05	EPA 300.0	
Sulfate	234	10.0	mg/L	10	P4C2015	03/20/24 16:01	03/21/24 16:16	EPA 300.0	
Total Organic Carbon	2.30	1.00	mg/L	1	P4D0408	03/27/24 21:12	03/27/24 21:12	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	0.554	0.200	mg/L	1	P4D0408	03/25/24 10:30	03/25/24 13:19	EPA 6020A	SUB-13
Manganese	0.0791	0.00500	mg/L	1	P4D0408	03/25/24 10:30	03/25/24 13:19	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

MW-3
4C20016-04 (Water)

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

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4C2106	03/21/24 12:14	03/21/24 17:45	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4C2106	03/21/24 12:14	03/21/24 17:45	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4C2106	03/21/24 12:14	03/21/24 17:45	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4C2106	03/21/24 12:14	03/21/24 17:45	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4C2106	03/21/24 12:14	03/21/24 17:45	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	89.6 %		80-120		P4C2106	03/21/24 12:14	03/21/24 17:45	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	97.0 %		80-120		P4C2106	03/21/24 12:14	03/21/24 17:45	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P4D0408	03/25/24 13:33	03/25/24 13:33	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4D0408	03/25/24 13:33	03/25/24 13:33	8015M	SUB-13
Methane	0.00581	0.000500	mg/L	1	P4D0408	03/25/24 13:33	03/25/24 13:33	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	44.0	10.0	mg/L	1	P4D1008	04/03/24 08:30	04/10/24 12:18	8000	
Nitrate as N	ND	0.200	mg/L	1	P4C2013	03/20/24 15:54	03/21/24 16:24	EPA 300.0	
Sulfate	63.8	10.0	mg/L	10	P4C2015	03/20/24 16:01	03/21/24 16:35	EPA 300.0	
Total Organic Carbon	14.8	1.00	mg/L	1	P4D0408	03/27/24 21:28	03/27/24 21:28	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	0.540	0.200	mg/L	1	P4D0408	03/25/24 10:30	03/25/24 21:23	EPA 6020A	SUB-13
Manganese	0.126	0.00500	mg/L	1	P4D0408	03/25/24 10:30	03/25/24 21:23	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

MW-2
4C20016-05 (Water)

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

Organics by GC

Benzene	0.0527	0.00100	mg/L	1	P4C2106	03/21/24 12:14	03/21/24 18:07	EPA 8021B	
Toluene	0.0282	0.00100	mg/L	1	P4C2106	03/21/24 12:14	03/21/24 18:07	EPA 8021B	
Ethylbenzene	0.0302	0.00100	mg/L	1	P4C2106	03/21/24 12:14	03/21/24 18:07	EPA 8021B	
Xylene (p/m)	0.0810	0.00200	mg/L	1	P4C2106	03/21/24 12:14	03/21/24 18:07	EPA 8021B	
Xylene (o)	0.0252	0.00100	mg/L	1	P4C2106	03/21/24 12:14	03/21/24 18:07	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>86.5 %</i>	<i>80-120</i>			<i>P4C2106</i>	<i>03/21/24 12:14</i>	<i>03/21/24 18:07</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>90.9 %</i>	<i>80-120</i>			<i>P4C2106</i>	<i>03/21/24 12:14</i>	<i>03/21/24 18:07</i>	<i>EPA 8021B</i>	
Ethane	0.0394	0.00100	mg/L	1	P4D0408	03/25/24 13:45	03/25/24 13:45	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4D0408	03/25/24 13:45	03/25/24 13:45	8015M	SUB-13
Methane	4.26	0.000500	mg/L	1	P4D0408	03/25/24 13:45	03/25/24 15:36	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	89.0	10.0	mg/L	1	P4D1008	04/03/24 08:30	04/10/24 12:18	8000	
Nitrate as N	ND	0.200	mg/L	1	P4C2013	03/20/24 15:54	03/21/24 16:43	EPA 300.0	
Sulfate	1.33	1.00	mg/L	1	P4C2015	03/20/24 16:01	03/22/24 10:20	EPA 300.0	
Total Organic Carbon	67.1	10.0	mg/L	1	P4D0408	03/27/24 21:43	03/27/24 21:43	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	2.28	0.200	mg/L	1	P4D0408	03/11/24 12:13	03/11/24 12:13	EPA 6020A	SUB-13
Manganese	0.136	0.00500	mg/L	1	P4D0408	03/11/24 21:25	03/11/24 21:25	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

MW-6
4C20016-06 (Water)

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

Organics by GC

Benzene	0.305	0.00100	mg/L	1	P4C2106	03/21/24 12:14	03/21/24 18:29	EPA 8021B	
Toluene	0.0377	0.00100	mg/L	1	P4C2106	03/21/24 12:14	03/21/24 18:29	EPA 8021B	
Ethylbenzene	0.817	0.00500	mg/L	5	P4C2106	03/21/24 12:14	03/22/24 12:15	EPA 8021B	
Xylene (p/m)	0.729	0.00200	mg/L	1	P4C2106	03/21/24 12:14	03/21/24 18:29	EPA 8021B	
Xylene (o)	0.0960	0.00100	mg/L	1	P4C2106	03/21/24 12:14	03/21/24 18:29	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>95.0 %</i>	<i>80-120</i>			<i>P4C2106</i>	<i>03/21/24 12:14</i>	<i>03/21/24 18:29</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>85.6 %</i>	<i>80-120</i>			<i>P4C2106</i>	<i>03/21/24 12:14</i>	<i>03/21/24 18:29</i>	<i>EPA 8021B</i>	
Ethane	0.00366	0.00100	mg/L	1	P4D0408	03/25/24 13:55	03/25/24 13:55	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4D0408	03/25/24 13:55	03/25/24 13:55	8015M	SUB-13
Methane	0.913	0.000500	mg/L	1	P4D0408	03/25/24 13:55	03/25/24 16:10	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	68.0	10.0	mg/L	1	P4D1008	04/03/24 08:30	04/10/24 12:18	8000	
Nitrate as N	ND	0.200	mg/L	1	P4C2013	03/20/24 15:54	03/21/24 17:03	EPA 300.0	
Sulfate	62.2	5.00	mg/L	5	P4C2015	03/20/24 16:01	03/21/24 17:14	EPA 300.0	
Total Organic Carbon	16.1	5.00	mg/L	1	P4D0408	03/28/24 16:10	03/28/24 16:10	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P4D0408	03/25/24 10:30	03/25/24 21:27	EPA 6020A	SUB-13
Manganese	0.00718	0.00500	mg/L	1	P4D0408	03/25/24 10:30	03/25/24 21:27	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4C2106 - * DEFAULT PREP *****

Blank (P4C2106-BLK1)

Prepared & Analyzed: 03/21/24

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.106		"	0.120		87.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.8	80-120			

LCS (P4C2106-BS1)

Prepared & Analyzed: 03/21/24

Benzene	0.107	0.00100	mg/L	0.100		107	80-120			
Toluene	0.0971	0.00100	"	0.100		97.1	80-120			
Ethylbenzene	0.0992	0.00100	"	0.100		99.2	80-120			
Xylene (p/m)	0.199	0.00200	"	0.200		99.6	80-120			
Xylene (o)	0.0937	0.00100	"	0.100		93.7	80-120			
Surrogate: 4-Bromofluorobenzene	0.104		"	0.120		86.5	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.3	80-120			

LCS Dup (P4C2106-BSD1)

Prepared: 03/21/24 Analyzed: 03/22/24

Benzene	0.102	0.00100	mg/L	0.100		102	80-120	4.22	20	
Toluene	0.0898	0.00100	"	0.100		89.8	80-120	7.79	20	
Ethylbenzene	0.0915	0.00100	"	0.100		91.5	80-120	8.07	20	
Xylene (p/m)	0.185	0.00200	"	0.200		92.7	80-120	7.15	20	
Xylene (o)	0.0862	0.00100	"	0.100		86.2	80-120	8.42	20	
Surrogate: 4-Bromofluorobenzene	0.103		"	0.120		85.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		100	80-120			

Calibration Blank (P4C2106-CCB1)

Prepared & Analyzed: 03/21/24

Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.190		"							
Xylene (p/m)	0.240		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.106		"	0.120		88.5	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.0	80-120			

Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4C2106 - * DEFAULT PREP *****

Calibration Blank (P4C2106-CCB2)

Prepared & Analyzed: 03/21/24

Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.510		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.107		"	0.120		88.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.7	80-120			

Calibration Blank (P4C2106-CCB3)

Prepared: 03/21/24 Analyzed: 03/22/24

Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.280		"							
Xylene (p/m)	0.350		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.103		"	0.120		86.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.5	80-120			

Calibration Check (P4C2106-CCV1)

Prepared & Analyzed: 03/21/24

Benzene	0.111	0.00100	mg/L				80-120			
Toluene	0.102	0.00100	"				80-120			
Ethylbenzene	0.0984	0.00100	"				80-120			
Xylene (p/m)	0.208	0.00200	"				80-120			
Xylene (o)	0.0989	0.00100	"				80-120			
Surrogate: 4-Bromofluorobenzene	0.107		"	0.120		88.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			

Calibration Check (P4C2106-CCV2)

Prepared & Analyzed: 03/21/24

Benzene	0.111	0.00100	mg/L				80-120			
Toluene	0.101	0.00100	"				80-120			
Ethylbenzene	0.0962	0.00100	"				80-120			
Xylene (p/m)	0.204	0.00200	"				80-120			
Xylene (o)	0.0978	0.00100	"				80-120			
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120		87.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		98.8	80-120			

Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4C2106 - * DEFAULT PREP *****

Calibration Check (P4C2106-CCV3)

Prepared: 03/21/24 Analyzed: 03/22/24

Benzene	0.109	0.00100	mg/L				80-120			
Toluene	0.0956	0.00100	"				80-120			
Ethylbenzene	0.0908	0.00100	"				80-120			
Xylene (p/m)	0.196	0.00200	"				80-120			
Xylene (o)	0.0927	0.00100	"				80-120			
Surrogate: 4-Bromofluorobenzene	0.103		"	0.120		85.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.6	80-120			

Matrix Spike (P4C2106-MS1)

Source: 4C20015-05

Prepared: 03/21/24 Analyzed: 03/22/24

Benzene	0.425	0.00100	mg/L	0.100	0.238	187	80-120			
Toluene	0.0966	0.00100	"	0.100	0.00983	86.8	80-120			
Ethylbenzene	0.138	0.00100	"	0.100	0.0231	114	80-120			
Xylene (p/m)	0.212	0.00200	"	0.200	0.0247	93.7	80-120			
Xylene (o)	0.0833	0.00100	"	0.100	0.00820	75.1	80-120			
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120		91.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.0	80-120			

Matrix Spike Dup (P4C2106-MSD1)

Source: 4C20015-05

Prepared: 03/21/24 Analyzed: 03/22/24

Benzene	0.424	0.00100	mg/L	0.100	0.238	186	80-120	0.627	20	
Toluene	0.0894	0.00100	"	0.100	0.00983	79.6	80-120	8.66	20	
Ethylbenzene	0.132	0.00100	"	0.100	0.0231	109	80-120	5.01	20	
Xylene (p/m)	0.201	0.00200	"	0.200	0.0247	88.0	80-120	6.31	20	
Xylene (o)	0.0780	0.00100	"	0.100	0.00820	69.8	80-120	7.25	20	
Surrogate: 4-Bromofluorobenzene	0.108		"	0.120		89.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.4	80-120			

Permian Basin Environmental Lab, L.P.

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

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4C2013 - * DEFAULT PREP *****

Blank (P4C2013-BLK1)

Prepared: 03/20/24 Analyzed: 03/21/24

Nitrate as N	ND	0.200	mg/L
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LCS (P4C2013-BS1)

Prepared: 03/20/24 Analyzed: 03/21/24

Nitrate as N	18.2		mg/L	20.0	91.0	90-110
--------------	------	--	------	------	------	--------

LCS Dup (P4C2013-BSD1)

Prepared: 03/20/24 Analyzed: 03/21/24

Nitrate as N	18.2		mg/L	20.0	90.8	90-110	0.303	10
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Calibration Check (P4C2013-CCV1)

Prepared: 03/20/24 Analyzed: 03/21/24

Nitrate as N	19.7		mg/L	20.0	98.4	90-110
--------------	------	--	------	------	------	--------

Matrix Spike (P4C2013-MS1)

Source: 4C19016-01

Prepared: 03/20/24 Analyzed: 03/21/24

Nitrate as N	18.8		mg/L	20.0	0.135	93.2	80-120
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Matrix Spike Dup (P4C2013-MSD1)

Source: 4C19016-01

Prepared: 03/20/24 Analyzed: 03/21/24

Nitrate as N	18.8		mg/L	20.0	0.135	93.6	80-120	0.399	20
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Batch P4C2015 - * DEFAULT PREP *****

Blank (P4C2015-BLK1)

Prepared: 03/20/24 Analyzed: 03/21/24

Sulfate	ND	1.00	mg/L
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LCS (P4C2015-BS1)

Prepared: 03/20/24 Analyzed: 03/21/24

Sulfate	18.2		mg/L	18.0	101	90-110
---------	------	--	------	------	-----	--------

LCS Dup (P4C2015-BSD1)

Prepared: 03/20/24 Analyzed: 03/21/24

Sulfate	18.2		mg/L	18.0	101	90-110	0.148	10
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Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4C2015 - * DEFAULT PREP *****

Calibration Check (P4C2015-CCV1)

Prepared: 03/20/24 Analyzed: 03/21/24

Sulfate	17.8		mg/L	18.0	99.0	90-110			
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Calibration Check (P4C2015-CCV2)

Prepared: 03/20/24 Analyzed: 03/21/24

Sulfate	17.7		mg/L	18.0	98.5	90-110			
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Matrix Spike (P4C2015-MS1)

Source: 4C19016-01

Prepared: 03/20/24 Analyzed: 03/21/24

Sulfate	107		mg/L	100	13.8	93.2	80-120		
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Matrix Spike Dup (P4C2015-MSD1)

Source: 4C19016-01

Prepared: 03/20/24 Analyzed: 03/21/24

Sulfate	106		mg/L	100	13.8	91.9	80-120	1.24	20
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Batch P4D1008 - * DEFAULT PREP *****

Blank (P4D1008-BLK1)

Prepared: 04/03/24 Analyzed: 04/10/24

Chemical Oxygen Demand	ND	10.0	mg/L						
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LCS (P4D1008-BS1)

Prepared: 04/03/24 Analyzed: 04/10/24

Chemical Oxygen Demand	110	10.0	mg/L	100	110	80-120			
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LCS Dup (P4D1008-BSD1)

Prepared: 04/03/24 Analyzed: 04/10/24

Chemical Oxygen Demand	112	10.0	mg/L	100	112	80-120	1.80	20	
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Calibration Check (P4D1008-CCV1)

Prepared: 04/03/24 Analyzed: 04/10/24

Chemical Oxygen Demand	103	10.0	mg/L	100	103	80-120			
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Calibration Check (P4D1008-CCV2)

Prepared: 04/03/24 Analyzed: 04/10/24

Chemical Oxygen Demand	103	10.0	mg/L	100	103	80-120			
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Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4D1008 - * DEFAULT PREP *****

Duplicate (P4D1008-DUP1)		Source: 4C20016-01		Prepared: 04/03/24 Analyzed: 04/10/24						
Chemical Oxygen Demand	ND	10.0	mg/L		ND				20	
Duplicate (P4D1008-DUP2)		Source: 4C27008-05		Prepared: 04/03/24 Analyzed: 04/10/24						
Chemical Oxygen Demand	105	10.0	mg/L		569			138	20	QR-03
Matrix Spike (P4D1008-MS1)		Source: 4C20016-01		Prepared: 04/03/24 Analyzed: 04/10/24						
Chemical Oxygen Demand	110	10.0	mg/L	100	ND	110	80-120			
Matrix Spike (P4D1008-MS2)		Source: 4C27008-05		Prepared: 04/03/24 Analyzed: 04/10/24						
Chemical Oxygen Demand	210	10.0	mg/L	100	569	NR	80-120			QR-03
Matrix Spike Dup (P4D1008-MSD1)		Source: 4C20016-01		Prepared: 04/03/24 Analyzed: 04/10/24						
Chemical Oxygen Demand	115	10.0	mg/L	100	ND	115	80-120	4.44	20	
Matrix Spike Dup (P4D1008-MSD2)		Source: 4C27008-05		Prepared: 04/03/24 Analyzed: 04/10/24						
Chemical Oxygen Demand	220	10.0	mg/L	100	569	NR	80-120	4.65	20	QR-03

Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

Notes and Definitions

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

ROI Received on Ice

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.

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

NPBEL C Chain of Custody was not generated at PBELAB

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

4/12/2024

Brent Barron, Laboratory Director/Technical Director

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

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

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

Permian Basin Environmental Lab, L.P.

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

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

PBBLAB

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: Jonathan Repman

Project Name: HDO 90-23

Company Name: TRC Environmental Corporation

Project #: SRS: TNM HDO 90-23

Company Address: 10 Desta Drive, Ste 130E

Project Loc: Lea County, NM

City/State/Zip: Midland TX 79705

PO #:

Telephone No: (432) 955-3561

Report Format: ☒ Standard ☐ TRRP ☐ NPDESSampler Signature: *Jonathan Repman*

e-mail:

jrepman@trccompanies.com

lmedina@trccompanies.com

(lab use only)

ORDER #: 4020016

khudgens@paalp.com
bokator@trccompanies.com

ANALYZE FOR:
TCLP:
TOTAL: X

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Ice	HNO ₃	HCl	H ₂ SO ₄	NaOH	Na ₂ S ₂ O ₃	None	Other (Specify)	DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other	TOC MW 5310	Dissolved Methane, Ethane, and Ethene by RSK-175	Total Dissolved Metals (Fe and Mn) by SW 6010	Nitrate and Sulfate by E300	COD by SM 5310	Total BTEX by 8260	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	MW-17			3-19-24	1246	1	9	X	1	7	2					GW	X	X	X	X	X			X
2	MW-9				1336	1	9	X	1	7	2					GW	X	X	X	X	X			X
3	RW-2				1442	1	9	X	1	7	2					GW	X	X	X	X	X			X
4	MW-3				1536	1	9	X	1	7	2					GW	X	X	X	X	X			X
5	MW-2				1647	1	9	X	1	7	2					GW	X	X	X	X	X			X
6	MW-6				1745	1	9	X	1	7	2					GW	X	X	X	X	X			X

Special Instructions:

BILL TO PLAINS

Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by: <i>Manny</i>	3-19-24	0820	Received by:		
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:			Received by: <i>SSR</i>	3/20/24	0855

Laboratory Comments:

Sample Containers: Inactive?

VOCS Free of Headspace?

Labels on container(s)?

Custody seals on container(s)?

Sample Hand Delivered

by Sampler/Client Rep?

UPS

DHL

FedEx

Lone Star

Temperature Upon Receipt

Adjusted: 4.8

°C Factor



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

March 28, 2024

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

Work Order: **HS24031301**

Laboratory Results for: **4C20016**

Dear Brent Barron,

ALS Environmental received 6 sample(s) on Mar 21, 2024 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,

A handwritten signature in black ink that reads 'Anna M. Kinchen'.

Generated By: JUMOKE.LAWAL
Anna Kinchen
Project Manager

ALS Houston, US

Date: 28-Mar-24

Client: Permian Basin Environmental Lab, LP
Project: 4C20016
Work Order: HS24031301

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24031301-01	4C20016-01	Water		19-Mar-2024 12:40	21-Mar-2024 09:50	☐
HS24031301-02	4C20016-02	Water		19-Mar-2024 13:36	21-Mar-2024 09:50	☐
HS24031301-03	4C20016-03	Water		19-Mar-2024 14:42	21-Mar-2024 09:50	☐
HS24031301-04	4C20016-04	Water		19-Mar-2024 15:30	21-Mar-2024 09:50	☐
HS24031301-05	4C20016-05	Water		19-Mar-2024 16:47	21-Mar-2024 09:50	☐
HS24031301-06	4C20016-06	Water		19-Mar-2024 17:45	21-Mar-2024 09:50	☐

ALS Houston, US

Date: 28-Mar-24

Client: Permian Basin Environmental Lab, LP
Project: 4C20016
Work Order: HS24031301

CASE NARRATIVE

GC Semivolatiles by Method RSK-175

Batch ID: R462208

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

Metals by Method SW6020A

Batch ID: 209351

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

WetChemistry by Method E415.1

Batch ID: R462457,R462502

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

ALS Houston, US

Date: 28-Mar-24

Client:Permian Basin Environmental Lab, LP

Project:4C20016

Sample ID:4C20016-01

Collection Date:19-Mar-2024 12:40

ANALYTICAL REPORT

WorkOrder:HS24031301

Lab ID:HS24031301-01

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	27-Mar-2024 09:45
Ethene	ND		1.00	ug/L	1	27-Mar-2024 09:45
Methane	1.51		0.500	ug/L	1	27-Mar-2024 09:45
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 25-Mar-2024 Analyst: JC		
Iron	ND		0.200	mg/L	1	25-Mar-2024 21:17
Manganese	ND		0.00500	mg/L	1	25-Mar-2024 21:17
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	ND		1.00	mg/L	1	27-Mar-2024 20:44

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

ALS Houston, US

Date: 28-Mar-24

Client:Permian Basin Environmental Lab, LP

Project:4C20016

Sample ID:4C20016-02

Collection Date:19-Mar-2024 13:36

ANALYTICAL REPORT

WorkOrder:HS24031301

Lab ID:HS24031301-02

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	25-Mar-2024 13:02
Ethene	ND		1.00	ug/L	1	25-Mar-2024 13:02
Methane	1.16		0.500	ug/L	1	25-Mar-2024 13:02
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 25-Mar-2024 Analyst: JC		
Iron	ND		0.200	mg/L	1	25-Mar-2024 21:19
Manganese	0.00721		0.00500	mg/L	1	25-Mar-2024 21:19
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	1.80		1.00	mg/L	1	28-Mar-2024 15:11

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

ALS Houston, US

Date: 28-Mar-24

Client:Permian Basin Environmental Lab, LP

Project:4C20016

Sample ID:4C20016-03

Collection Date:19-Mar-2024 14:42

ANALYTICAL REPORT

WorkOrder:HS24031301

Lab ID:HS24031301-03

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	25-Mar-2024 13:19
Ethene	ND		1.00	ug/L	1	25-Mar-2024 13:19
Methane	0.904		0.500	ug/L	1	25-Mar-2024 13:19
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 25-Mar-2024		Analyst: JC
Iron	0.554		0.200	mg/L	1	25-Mar-2024 21:21
Manganese	0.0791		0.00500	mg/L	1	25-Mar-2024 21:21
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	2.30		1.00	mg/L	1	27-Mar-2024 21:12

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

ALS Houston, US

Date: 28-Mar-24

Client:Permian Basin Environmental Lab, LP

Project:4C20016

Sample ID:4C20016-04

Collection Date:19-Mar-2024 15:30

ANALYTICAL REPORT

WorkOrder:HS24031301

Lab ID:HS24031301-04

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	25-Mar-2024 13:33
Ethene	ND		1.00	ug/L	1	25-Mar-2024 13:33
Methane	5.81		0.500	ug/L	1	25-Mar-2024 13:33
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 25-Mar-2024 Analyst: JC		
Iron	0.540		0.200	mg/L	1	25-Mar-2024 21:23
Manganese	0.126		0.00500	mg/L	1	25-Mar-2024 21:23
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	14.8		1.00	mg/L	1	27-Mar-2024 21:28

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

ALS Houston, US

Date: 28-Mar-24

Client:Permian Basin Environmental Lab, LP

Project:4C20016

Sample ID:4C20016-05

Collection Date:19-Mar-2024 16:47

ANALYTICAL REPORT

WorkOrder:HS24031301

Lab ID:HS24031301-05

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: E.H.		
Ethane	39.4		1.00	ug/L	1	25-Mar-2024 13:45
Ethene	ND		1.00	ug/L	1	25-Mar-2024 13:45
Methane	4,260		250	ug/L	500	25-Mar-2024 15:36
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 25-Mar-2024		Analyst: JC
Iron	2.28		0.200	mg/L	1	25-Mar-2024 21:25
Manganese	0.136		0.00500	mg/L	1	25-Mar-2024 21:25
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	67.1		10.0	mg/L	10	27-Mar-2024 21:43

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

ALS Houston, US

Date: 28-Mar-24

Client:Permian Basin Environmental Lab, LP

Project:4C20016

Sample ID:4C20016-06

Collection Date:19-Mar-2024 17:45

ANALYTICAL REPORT

WorkOrder:HS24031301

Lab ID:HS24031301-06

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: E.H.		
Ethane	3.66		1.00	ug/L	1	25-Mar-2024 13:55
Ethene	ND		1.00	ug/L	1	25-Mar-2024 13:55
Methane	913		25.0	ug/L	50	25-Mar-2024 15:26
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 25-Mar-2024		Analyst: JC
Iron	ND		0.200	mg/L	1	25-Mar-2024 21:27
Manganese	0.00718		0.00500	mg/L	1	25-Mar-2024 21:27
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	16.1		5.00	mg/L	5	28-Mar-2024 16:10

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

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: 4C20016
WorkOrder: HS24031301

Batch ID: 209351	Start Date: 25 Mar 2024 10:30	End Date: 25 Mar 2024 10:30
Method: DISS METALS PREP - WATER - SW3010A	Prep Code: 3010A DISS	

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24031301-01		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24031301-02		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24031301-03		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24031301-04		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24031301-05		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24031301-06		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2

ALS Houston, US

Date: 28-Mar-24

Client: Permian Basin Environmental Lab, LP
Project: 4C20016
WorkOrder: HS24031301

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 209351 (0)		Test Name : DISSOLVED METALS BY SW6020A			Matrix: Water	
HS24031301-01	4C20016-01	19 Mar 2024 12:40		25 Mar 2024 10:30	25 Mar 2024 21:17	1
HS24031301-02	4C20016-02	19 Mar 2024 13:36		25 Mar 2024 10:30	25 Mar 2024 21:19	1
HS24031301-03	4C20016-03	19 Mar 2024 14:42		25 Mar 2024 10:30	25 Mar 2024 21:21	1
HS24031301-04	4C20016-04	19 Mar 2024 15:30		25 Mar 2024 10:30	25 Mar 2024 21:23	1
HS24031301-05	4C20016-05	19 Mar 2024 16:47		25 Mar 2024 10:30	25 Mar 2024 21:25	1
HS24031301-06	4C20016-06	19 Mar 2024 17:45		25 Mar 2024 10:30	25 Mar 2024 21:27	1
Batch ID: R462208 (0)		Test Name : DISSOLVED GASES BY RSK-175			Matrix: Water	
HS24031301-01	4C20016-01	19 Mar 2024 12:40			27 Mar 2024 09:45	1
HS24031301-02	4C20016-02	19 Mar 2024 13:36			25 Mar 2024 13:02	1
HS24031301-03	4C20016-03	19 Mar 2024 14:42			25 Mar 2024 13:19	1
HS24031301-04	4C20016-04	19 Mar 2024 15:30			25 Mar 2024 13:33	1
HS24031301-05	4C20016-05	19 Mar 2024 16:47			25 Mar 2024 15:36	500
HS24031301-05	4C20016-05	19 Mar 2024 16:47			25 Mar 2024 13:45	1
HS24031301-06	4C20016-06	19 Mar 2024 17:45			25 Mar 2024 15:26	50
HS24031301-06	4C20016-06	19 Mar 2024 17:45			25 Mar 2024 13:55	1
Batch ID: R462457 (0)		Test Name : TOTAL ORGANIC CARBON BY E415.1			Matrix: Water	
HS24031301-01	4C20016-01	19 Mar 2024 12:40			27 Mar 2024 20:44	1
HS24031301-03	4C20016-03	19 Mar 2024 14:42			27 Mar 2024 21:12	1
HS24031301-04	4C20016-04	19 Mar 2024 15:30			27 Mar 2024 21:28	1
HS24031301-05	4C20016-05	19 Mar 2024 16:47			27 Mar 2024 21:43	10
Batch ID: R462502 (0)		Test Name : TOTAL ORGANIC CARBON BY E415.1			Matrix: Water	
HS24031301-02	4C20016-02	19 Mar 2024 13:36			28 Mar 2024 15:11	1
HS24031301-06	4C20016-06	19 Mar 2024 17:45			28 Mar 2024 16:10	5

ALS Houston, US

Date: 28-Mar-24

Client: Permian Basin Environmental Lab, LP
Project: 4C20016
WorkOrder: HS24031301

QC BATCH REPORT

Batch ID: R462208 (0)		Instrument: FID-4		Method: DISSOLVED GASES BY RSK-175						
MBLK	Sample ID: MBLK-240325	Units: ug/L			Analysis Date: 25-Mar-2024 07:52					
Client ID:	Run ID: FID-4_462208			SeqNo: 7907868		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-240325	Units: ug/L			Analysis Date: 25-Mar-2024 08:01					
Client ID:	Run ID: FID-4_462208			SeqNo: 7907869		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ethane	18	1.00	18.04	0	99.8	75 - 125				
Ethene	15.8	1.00	16.8	0	94.1	75 - 125				
Methane	9.39	0.500	9.647	0	97.3	75 - 125				
LCSD	Sample ID: LCSD-240325	Units: ug/L			Analysis Date: 25-Mar-2024 08:09					
Client ID:	Run ID: FID-4_462208			SeqNo: 7907870		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ethane	17.37	1.00	18.04	0	96.3	75 - 125	18	3.59	30	
Ethene	14.39	1.00	16.8	0	85.6	75 - 125	15.8	9.37	30	
Methane	9.128	0.500	9.647	0	94.6	75 - 125	9.39	2.82	30	
The following samples were analyzed in this batch:		HS24031301-01		HS24031301-02		HS24031301-03		HS24031301-04		
		HS24031301-05		HS24031301-06						

ALS Houston, US

Date: 28-Mar-24

Client: Permian Basin Environmental Lab, LP
Project: 4C20016
WorkOrder: HS24031301

QC BATCH REPORT

Batch ID: 209351 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
MBLK	Sample ID: MBLK-209351	Units: mg/L		Analysis Date: 25-Mar-2024 20:53					
Client ID:	Run ID: ICPMS06_462098	SeqNo: 7906807		PrepDate: 25-Mar-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	ND	0.200							
Manganese	ND	0.00500							
LCS	Sample ID: LCS-209351	Units: mg/L		Analysis Date: 25-Mar-2024 20:55					
Client ID:	Run ID: ICPMS06_462098	SeqNo: 7906808		PrepDate: 25-Mar-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	4.985	0.200	5	0	99.7	80 - 120			
Manganese	0.04711	0.00500	0.05	0	94.2	80 - 120			
MS	Sample ID: HS24031300-01MS	Units: mg/L		Analysis Date: 25-Mar-2024 21:00					
Client ID:	Run ID: ICPMS06_462098	SeqNo: 7906811		PrepDate: 25-Mar-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	5.584	0.200	5	1.074	90.2	75 - 125			
Manganese	0.09428	0.00500	0.05	0.04907	90.4	75 - 125			
MSD	Sample ID: HS24031300-01MSD	Units: mg/L		Analysis Date: 25-Mar-2024 21:02					
Client ID:	Run ID: ICPMS06_462098	SeqNo: 7906812		PrepDate: 25-Mar-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	5.402	0.200	5	1.074	86.6	75 - 125	5.584	3.32	20
Manganese	0.09099	0.00500	0.05	0.04907	83.8	75 - 125	0.09428	3.56	20
PDS	Sample ID: HS24031300-01PDS	Units: mg/L		Analysis Date: 25-Mar-2024 21:04					
Client ID:	Run ID: ICPMS06_462098	SeqNo: 7906813		PrepDate: 25-Mar-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	10.44	0.200	10	1.074	93.7	75 - 125			
Manganese	0.1353	0.00500	0.1	0.04907	86.2	75 - 125			

ALS Houston, US

Date: 28-Mar-24

Client:Permian Basin Environmental Lab, LP

Project:4C20016

WorkOrder:HS24031301

QC BATCH REPORT

Batch ID: 209351 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)							
SD	Sample ID: HS24031300-01SD		Units: mg/L		Analysis Date: 25-Mar-2024 20:58						
Client ID:		Run ID: ICPMS06_462098		SeqNo: 7906810		PrepDate: 25-Mar-2024		DF: 5			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	Limit	Qual	
Iron	1.151	1.00					1.074	7.11	10		
Manganese	0.0508	0.0250					0.04907	3.52	10		
The following samples were analyzed in this batch:				HS24031301-01		HS24031301-02		HS24031301-03		HS24031301-04	
				HS24031301-05		HS24031301-06					

ALS Houston, US

Date: 28-Mar-24

Client: Permian Basin Environmental Lab, LP
Project: 4C20016
WorkOrder: HS24031301

QC BATCH REPORT

Batch ID: R462457 (0)		Instrument: TOC_05		Method: TOTAL ORGANIC CARBON BY E415.1					
MBLK	Sample ID: MBLK-03272024	Units: mg/L		Analysis Date: 27-Mar-2024 19:59					
Client ID:	Run ID: TOC_05_462457	SeqNo: 7913384		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Organic Carbon, Total	ND	1.00							
LCS	Sample ID: LCS-03272024	Units: mg/L		Analysis Date: 27-Mar-2024 20:14					
Client ID:	Run ID: TOC_05_462457	SeqNo: 7913385		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Organic Carbon, Total	9.802	1.00	10	0	98.0	85 - 115			
LCSD	Sample ID: LCSD-0327024	Units: mg/L		Analysis Date: 27-Mar-2024 20:30					
Client ID:	Run ID: TOC_05_462457	SeqNo: 7913386		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Organic Carbon, Total	9.89	1.00	10	0	98.9	85 - 115	9.802	0.894	20
MS	Sample ID: HS24031257-01MS	Units: mg/L		Analysis Date: 27-Mar-2024 23:11					
Client ID:	Run ID: TOC_05_462457	SeqNo: 7913396		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Organic Carbon, Total	13.83	1.00	10	4.052	97.8	80 - 120			
The following samples were analyzed in this batch:									
HS24031301-01		HS24031301-03		HS24031301-04		HS24031301-05			

ALS Houston, US

Date: 28-Mar-24

Client: Permian Basin Environmental Lab, LP
Project: 4C20016
WorkOrder: HS24031301

QC BATCH REPORT

Batch ID: R462502 (0)		Instrument: TOC_05		Method: TOTAL ORGANIC CARBON BY E415.1					
MBLK	Sample ID: MBLK-03282024	Units: mg/L		Analysis Date: 28-Mar-2024 14:25					
Client ID:	Run ID: TOC_05_462502	SeqNo: 7914307		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Organic Carbon, Total	ND	1.00							
LCS	Sample ID: LCS-03282024	Units: mg/L		Analysis Date: 28-Mar-2024 14:41					
Client ID:	Run ID: TOC_05_462502	SeqNo: 7914308		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Organic Carbon, Total	9.909	1.00	10	0	99.1	85 - 115			
LCSD	Sample ID: LCSD-0328024	Units: mg/L		Analysis Date: 28-Mar-2024 14:57					
Client ID:	Run ID: TOC_05_462502	SeqNo: 7914309		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Organic Carbon, Total	9.992	1.00	10	0	99.9	85 - 115	9.909	0.834	20
MS	Sample ID: HS24031301-02MS	Units: mg/L		Analysis Date: 28-Mar-2024 15:28					
Client ID: 4C20016-02	Run ID: TOC_05_462502	SeqNo: 7914311		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Organic Carbon, Total	12.69	1.00	10	1.8	109	80 - 120			
The following samples were analyzed in this batch:									
HS24031301-02 HS24031301-06									

ALS Houston, US

Date: 28-Mar-24

Client: Permian Basin Environmental Lab, LP
Project: 4C20016
WorkOrder: HS24031301

**QUALIFIERS,
ACRONYMS, UNITS**

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

ALS Houston, US

Date: 28-Mar-24

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
California	2919; 2024	30-Apr-2024
Dept of Defense	L22-90-R2	31-Mar-2024
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 - 2024	31-Dec-2024
North Dakota	R-193 2023-2024	30-Apr-2024
Oklahoma	2023-140	31-Aug-2024
Texas	T104704231-23-32	30-Apr-2024
Utah	TX026932023-14	31-Jul-2024

ALS Houston, US

Date: 28-Mar-24

Sample Receipt Checklist

Work Order ID: HS24031301

Date/Time Received: 21-Mar-2024 09:50

Client Name: Permian Basin Lab

Received by: Si Ma

Completed By: /S/ Michael Lucio	22-Mar-2024 18:19	Reviewed by: /S/ Anna Kinchen	25-Mar-2024 15:26
eSignature	Date/Time	eSignature	Date/Time

Matrices: WCarrier name: FedEx

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Samplers name present on COC?	Yes ☐	No ☒	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	

Temperature(s)/Thermometer(s):

1.2uc/1.1c IR31

Cooler(s)/Kit(s):

red

Date/Time sample(s) sent to storage:

03/22/2024 18:20

Water - VOA vials have zero headspace?

Yes ☒ No ☐ No VOA vials submitted ☐

Water - pH acceptable upon receipt?

Yes ☒ No ☐ N/A ☐

pH adjusted?

Yes ☐ No ☒ N/A ☐

pH adjusted by:

Login Notes: pH lot: 30010709702

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

Corrective Action:

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235
PBELAB SUB COC V2

Project Manager: Brent Barron

Project Name: SUBCONTRACT

Company Name PBEL

Project #:

Company Address: 1400 Rankin HWY

Project Loc:

City/State/Zip: Midland Texas 79701

PO #:

Telephone No: 432-661-4184

Fax No:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: N/A

e-mail: brentbarron@pbelab.com

HS24031301

Permian Basin Environmental Lab, LP
4C20016

[illegible]

ORIGIN ID:MAFA (432) 686-7235
 BRENT BARRON
 PRE LAB
 1400 RANKIN HWY
 MIDLAND, TX 79701
 UNITED STATES US

SHIP DATE: 20MAR24
 ACTWGT: 35.00 LB
 CAD: 107136846/INET14535
 DIMS: 15x17x9 IN

BILL RECIPIENT

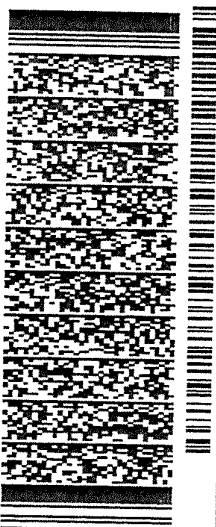
TO **SAMPLE RECEIVING**
ALS-HOUSTON
10450 STANCLIFF RD

HOUSTON TX 77099
 REF: (281) 530-5615
 INV:

PO:

DEPT:

583J2/6538/9AE3



J241024011001ru

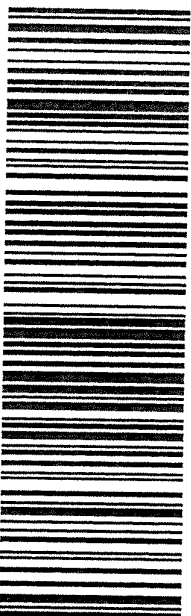
TRK# 7756 2576 1903
 0207

THU - 21 MAR 5:00P
 STANDARD OVERNIGHT

AB SGRA

77099

TX-US IAH



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



Analytical Report

Prepared for:

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

Project: HDO 90-23
Project Number: TNM HDO 90-23
Location: Lea County, New Mexico
Lab Order Number: 4F05011



Current Certification

Report Date: 06/07/24

TRC Solutions- Midland, Texas	Project: HDO 90-23
10 Desta Dr STE 150E	Project Number: TNM HDO 90-23
Midland TX, 79705	Project Manager: Jonathan Repman

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
RW-1	4F05011-01	Water	06/04/24 18:20	06-05-2024 08:12

TRC Solutions- Midland, Texas	Project: HDO 90-23
10 Desta Dr STE 150E	Project Number: TNM HDO 90-23
Midland TX, 79705	Project Manager: Jonathan Repman

RW-1
4F05011-01 (Water)

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

Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 16:43	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 16:43	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 16:43	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 16:43	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 16:43	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	109 %		80-120		P4F0518	06/05/24 13:10	06/05/24 16:43	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	87.6 %		80-120		P4F0518	06/05/24 13:10	06/05/24 16:43	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: HDO 90-23
Project Number: TNM HDO 90-23
Project Manager: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4F0518 - * DEFAULT PREP *****

Blank (P4F0518-BLK1)

Prepared & Analyzed: 06/05/24

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	0.129		"	0.120		107	80-120			
Surrogate: 1,4-Difluorobenzene	0.105		"	0.120		87.3	80-120			

LCS (P4F0518-BS1)

Prepared & Analyzed: 06/05/24

Benzene	0.0838	0.00100	mg/L	0.100		83.8	80-120			
Toluene	0.0878	0.00100	"	0.100		87.8	80-120			
Ethylbenzene	0.101	0.00100	"	0.100		101	80-120			
Xylene (p/m)	0.211	0.00200	"	0.200		105	80-120			
Xylene (o)	0.0936	0.00100	"	0.100		93.6	80-120			
Surrogate: 4-Bromofluorobenzene	0.138		"	0.120		115	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		100	80-120			

LCS Dup (P4F0518-BSD1)

Prepared & Analyzed: 06/05/24

Benzene	0.0848	0.00100	mg/L	0.100		84.8	80-120	1.19	20	
Toluene	0.0840	0.00100	"	0.100		84.0	80-120	4.35	20	
Ethylbenzene	0.0958	0.00100	"	0.100		95.8	80-120	5.30	20	
Xylene (p/m)	0.200	0.00200	"	0.200		99.8	80-120	5.40	20	
Xylene (o)	0.0889	0.00100	"	0.100		88.9	80-120	5.07	20	
Surrogate: 4-Bromofluorobenzene	0.133		"	0.120		111	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.5	80-120			

Calibration Blank (P4F0518-CCB1)

Prepared & Analyzed: 06/05/24

Benzene	0.150		ug/l							
Toluene	0.170		"							
Ethylbenzene	0.260		"							
Xylene (p/m)	0.750		"							
Xylene (o)	0.160		"							
Surrogate: 4-Bromofluorobenzene	0.125		"	0.120		104	80-120			
Surrogate: 1,4-Difluorobenzene	0.106		"	0.120		88.2	80-120			

Permian Basin Environmental Lab, L.P.

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

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

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

Project: HDO 90-23
Project Number: TNM HDO 90-23
Project Manager: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4F0518 - * DEFAULT PREP *****

Calibration Blank (P4F0518-CCB2)

Prepared & Analyzed: 06/05/24

Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.340		"							
Xylene (p/m)	1.10		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		104	80-120			
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		90.7	80-120			

Calibration Check (P4F0518-CCV1)

Prepared & Analyzed: 06/05/24

Benzene	0.0801	0.00100	mg/L	0.100		80.1	80-120			
Toluene	0.0829	0.00100	"	0.100		82.9	80-120			
Ethylbenzene	0.0813	0.00100	"	0.100		81.3	80-120			
Xylene (p/m)	0.179	0.00200	"	0.200		89.5	80-120			
Xylene (o)	0.0835	0.00100	"	0.100		83.5	80-120			
Surrogate: 4-Bromofluorobenzene	0.131		"	0.120		109	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		100	80-120			

Calibration Check (P4F0518-CCV2)

Prepared & Analyzed: 06/05/24

Benzene	0.111	0.00100	mg/L	0.100		111	80-120			
Toluene	0.110	0.00100	"	0.100		110	80-120			
Ethylbenzene	0.112	0.00100	"	0.100		112	80-120			
Xylene (p/m)	0.235	0.00200	"	0.200		117	80-120			
Xylene (o)	0.111	0.00100	"	0.100		111	80-120			
Surrogate: 4-Bromofluorobenzene	0.131		"	0.120		109	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.6	80-120			

Calibration Check (P4F0518-CCV3)

Prepared: 06/05/24 Analyzed: 06/06/24

Benzene	0.114	0.00100	mg/L	0.100		114	80-120			
Toluene	0.113	0.00100	"	0.100		113	80-120			
Ethylbenzene	0.109	0.00100	"	0.100		109	80-120			
Xylene (p/m)	0.236	0.00200	"	0.200		118	80-120			
Xylene (o)	0.113	0.00100	"	0.100		113	80-120			
Surrogate: 4-Bromofluorobenzene	0.132		"	0.120		110	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		103	80-120			

Permian Basin Environmental Lab, L.P.

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

TRC Solutions- Midland, Texas	Project: HDO 90-23
10 Desta Dr STE 150E	Project Number: TNM HDO 90-23
Midland TX, 79705	Project Manager: Jonathan Repman

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4F0518 - *** DEFAULT PREP ***

Matrix Spike (P4F0518-MS1)	Source: 4F05011-01			Prepared & Analyzed: 06/05/24						
Benzene	0.112	0.00100	mg/L	0.100	0.000570	111	80-120			
Toluene	0.105	0.00100	"	0.100	0.000730	105	80-120			
Ethylbenzene	0.117	0.00100	"	0.100	ND	117	80-120			
Xylene (p/m)	0.227	0.00200	"	0.200	0.00124	113	80-120			
Xylene (o)	0.103	0.00100	"	0.100	ND	103	80-120			
Surrogate: 4-Bromofluorobenzene	0.127		"	0.120		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.8	80-120			

Matrix Spike Dup (P4F0518-MSD1)	Source: 4F05011-01			Prepared & Analyzed: 06/05/24						
Benzene	0.111	0.00100	mg/L	0.100	0.000570	111	80-120	0.441	20	
Toluene	0.105	0.00100	"	0.100	0.000730	104	80-120	0.460	20	
Ethylbenzene	0.117	0.00100	"	0.100	ND	117	80-120	0.324	20	
Xylene (p/m)	0.225	0.00200	"	0.200	0.00124	112	80-120	0.729	20	
Xylene (o)	0.102	0.00100	"	0.100	ND	102	80-120	1.45	20	
Surrogate: 4-Bromofluorobenzene	0.127		"	0.120		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.5	80-120			

Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23
Project Number: TNM HDO 90-23
Project Manager: Jonathan Repman

Notes and Definitions

ROI Received on Ice

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

NPBEL C Chain of Custody was not generated at PBELAB

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By: _____



Date: 6/7/2024

Brent Barron, Laboratory Director/Technical Director

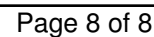
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If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

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



Page 1 of 1

HDO 90-23

SRS: TNM HDO 90-23

Lea County, NM

PO #:

☒ Standard ☐ TRRP ☐ NPDES

jirepman@trccompanies.com

bokator@trccompanies.com

Preservation & # of Containers

Standard TAT	
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Received: 41 °C

Released to Imaging: 11/14/2025 11:09:38 AM

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



Analytical Report

Prepared for:

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Location: Lea County, NM
Lab Order Number: 4F05012



Current Certification

Report Date: 07/05/24

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-17	4F05012-01	Water	06/04/24 11:15	06-05-2024 08:12
MW-9	4F05012-02	Water	06/04/24 12:26	06-05-2024 08:12
RW-2	4F05012-03	Water	06/04/24 13:38	06-05-2024 08:12
MW-3	4F05012-04	Water	06/04/24 14:47	06-05-2024 08:12
MW-2	4F05012-05	Water	06/04/24 16:23	06-05-2024 08:12
MW-6	4F05012-06	Water	06/04/24 17:56	06-05-2024 08:12

Dissolved Iron and Manganese, TOC, and RSK-175 analysis were subcontracted to ALS Houston. Their report is attached after the Chain of Custody. Their TCEQ TNI certification number can be found here:

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

MW-17
4F05012-01 (Water)

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

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 17:05	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 17:05	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 17:05	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 17:05	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 17:05	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	108 %		80-120		P4F0518	06/05/24 13:10	06/05/24 17:05	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	87.7 %		80-120		P4F0518	06/05/24 13:10	06/05/24 17:05	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P4F2105	06/08/24 10:00	06/08/24 14:26	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4F2105	06/08/24 10:00	06/08/24 14:26	8015M	SUB-13
Methane	0.000745	0.000500	mg/L	1	P4F2105	06/08/24 10:00	06/08/24 14:26	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	4.00	2.00	mg/L	1	P4G0308	06/15/24 10:00	07/03/24 16:38	8000	
Nitrate as N	1.16	0.200	mg/L	1	P4F0520	06/05/24 13:39	06/07/24 16:04	EPA 300.0	
Sulfate	73.5	1.00	mg/L	1	P4F1005	06/10/24 16:02	06/10/24 17:50	EPA 300.0	
Total Organic Carbon	2.78	1.00	mg/L	1	P4F2105	06/13/24 00:00	06/13/24 05:44	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P4F2105	06/10/24 08:00	06/12/24 19:51	EPA 6020A	SUB-13
Manganese	ND	0.00500	mg/L	1	P4F2105	06/10/24 08:00	06/12/24 19:51	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

MW-9
4F05012-02 (Water)

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

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 17:27	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 17:27	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 17:27	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 17:27	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 17:27	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	108 %		80-120		P4F0518	06/05/24 13:10	06/05/24 17:27	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	88.1 %		80-120		P4F0518	06/05/24 13:10	06/05/24 17:27	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P4F2105	06/08/24 10:00	06/08/24 14:34	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4F2105	06/08/24 10:00	06/08/24 14:34	8015M	SUB-13
Methane	0.00118	0.000500	mg/L	1	P4F2105	06/08/24 10:00	06/08/24 14:34	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	5.00	2.00	mg/L	1	P4G0308	06/15/24 10:00	07/03/24 16:38	8000	
Nitrate as N	0.880	0.200	mg/L	1	P4F0520	06/05/24 13:39	06/07/24 16:56	EPA 300.0	
Sulfate	73.5	1.00	mg/L	1	P4F1005	06/10/24 16:02	06/10/24 18:42	EPA 300.0	
Total Organic Carbon	3.87	1.00	mg/L	1	P4F2105	06/13/24 00:00	06/13/24 05:56	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P4F2105	06/10/24 08:00	06/12/24 20:14	EPA 6020A	SUB-13
Manganese	0.00596	0.00500	mg/L	1	P4F2105	06/10/24 08:00	06/12/24 20:14	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

RW-2
4F05012-03 (Water)

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

Organics by GC

Benzene	0.0119	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 17:49	EPA 8021B	
Toluene	0.00370	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 17:49	EPA 8021B	
Ethylbenzene	0.00327	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 17:49	EPA 8021B	
Xylene (p/m)	0.00610	0.00200	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 17:49	EPA 8021B	
Xylene (o)	0.00337	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 17:49	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>98.6 %</i>				<i>P4F0518</i>	<i>06/05/24 13:10</i>	<i>06/05/24 17:49</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>82.4 %</i>				<i>P4F0518</i>	<i>06/05/24 13:10</i>	<i>06/05/24 17:49</i>	<i>EPA 8021B</i>	
Ethane	ND	0.00100	mg/L	1	P4F2105	06/08/24 10:00	06/08/24 14:44	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4F2105	06/08/24 10:00	06/08/24 14:44	8015M	SUB-13
Methane	8.39	0.250	mg/L	1	P4F2105	06/08/24 10:00	06/08/24 14:44	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	205	2.00	mg/L	1	P4F1908	06/19/24 10:27	06/19/24 12:38	8000	
Nitrate as N	0.318	0.200	mg/L	1	P4F0520	06/05/24 13:39	06/07/24 17:14	EPA 300.0	
Sulfate	3.79	1.00	mg/L	1	P4F1005	06/10/24 16:02	06/10/24 18:59	EPA 300.0	
Total Organic Carbon	73.8	10.0	mg/L	1	P4F2105	06/13/24 00:00	06/13/24 06:08	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	2.23	0.200	mg/L	1	P4F2105	06/10/24 08:00	06/12/24 20:17	EPA 6020A	SUB-13
Manganese	0.114	0.00500	mg/L	1	P4F2105	06/10/24 08:00	06/12/24 20:17	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

MW-3
4F05012-04 (Water)

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

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 18:12	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 18:12	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 18:12	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 18:12	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 18:12	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	106 %		80-120		P4F0518	06/05/24 13:10	06/05/24 18:12	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	88.8 %		80-120		P4F0518	06/05/24 13:10	06/05/24 18:12	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P4F2105	06/08/24 10:00	06/08/24 14:59	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4F2105	06/08/24 10:00	06/08/24 14:59	8015M	SUB-13
Methane	0.0367	0.000500	mg/L	1	P4F2105	06/08/24 10:00	06/08/24 14:59	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	30.0	2.00	mg/L	1	P4G0308	06/15/24 10:00	07/03/24 16:38	8000	
Nitrate as N	0.305	0.200	mg/L	1	P4F0520	06/05/24 13:39	06/07/24 17:31	EPA 300.0	
Sulfate	43.7	1.00	mg/L	1	P4F1005	06/10/24 16:02	06/10/24 19:16	EPA 300.0	
Total Organic Carbon	14.3	10.0	mg/L	1	P4F2105	06/13/24 00:00	06/13/24 06:19	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P4F2105	06/10/24 08:00	06/12/24 20:19	EPA 6020A	SUB-13
Manganese	0.103	0.00500	mg/L	1	P4F2105	06/10/24 08:00	06/12/24 20:19	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

MW-2
4F05012-05 (Water)

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

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 18:34	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 18:34	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 18:34	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 18:34	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 18:34	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	107 %	80-120			P4F0518	06/05/24 13:10	06/05/24 18:34	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	87.8 %	80-120			P4F0518	06/05/24 13:10	06/05/24 18:34	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P4F2105	06/08/24 10:00	06/08/24 15:19	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4F2105	06/08/24 10:00	06/08/24 15:19	8015M	SUB-13
Methane	0.00430	0.000500	mg/L	1	P4F2105	06/08/24 10:00	06/08/24 15:19	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	9.00	2.00	mg/L	1	P4F1908	06/19/24 10:27	06/19/24 12:38	8000	
Nitrate as N	0.311	0.200	mg/L	1	P4F0520	06/05/24 13:39	06/07/24 17:48	EPA 300.0	
Sulfate	232	1.00	mg/L	1	P4F1005	06/10/24 16:02	06/10/24 19:34	EPA 300.0	
Total Organic Carbon	10.0	10.0	mg/L	1	P4F2105	06/13/24 00:00	06/13/24 07:34	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	2.24	0.200	mg/L	1	P4F2105	06/10/24 08:00	06/12/24 20:21	EPA 6020A	SUB-13
Manganese	0.265	0.00500	mg/L	1	P4F2105	06/10/24 08:00	06/12/24 20:21	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

MW-6
4F05012-06 (Water)

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

Organics by GC

Benzene	0.251	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 18:56	EPA 8021B	
Toluene	0.00608	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 18:56	EPA 8021B	
Ethylbenzene	0.966	0.00500	mg/L	5	P4F0518	06/05/24 13:10	06/06/24 09:31	EPA 8021B	
Xylene (p/m)	0.457	0.00200	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 18:56	EPA 8021B	
Xylene (o)	0.0526	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 18:56	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>95.0 %</i>		<i>80-120</i>		<i>P4F0518</i>	<i>06/05/24 13:10</i>	<i>06/05/24 18:56</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>83.7 %</i>		<i>80-120</i>		<i>P4F0518</i>	<i>06/05/24 13:10</i>	<i>06/05/24 18:56</i>	<i>EPA 8021B</i>	
Ethane	0.0654	0.0500	mg/L	1	P4F2105	06/08/24 10:00	06/10/24 15:10	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4F2105	06/08/24 10:00	06/08/24 15:33	8015M	SUB-13
Methane	0.725	0.0250	mg/L	1	P4F2105	06/08/24 10:00	06/10/24 15:10	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	130	2.00	mg/L	1	P4F1908	06/19/24 10:27	06/19/24 12:38	8000	
Nitrate as N	0.634	0.200	mg/L	1	P4F0520	06/05/24 13:39	06/07/24 18:06	EPA 300.0	
Sulfate	64.5	1.00	mg/L	1	P4F1005	06/10/24 16:02	06/10/24 19:51	EPA 300.0	
Total Organic Carbon	11.4	10.0	mg/L	1	P4F2105	06/13/24 00:00	06/13/24 12:23	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P4F2105	06/10/24 08:00	06/12/24 20:23	EPA 6020A	SUB-13
Manganese	0.00516	0.00500	mg/L	1	P4F2105	06/10/24 08:00	06/12/24 20:23	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4F0518 - * DEFAULT PREP *****

Blank (P4F0518-BLK1)

Prepared & Analyzed: 06/05/24

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	0.129		"	0.120		107	80-120			
Surrogate: 1,4-Difluorobenzene	0.105		"	0.120		87.3	80-120			

LCS (P4F0518-BS1)

Prepared & Analyzed: 06/05/24

Benzene	0.0838	0.00100	mg/L	0.100		83.8	80-120			
Toluene	0.0878	0.00100	"	0.100		87.8	80-120			
Ethylbenzene	0.101	0.00100	"	0.100		101	80-120			
Xylene (p/m)	0.211	0.00200	"	0.200		105	80-120			
Xylene (o)	0.0936	0.00100	"	0.100		93.6	80-120			
Surrogate: 4-Bromofluorobenzene	0.138		"	0.120		115	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		100	80-120			

LCS Dup (P4F0518-BS1)

Prepared & Analyzed: 06/05/24

Benzene	0.0848	0.00100	mg/L	0.100		84.8	80-120	1.19	20	
Toluene	0.0840	0.00100	"	0.100		84.0	80-120	4.35	20	
Ethylbenzene	0.0958	0.00100	"	0.100		95.8	80-120	5.30	20	
Xylene (p/m)	0.200	0.00200	"	0.200		99.8	80-120	5.40	20	
Xylene (o)	0.0889	0.00100	"	0.100		88.9	80-120	5.07	20	
Surrogate: 4-Bromofluorobenzene	0.133		"	0.120		111	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.5	80-120			

Calibration Blank (P4F0518-CCB1)

Prepared & Analyzed: 06/05/24

Benzene	0.150		ug/l							
Toluene	0.170		"							
Ethylbenzene	0.260		"							
Xylene (p/m)	0.750		"							
Xylene (o)	0.160		"							
Surrogate: 4-Bromofluorobenzene	0.125		"	0.120		104	80-120			
Surrogate: 1,4-Difluorobenzene	0.106		"	0.120		88.2	80-120			

Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4F0518 - * DEFAULT PREP *****

Calibration Blank (P4F0518-CCB2)

Prepared & Analyzed: 06/05/24

Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.340		"							
Xylene (p/m)	1.10		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		104	80-120			
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		90.7	80-120			

Calibration Check (P4F0518-CCV1)

Prepared & Analyzed: 06/05/24

Benzene	0.0801	0.00100	mg/L	0.100		80.1	80-120			
Toluene	0.0829	0.00100	"	0.100		82.9	80-120			
Ethylbenzene	0.0813	0.00100	"	0.100		81.3	80-120			
Xylene (p/m)	0.179	0.00200	"	0.200		89.5	80-120			
Xylene (o)	0.0835	0.00100	"	0.100		83.5	80-120			
Surrogate: 4-Bromofluorobenzene	0.131		"	0.120		109	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		100	80-120			

Calibration Check (P4F0518-CCV2)

Prepared & Analyzed: 06/05/24

Benzene	0.111	0.00100	mg/L	0.100		111	80-120			
Toluene	0.110	0.00100	"	0.100		110	80-120			
Ethylbenzene	0.112	0.00100	"	0.100		112	80-120			
Xylene (p/m)	0.235	0.00200	"	0.200		117	80-120			
Xylene (o)	0.111	0.00100	"	0.100		111	80-120			
Surrogate: 4-Bromofluorobenzene	0.131		"	0.120		109	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.6	80-120			

Calibration Check (P4F0518-CCV3)

Prepared: 06/05/24 Analyzed: 06/06/24

Benzene	0.114	0.00100	mg/L	0.100		114	80-120			
Toluene	0.113	0.00100	"	0.100		113	80-120			
Ethylbenzene	0.109	0.00100	"	0.100		109	80-120			
Xylene (p/m)	0.236	0.00200	"	0.200		118	80-120			
Xylene (o)	0.113	0.00100	"	0.100		113	80-120			
Surrogate: 4-Bromofluorobenzene	0.132		"	0.120		110	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		103	80-120			

Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4F0518 - * DEFAULT PREP *****

Matrix Spike (P4F0518-MS1)

Source: 4F05011-01

Prepared & Analyzed: 06/05/24

Benzene	0.112	0.00100	mg/L	0.100	0.000570	111	80-120			
Toluene	0.105	0.00100	"	0.100	0.000730	105	80-120			
Ethylbenzene	0.117	0.00100	"	0.100	ND	117	80-120			
Xylene (p/m)	0.227	0.00200	"	0.200	0.00124	113	80-120			
Xylene (o)	0.103	0.00100	"	0.100	ND	103	80-120			
Surrogate: 4-Bromofluorobenzene	0.127		"	0.120		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.8	80-120			

Matrix Spike Dup (P4F0518-MSD1)

Source: 4F05011-01

Prepared & Analyzed: 06/05/24

Benzene	0.111	0.00100	mg/L	0.100	0.000570	111	80-120	0.441	20	
Toluene	0.105	0.00100	"	0.100	0.000730	104	80-120	0.460	20	
Ethylbenzene	0.117	0.00100	"	0.100	ND	117	80-120	0.324	20	
Xylene (p/m)	0.225	0.00200	"	0.200	0.00124	112	80-120	0.729	20	
Xylene (o)	0.102	0.00100	"	0.100	ND	102	80-120	1.45	20	
Surrogate: 4-Bromofluorobenzene	0.127		"	0.120		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.5	80-120			

Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4F0520 - * DEFAULT PREP *****

Blank (P4F0520-BLK1)

Prepared: 06/05/24 Analyzed: 06/07/24

Nitrate as N	ND	0.200	mg/L
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LCS (P4F0520-BS1)

Prepared: 06/05/24 Analyzed: 06/07/24

Nitrate as N	19.5		mg/L	20.0	97.7	90-110
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LCS Dup (P4F0520-BSD1)

Prepared: 06/05/24 Analyzed: 06/07/24

Nitrate as N	19.7		mg/L	20.0	98.3	90-110	0.582	10
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Calibration Check (P4F0520-CCV1)

Prepared: 06/05/24 Analyzed: 06/07/24

Nitrate as N	19.3	0.200	mg/L			90-110
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Calibration Check (P4F0520-CCV2)

Prepared: 06/05/24 Analyzed: 06/07/24

Nitrate as N	19.8	0.200	mg/L			90-110
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Matrix Spike (P4F0520-MS1)

Source: 4F05012-01

Prepared: 06/05/24 Analyzed: 06/07/24

Nitrate as N	19.5		mg/L	20.0	0.231	96.3	80-120
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Matrix Spike Dup (P4F0520-MSD1)

Source: 4F05012-01

Prepared: 06/05/24 Analyzed: 06/07/24

Nitrate as N	19.5		mg/L	20.0	0.231	96.4	80-120	0.174	20
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Batch P4F1005 - * DEFAULT PREP *****

Blank (P4F1005-BLK1)

Prepared & Analyzed: 06/10/24

Sulfate	ND	1.00	mg/L
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LCS (P4F1005-BS1)

Prepared & Analyzed: 06/10/24

Sulfate	20.2		mg/L	20.0	101	90-110
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Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4F1005 - * DEFAULT PREP *****

LCS Dup (P4F1005-BSD1)

Prepared & Analyzed: 06/10/24

Sulfate	20.3		mg/L	20.0		101	90-110	0.410	10	
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Calibration Check (P4F1005-CCV1)

Prepared & Analyzed: 06/10/24

Sulfate	20.4		mg/L	20.0		102	90-110			
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Calibration Check (P4F1005-CCV2)

Prepared & Analyzed: 06/10/24

Sulfate	20.6		mg/L	20.0		103	90-110			
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Matrix Spike (P4F1005-MS1)

Source: 4F05012-01

Prepared & Analyzed: 06/10/24

Sulfate	111		mg/L	100	14.7	96.8	80-120			
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Matrix Spike Dup (P4F1005-MSD1)

Source: 4F05012-01

Prepared & Analyzed: 06/10/24

Sulfate	112		mg/L	100	14.7	96.9	80-120	0.133	20	
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Batch P4F1908 - * DEFAULT PREP *****

Blank (P4F1908-BLK1)

Prepared & Analyzed: 06/19/24

Chemical Oxygen Demand	ND	2.00	mg/L							
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LCS (P4F1908-BS1)

Prepared & Analyzed: 06/19/24

Chemical Oxygen Demand	1060	2.00	mg/L	1000		106	80-120			
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LCS Dup (P4F1908-BSD1)

Prepared & Analyzed: 06/19/24

Chemical Oxygen Demand	1100	2.00	mg/L	1000		110	80-120	3.60	20	
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Calibration Blank (P4F1908-CCB1)

Prepared & Analyzed: 06/19/24

Chemical Oxygen Demand	0.00		mg/L							
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Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4F1908 - * DEFAULT PREP *****

Calibration Check (P4F1908-CCV1)

Prepared & Analyzed: 06/19/24

Chemical Oxygen Demand	917	2.00	mg/L	1000	91.7	80-120
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Calibration Check (P4F1908-CCV2)

Prepared & Analyzed: 06/19/24

Chemical Oxygen Demand	917	2.00	mg/L	1000	91.7	80-120
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Calibration Check (P4F1908-CCV3)

Prepared & Analyzed: 06/19/24

Chemical Oxygen Demand	917	2.00	mg/L	1000	91.7	80-120
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Batch P4G0308 - * DEFAULT PREP *****

Blank (P4G0308-BLK1)

Prepared & Analyzed: 07/03/24

Chemical Oxygen Demand	ND	2.00	mg/L
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LCS (P4G0308-BS1)

Prepared & Analyzed: 07/03/24

Chemical Oxygen Demand	100	2.00	mg/L	100	100	80-120
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Matrix Spike (P4G0308-MS1)

Source: 4F05012-01

Prepared & Analyzed: 07/03/24

Chemical Oxygen Demand	113	2.00	mg/L	100	4.00	109	80-120
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Matrix Spike Dup (P4G0308-MSD1)

Source: 4F05012-01

Prepared & Analyzed: 07/03/24

Chemical Oxygen Demand	111	2.00	mg/L	100	4.00	107	80-120	1.79	20
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Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

Notes and Definitions

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

ROI Received on Ice

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

NPBEL C Chain of Custody was not generated at PBELAB

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

7/5/2024

Brent Barron, Laboratory Director/Technical Director

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

Permian Basin Environmental Lab, L.P.

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



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 1

Project Manager: Jonathan Repman

Project Name: HDO 90-23

Company Name: TRC Environmental Corporation

Project #: SRS: TNM HDO 90-23

Company Address: 10 Desta Drive, Ste 130E

Project Loc: Lea County, NM

City/State/Zip: Midland TX 79705

PO #:

Telephone No: (432) 955-3561

Fax No:

Report Format:

☒ Standard☐ TRRP☐ NPDESSampler Signature: *[Signature]*

e-mail:

jrepman@trccompanies.com

clbryant@paalp.com

bokator@trccompanies.com

(lab use only)

ORDER #:

7B
4506012 4505012

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Ice	HNO ₃	HCl	H ₂ SO ₄	NaOH	Na ₂ S ₂ O ₃	None	Other (Specify)	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Matrix	TOC MW 5310	Dissolved Methane, Ethane, and Ethene by RSK-175	Total Dissolved Metals (Fe and Mn) by SW 6010	Nitrate and Sulfate by E300	COD by SM 5310	Total BTEX by 8260	ANALYZE FOR:	TCLP:	TOTAL:	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	MW-17			6-4-24	1115	1	9	X	1	7	2						GW	X	X	X	X	X	X				X	
2	MW-9				1226	1	9	X	1	7	2						GW	X	X	X	X	X	X				X	
3	RW-2				1338	1	9	X	1	7	2						GW	X	X	X	X	X	X				X	
4	MW-3				1447	1	9	X	1	7	2						GW	X	X	X	X	X	X				X	
5	MW-2				1623	1	9	X	1	7	2						GW	X	X	X	X	X	X				X	
6	MW-6				1756	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

Relinquished by:

Date

Time

Received by:

Date

Time

Relinquished by:

Date

Time

Received by:

Date

Time

Laboratory Comments:

Sample Containers Intact?

VOCs Free of Headspace?

Labels on container(s)?

Custody seals on container(s)?

Sample Hand Delivered by Sampler/Client Rep.?

Temperature Upon Receipt:

Adjusted:

Y

Y

Y

Y

Y

Y

Y

N

N

N

N

N

N

N

N

N

N

N

N

N

N

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235
PBELAB_SUB_COC_V2

Project Manager: Brent Barron

Project Name: SUBCONTRACT

Company Name PBEL

Project #: _____

Company Address: 1400 Rankin HWY

Project Loc: _____

City/State/Zip: Midland Texas 79701

PO #: _____

Telephone No: 432-661-4184

Fax No: _____

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: N/A

e-mail: brentbarron@pbelab.com

[illegible]



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

June 13, 2024

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

Work Order: **HS24060300**

Laboratory Results for: **4F05012**

Dear Brent Barron,

ALS Environmental received 6 sample(s) on Jun 06, 2024 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: 13-Jun-24

Client:

Project:

Work Order:

Permian Basin Environmental Lab, LP
4F05012
HS24060300

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24060300-01	4F05012-01	Water		04-Jun-2024 11:15	06-Jun-2024 09:45	☐
HS24060300-02	4F05012-02	Water		04-Jun-2024 12:26	06-Jun-2024 09:45	☐
HS24060300-03	4F05012-03	Water		04-Jun-2024 13:38	06-Jun-2024 09:45	☐
HS24060300-04	4F05012-04	Water		04-Jun-2024 14:47	06-Jun-2024 09:45	☐
HS24060300-05	4F05012-05	Water		04-Jun-2024 16:23	06-Jun-2024 09:45	☐
HS24060300-06	4F05012-06	Water		04-Jun-2024 17:56	06-Jun-2024 09:45	☐

ALS Houston, US

Date: 13-Jun-24

Client: Permian Basin Environmental Lab, LP
Project: 4F05012
Work Order: HS24060300

CASE NARRATIVE

GC Semivolatiles by Method RSK-175

Batch ID: R468937,R468945

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

Metals by Method SW6020A

Batch ID: 213241

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

WetChemistry by Method E415.1

Batch ID: R469321

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

Batch ID: R469255

Sample ID: HS24060296-01MS

- MS is for an unrelated sample

ALS Houston, US

Date: 13-Jun-24

Client:Permian Basin Environmental Lab, LP

Project:4F05012

Sample ID:4F05012-01

Collection Date:04-Jun-2024 11:15

ANALYTICAL REPORT

WorkOrder:HS24060300

Lab ID:HS24060300-01

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	08-Jun-2024 14:26
Ethene	ND		1.00	ug/L	1	08-Jun-2024 14:26
Methane	0.745		0.500	ug/L	1	08-Jun-2024 14:26
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 10-Jun-2024		Analyst: MSC
Iron	ND		0.200	mg/L	1	12-Jun-2024 19:51
Manganese	ND		0.00500	mg/L	1	12-Jun-2024 19:51
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	2.78		1.00	mg/L	1	13-Jun-2024 05:44

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

ALS Houston, US

Date: 13-Jun-24

Client:Permian Basin Environmental Lab, LP

Project:4F05012

Sample ID:4F05012-02

Collection Date:04-Jun-2024 12:26

ANALYTICAL REPORT

WorkOrder:HS24060300

Lab ID:HS24060300-02

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	08-Jun-2024 14:34
Ethene	ND		1.00	ug/L	1	08-Jun-2024 14:34
Methane	1.18		0.500	ug/L	1	08-Jun-2024 14:34
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 10-Jun-2024 Analyst: MSC		
Iron	ND		0.200	mg/L	1	12-Jun-2024 20:14
Manganese	0.00596		0.00500	mg/L	1	12-Jun-2024 20:14
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	3.87		1.00	mg/L	1	13-Jun-2024 05:56

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

ALS Houston, US

Date: 13-Jun-24

Client:Permian Basin Environmental Lab, LP

Project:4F05012

Sample ID:4F05012-03

Collection Date:04-Jun-2024 13:38

ANALYTICAL REPORT

WorkOrder:HS24060300

Lab ID:HS24060300-03

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	08-Jun-2024 14:44
Ethene	ND		1.00	ug/L	1	08-Jun-2024 14:44
Methane	8,390		250	ug/L	500	10-Jun-2024 14:52
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 10-Jun-2024		Analyst: MSC
Iron	2.23		0.200	mg/L	1	12-Jun-2024 20:17
Manganese	0.114		0.00500	mg/L	1	12-Jun-2024 20:17
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	73.8		10.0	mg/L	10	13-Jun-2024 06:08

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

ALS Houston, US

Date: 13-Jun-24

Client:Permian Basin Environmental Lab, LP

Project:4F05012

Sample ID:4F05012-04

Collection Date:04-Jun-2024 14:47

ANALYTICAL REPORT

WorkOrder:HS24060300

Lab ID:HS24060300-04

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	08-Jun-2024 14:59
Ethene	ND		1.00	ug/L	1	08-Jun-2024 14:59
Methane	36.7		0.500	ug/L	1	08-Jun-2024 14:59
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 10-Jun-2024 Analyst: MSC		
Iron	ND		0.200	mg/L	1	12-Jun-2024 20:19
Manganese	0.103		0.00500	mg/L	1	12-Jun-2024 20:19
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	14.3		10.0	mg/L	10	13-Jun-2024 06:19

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

ALS Houston, US

Date: 13-Jun-24

Client:Permian Basin Environmental Lab, LP

Project:4F05012

Sample ID:4F05012-05

Collection Date:04-Jun-2024 16:23

ANALYTICAL REPORT

WorkOrder:HS24060300

Lab ID:HS24060300-05

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	08-Jun-2024 15:19
Ethene	ND		1.00	ug/L	1	08-Jun-2024 15:19
Methane	4.30		0.500	ug/L	1	08-Jun-2024 15:19
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 10-Jun-2024 Analyst: MSC		
Iron	2.24		0.200	mg/L	1	12-Jun-2024 20:21
Manganese	0.265		0.00500	mg/L	1	12-Jun-2024 20:21
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	10.0		10.0	mg/L	10	13-Jun-2024 07:34

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

ALS Houston, US

Date: 13-Jun-24

Client:Permian Basin Environmental Lab, LP

Project:4F05012

Sample ID:4F05012-06

Collection Date:04-Jun-2024 17:56

ANALYTICAL REPORT

WorkOrder:HS24060300

Lab ID:HS24060300-06

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	65.4		50.0	ug/L	50	10-Jun-2024 15:10
Ethene	ND		1.00	ug/L	1	08-Jun-2024 15:33
Methane	725		25.0	ug/L	50	10-Jun-2024 15:10
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 10-Jun-2024		Analyst: MSC
Iron	ND		0.200	mg/L	1	12-Jun-2024 20:23
Manganese	0.00516		0.00500	mg/L	1	12-Jun-2024 20:23
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	11.4		10.0	mg/L	10	13-Jun-2024 12:23

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

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: 4F05012
WorkOrder: HS24060300

Batch ID: 213241	Start Date: 10 Jun 2024 08:30	End Date: 10 Jun 2024 08:30
Method: DISS METALS PREP - WATER - SW3010A		Prep Code: 3010A DISS

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24060300-01		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24060300-02		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24060300-03		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24060300-04		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24060300-05		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24060300-06		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2

ALS Houston, US

Date: 13-Jun-24

Client: Permian Basin Environmental Lab, LP
Project: 4F05012
WorkOrder: HS24060300

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 213241 (0)		Test Name : DISSOLVED METALS BY SW6020A			Matrix: Water	
HS24060300-01	4F05012-01	04 Jun 2024 11:15		10 Jun 2024 08:30	12 Jun 2024 19:51	1
HS24060300-02	4F05012-02	04 Jun 2024 12:26		10 Jun 2024 08:30	12 Jun 2024 20:14	1
HS24060300-03	4F05012-03	04 Jun 2024 13:38		10 Jun 2024 08:30	12 Jun 2024 20:17	1
HS24060300-04	4F05012-04	04 Jun 2024 14:47		10 Jun 2024 08:30	12 Jun 2024 20:19	1
HS24060300-05	4F05012-05	04 Jun 2024 16:23		10 Jun 2024 08:30	12 Jun 2024 20:21	1
HS24060300-06	4F05012-06	04 Jun 2024 17:56		10 Jun 2024 08:30	12 Jun 2024 20:23	1
Batch ID: R468937 (0)		Test Name : DISSOLVED GASES BY RSK-175			Matrix: Water	
HS24060300-03	4F05012-03	04 Jun 2024 13:38			10 Jun 2024 14:52	500
HS24060300-06	4F05012-06	04 Jun 2024 17:56			10 Jun 2024 15:10	50
Batch ID: R468945 (0)		Test Name : DISSOLVED GASES BY RSK-175			Matrix: Water	
HS24060300-01	4F05012-01	04 Jun 2024 11:15			08 Jun 2024 14:26	1
HS24060300-02	4F05012-02	04 Jun 2024 12:26			08 Jun 2024 14:34	1
HS24060300-03	4F05012-03	04 Jun 2024 13:38			08 Jun 2024 14:44	1
HS24060300-04	4F05012-04	04 Jun 2024 14:47			08 Jun 2024 14:59	1
HS24060300-05	4F05012-05	04 Jun 2024 16:23			08 Jun 2024 15:19	1
HS24060300-06	4F05012-06	04 Jun 2024 17:56			08 Jun 2024 15:33	1
Batch ID: R469255 (0)		Test Name : TOTAL ORGANIC CARBON BY E415.1			Matrix: Water	
HS24060300-01	4F05012-01	04 Jun 2024 11:15			13 Jun 2024 05:44	1
HS24060300-02	4F05012-02	04 Jun 2024 12:26			13 Jun 2024 05:56	1
HS24060300-03	4F05012-03	04 Jun 2024 13:38			13 Jun 2024 06:08	10
HS24060300-04	4F05012-04	04 Jun 2024 14:47			13 Jun 2024 06:19	10
HS24060300-05	4F05012-05	04 Jun 2024 16:23			13 Jun 2024 07:34	10
Batch ID: R469321 (0)		Test Name : TOTAL ORGANIC CARBON BY E415.1			Matrix: Water	
HS24060300-06	4F05012-06	04 Jun 2024 17:56			13 Jun 2024 12:23	10

ALS Houston, US

Date: 13-Jun-24

Client: Permian Basin Environmental Lab, LP
Project: 4F05012
WorkOrder: HS24060300

QC BATCH REPORT

Batch ID: R468937 (0) **Instrument:** FID-4 **Method:** DISSOLVED GASES BY RSK-175

MBLK Sample ID: **MBLK-240610** Units: **ug/L** Analysis Date: **10-Jun-2024 09:01**
 Client ID: Run ID: **FID-4_468937** SeqNo: **8056734** PrepDate: DF: 1
 Analyte Result PQL SPK Val SPK Ref Value %REC Control Limit RPD Ref Value %RPD Limit Qual

Ethane ND 1.00

Methane ND 0.500

LCS Sample ID: **LCS-240610** Units: **ug/L** Analysis Date: **10-Jun-2024 09:33**
 Client ID: Run ID: **FID-4_468937** SeqNo: **8056735** PrepDate: DF: 1
 Analyte Result PQL SPK Val SPK Ref Value %REC Control Limit RPD Ref Value %RPD Limit Qual

Ethane 17.67 1.00 18.04 0 98.0 75 - 125

Methane 9.426 0.500 9.647 0 97.7 75 - 125

LCSD Sample ID: **LCSD-240610** Units: **ug/L** Analysis Date: **10-Jun-2024 09:47**
 Client ID: Run ID: **FID-4_468937** SeqNo: **8056736** PrepDate: DF: 1
 Analyte Result PQL SPK Val SPK Ref Value %REC Control Limit RPD Ref Value %RPD Limit Qual

Ethane 16.91 1.00 18.04 0 93.7 75 - 125 17.67 4.43 30

Methane 9.336 0.500 9.647 0 96.8 75 - 125 9.426 0.957 30

The following samples were analyzed in this batch: HS24060300-03 HS24060300-06

Client:

Permian Basin Environmental Lab, LP

Project:

4F05012

WorkOrder:

HS24060300

QC BATCH REPORT

Batch ID: R468945 (0)		Instrument: FID-4		Method: DISSOLVED GASES BY RSK-175					
MBLK	Sample ID: MBLK-240608	Units: ug/L		Analysis Date: 08-Jun-2024 13:58					
Client ID:	Run ID: FID-4_468945		SeqNo: 8056848		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	ND	1.00							
Ethene	ND	1.00							
Methane	ND	0.500							

LCS	Sample ID: LCS-240608	Units: ug/L		Analysis Date: 08-Jun-2024 14:08					
Client ID:	Run ID: FID-4_468945		SeqNo: 8056849		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	15.23	1.00	18.04	0	84.4	75 - 125			
Ethene	14.91	1.00	16.8	0	88.7	75 - 125			
Methane	8.539	0.500	9.647	0	88.5	75 - 125			

LCSD	Sample ID: LCSD-240608	Units: ug/L		Analysis Date: 08-Jun-2024 14:17					
Client ID:	Run ID: FID-4_468945		SeqNo: 8056871		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	15.37	1.00	18.04	0	85.2	75 - 125	15.23	0.911	30
Ethene	14.82	1.00	16.8	0	88.2	75 - 125	14.91	0.614	30
Methane	8.674	0.500	9.647	0	89.9	75 - 125	8.539	1.57	30

The following samples were analyzed in this batch:

HS24060300-01	HS24060300-02	HS24060300-03	HS24060300-04
HS24060300-05	HS24060300-06		

ALS Houston, US

Date: 13-Jun-24

Client: Permian Basin Environmental Lab, LP
Project: 4F05012
WorkOrder: HS24060300

QC BATCH REPORT

Batch ID: 213241 (0)		Instrument: ICPMS05		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
MBLK	Sample ID: MBLK-213241	Units: mg/L		Analysis Date: 12-Jun-2024 19:47					
Client ID:	Run ID: ICPMS05_469215	SeqNo: 8067054		PrepDate: 10-Jun-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	ND	0.200							
Manganese	ND	0.00500							
LCS	Sample ID: LCS-213241	Units: mg/L		Analysis Date: 12-Jun-2024 19:49					
Client ID:	Run ID: ICPMS05_469215	SeqNo: 8067055		PrepDate: 10-Jun-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	5.133	0.200	5	0	103	80 - 120			
Manganese	0.05042	0.00500	0.05	0	101	80 - 120			
MS	Sample ID: HS24060300-01MS	Units: mg/L		Analysis Date: 12-Jun-2024 19:56					
Client ID: 4F05012-01	Run ID: ICPMS05_469215	SeqNo: 8067058		PrepDate: 10-Jun-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	5.09	0.200	5	0.02204	101	75 - 125			
Manganese	0.04937	0.00500	0.05	0.001865	95.0	75 - 125			
MSD	Sample ID: HS24060300-01MSD	Units: mg/L		Analysis Date: 12-Jun-2024 19:58					
Client ID: 4F05012-01	Run ID: ICPMS05_469215	SeqNo: 8067059		PrepDate: 10-Jun-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	5.192	0.200	5	0.02204	103	75 - 125	5.09	1.99	20
Manganese	0.05069	0.00500	0.05	0.001865	97.6	75 - 125	0.04937	2.63	20
PDS	Sample ID: HS24060300-01PDS	Units: mg/L		Analysis Date: 12-Jun-2024 20:00					
Client ID: 4F05012-01	Run ID: ICPMS05_469215	SeqNo: 8067060		PrepDate: 10-Jun-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	10.25	0.200	10	0.02204	102	75 - 125			
Manganese	0.1008	0.00500	0.1	0.001865	98.9	75 - 125			

ALS Houston, US

Date: 13-Jun-24

Client: Permian Basin Environmental Lab, LP

Project: 4F05012

WorkOrder: HS24060300

QC BATCH REPORT

Batch ID: 213241 (0)		Instrument: ICPMS05		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
SD		Sample ID: HS24060300-01SD		Units: mg/L		Analysis Date: 12-Jun-2024 19:54			
Client ID: 4F05012-01		Run ID: ICPMS05_469215		SeqNo: 8067057		PrepDate: 10-Jun-2024		DF: 5	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit Qual
Iron	ND	1.00					0.02204	0	10
Manganese	ND	0.0250					0.001865	0	10
The following samples were analyzed in this batch:									
		HS24060300-01		HS24060300-02		HS24060300-03		HS24060300-04	
		HS24060300-05		HS24060300-06					

ALS Houston, US

Date: 13-Jun-24

Client: Permian Basin Environmental Lab, LP
Project: 4F05012
WorkOrder: HS24060300

QC BATCH REPORT

Batch ID: R469255 (0)		Instrument: TOC_05		Method: TOTAL ORGANIC CARBON BY E415.1					
MBLK	Sample ID: MBLK-06122024	Units: mg/L		Analysis Date: 13-Jun-2024 04:17					
Client ID:	Run ID: TOC_05_469255	SeqNo: 8067525		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Organic Carbon, Total	ND	1.00							
LCS	Sample ID: LCS-06122024	Units: mg/L		Analysis Date: 13-Jun-2024 04:30					
Client ID:	Run ID: TOC_05_469255	SeqNo: 8067526		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Organic Carbon, Total	10.01	1.00	10	0	100	85 - 115			
LCSD	Sample ID: LCSD-06122024	Units: mg/L		Analysis Date: 13-Jun-2024 04:42					
Client ID:	Run ID: TOC_05_469255	SeqNo: 8067527		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Organic Carbon, Total	10.18	1.00	10	0	102	85 - 115	10.01	1.68	20
MS	Sample ID: HS24060296-01MS	Units: mg/L		Analysis Date: 13-Jun-2024 05:19					
Client ID:	Run ID: TOC_05_469255	SeqNo: 8067529		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Organic Carbon, Total	38.51	1.00	10	25.45	131	80 - 120			S
The following samples were analyzed in this batch:									
HS24060300-01 HS24060300-02 HS24060300-03 HS24060300-04 HS24060300-05									

ALS Houston, US

Date: 13-Jun-24

Client: Permian Basin Environmental Lab, LP
Project: 4F05012
WorkOrder: HS24060300

QC BATCH REPORT

Batch ID: R469321 (0)		Instrument: TOC_05		Method: TOTAL ORGANIC CARBON BY E415.1						
MBLK	Sample ID: MBLK-06132024	Units: mg/L		Analysis Date: 13-Jun-2024 11:47						
Client ID:	Run ID: TOC_05_469321	SeqNo: 8068609		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-06132024	Units: mg/L		Analysis Date: 13-Jun-2024 11:59						
Client ID:	Run ID: TOC_05_469321	SeqNo: 8068610		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	9.849	1.00	10	0	98.5	85 - 115				
LCSD	Sample ID: LCSD-06132024	Units: mg/L		Analysis Date: 13-Jun-2024 12:12						
Client ID:	Run ID: TOC_05_469321	SeqNo: 8068611		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	9.863	1.00	10	0	98.6	85 - 115	9.849	0.142	20	
MS	Sample ID: HS24060152-01MS	Units: mg/L		Analysis Date: 13-Jun-2024 12:48						
Client ID:	Run ID: TOC_05_469321	SeqNo: 8068614		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	13.82	1.00	10	4.372	94.5	80 - 120				
The following samples were analyzed in this batch: HS24060300-06										

ALS Houston, US

Date: 13-Jun-24

Client: Permian Basin Environmental Lab, LP
Project: 4F05012
WorkOrder: HS24060300

**QUALIFIERS,
ACRONYMS, UNITS**

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

ALS Houston, US

Date: 13-Jun-24

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	88-00356_2024	27-Mar-2025
California	2919; 2025	30-Apr-2025
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Kentucky	123043	30-Apr-2025
Louisiana	03087 2023-2024	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624 - 2024	31-Dec-2024
Oklahoma	2023-140	31-Aug-2024
Tennessee	04016	30-Apr-2025
Texas	T104704231 TX-C24-00130	30-Apr-2025
Utah	TX026932023-14	31-Jul-2024

ALS Houston, US

Date: 13-Jun-24

Sample Receipt Checklist

Work Order ID: HS24060300

Date/Time Received: 06-Jun-2024 09:45

Client Name: Permian Basin Lab

Received by: Belinda Gomez

Completed By: /S/ Rajen Giga	06-Jun-2024 12:11	Reviewed by: /S/ Anna Kinchen	07-Jun-2024 09:59
eSignature	Date/Time	eSignature	Date/Time

Matrices: WaterCarrier name: FedEx Priority Overnight

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	COC IDs:0
Samplers name present on COC?	Yes ☐	No ☒	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	
Temperature(s)/Thermometer(s):	4.4uc/4.5c IR#31		
Cooler(s)/Kit(s):	RED		
Date/Time sample(s) sent to storage:	06/06/2024		
Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☒	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☒	N/A ☐
pH adjusted by:			

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

Corrective Action:

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235
PBELAB SUB COC V2

Project Manager: Brent Barron

Project Name: SUBCONTRACT

Company Name PBEL

HS24060300

Company Address: 1400 Rankin HWY

Permian Basin Environmental Lab, LP
4F05012

City/State/Zip: Midland Texas 79701

Telephone No: 432-661-4184

Fax No:

Sampler Signature: N/A

e-mail: brentbarron@pbelab.com

[illegible]

ORIGIN ID: AFA (432) 686-7235
PRET BARRON
PRE LAB
1400 RANKIN HWY
MIDLAND, TX 79701
UNITED STATES US
SHIP DATE: 05 JUN 24
ACTWGHT: 30.00 LB
CAD: 107136366INET74535
DIMS: 17x15x9 IN
BILL RECIPIENT

TO **SAMPLE RECEIVING**
ALS-HOUSTON
10450 STANCLIFF RD

HOUSTON TX 77099

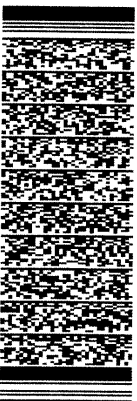
REF:

NY: (281) 530-5615

PO:

DEPT:

583J3/6CA9/9AE3

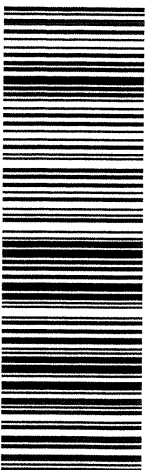


THU - 06 JUN 5:00P
STANDARD OVERNIGHT

TRK# 7767 1899 8454
10201

AB SCRA

77099
TX-US IAH



After printing this label:
CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH
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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](https://www.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**



Analytical Report

Prepared for:

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Location: Lea County, NM
Lab Order Number: 4F05012



Current Certification

Report Date: 07/05/24

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-17	4F05012-01	Water	06/04/24 11:15	06-05-2024 08:12
MW-9	4F05012-02	Water	06/04/24 12:26	06-05-2024 08:12
RW-2	4F05012-03	Water	06/04/24 13:38	06-05-2024 08:12
MW-3	4F05012-04	Water	06/04/24 14:47	06-05-2024 08:12
MW-2	4F05012-05	Water	06/04/24 16:23	06-05-2024 08:12
MW-6	4F05012-06	Water	06/04/24 17:56	06-05-2024 08:12

Dissolved Iron and Manganese, TOC, and RSK-175 analysis were subcontracted to ALS Houston. Their report is attached after the Chain of Custody. Their TCEQ TNI certification number can be found here:

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

MW-17
4F05012-01 (Water)

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

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 17:05	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 17:05	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 17:05	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 17:05	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 17:05	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	108 %		80-120		P4F0518	06/05/24 13:10	06/05/24 17:05	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	87.7 %		80-120		P4F0518	06/05/24 13:10	06/05/24 17:05	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P4F2105	06/08/24 10:00	06/08/24 14:26	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4F2105	06/08/24 10:00	06/08/24 14:26	8015M	SUB-13
Methane	0.000745	0.000500	mg/L	1	P4F2105	06/08/24 10:00	06/08/24 14:26	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	4.00	2.00	mg/L	1	P4G0308	06/15/24 10:00	07/03/24 16:38	8000	
Nitrate as N	1.16	0.200	mg/L	1	P4F0520	06/05/24 13:39	06/07/24 16:04	EPA 300.0	
Sulfate	73.5	1.00	mg/L	1	P4F1005	06/10/24 16:02	06/10/24 17:50	EPA 300.0	
Total Organic Carbon	2.78	1.00	mg/L	1	P4F2105	06/13/24 00:00	06/13/24 05:44	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P4F2105	06/10/24 08:00	06/12/24 19:51	EPA 6020A	SUB-13
Manganese	ND	0.00500	mg/L	1	P4F2105	06/10/24 08:00	06/12/24 19:51	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

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

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

MW-9
4F05012-02 (Water)

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

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 17:27	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 17:27	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 17:27	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 17:27	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 17:27	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	108 %		80-120		P4F0518	06/05/24 13:10	06/05/24 17:27	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	88.1 %		80-120		P4F0518	06/05/24 13:10	06/05/24 17:27	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P4F2105	06/08/24 10:00	06/08/24 14:34	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4F2105	06/08/24 10:00	06/08/24 14:34	8015M	SUB-13
Methane	0.00118	0.000500	mg/L	1	P4F2105	06/08/24 10:00	06/08/24 14:34	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	5.00	2.00	mg/L	1	P4G0308	06/15/24 10:00	07/03/24 16:38	8000	
Nitrate as N	0.880	0.200	mg/L	1	P4F0520	06/05/24 13:39	06/07/24 16:56	EPA 300.0	
Sulfate	73.5	1.00	mg/L	1	P4F1005	06/10/24 16:02	06/10/24 18:42	EPA 300.0	
Total Organic Carbon	3.87	1.00	mg/L	1	P4F2105	06/13/24 00:00	06/13/24 05:56	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P4F2105	06/10/24 08:00	06/12/24 20:14	EPA 6020A	SUB-13
Manganese	0.00596	0.00500	mg/L	1	P4F2105	06/10/24 08:00	06/12/24 20:14	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

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

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

RW-2
4F05012-03 (Water)

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

Organics by GC

Benzene	0.0119	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 17:49	EPA 8021B	
Toluene	0.00370	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 17:49	EPA 8021B	
Ethylbenzene	0.00327	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 17:49	EPA 8021B	
Xylene (p/m)	0.00610	0.00200	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 17:49	EPA 8021B	
Xylene (o)	0.00337	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 17:49	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>98.6 %</i>				<i>P4F0518</i>	<i>06/05/24 13:10</i>	<i>06/05/24 17:49</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>82.4 %</i>				<i>P4F0518</i>	<i>06/05/24 13:10</i>	<i>06/05/24 17:49</i>	<i>EPA 8021B</i>	
Ethane	ND	0.00100	mg/L	1	P4F2105	06/08/24 10:00	06/08/24 14:44	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4F2105	06/08/24 10:00	06/08/24 14:44	8015M	SUB-13
Methane	8.39	0.250	mg/L	1	P4F2105	06/08/24 10:00	06/08/24 14:44	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	205	2.00	mg/L	1	P4F1908	06/19/24 10:27	06/19/24 12:38	8000	
Nitrate as N	0.318	0.200	mg/L	1	P4F0520	06/05/24 13:39	06/07/24 17:14	EPA 300.0	
Sulfate	3.79	1.00	mg/L	1	P4F1005	06/10/24 16:02	06/10/24 18:59	EPA 300.0	
Total Organic Carbon	73.8	10.0	mg/L	1	P4F2105	06/13/24 00:00	06/13/24 06:08	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	2.23	0.200	mg/L	1	P4F2105	06/10/24 08:00	06/12/24 20:17	EPA 6020A	SUB-13
Manganese	0.114	0.00500	mg/L	1	P4F2105	06/10/24 08:00	06/12/24 20:17	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

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

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

MW-3
4F05012-04 (Water)

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

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 18:12	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 18:12	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 18:12	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 18:12	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 18:12	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	106 %		80-120		P4F0518	06/05/24 13:10	06/05/24 18:12	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	88.8 %		80-120		P4F0518	06/05/24 13:10	06/05/24 18:12	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P4F2105	06/08/24 10:00	06/08/24 14:59	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4F2105	06/08/24 10:00	06/08/24 14:59	8015M	SUB-13
Methane	0.0367	0.000500	mg/L	1	P4F2105	06/08/24 10:00	06/08/24 14:59	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	30.0	2.00	mg/L	1	P4G0308	06/15/24 10:00	07/03/24 16:38	8000	
Nitrate as N	0.305	0.200	mg/L	1	P4F0520	06/05/24 13:39	06/07/24 17:31	EPA 300.0	
Sulfate	43.7	1.00	mg/L	1	P4F1005	06/10/24 16:02	06/10/24 19:16	EPA 300.0	
Total Organic Carbon	14.3	10.0	mg/L	1	P4F2105	06/13/24 00:00	06/13/24 06:19	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P4F2105	06/10/24 08:00	06/12/24 20:19	EPA 6020A	SUB-13
Manganese	0.103	0.00500	mg/L	1	P4F2105	06/10/24 08:00	06/12/24 20:19	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

MW-2
4F05012-05 (Water)

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

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 18:34	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 18:34	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 18:34	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 18:34	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 18:34	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	107 %		80-120		P4F0518	06/05/24 13:10	06/05/24 18:34	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	87.8 %		80-120		P4F0518	06/05/24 13:10	06/05/24 18:34	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P4F2105	06/08/24 10:00	06/08/24 15:19	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4F2105	06/08/24 10:00	06/08/24 15:19	8015M	SUB-13
Methane	0.00430	0.000500	mg/L	1	P4F2105	06/08/24 10:00	06/08/24 15:19	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	9.00	2.00	mg/L	1	P4F1908	06/19/24 10:27	06/19/24 12:38	8000	
Nitrate as N	0.311	0.200	mg/L	1	P4F0520	06/05/24 13:39	06/07/24 17:48	EPA 300.0	
Sulfate	232	1.00	mg/L	1	P4F1005	06/10/24 16:02	06/10/24 19:34	EPA 300.0	
Total Organic Carbon	10.0	10.0	mg/L	1	P4F2105	06/13/24 00:00	06/13/24 07:34	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	2.24	0.200	mg/L	1	P4F2105	06/10/24 08:00	06/12/24 20:21	EPA 6020A	SUB-13
Manganese	0.265	0.00500	mg/L	1	P4F2105	06/10/24 08:00	06/12/24 20:21	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

MW-6
4F05012-06 (Water)

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

Organics by GC

Benzene	0.251	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 18:56	EPA 8021B	
Toluene	0.00608	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 18:56	EPA 8021B	
Ethylbenzene	0.966	0.00500	mg/L	5	P4F0518	06/05/24 13:10	06/06/24 09:31	EPA 8021B	
Xylene (p/m)	0.457	0.00200	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 18:56	EPA 8021B	
Xylene (o)	0.0526	0.00100	mg/L	1	P4F0518	06/05/24 13:10	06/05/24 18:56	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>95.0 %</i>		<i>80-120</i>		<i>P4F0518</i>	<i>06/05/24 13:10</i>	<i>06/05/24 18:56</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>83.7 %</i>		<i>80-120</i>		<i>P4F0518</i>	<i>06/05/24 13:10</i>	<i>06/05/24 18:56</i>	<i>EPA 8021B</i>	
Ethane	0.0654	0.0500	mg/L	1	P4F2105	06/08/24 10:00	06/10/24 15:10	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4F2105	06/08/24 10:00	06/08/24 15:33	8015M	SUB-13
Methane	0.725	0.0250	mg/L	1	P4F2105	06/08/24 10:00	06/10/24 15:10	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	130	2.00	mg/L	1	P4F1908	06/19/24 10:27	06/19/24 12:38	8000	
Nitrate as N	0.634	0.200	mg/L	1	P4F0520	06/05/24 13:39	06/07/24 18:06	EPA 300.0	
Sulfate	64.5	1.00	mg/L	1	P4F1005	06/10/24 16:02	06/10/24 19:51	EPA 300.0	
Total Organic Carbon	11.4	10.0	mg/L	1	P4F2105	06/13/24 00:00	06/13/24 12:23	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P4F2105	06/10/24 08:00	06/12/24 20:23	EPA 6020A	SUB-13
Manganese	0.00516	0.00500	mg/L	1	P4F2105	06/10/24 08:00	06/12/24 20:23	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4F0518 - * DEFAULT PREP *****

Blank (P4F0518-BLK1)

Prepared & Analyzed: 06/05/24

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	0.129		"	0.120		107	80-120			
Surrogate: 1,4-Difluorobenzene	0.105		"	0.120		87.3	80-120			

LCS (P4F0518-BS1)

Prepared & Analyzed: 06/05/24

Benzene	0.0838	0.00100	mg/L	0.100		83.8	80-120			
Toluene	0.0878	0.00100	"	0.100		87.8	80-120			
Ethylbenzene	0.101	0.00100	"	0.100		101	80-120			
Xylene (p/m)	0.211	0.00200	"	0.200		105	80-120			
Xylene (o)	0.0936	0.00100	"	0.100		93.6	80-120			
Surrogate: 4-Bromofluorobenzene	0.138		"	0.120		115	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		100	80-120			

LCS Dup (P4F0518-BSD1)

Prepared & Analyzed: 06/05/24

Benzene	0.0848	0.00100	mg/L	0.100		84.8	80-120	1.19	20	
Toluene	0.0840	0.00100	"	0.100		84.0	80-120	4.35	20	
Ethylbenzene	0.0958	0.00100	"	0.100		95.8	80-120	5.30	20	
Xylene (p/m)	0.200	0.00200	"	0.200		99.8	80-120	5.40	20	
Xylene (o)	0.0889	0.00100	"	0.100		88.9	80-120	5.07	20	
Surrogate: 4-Bromofluorobenzene	0.133		"	0.120		111	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.5	80-120			

Calibration Blank (P4F0518-CCB1)

Prepared & Analyzed: 06/05/24

Benzene	0.150		ug/l							
Toluene	0.170		"							
Ethylbenzene	0.260		"							
Xylene (p/m)	0.750		"							
Xylene (o)	0.160		"							
Surrogate: 4-Bromofluorobenzene	0.125		"	0.120		104	80-120			
Surrogate: 1,4-Difluorobenzene	0.106		"	0.120		88.2	80-120			

Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4F0518 - * DEFAULT PREP *****

Calibration Blank (P4F0518-CCB2)

Prepared & Analyzed: 06/05/24

Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.340		"							
Xylene (p/m)	1.10		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		104	80-120			
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		90.7	80-120			

Calibration Check (P4F0518-CCV1)

Prepared & Analyzed: 06/05/24

Benzene	0.0801	0.00100	mg/L	0.100		80.1	80-120			
Toluene	0.0829	0.00100	"	0.100		82.9	80-120			
Ethylbenzene	0.0813	0.00100	"	0.100		81.3	80-120			
Xylene (p/m)	0.179	0.00200	"	0.200		89.5	80-120			
Xylene (o)	0.0835	0.00100	"	0.100		83.5	80-120			
Surrogate: 4-Bromofluorobenzene	0.131		"	0.120		109	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		100	80-120			

Calibration Check (P4F0518-CCV2)

Prepared & Analyzed: 06/05/24

Benzene	0.111	0.00100	mg/L	0.100		111	80-120			
Toluene	0.110	0.00100	"	0.100		110	80-120			
Ethylbenzene	0.112	0.00100	"	0.100		112	80-120			
Xylene (p/m)	0.235	0.00200	"	0.200		117	80-120			
Xylene (o)	0.111	0.00100	"	0.100		111	80-120			
Surrogate: 4-Bromofluorobenzene	0.131		"	0.120		109	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.6	80-120			

Calibration Check (P4F0518-CCV3)

Prepared: 06/05/24 Analyzed: 06/06/24

Benzene	0.114	0.00100	mg/L	0.100		114	80-120			
Toluene	0.113	0.00100	"	0.100		113	80-120			
Ethylbenzene	0.109	0.00100	"	0.100		109	80-120			
Xylene (p/m)	0.236	0.00200	"	0.200		118	80-120			
Xylene (o)	0.113	0.00100	"	0.100		113	80-120			
Surrogate: 4-Bromofluorobenzene	0.132		"	0.120		110	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		103	80-120			

Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4F0518 - * DEFAULT PREP *****

Matrix Spike (P4F0518-MS1)

Source: 4F05011-01

Prepared & Analyzed: 06/05/24

Benzene	0.112	0.00100	mg/L	0.100	0.000570	111	80-120			
Toluene	0.105	0.00100	"	0.100	0.000730	105	80-120			
Ethylbenzene	0.117	0.00100	"	0.100	ND	117	80-120			
Xylene (p/m)	0.227	0.00200	"	0.200	0.00124	113	80-120			
Xylene (o)	0.103	0.00100	"	0.100	ND	103	80-120			
Surrogate: 4-Bromofluorobenzene	0.127		"	0.120		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.8	80-120			

Matrix Spike Dup (P4F0518-MSD1)

Source: 4F05011-01

Prepared & Analyzed: 06/05/24

Benzene	0.111	0.00100	mg/L	0.100	0.000570	111	80-120	0.441	20	
Toluene	0.105	0.00100	"	0.100	0.000730	104	80-120	0.460	20	
Ethylbenzene	0.117	0.00100	"	0.100	ND	117	80-120	0.324	20	
Xylene (p/m)	0.225	0.00200	"	0.200	0.00124	112	80-120	0.729	20	
Xylene (o)	0.102	0.00100	"	0.100	ND	102	80-120	1.45	20	
Surrogate: 4-Bromofluorobenzene	0.127		"	0.120		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.5	80-120			

Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4F0520 - * DEFAULT PREP *****

Blank (P4F0520-BLK1)

Prepared: 06/05/24 Analyzed: 06/07/24

Nitrate as N	ND	0.200	mg/L
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LCS (P4F0520-BS1)

Prepared: 06/05/24 Analyzed: 06/07/24

Nitrate as N	19.5		mg/L	20.0	97.7	90-110
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LCS Dup (P4F0520-BSD1)

Prepared: 06/05/24 Analyzed: 06/07/24

Nitrate as N	19.7		mg/L	20.0	98.3	90-110	0.582	10
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Calibration Check (P4F0520-CCV1)

Prepared: 06/05/24 Analyzed: 06/07/24

Nitrate as N	19.3	0.200	mg/L			90-110
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Calibration Check (P4F0520-CCV2)

Prepared: 06/05/24 Analyzed: 06/07/24

Nitrate as N	19.8	0.200	mg/L			90-110
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Matrix Spike (P4F0520-MS1)

Source: 4F05012-01

Prepared: 06/05/24 Analyzed: 06/07/24

Nitrate as N	19.5		mg/L	20.0	0.231	96.3	80-120
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Matrix Spike Dup (P4F0520-MSD1)

Source: 4F05012-01

Prepared: 06/05/24 Analyzed: 06/07/24

Nitrate as N	19.5		mg/L	20.0	0.231	96.4	80-120	0.174	20
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Batch P4F1005 - * DEFAULT PREP *****

Blank (P4F1005-BLK1)

Prepared & Analyzed: 06/10/24

Sulfate	ND	1.00	mg/L
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LCS (P4F1005-BS1)

Prepared & Analyzed: 06/10/24

Sulfate	20.2		mg/L	20.0	101	90-110
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Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4F1005 - * DEFAULT PREP *****

LCS Dup (P4F1005-BSD1)

Prepared & Analyzed: 06/10/24

Sulfate	20.3		mg/L	20.0		101	90-110	0.410	10	
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Calibration Check (P4F1005-CCV1)

Prepared & Analyzed: 06/10/24

Sulfate	20.4		mg/L	20.0		102	90-110			
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Calibration Check (P4F1005-CCV2)

Prepared & Analyzed: 06/10/24

Sulfate	20.6		mg/L	20.0		103	90-110			
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Matrix Spike (P4F1005-MS1)

Source: 4F05012-01

Prepared & Analyzed: 06/10/24

Sulfate	111		mg/L	100	14.7	96.8	80-120			
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Matrix Spike Dup (P4F1005-MSD1)

Source: 4F05012-01

Prepared & Analyzed: 06/10/24

Sulfate	112		mg/L	100	14.7	96.9	80-120	0.133	20	
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Batch P4F1908 - * DEFAULT PREP *****

Blank (P4F1908-BLK1)

Prepared & Analyzed: 06/19/24

Chemical Oxygen Demand	ND	2.00	mg/L							
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LCS (P4F1908-BS1)

Prepared & Analyzed: 06/19/24

Chemical Oxygen Demand	1060	2.00	mg/L	1000		106	80-120			
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LCS Dup (P4F1908-BSD1)

Prepared & Analyzed: 06/19/24

Chemical Oxygen Demand	1100	2.00	mg/L	1000		110	80-120	3.60	20	
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Calibration Blank (P4F1908-CCB1)

Prepared & Analyzed: 06/19/24

Chemical Oxygen Demand	0.00		mg/L							
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Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4F1908 - * DEFAULT PREP *****

Calibration Check (P4F1908-CCV1)

Prepared & Analyzed: 06/19/24

Chemical Oxygen Demand	917	2.00	mg/L	1000	91.7	80-120
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Calibration Check (P4F1908-CCV2)

Prepared & Analyzed: 06/19/24

Chemical Oxygen Demand	917	2.00	mg/L	1000	91.7	80-120
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Calibration Check (P4F1908-CCV3)

Prepared & Analyzed: 06/19/24

Chemical Oxygen Demand	917	2.00	mg/L	1000	91.7	80-120
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Batch P4G0308 - * DEFAULT PREP *****

Blank (P4G0308-BLK1)

Prepared & Analyzed: 07/03/24

Chemical Oxygen Demand	ND	2.00	mg/L
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LCS (P4G0308-BS1)

Prepared & Analyzed: 07/03/24

Chemical Oxygen Demand	100	2.00	mg/L	100	100	80-120
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Matrix Spike (P4G0308-MS1)

Source: 4F05012-01

Prepared & Analyzed: 07/03/24

Chemical Oxygen Demand	113	2.00	mg/L	100	4.00	109	80-120
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Matrix Spike Dup (P4G0308-MSD1)

Source: 4F05012-01

Prepared & Analyzed: 07/03/24

Chemical Oxygen Demand	111	2.00	mg/L	100	4.00	107	80-120	1.79	20
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Permian Basin Environmental Lab, L.P.

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

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

Notes and Definitions

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

ROI Received on Ice

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

NPBEL C Chain of Custody was not generated at PBELAB

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

7/5/2024

Brent Barron, Laboratory Director/Technical Director

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

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

Permian Basin Environmental Lab, L.P.

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

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

☐ NPDES

72 hrs

Standard TAT	
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22

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Released to Imaging: 11/14/2025 11:09:38 AM

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235
PBELAB_SUB_COC_V2

Project Manager: Brent Barron

Project Name: SUBCONTRACT

Company Name PBEL

Project #: _____

Company Address: 1400 Rankin HWY

Project Loc: _____

City/State/Zip: Midland Texas 79701

PO #: _____

Telephone No: 432-661-4184

Fax No: _____

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: N/A

e-mail: brentbarron@pbelab.com

[illegible]



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

June 13, 2024

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

Work Order: **HS24060300**

Laboratory Results for: **4F05012**

Dear Brent Barron,

ALS Environmental received 6 sample(s) on Jun 06, 2024 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: 13-Jun-24

Client:

Project:

Work Order:

Permian Basin Environmental Lab, LP
4F05012
HS24060300

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24060300-01	4F05012-01	Water		04-Jun-2024 11:15	06-Jun-2024 09:45	☐
HS24060300-02	4F05012-02	Water		04-Jun-2024 12:26	06-Jun-2024 09:45	☐
HS24060300-03	4F05012-03	Water		04-Jun-2024 13:38	06-Jun-2024 09:45	☐
HS24060300-04	4F05012-04	Water		04-Jun-2024 14:47	06-Jun-2024 09:45	☐
HS24060300-05	4F05012-05	Water		04-Jun-2024 16:23	06-Jun-2024 09:45	☐
HS24060300-06	4F05012-06	Water		04-Jun-2024 17:56	06-Jun-2024 09:45	☐

ALS Houston, US

Date: 13-Jun-24

Client: Permian Basin Environmental Lab, LP
Project: 4F05012
Work Order: HS24060300

CASE NARRATIVE

GC Semivolatiles by Method RSK-175**Batch ID: R468937,R468945**

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

Metals by Method SW6020A**Batch ID: 213241**

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

WetChemistry by Method E415.1**Batch ID: R469321**

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

Batch ID: R469255**Sample ID: HS24060296-01MS**

- MS is for an unrelated sample
-

ALS Houston, US

Date: 13-Jun-24

Client:Permian Basin Environmental Lab, LP

Project:4F05012

Sample ID:4F05012-01

Collection Date:04-Jun-2024 11:15

ANALYTICAL REPORT

WorkOrder:HS24060300

Lab ID:HS24060300-01

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	08-Jun-2024 14:26
Ethene	ND		1.00	ug/L	1	08-Jun-2024 14:26
Methane	0.745		0.500	ug/L	1	08-Jun-2024 14:26
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 10-Jun-2024		Analyst: MSC
Iron	ND		0.200	mg/L	1	12-Jun-2024 19:51
Manganese	ND		0.00500	mg/L	1	12-Jun-2024 19:51
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	2.78		1.00	mg/L	1	13-Jun-2024 05:44

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

ALS Houston, US

Date: 13-Jun-24

Client:Permian Basin Environmental Lab, LP

Project:4F05012

Sample ID:4F05012-02

Collection Date:04-Jun-2024 12:26

ANALYTICAL REPORT

WorkOrder:HS24060300

Lab ID:HS24060300-02

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	08-Jun-2024 14:34
Ethene	ND		1.00	ug/L	1	08-Jun-2024 14:34
Methane	1.18		0.500	ug/L	1	08-Jun-2024 14:34
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 10-Jun-2024 Analyst: MSC		
Iron	ND		0.200	mg/L	1	12-Jun-2024 20:14
Manganese	0.00596		0.00500	mg/L	1	12-Jun-2024 20:14
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	3.87		1.00	mg/L	1	13-Jun-2024 05:56

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

ALS Houston, US

Date: 13-Jun-24

Client:Permian Basin Environmental Lab, LP

Project:4F05012

Sample ID:4F05012-03

Collection Date:04-Jun-2024 13:38

ANALYTICAL REPORT

WorkOrder:HS24060300

Lab ID:HS24060300-03

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	08-Jun-2024 14:44
Ethene	ND		1.00	ug/L	1	08-Jun-2024 14:44
Methane	8,390		250	ug/L	500	10-Jun-2024 14:52
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 10-Jun-2024		Analyst: MSC
Iron	2.23		0.200	mg/L	1	12-Jun-2024 20:17
Manganese	0.114		0.00500	mg/L	1	12-Jun-2024 20:17
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	73.8		10.0	mg/L	10	13-Jun-2024 06:08

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

ALS Houston, US

Date: 13-Jun-24

Client:Permian Basin Environmental Lab, LP

Project:4F05012

Sample ID:4F05012-04

Collection Date:04-Jun-2024 14:47

ANALYTICAL REPORT

WorkOrder:HS24060300

Lab ID:HS24060300-04

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	08-Jun-2024 14:59
Ethene	ND		1.00	ug/L	1	08-Jun-2024 14:59
Methane	36.7		0.500	ug/L	1	08-Jun-2024 14:59
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 10-Jun-2024		Analyst: MSC
Iron	ND		0.200	mg/L	1	12-Jun-2024 20:19
Manganese	0.103		0.00500	mg/L	1	12-Jun-2024 20:19
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	14.3		10.0	mg/L	10	13-Jun-2024 06:19

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

ALS Houston, US

Date: 13-Jun-24

Client:Permian Basin Environmental Lab, LP

Project:4F05012

Sample ID:4F05012-05

Collection Date:04-Jun-2024 16:23

ANALYTICAL REPORT
WorkOrder:HS24060300
Lab ID:HS24060300-05
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	08-Jun-2024 15:19
Ethene	ND		1.00	ug/L	1	08-Jun-2024 15:19
Methane	4.30		0.500	ug/L	1	08-Jun-2024 15:19
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 10-Jun-2024 Analyst: MSC		
Iron	2.24		0.200	mg/L	1	12-Jun-2024 20:21
Manganese	0.265		0.00500	mg/L	1	12-Jun-2024 20:21
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	10.0		10.0	mg/L	10	13-Jun-2024 07:34

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

ALS Houston, US

Date: 13-Jun-24

Client:Permian Basin Environmental Lab, LP

Project:4F05012

Sample ID:4F05012-06

Collection Date:04-Jun-2024 17:56

ANALYTICAL REPORT

WorkOrder:HS24060300

Lab ID:HS24060300-06

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	65.4		50.0	ug/L	50	10-Jun-2024 15:10
Ethene	ND		1.00	ug/L	1	08-Jun-2024 15:33
Methane	725		25.0	ug/L	50	10-Jun-2024 15:10
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 10-Jun-2024		Analyst: MSC
Iron	ND		0.200	mg/L	1	12-Jun-2024 20:23
Manganese	0.00516		0.00500	mg/L	1	12-Jun-2024 20:23
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	11.4		10.0	mg/L	10	13-Jun-2024 12:23

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

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: 4F05012
WorkOrder: HS24060300

Batch ID: 213241	Start Date: 10 Jun 2024 08:30	End Date: 10 Jun 2024 08:30
Method: DISS METALS PREP - WATER - SW3010A		Prep Code: 3010A DISS

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24060300-01		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24060300-02		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24060300-03		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24060300-04		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24060300-05		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24060300-06		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2

ALS Houston, US

Date: 13-Jun-24

Client: Permian Basin Environmental Lab, LP
Project: 4F05012
WorkOrder: HS24060300

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 213241 (0)		Test Name : DISSOLVED METALS BY SW6020A			Matrix: Water	
HS24060300-01	4F05012-01	04 Jun 2024 11:15		10 Jun 2024 08:30	12 Jun 2024 19:51	1
HS24060300-02	4F05012-02	04 Jun 2024 12:26		10 Jun 2024 08:30	12 Jun 2024 20:14	1
HS24060300-03	4F05012-03	04 Jun 2024 13:38		10 Jun 2024 08:30	12 Jun 2024 20:17	1
HS24060300-04	4F05012-04	04 Jun 2024 14:47		10 Jun 2024 08:30	12 Jun 2024 20:19	1
HS24060300-05	4F05012-05	04 Jun 2024 16:23		10 Jun 2024 08:30	12 Jun 2024 20:21	1
HS24060300-06	4F05012-06	04 Jun 2024 17:56		10 Jun 2024 08:30	12 Jun 2024 20:23	1
Batch ID: R468937 (0)		Test Name : DISSOLVED GASES BY RSK-175			Matrix: Water	
HS24060300-03	4F05012-03	04 Jun 2024 13:38			10 Jun 2024 14:52	500
HS24060300-06	4F05012-06	04 Jun 2024 17:56			10 Jun 2024 15:10	50
Batch ID: R468945 (0)		Test Name : DISSOLVED GASES BY RSK-175			Matrix: Water	
HS24060300-01	4F05012-01	04 Jun 2024 11:15			08 Jun 2024 14:26	1
HS24060300-02	4F05012-02	04 Jun 2024 12:26			08 Jun 2024 14:34	1
HS24060300-03	4F05012-03	04 Jun 2024 13:38			08 Jun 2024 14:44	1
HS24060300-04	4F05012-04	04 Jun 2024 14:47			08 Jun 2024 14:59	1
HS24060300-05	4F05012-05	04 Jun 2024 16:23			08 Jun 2024 15:19	1
HS24060300-06	4F05012-06	04 Jun 2024 17:56			08 Jun 2024 15:33	1
Batch ID: R469255 (0)		Test Name : TOTAL ORGANIC CARBON BY E415.1			Matrix: Water	
HS24060300-01	4F05012-01	04 Jun 2024 11:15			13 Jun 2024 05:44	1
HS24060300-02	4F05012-02	04 Jun 2024 12:26			13 Jun 2024 05:56	1
HS24060300-03	4F05012-03	04 Jun 2024 13:38			13 Jun 2024 06:08	10
HS24060300-04	4F05012-04	04 Jun 2024 14:47			13 Jun 2024 06:19	10
HS24060300-05	4F05012-05	04 Jun 2024 16:23			13 Jun 2024 07:34	10
Batch ID: R469321 (0)		Test Name : TOTAL ORGANIC CARBON BY E415.1			Matrix: Water	
HS24060300-06	4F05012-06	04 Jun 2024 17:56			13 Jun 2024 12:23	10

ALS Houston, US

Date: 13-Jun-24

Client: Permian Basin Environmental Lab, LP
Project: 4F05012
WorkOrder: HS24060300

QC BATCH REPORT

Batch ID: R468937 (0)		Instrument: FID-4		Method: DISSOLVED GASES BY RSK-175					
MBLK	Sample ID: MBLK-240610	Units: ug/L		Analysis Date: 10-Jun-2024 09:01					
Client ID:	Run ID: FID-4_468937	SeqNo: 8056734		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	ND	1.00							
Methane	ND	0.500							

LCS	Sample ID: LCS-240610	Units: ug/L		Analysis Date: 10-Jun-2024 09:33					
Client ID:	Run ID: FID-4_468937	SeqNo: 8056735		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	17.67	1.00	18.04	0	98.0	75 - 125			
Methane	9.426	0.500	9.647	0	97.7	75 - 125			

LCSD	Sample ID: LCSD-240610	Units: ug/L		Analysis Date: 10-Jun-2024 09:47					
Client ID:	Run ID: FID-4_468937	SeqNo: 8056736		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	16.91	1.00	18.04	0	93.7	75 - 125	17.67	4.43	30
Methane	9.336	0.500	9.647	0	96.8	75 - 125	9.426	0.957	30

The following samples were analyzed in this batch:

HS24060300-03	HS24060300-06
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ALS Houston, US

Date: 13-Jun-24

Client: Permian Basin Environmental Lab, LP
Project: 4F05012
WorkOrder: HS24060300

QC BATCH REPORT

Batch ID: R468945 (0)		Instrument: FID-4		Method: DISSOLVED GASES BY RSK-175					
MBLK	Sample ID: MBLK-240608	Units: ug/L			Analysis Date: 08-Jun-2024 13:58				
Client ID:	Run ID: FID-4_468945			SeqNo: 8056848		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-240608	Units: ug/L			Analysis Date: 08-Jun-2024 14:08				
Client ID:	Run ID: FID-4_468945			SeqNo: 8056849		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Ethane	15.23	1.00	18.04	0	84.4	75 - 125			
Ethene	14.91	1.00	16.8	0	88.7	75 - 125			
Methane	8.539	0.500	9.647	0	88.5	75 - 125			
LCSD	Sample ID: LCSD-240608	Units: ug/L			Analysis Date: 08-Jun-2024 14:17				
Client ID:	Run ID: FID-4_468945			SeqNo: 8056871		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Ethane	15.37	1.00	18.04	0	85.2	75 - 125	15.23	0.911	30
Ethene	14.82	1.00	16.8	0	88.2	75 - 125	14.91	0.614	30
Methane	8.674	0.500	9.647	0	89.9	75 - 125	8.539	1.57	30
The following samples were analyzed in this batch:		HS24060300-01		HS24060300-02		HS24060300-03		HS24060300-04	
		HS24060300-05		HS24060300-06					

ALS Houston, US

Date: 13-Jun-24

Client: Permian Basin Environmental Lab, LP
Project: 4F05012
WorkOrder: HS24060300

QC BATCH REPORT

Batch ID: 213241 (0)		Instrument: ICPMS05		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
MBLK	Sample ID: MBLK-213241	Units: mg/L		Analysis Date: 12-Jun-2024 19:47					
Client ID:	Run ID: ICPMS05_469215	SeqNo: 8067054		PrepDate: 10-Jun-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	ND	0.200							
Manganese	ND	0.00500							

LCS	Sample ID: LCS-213241	Units: mg/L		Analysis Date: 12-Jun-2024 19:49					
Client ID:	Run ID: ICPMS05_469215	SeqNo: 8067055		PrepDate: 10-Jun-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	5.133	0.200	5	0	103	80 - 120			
Manganese	0.05042	0.00500	0.05	0	101	80 - 120			

MS	Sample ID: HS24060300-01MS	Units: mg/L		Analysis Date: 12-Jun-2024 19:56					
Client ID: 4F05012-01	Run ID: ICPMS05_469215	SeqNo: 8067058		PrepDate: 10-Jun-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	5.09	0.200	5	0.02204	101	75 - 125			
Manganese	0.04937	0.00500	0.05	0.001865	95.0	75 - 125			

MSD	Sample ID: HS24060300-01MSD	Units: mg/L		Analysis Date: 12-Jun-2024 19:58					
Client ID: 4F05012-01	Run ID: ICPMS05_469215	SeqNo: 8067059		PrepDate: 10-Jun-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	5.192	0.200	5	0.02204	103	75 - 125	5.09	1.99	20
Manganese	0.05069	0.00500	0.05	0.001865	97.6	75 - 125	0.04937	2.63	20

PDS	Sample ID: HS24060300-01PDS	Units: mg/L		Analysis Date: 12-Jun-2024 20:00					
Client ID: 4F05012-01	Run ID: ICPMS05_469215	SeqNo: 8067060		PrepDate: 10-Jun-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	10.25	0.200	10	0.02204	102	75 - 125			
Manganese	0.1008	0.00500	0.1	0.001865	98.9	75 - 125			

ALS Houston, US

Date: 13-Jun-24

Client: Permian Basin Environmental Lab, LP

Project: 4F05012

WorkOrder: HS24060300

QC BATCH REPORT

Batch ID: 213241 (0)		Instrument: ICPMS05		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)						
SD	Sample ID: HS24060300-01SD		Units: mg/L		Analysis Date: 12-Jun-2024 19:54					
Client ID: 4F05012-01		Run ID: ICPMS05_469215		SeqNo: 8067057		PrepDate: 10-Jun-2024		DF: 5		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit Qual	
Iron	ND	1.00					0.02204	0	10	
Manganese	ND	0.0250					0.001865	0	10	
The following samples were analyzed in this batch:				HS24060300-01		HS24060300-02		HS24060300-03		
				HS24060300-05		HS24060300-06		HS24060300-04		

ALS Houston, US

Date: 13-Jun-24

Client: Permian Basin Environmental Lab, LP
Project: 4F05012
WorkOrder: HS24060300

QC BATCH REPORT

Batch ID: R469255 (0)		Instrument: TOC_05		Method: TOTAL ORGANIC CARBON BY E415.1					
MBLK	Sample ID: MBLK-06122024	Units: mg/L		Analysis Date: 13-Jun-2024 04:17					
Client ID:	Run ID: TOC_05_469255	SeqNo: 8067525		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Organic Carbon, Total	ND	1.00							
LCS	Sample ID: LCS-06122024	Units: mg/L		Analysis Date: 13-Jun-2024 04:30					
Client ID:	Run ID: TOC_05_469255	SeqNo: 8067526		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Organic Carbon, Total	10.01	1.00	10	0	100	85 - 115			
LCSD	Sample ID: LCSD-06122024	Units: mg/L		Analysis Date: 13-Jun-2024 04:42					
Client ID:	Run ID: TOC_05_469255	SeqNo: 8067527		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Organic Carbon, Total	10.18	1.00	10	0	102	85 - 115	10.01	1.68	20
MS	Sample ID: HS24060296-01MS	Units: mg/L		Analysis Date: 13-Jun-2024 05:19					
Client ID:	Run ID: TOC_05_469255	SeqNo: 8067529		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Organic Carbon, Total	38.51	1.00	10	25.45	131	80 - 120			S
The following samples were analyzed in this batch:									
HS24060300-01 HS24060300-02 HS24060300-03 HS24060300-04 HS24060300-05									

ALS Houston, US

Date: 13-Jun-24

Client: Permian Basin Environmental Lab, LP
Project: 4F05012
WorkOrder: HS24060300

QC BATCH REPORT

Batch ID: R469321 (0)		Instrument: TOC_05		Method: TOTAL ORGANIC CARBON BY E415.1					
MBLK	Sample ID: MBLK-06132024	Units: mg/L		Analysis Date: 13-Jun-2024 11:47					
Client ID:	Run ID: TOC_05_469321	SeqNo: 8068609		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Organic Carbon, Total	ND	1.00							
LCS	Sample ID: LCS-06132024	Units: mg/L		Analysis Date: 13-Jun-2024 11:59					
Client ID:	Run ID: TOC_05_469321	SeqNo: 8068610		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Organic Carbon, Total	9.849	1.00	10	0	98.5	85 - 115			
LCSD	Sample ID: LCSD-06132024	Units: mg/L		Analysis Date: 13-Jun-2024 12:12					
Client ID:	Run ID: TOC_05_469321	SeqNo: 8068611		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Organic Carbon, Total	9.863	1.00	10	0	98.6	85 - 115	9.849	0.142	20
MS	Sample ID: HS24060152-01MS	Units: mg/L		Analysis Date: 13-Jun-2024 12:48					
Client ID:	Run ID: TOC_05_469321	SeqNo: 8068614		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Organic Carbon, Total	13.82	1.00	10	4.372	94.5	80 - 120			
The following samples were analyzed in this batch: HS24060300-06									

ALS Houston, US

Date: 13-Jun-24

Client: Permian Basin Environmental Lab, LP
Project: 4F05012
WorkOrder: HS24060300

**QUALIFIERS,
ACRONYMS, UNITS**

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

ALS Houston, US

Date: 13-Jun-24

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	88-00356_2024	27-Mar-2025
California	2919; 2025	30-Apr-2025
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Kentucky	123043	30-Apr-2025
Louisiana	03087 2023-2024	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624 - 2024	31-Dec-2024
Oklahoma	2023-140	31-Aug-2024
Tennessee	04016	30-Apr-2025
Texas	T104704231 TX-C24-00130	30-Apr-2025
Utah	TX026932023-14	31-Jul-2024

ALS Houston, US

Date: 13-Jun-24

Sample Receipt Checklist

Work Order ID: HS24060300

Date/Time Received: 06-Jun-2024 09:45

Client Name: Permian Basin Lab

Received by: Belinda Gomez

Completed By: /S/ Rajen Giga	06-Jun-2024 12:11	Reviewed by: /S/ Anna Kinchen	07-Jun-2024 09:59
eSignature	Date/Time	eSignature	Date/Time

Matrices: WaterCarrier name: FedEx Priority Overnight

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	COC IDs:0
Samplers name present on COC?	Yes ☐	No ☒	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	
Temperature(s)/Thermometer(s):	4.4uc/4.5c IR#31		
Cooler(s)/Kit(s):	RED		
Date/Time sample(s) sent to storage:	06/06/2024		
Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☒	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☒	N/A ☐
pH adjusted by:			

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

Corrective Action:

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235
PBELAB SUB COC V2

Project Manager: Brent Barron

Project Name: SUBCONTRACT

Company Name PBEL

HS24060300

Company Address: 1400 Rankin HWY

Permian Basin Environmental Lab, LP
4F05012

City/State/Zip: Midland Texas 79701

Telephone No: 432-661-4184

Fax No:

Sampler Signature: N/A

e-mail: brentbarron@pbelab.com

[illegible]

ORIGIN ID: AFA (432) 686-7235
PREL AB
1400 RANKIN HWY
MIDLAND, TX 79701
UNITED STATES US
SHIP DATE: 05/JUN/24
ACTWGHT: 30.00 LB
CAD: 107136346INET/4535
DIMS: 17x15x9 IN
BILL RECIPIENT

TO SAMPLE RECEIVING
ALS-HOUSTON
10450 STANCLIFF RD

HOUSTON TX 77099

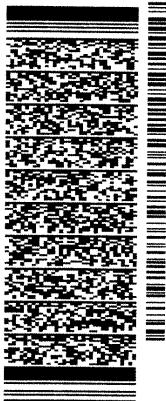
REF:

NY: (281) 530-5615

PO:

DEPT:

583J3/6CA9/9AE3

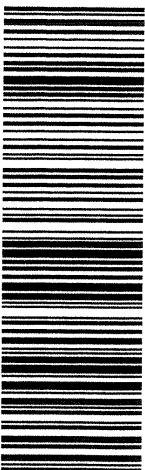


TRK# 7767 1899 8454
1201

THU - 06 JUN 5:00P
STANDARD OVERNIGHT

AB SCRA

77099
TX-US IAH



After printing this label:
CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH
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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](https://www.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**



Analytical Report

Prepared for:

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

Project: HDO 90-23
Project Number: TNM HDO 90-23
Location: Lea County, New Mexico
Lab Order Number: 4J04007



Current Certification

Report Date: 10/08/24

TRC Solutions- Midland, Texas	Project: HDO 90-23
10 Desta Dr STE 150E	Project Number: TNM HDO 90-23
Midland TX, 79705	Project Manager: Jonathan Repman

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
RW-1	4J04007-01	Water	09/27/24 10:30	10-04-2024 09:20

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

Project: HDO 90-23
Project Number: TNM HDO 90-23
Project Manager: Jonathan Repman

RW-1
4J04007-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	0.0352	0.00100	mg/L	1	P4J0403	10/04/24 09:01	10/04/24 13:41	EPA 8021B	
Toluene	0.00203	0.00100	mg/L	1	P4J0403	10/04/24 09:01	10/04/24 13:41	EPA 8021B	
Ethylbenzene	0.00162	0.00100	mg/L	1	P4J0403	10/04/24 09:01	10/04/24 13:41	EPA 8021B	
Xylene (p/m)	0.00848	0.00200	mg/L	1	P4J0403	10/04/24 09:01	10/04/24 13:41	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4J0403	10/04/24 09:01	10/04/24 13:41	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	125 %		80-120		P4J0403	10/04/24 09:01	10/04/24 13:41	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene	87.9 %		80-120		P4J0403	10/04/24 09:01	10/04/24 13:41	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: HDO 90-23
Project Number: TNM HDO 90-23
Project Manager: Jonathan Repman

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 P4J0403 - * DEFAULT PREP *****

Blank (P4J0403-BLK1)

Prepared & Analyzed: 10/04/24

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	0.149		"	0.120		124	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.103		"	0.120		85.4	80-120			

LCS (P4J0403-BS1)

Prepared & Analyzed: 10/04/24

Benzene	0.101	0.00100	mg/L	0.100		101	80-120			
Toluene	0.111	0.00100	"	0.100		111	80-120			
Ethylbenzene	0.114	0.00100	"	0.100		114	80-120			
Xylene (p/m)	0.240	0.00200	"	0.200		120	80-120			
Xylene (o)	0.110	0.00100	"	0.100		110	80-120			
Surrogate: 4-Bromofluorobenzene	0.144		"	0.120		120	80-120			
Surrogate: 1,4-Difluorobenzene	0.106		"	0.120		88.2	80-120			

LCS Dup (P4J0403-BSD1)

Prepared & Analyzed: 10/04/24

Benzene	0.0990	0.00100	mg/L	0.100		99.0	80-120	1.84	20	
Toluene	0.109	0.00100	"	0.100		109	80-120	1.36	20	
Ethylbenzene	0.115	0.00100	"	0.100		115	80-120	0.244	20	
Xylene (p/m)	0.239	0.00200	"	0.200		120	80-120	0.238	20	
Xylene (o)	0.109	0.00100	"	0.100		109	80-120	0.438	20	
Surrogate: 4-Bromofluorobenzene	0.144		"	0.120		120	80-120			
Surrogate: 1,4-Difluorobenzene	0.106		"	0.120		88.6	80-120			

Calibration Blank (P4J0403-CCB1)

Prepared & Analyzed: 10/04/24

Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.450		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.148		"	0.120		123	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.0978		"	0.120		81.5	80-120			

Permian Basin Environmental Lab, L.P.

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

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

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

Project: HDO 90-23
Project Number: TNM HDO 90-23
Project Manager: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4J0403 - * DEFAULT PREP *****

Calibration Check (P4J0403-CCV1)

Prepared & Analyzed: 10/04/24

Benzene	0.102	0.00100	mg/L	0.100		102	80-120			
Toluene	0.106	0.00100	"	0.100		106	80-120			
Ethylbenzene	0.105	0.00100	"	0.100		105	80-120			
Xylene (p/m)	0.225	0.00200	"	0.200		112	80-120			
Xylene (o)	0.102	0.00100	"	0.100		102	80-120			
Surrogate: 4-Bromofluorobenzene	0.132		"	0.120		110	80-120			
Surrogate: 1,4-Difluorobenzene	0.106		"	0.120		88.3	80-120			

Calibration Check (P4J0403-CCV3)

Prepared & Analyzed: 10/04/24

Benzene	0.106	0.00100	mg/L	0.100		106	80-120			
Toluene	0.113	0.00100	"	0.100		113	80-120			
Ethylbenzene	0.114	0.00100	"	0.100		114	80-120			
Xylene (p/m)	0.239	0.00200	"	0.200		120	80-120			
Xylene (o)	0.112	0.00100	"	0.100		112	80-120			
Surrogate: 4-Bromofluorobenzene	0.147		"	0.120		122	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.3	80-120			

Matrix Spike (P4J0403-MS1)

Source: 4130008-01

Prepared & Analyzed: 10/04/24

Benzene	0.105	0.00100	mg/L	0.100	ND	105	80-120			
Toluene	0.114	0.00100	"	0.100	ND	114	80-120			
Ethylbenzene	0.127	0.00100	"	0.100	ND	127	80-120			QM-05
Xylene (p/m)	0.254	0.00200	"	0.200	ND	127	80-120			QM-05
Xylene (o)	0.111	0.00100	"	0.100	ND	111	80-120			
Surrogate: 4-Bromofluorobenzene	0.149		"	0.120		124	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.112		"	0.120		93.1	80-120			

Matrix Spike Dup (P4J0403-MSD1)

Source: 4130008-01

Prepared & Analyzed: 10/04/24

Benzene	0.103	0.00100	mg/L	0.100	ND	103	80-120	2.04	20	
Toluene	0.111	0.00100	"	0.100	ND	111	80-120	2.30	20	
Ethylbenzene	0.125	0.00100	"	0.100	ND	125	80-120	1.67	20	QM-05
Xylene (p/m)	0.252	0.00200	"	0.200	ND	126	80-120	0.851	20	QM-05
Xylene (o)	0.109	0.00100	"	0.100	ND	109	80-120	1.72	20	
Surrogate: 4-Bromofluorobenzene	0.150		"	0.120		125	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.112		"	0.120		93.2	80-120			

Permian Basin Environmental Lab, L.P.

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

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

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

Project: HDO 90-23
Project Number: TNM HDO 90-23
Project Manager: Jonathan Repman

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.

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

NPBEL C Chain of Custody was not generated at PBELAB

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

10/8/2024

Brent Barron, Laboratory Director/Technical Director

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

Project: HDO 90-23
Project Number: TNM HDO 90-23
Project Manager: Jonathan Repman

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

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



CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235

Project Manager:

Jon Repman

Project Name:

HDO

Company Name:

TRC

Project #:

Company Address:

10 Deste Dr

Project Loc:

City/State/zip:

Midland TX 79705

PO #:

Telephone No:

432-520-7720

Fax No:

Report Format: ☐ Standard ☐ TRRP ☐ NPDES

Sampler Signature:

[Signature]

e-mail:

(lab use only)

ORDER #: 4504007

Preservation & # of Containers

Matrix

Analyze For:

TCLP

TOTAL

LAB # (lab use only)

FIELD CODE

Beginning Depth

Ending Depth

Date Sampled

Time Sampled

Field Filtered

Total #. of Containers

Ice

HNO₃

HCl

H₂SO₄

NaOH

Na₂S₂O₃

None

Other (Specify)

DW=Drinking Water SL=Sludge

GW = Groundwater S=Soil/Solid

NP=Non-Potable Specify Other

TPH: TX 1005 TX 1006

Anions (Cl, SO₄, Alkalinity)

BTEX 8021B/5030 or BTEX 8260

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

Standard TAT

Special Instructions:

Relinquished by:

Date

Time

Received by:

Date

Time

Relinquished by:

Date

Time

Received by:

Date

Time

Relinquished by:

Date

Time

Received by:

Date

Time

PBEL_COC_2021_1

Revision #: 2021_1

Effective Date: 9-21-21

Laboratory Comments:

Sample Containers Intact?

VOCs Free of Headspace?

Labels on container(s)

Custody seals on container(s)

Custody seals on cooler(s)

Sample Hand Delivered

by Sampler/Client Rep.?

by Courier?

UPS DHL FedEx

Temperature Upon Receipt: °C

Thermometer: °C

Factor:

Page 23 of 23

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



Analytical Report

Prepared for:

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Location: Lea County, NM
Lab Order Number: 4127001



Current Certification

Report Date: 10/10/24

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2	4I27001-01	Water	09/26/24 17:32	09-27-2024 09:01
MW-6	4I27001-02	Water	09/26/24 18:55	09-27-2024 09:01
MW-3	4I27001-03	Water	09/26/24 15:17	09-27-2024 09:01
MW-9	4I27001-04	Water	09/26/24 14:20	09-27-2024 09:01
MW-17	4I27001-05	Water	09/26/24 13:35	09-27-2024 09:01
RW-2	4I27001-06	Water	09/26/24 16:11	09-27-2024 09:01

TOC, Dissolved Gasses Dissolved metals and BTEX analysis were subcontracted to ALS Houston. Their report is attached after the Chain of Custody. Their TCEQ TNI certification number can be found here:

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

MW-2
4I27001-01 (Water)

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

BTEX by 8021B

Benzene	0.0341	0.00100	mg/kg wet	1	P4I2705	09/27/24 11:35	09/28/24 03:04	EPA 8021B	
Toluene	0.00290	0.00100	mg/kg wet	1	P4I2705	09/27/24 11:35	09/28/24 03:04	EPA 8021B	
Ethylbenzene	0.00617	0.00100	mg/kg wet	1	P4I2705	09/27/24 11:35	09/28/24 03:04	EPA 8021B	
Xylene (p/m)	0.00738	0.00200	mg/kg wet	1	P4I2705	09/27/24 11:35	09/28/24 03:04	EPA 8021B	
Xylene (o)	0.00212	0.00100	mg/kg wet	1	P4I2705	09/27/24 11:35	09/28/24 03:04	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>108 %</i>		<i>80-120</i>		<i>P4I2705</i>	<i>09/27/24 11:35</i>	<i>09/28/24 03:04</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>80.6 %</i>		<i>80-120</i>		<i>P4I2705</i>	<i>09/27/24 11:35</i>	<i>09/28/24 03:04</i>	<i>EPA 8021B</i>	

Organics by GC

Ethane	ND	0.00100	mg/L	1	P4J0917	10/01/24 00:00	10/02/24 09:24	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4J0917	10/01/24 00:00	10/02/24 09:24	8015M	SUB-13
Methane	6.76	0.100	mg/L	1	P4J0917	10/01/24 00:00	10/02/24 15:21	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	200	2.00	mg/L	1	P4I1806	09/30/24 10:00	10/01/24 11:53	8000	
Nitrate as N	ND	0.200	mg/L	1	P4I2703	09/27/24 08:29	09/27/24 16:24	EPA 300.0	
Sulfate	8.62	1.00	mg/L	1	P4I2703	09/27/24 08:29	09/27/24 16:24	EPA 300.0	
Total Organic Carbon	86.1	10.0	mg/L	1	P4J0917	10/07/24 20:26	10/07/24 20:26	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	2.16	1.00	mg/L	1	P4J0917	10/06/24 00:00	10/07/24 16:31	EPA 6020A	SUB-13
Manganese	0.0978	0.0250	mg/L	1	P4J0917	10/06/24 00:00	10/07/24 16:31	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

MW-6
4127001-02 (Water)

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

BTEX by 8021B

Benzene	0.267	0.00100	mg/kg wet	1	P4I2705	09/27/24 11:35	09/28/24 03:26	EPA 8021B	
Toluene	0.00333	0.00100	mg/kg wet	1	P4I2705	09/27/24 11:35	09/28/24 03:26	EPA 8021B	
Ethylbenzene	0.956	0.00500	mg/kg wet	5	P4I2705	09/27/24 11:35	09/30/24 12:49	EPA 8021B	
Xylene (p/m)	0.669	0.0100	mg/kg wet	5	P4I2705	09/27/24 11:35	09/30/24 12:49	EPA 8021B	
Xylene (o)	0.0563	0.00100	mg/kg wet	1	P4I2705	09/27/24 11:35	09/28/24 03:26	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>113 %</i>	<i>80-120</i>		<i>P4I2705</i>	<i>09/27/24 11:35</i>	<i>09/28/24 03:26</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>		<i>82.3 %</i>	<i>80-120</i>		<i>P4I2705</i>	<i>09/27/24 11:35</i>	<i>09/28/24 03:26</i>	<i>EPA 8021B</i>	

Organics by GC

Ethane	ND	0.00100	mg/L	1	P4J0917	10/01/24 00:00	10/02/24 09:32	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4J0917	10/01/24 00:00	10/02/24 09:32	8015M	SUB-13
Methane	0.495	0.0100	mg/L	1	P4J0917	10/01/24 00:00	10/02/24 15:30	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	98.0	2.00	mg/L	1	P4I3015	09/30/24 10:09	10/01/24 12:16	8000	
Nitrate as N	0.415	0.200	mg/L	1	P4I2703	09/27/24 08:29	09/27/24 16:44	EPA 300.0	
Sulfate	73.0	1.00	mg/L	1	P4I2703	09/27/24 08:29	09/27/24 16:44	EPA 300.0	
Total Organic Carbon	11.8	10.0	mg/L	1	P4J0917	10/07/24 20:37	10/07/24 20:37	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P4J0917	10/06/24 00:00	10/07/24 16:00	EPA 6020A	SUB-13
Manganese	ND	0.00500	mg/L	1	P4J0917	10/06/24 00:00	10/07/24 16:00	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

MW-3
4127001-03 (Water)

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

BTEX by 8021B

Benzene	ND	0.00100	mg/kg wet	1	P4I2705	09/27/24 11:35	09/28/24 03:48	EPA 8021B	
Toluene	ND	0.00100	mg/kg wet	1	P4I2705	09/27/24 11:35	09/28/24 03:48	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg wet	1	P4I2705	09/27/24 11:35	09/28/24 03:48	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg wet	1	P4I2705	09/27/24 11:35	09/28/24 03:48	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg wet	1	P4I2705	09/27/24 11:35	09/28/24 03:48	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	115 %		80-120		P4I2705	09/27/24 11:35	09/28/24 03:48	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	86.1 %		80-120		P4I2705	09/27/24 11:35	09/28/24 03:48	EPA 8021B	

Organics by GC

Ethane	ND	0.00100	mg/L	1	P4J0917	10/01/24 00:00	10/02/24 09:42	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4J0917	10/01/24 00:00	10/02/24 09:42	8015M	SUB-13
Methane	0.00445	0.000500	mg/L	1	P4J0917	10/01/24 00:00	10/02/24 09:42	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	33.0	2.00	mg/L	1	P4I1806	09/30/24 10:00	10/01/24 11:53	8000	
Nitrate as N	ND	0.200	mg/L	1	P4I2703	09/27/24 08:29	09/27/24 17:04	EPA 300.0	
Sulfate	89.0	1.00	mg/L	1	P4I2703	09/27/24 08:29	09/27/24 17:04	EPA 300.0	
Total Organic Carbon	16.0	1.00	mg/L	1	P4J0917	10/07/24 20:50	10/07/24 20:50	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	0.309	0.200	mg/L	1	P4J0917	10/06/24 00:00	10/07/24 16:02	EPA 6020A	SUB-13
Manganese	0.138	0.00500	mg/L	1	P4J0917	10/06/24 00:00	10/07/24 16:02	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

MW-9
4127001-04 (Water)

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

BTEX by 8021B

Benzene	ND	0.00100	mg/kg wet	1	P4I2705	09/27/24 11:35	09/28/24 04:09	EPA 8021B	
Toluene	ND	0.00100	mg/kg wet	1	P4I2705	09/27/24 11:35	09/28/24 04:09	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg wet	1	P4I2705	09/27/24 11:35	09/28/24 04:09	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg wet	1	P4I2705	09/27/24 11:35	09/28/24 04:09	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg wet	1	P4I2705	09/27/24 11:35	09/28/24 04:09	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	86.2 %		80-120		P4I2705	09/27/24 11:35	09/28/24 04:09	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	116 %		80-120		P4I2705	09/27/24 11:35	09/28/24 04:09	EPA 8021B	

Organics by GC

Ethane	ND	0.00100	mg/L	1	P4J0917	10/01/24 00:00	10/02/24 09:51	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4J0917	10/01/24 00:00	10/02/24 09:51	8015M	SUB-13
Methane	0.00140	0.000500	mg/L	1	P4J0917	10/01/24 00:00	10/02/24 09:51	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	2.00	mg/L	1	P4I1806	09/30/24 10:00	10/01/24 11:53	8000	
Nitrate as N	ND	0.200	mg/L	1	P4I2703	09/27/24 08:29	09/27/24 17:24	EPA 300.0	
Sulfate	72.0	1.00	mg/L	1	P4I2703	09/27/24 08:29	09/27/24 17:24	EPA 300.0	
Total Organic Carbon	2.99	1.00	mg/L	1	P4J0917	10/07/24 21:15	10/07/24 21:15	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P4J0917	10/06/24 00:00	10/07/24 16:04	EPA 6020A	SUB-13
Manganese	ND	0.00500	mg/L	1	P4J0917	10/06/24 00:00	10/07/24 16:04	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

MW-17
4127001-05 (Water)

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

BTEX by 8021B

Benzene	ND	0.00100	mg/kg wet	1	P4I2705	09/27/24 11:35	09/28/24 04:31	EPA 8021B	
Toluene	ND	0.00100	mg/kg wet	1	P4I2705	09/27/24 11:35	09/28/24 04:31	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg wet	1	P4I2705	09/27/24 11:35	09/28/24 04:31	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg wet	1	P4I2705	09/27/24 11:35	09/28/24 04:31	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg wet	1	P4I2705	09/27/24 11:35	09/28/24 04:31	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	86.8 %		80-120		P4I2705	09/27/24 11:35	09/28/24 04:31	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	115 %		80-120		P4I2705	09/27/24 11:35	09/28/24 04:31	EPA 8021B	

Organics by GC

Ethane	ND	0.00100	mg/L	1	P4J0917	10/01/24 00:00	10/02/24 10:00	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4J0917	10/01/24 00:00	10/02/24 10:00	8015M	SUB-13
Methane	0.00105	0.000500	mg/L	1	P4J0917	10/01/24 00:00	10/02/24 10:00	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	2.00	mg/L	1	P4I3015	09/30/24 10:09	10/04/24 12:41	8000	
Nitrate as N	ND	0.200	mg/L	1	P4I2703	09/27/24 08:29	09/27/24 18:24	EPA 300.0	
Sulfate	76.8	1.00	mg/L	1	P4I2703	09/27/24 08:29	09/27/24 18:24	EPA 300.0	
Total Organic Carbon	ND	5.00	mg/L	1	P4J0917	10/07/24 21:26	10/07/24 21:26	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P4J0917	10/06/24 00:00	10/07/24 16:06	EPA 6020A	SUB-13
Manganese	0.00561	0.00500	mg/L	1	P4J0917	10/06/24 00:00	10/07/24 16:06	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

RW-2
4127001-06 (Water)

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

BTEX by 8021B

Benzene	ND	0.00100	mg/kg wet	1	P4I2705	09/27/24 11:35	09/28/24 04:53	EPA 8021B	
Toluene	ND	0.00100	mg/kg wet	1	P4I2705	09/27/24 11:35	09/28/24 04:53	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg wet	1	P4I2705	09/27/24 11:35	09/28/24 04:53	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg wet	1	P4I2705	09/27/24 11:35	09/28/24 04:53	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg wet	1	P4I2705	09/27/24 11:35	09/28/24 04:53	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	115 %		80-120		P4I2705	09/27/24 11:35	09/28/24 04:53	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	85.9 %		80-120		P4I2705	09/27/24 11:35	09/28/24 04:53	EPA 8021B	

Organics by GC

Ethane	ND	0.00100	mg/L	1	P4J0917	10/01/24 00:00	10/02/24 10:10	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4J0917	10/01/24 00:00	10/02/24 10:10	8015M	SUB-13
Methane	0.00142	0.000500	mg/L	1	P4J0917	10/01/24 00:00	10/02/24 10:10	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	2.00	2.00	mg/L	1	P4I3015	09/30/24 10:09	10/04/24 12:41	8000	
Nitrate as N	ND	0.200	mg/L	1	P4I2703	09/27/24 08:29	09/27/24 19:23	EPA 300.0	
Sulfate	245	1.00	mg/L	1	P4I2703	09/27/24 08:29	09/27/24 19:23	EPA 300.0	
Total Organic Carbon	3.56	1.00	mg/L	1	P4J0917	10/07/24 21:38	10/07/24 21:38	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	0.423	0.200	mg/L	1	P4J0917	10/06/24 00:00	10/07/24 16:08	EPA 6020A	SUB-13
Manganese	0.141	0.00500	mg/L	1	P4J0917	10/06/24 00:00	10/07/24 16:08	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4I2705 - * DEFAULT PREP *****

Blank (P4I2705-BLK1)

Prepared: 09/27/24 Analyzed: 09/28/24

Benzene	ND	0.00100	mg/kg							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.104		"	0.120		86.3	80-120			
Surrogate: 4-Bromofluorobenzene	0.140		"	0.120		117	80-120			

LCS (P4I2705-BS1)

Prepared: 09/27/24 Analyzed: 09/28/24

Benzene	0.0983	0.00100	mg/kg	0.100		98.3	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.116	0.00100	"	0.100		116	80-120			
Xylene (p/m)	0.235	0.00200	"	0.200		118	80-120			
Xylene (o)	0.104	0.00100	"	0.100		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.143		"	0.120		119	80-120			
Surrogate: 1,4-Difluorobenzene	0.112		"	0.120		93.2	80-120			

LCS Dup (P4I2705-BS1)

Prepared: 09/27/24 Analyzed: 09/28/24

Benzene	0.100	0.00100	mg/kg	0.100		100	80-120	2.12	20	
Toluene	0.105	0.00100	"	0.100		105	80-120	3.04	20	
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120	2.44	20	
Xylene (p/m)	0.238	0.00200	"	0.200		119	80-120	1.13	20	
Xylene (o)	0.106	0.00100	"	0.100		106	80-120	2.19	20	
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.8	80-120			
Surrogate: 4-Bromofluorobenzene	0.142		"	0.120		118	80-120			

Calibration Blank (P4I2705-CCB1)

Prepared: 09/27/24 Analyzed: 09/28/24

Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.104		"	0.120		86.3	80-120			
Surrogate: 4-Bromofluorobenzene	0.138		"	0.120		115	80-120			

Permian Basin Environmental Lab, L.P.

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

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4I2705 - * DEFAULT PREP *****

Calibration Blank (P4I2705-CCB2)

Prepared: 09/27/24 Analyzed: 09/28/24

Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.141		"	0.120		117	80-120			
Surrogate: 1,4-Difluorobenzene	0.102		"	0.120		85.0	80-120			

Calibration Check (P4I2705-CCV1)

Prepared: 09/27/24 Analyzed: 09/28/24

Benzene	0.101	0.00100	mg/kg	0.100		101	80-120			
Toluene	0.106	0.00100	"	0.100		106	80-120			
Ethylbenzene	0.107	0.00100	"	0.100		107	80-120			
Xylene (p/m)	0.239	0.00200	"	0.200		119	80-120			
Xylene (o)	0.107	0.00100	"	0.100		107	80-120			
Surrogate: 4-Bromofluorobenzene	0.138		"	0.120		115	80-120			
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		90.8	80-120			

Calibration Check (P4I2705-CCV2)

Prepared: 09/27/24 Analyzed: 09/28/24

Benzene	0.106	0.00100	mg/kg	0.100		106	80-120			
Toluene	0.113	0.00100	"	0.100		113	80-120			
Ethylbenzene	0.115	0.00100	"	0.100		115	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	0.132		"	0.120		110	80-120			
Surrogate: 1,4-Difluorobenzene	0.104		"	0.120		86.6	80-120			

Calibration Check (P4I2705-CCV3)

Prepared: 09/27/24 Analyzed: 09/28/24

Benzene	0.104	0.00100	mg/kg	0.100		104	80-120			
Toluene	0.109	0.00100	"	0.100		109	80-120			
Ethylbenzene	0.110	0.00100	"	0.100		110	80-120			
Xylene (p/m)	0.239	0.00200	"	0.200		120	80-120			
Xylene (o)	0.111	0.00100	"	0.100		111	80-120			
Surrogate: 1,4-Difluorobenzene	0.108		"	0.120		89.8	80-120			
Surrogate: 4-Bromofluorobenzene	0.136		"	0.120		114	80-120			

Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4I2705 - * DEFAULT PREP *****

Matrix Spike (P4I2705-MS1)

Source: 4I26013-14

Prepared: 09/27/24 Analyzed: 09/28/24

Benzene	0.101	0.00100	mg/kg wet	0.100	ND	101	80-120			
Toluene	0.105	0.00100	"	0.100	ND	105	80-120			
Ethylbenzene	0.119	0.00100	"	0.100	ND	119	80-120			
Xylene (p/m)	0.238	0.00200	"	0.200	ND	119	80-120			
Xylene (o)	0.104	0.00100	"	0.100	ND	104	80-120			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.9	80-120			
Surrogate: 4-Bromofluorobenzene	0.142		"	0.120		118	80-120			

Matrix Spike Dup (P4I2705-MSD1)

Source: 4I26013-14

Prepared: 09/27/24 Analyzed: 09/28/24

Benzene	0.102	0.00100	mg/kg wet	0.100	ND	102	80-120	1.55	20	
Toluene	0.107	0.00100	"	0.100	ND	107	80-120	1.65	20	
Ethylbenzene	0.122	0.00100	"	0.100	ND	122	80-120	2.13	20	QM-05
Xylene (p/m)	0.242	0.00200	"	0.200	ND	121	80-120	1.58	20	QM-05
Xylene (o)	0.105	0.00100	"	0.100	ND	105	80-120	1.37	20	
Surrogate: 4-Bromofluorobenzene	0.140		"	0.120		117	80-120			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.6	80-120			

Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4I1806 - * DEFAULT PREP *****

Blank (P4I1806-BLK1)

Prepared: 09/18/24 Analyzed: 10/01/24

Chemical Oxygen Demand	ND	2.00	mg/L
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LCS (P4I1806-BS1)

Prepared: 09/18/24 Analyzed: 10/01/24

Chemical Oxygen Demand	94.0	2.00	mg/L	100	94.0	80-120
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LCS Dup (P4I1806-BSD1)

Prepared: 09/18/24 Analyzed: 10/01/24

Chemical Oxygen Demand	94.0	2.00	mg/L	100	94.0	80-120	0.00	20
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Duplicate (P4I1806-DUP1)

Source: 4I06003-01

Prepared: 09/18/24 Analyzed: 10/01/24

Chemical Oxygen Demand	17.0	2.00	mg/L	17.0	0.00	20
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Matrix Spike (P4I1806-MS1)

Source: 4I06003-01

Prepared: 09/18/24 Analyzed: 10/01/24

Chemical Oxygen Demand	145	2.00	mg/L	100	17.0	128	80-120		QM-05
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Matrix Spike Dup (P4I1806-MSD1)

Source: 4I06003-01

Prepared: 09/18/24 Analyzed: 10/01/24

Chemical Oxygen Demand	148	2.00	mg/L	100	17.0	131	80-120	2.05	20	QM-05
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Batch P4I2703 - * DEFAULT PREP *****

Blank (P4I2703-BLK1)

Prepared & Analyzed: 09/27/24

Nitrate as N	ND	0.200	mg/L
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Sulfate	ND	1.00	"
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LCS (P4I2703-BS1)

Prepared & Analyzed: 09/27/24

Nitrate as N	19.1	mg/L	20.0	95.5	90-110
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Sulfate	18.8	"	20.0	93.8	90-110
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Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4I2703 - * DEFAULT PREP *****

LCS Dup (P4I2703-BSD1)

Prepared & Analyzed: 09/27/24

Sulfate	18.8		mg/L	20.0		93.9	90-110	0.0480	10	
Nitrate as N	19.1		"	20.0		95.5	90-110	0.0419	10	

Calibration Check (P4I2703-CCV1)

Prepared & Analyzed: 09/27/24

Nitrate as N	19.1		mg/L	20.0		95.3	90-110			
Sulfate	18.8		"	20.0		93.8	90-110			

Calibration Check (P4I2703-CCV2)

Prepared & Analyzed: 09/27/24

Nitrate as N	19.2		mg/L	20.0		96.0	90-110			
Sulfate	19.0		"	20.0		95.1	90-110			

Matrix Spike (P4I2703-MS1)

Source: 4I26010-01

Prepared & Analyzed: 09/27/24

Nitrate as N	19.1		mg/L	20.0	0.0490	95.2	80-120			
Sulfate	105		"	20.0	2260	NR	80-120			MS-1

Matrix Spike (P4I2703-MS2)

Source: 4I27001-05

Prepared & Analyzed: 09/27/24

Nitrate as N	20.2		mg/L	20.0	0.125	101	80-120			
Sulfate	93.5		"	20.0	76.8	83.9	80-120			

Matrix Spike Dup (P4I2703-MSD1)

Source: 4I26010-01

Prepared & Analyzed: 09/27/24

Nitrate as N	19.2		mg/L	20.0	0.0490	95.9	80-120	0.679	20	
Sulfate	104		"	20.0	2260	NR	80-120	0.0985	20	MS-1

Matrix Spike Dup (P4I2703-MSD2)

Source: 4I27001-05

Prepared & Analyzed: 09/27/24

Nitrate as N	20.4		mg/L	20.0	0.125	102	80-120	1.06	20	
Sulfate	93.6		"	20.0	76.8	84.4	80-120	0.0983	20	

Permian Basin Environmental Lab, L.P.

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

TRC Solutions- Midland, Texas	Project: HDO 90-23_MNA
10 Desta Dr STE 150E	Project Number: TMN HDO 90-23
Midland TX, 79705	Project Manager: Jonathan Repman

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4I3015 - *** DEFAULT PREP ***

Blank (P4I3015-BLK1)				Prepared & Analyzed: 10/01/24						
Chemical Oxygen Demand	ND	2.00	mg/L							
LCS (P4I3015-BS1)				Prepared & Analyzed: 10/01/24						
Chemical Oxygen Demand	94.0	2.00	mg/L	100		94.0	80-120			
LCS Dup (P4I3015-BSD1)				Prepared & Analyzed: 10/01/24						
Chemical Oxygen Demand	95.0	2.00	mg/L	100		95.0	80-120	1.06	20	

Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

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.

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

MS-1 Recovery of sample outside of historical limits due to matrix interference.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

10/10/2024

Brent Barron, Laboratory Director/Technical Director

Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

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

Permian Basin Environmental Lab, L.P.

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

CH₃

W: _____
Phone: 432-686-7235

Project Manager: John Repman

Company Name: TRC Environmental Cooperation

Company Address: 10 Desta Dr. Suite 410 E

City/State/Zip: Midland Tx 79705

Telephone No: (432)-520-7720

Sampler Signature:

(lab use only)

ORDER #: 4I27001

e-mail:

Fax No.:

Report Format:

☐ Standard

☐ TRRP☐ NPDES

PO #

Project Location:

Project #: HDO 90-23

Project Name: HDO 90-23

Page 17 of 37

(lab use only)					
ORDER #:		4I27001			
LAB # (lab use only)					
FIELD CODE					
Beginning Depth					
Ending Depth					
Date Sampled		9-26-24			
Time Sampled		1730			
Field Filtered					
Total #. of Containers					
Ice					
HNO ₃					
HCl					
H ₂ SO ₄					
NaOH					
Na ₂ S ₂ O ₃					
None					
Other (Specify)					
DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other					
Matrix					
TOC MW 5310					
Dissolved Methane, Ethane, and Ethene by RSK-175					
Total Dissolved Metals (Fe and Mn) by SW 6010					
Nitrate and Sulfate by E300					
COD by SM5310					
Total BTEX by 8260					
RUSH TAT (Pre-Schedule) 24, 48, 72 hrs					
Standard TAT					
Analyze For:					
TOTAL:					
TCLP:					
Laboratory Comments:					
Sample Containers Intact?					
VOCs Free of Headspace?					
Labels on container(s)					
Custody seals on container(s)					
Custody seals on cooler(s)					
Sample Hand Delivered					
by Sampler/Client Rep. ?					
by Courier? UPS DHL FedEx Lone Star					
Temperature Upon Receipt:					
°C Thermometer:					
Adjusted:					



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: ☒ Standard ☐ TRRP ☐ NPDES

ORDER 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Please add tressa@pbelab.com to the WOA. Thank you.

						Sample Containers Intact?					Y	N
						VOCs Free of Headspace?					Y	N
BRENT BARRON	9/30/2024	5:00 PM	Received by:	Date	Time	Labels on container(s)					Y	N
						Custody seals on container(s)					Y	N
						Custody seals on cooler(s)					Y	N
Relinquished by:	Date	Time	Received by:	Date	Time	Sample Hand Delivered					Y	N
						by Sampler/Client Rep. ?					Y	N
						by Courier? UPS DHL FedEx Lone Star						
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						Received: °C						
						Adjusted: °C Factor						



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

October 08, 2024

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

Work Order: **HS24100056**

Laboratory Results for: **4127001**

Dear Brent Barron,

ALS Environmental received 6 sample(s) on Oct 01, 2024 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-Oct-24

Client:

Project:

Work Order:

Permian Basin Environmental Lab, LP
4I27001
HS24100056

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24100056-01	4I27001-01	Water		26-Sep-2024 17:32	01-Oct-2024 12:45	☐
HS24100056-02	4I27001-02	Water		26-Sep-2024 18:55	01-Oct-2024 12:45	☐
HS24100056-03	4I27001-03	Water		26-Sep-2024 15:17	01-Oct-2024 12:45	☐
HS24100056-04	4I27001-04	Water		26-Sep-2024 14:20	01-Oct-2024 12:45	☐
HS24100056-05	4I27001-05	Water		26-Sep-2024 13:35	01-Oct-2024 12:45	☐
HS24100056-06	4I27001-06	Water		26-Sep-2024 16:11	01-Oct-2024 12:45	☐

ALS Houston, US		Date: 08-Oct-24
Client:	Permian Basin Environmental Lab, LP	CASE NARRATIVE
Project:	4I27001	
Work Order:	HS24100056	

GC Semivolatiles by Method RSK-175

Batch ID: R478815

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

Metals by Method SW6020A

Batch ID: 218571

Sample ID: 4I27001-01 (HS24100056-01MS)

- The recovery of the Matrix Spike (MS) associated to this analyte was outside of the established control limits. However, the LCS was within control limits. The recovery of the MS may be due to sample matrix interference. Manganese.

Sample ID: 4I27001-01 (HS24100056-01MSD)

- The recovery of the Matrix Spike Duplicate (MSD) associated to this analyte was outside of the established control limits. However, the LCS was within control limits. The failed recovery of the MSD may be due to sample matrix interference. Manganese.

WetChemistry by Method E415.1

Batch ID: R479268

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

ALS Houston, US

Date: 08-Oct-24

Client:Permian Basin Environmental Lab, LP

Project:4I27001

Sample ID:4I27001-01

Collection Date:26-Sep-2024 17:32

ANALYTICAL REPORT

WorkOrder:HS24100056

Lab ID:HS24100056-01

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	02-Oct-2024 09:24
Ethene	ND		1.00	ug/L	1	02-Oct-2024 09:24
Methane	6,760		100	ug/L	200	02-Oct-2024 15:21
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 07-Oct-2024 Analyst: JC		
Iron	2.16		1.00	mg/L	5	07-Oct-2024 16:31
Manganese	0.0978		0.0250	mg/L	5	07-Oct-2024 16:31
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: DH		
Organic Carbon, Total	86.1		10.0	mg/L	10	07-Oct-2024 20:26

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

ALS Houston, US

Date: 08-Oct-24

Client:Permian Basin Environmental Lab, LP

Project:4I27001

Sample ID:4I27001-02

Collection Date:26-Sep-2024 18:55

ANALYTICAL REPORT

WorkOrder:HS24100056

Lab ID:HS24100056-02

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	02-Oct-2024 09:32
Ethene	ND		1.00	ug/L	1	02-Oct-2024 09:32
Methane	495		10.0	ug/L	20	02-Oct-2024 15:30
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 07-Oct-2024 Analyst: JC		
Iron	ND		0.200	mg/L	1	07-Oct-2024 16:00
Manganese	ND		0.00500	mg/L	1	07-Oct-2024 16:00
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: DH		
Organic Carbon, Total	11.8		10.0	mg/L	10	07-Oct-2024 20:37

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

ALS Houston, US

Date: 08-Oct-24

Client:Permian Basin Environmental Lab, LP

Project:4I27001

Sample ID:4I27001-03

Collection Date:26-Sep-2024 15:17

ANALYTICAL REPORT

WorkOrder:HS24100056

Lab ID:HS24100056-03

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	02-Oct-2024 09:42
Ethene	ND		1.00	ug/L	1	02-Oct-2024 09:42
Methane	4.45		0.500	ug/L	1	02-Oct-2024 09:42
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 07-Oct-2024 Analyst: JC		
Iron	0.309		0.200	mg/L	1	07-Oct-2024 16:02
Manganese	0.138		0.00500	mg/L	1	07-Oct-2024 16:02
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: DH		
Organic Carbon, Total	16.0		1.00	mg/L	1	07-Oct-2024 20:50

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

ALS Houston, US

Date: 08-Oct-24

Client:Permian Basin Environmental Lab, LP

Project:4I27001

Sample ID:4I27001-04

Collection Date:26-Sep-2024 14:20

ANALYTICAL REPORT

WorkOrder:HS24100056

Lab ID:HS24100056-04

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	02-Oct-2024 09:51
Ethene	ND		1.00	ug/L	1	02-Oct-2024 09:51
Methane	1.40		0.500	ug/L	1	02-Oct-2024 09:51
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 07-Oct-2024 Analyst: JC		
Iron	ND		0.200	mg/L	1	07-Oct-2024 16:04
Manganese	ND		0.00500	mg/L	1	07-Oct-2024 16:04
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: DH		
Organic Carbon, Total	2.99		1.00	mg/L	1	07-Oct-2024 21:15

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

ALS Houston, US

Date: 08-Oct-24

Client:Permian Basin Environmental Lab, LP

Project:4I27001

Sample ID:4I27001-05

Collection Date:26-Sep-2024 13:35

ANALYTICAL REPORT

WorkOrder:HS24100056

Lab ID:HS24100056-05

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	02-Oct-2024 10:00
Ethene	ND		1.00	ug/L	1	02-Oct-2024 10:00
Methane	1.05		0.500	ug/L	1	02-Oct-2024 10:00
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 07-Oct-2024 Analyst: JC		
Iron	ND		0.200	mg/L	1	07-Oct-2024 16:06
Manganese	0.00561		0.00500	mg/L	1	07-Oct-2024 16:06
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: DH		
Organic Carbon, Total	ND		5.00	mg/L	5	07-Oct-2024 21:26

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

ALS Houston, US

Date: 08-Oct-24

Client:Permian Basin Environmental Lab, LP

Project:4I27001

Sample ID:4I27001-06

Collection Date:26-Sep-2024 16:11

ANALYTICAL REPORT

WorkOrder:HS24100056

Lab ID:HS24100056-06

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	02-Oct-2024 10:10
Ethene	ND		1.00	ug/L	1	02-Oct-2024 10:10
Methane	1.42		0.500	ug/L	1	02-Oct-2024 10:10
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 07-Oct-2024 Analyst: JC		
Iron	0.423		0.200	mg/L	1	07-Oct-2024 16:08
Manganese	0.141		0.00500	mg/L	1	07-Oct-2024 16:08
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: DH		
Organic Carbon, Total	3.56		1.00	mg/L	1	07-Oct-2024 21:38

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

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: 4I27001
WorkOrder: HS24100056

Batch ID: 218571	Start Date: 07 Oct 2024 08:00	End Date: 07 Oct 2024 08:00
Method: DISS METALS PREP - WATER - SW3010A		Prep Code: 3010A DISS

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24100056-01		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24100056-02		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24100056-03		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24100056-04		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24100056-05		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24100056-06		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2

ALS Houston, US

Date: 08-Oct-24

Client: Permian Basin Environmental Lab, LP
Project: 4I27001
WorkOrder: HS24100056

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 218571 (0)		Test Name : DISSOLVED METALS BY SW6020A			Matrix: Water	
HS24100056-01	4I27001-01	26 Sep 2024 17:32		07 Oct 2024 08:00	07 Oct 2024 16:31	5
HS24100056-02	4I27001-02	26 Sep 2024 18:55		07 Oct 2024 08:00	07 Oct 2024 16:00	1
HS24100056-03	4I27001-03	26 Sep 2024 15:17		07 Oct 2024 08:00	07 Oct 2024 16:02	1
HS24100056-04	4I27001-04	26 Sep 2024 14:20		07 Oct 2024 08:00	07 Oct 2024 16:04	1
HS24100056-05	4I27001-05	26 Sep 2024 13:35		07 Oct 2024 08:00	07 Oct 2024 16:06	1
HS24100056-06	4I27001-06	26 Sep 2024 16:11		07 Oct 2024 08:00	07 Oct 2024 16:08	1
Batch ID: R478815 (0)		Test Name : DISSOLVED GASES BY RSK-175			Matrix: Water	
HS24100056-01	4I27001-01	26 Sep 2024 17:32			02 Oct 2024 15:21	200
HS24100056-01	4I27001-01	26 Sep 2024 17:32			02 Oct 2024 09:24	1
HS24100056-02	4I27001-02	26 Sep 2024 18:55			02 Oct 2024 15:30	20
HS24100056-02	4I27001-02	26 Sep 2024 18:55			02 Oct 2024 09:32	1
HS24100056-03	4I27001-03	26 Sep 2024 15:17			02 Oct 2024 09:42	1
HS24100056-04	4I27001-04	26 Sep 2024 14:20			02 Oct 2024 09:51	1
HS24100056-05	4I27001-05	26 Sep 2024 13:35			02 Oct 2024 10:00	1
HS24100056-06	4I27001-06	26 Sep 2024 16:11			02 Oct 2024 10:10	1
Batch ID: R479268 (0)		Test Name : TOTAL ORGANIC CARBON BY E415.1			Matrix: Water	
HS24100056-01	4I27001-01	26 Sep 2024 17:32			07 Oct 2024 20:26	10
HS24100056-02	4I27001-02	26 Sep 2024 18:55			07 Oct 2024 20:37	10
HS24100056-03	4I27001-03	26 Sep 2024 15:17			07 Oct 2024 20:50	1
HS24100056-04	4I27001-04	26 Sep 2024 14:20			07 Oct 2024 21:15	1
HS24100056-05	4I27001-05	26 Sep 2024 13:35			07 Oct 2024 21:26	5
HS24100056-06	4I27001-06	26 Sep 2024 16:11			07 Oct 2024 21:38	1

ALS Houston, US

Date: 08-Oct-24

Client: Permian Basin Environmental Lab, LP
Project: 4I27001
WorkOrder: HS24100056

QC BATCH REPORT

Batch ID: R478815 (0)		Instrument: FID-4		Method: DISSOLVED GASES BY RSK-175					
MBLK	Sample ID: MBLK-241002	Units: ug/L			Analysis Date: 02-Oct-2024 08:48				
Client ID:	Run ID: FID-4_478815			SeqNo: 8286840		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	ND	1.00							
Ethene	ND	1.00							
Methane	ND	0.500							
LCS	Sample ID: LCS-241002	Units: ug/L			Analysis Date: 02-Oct-2024 08:58				
Client ID:	Run ID: FID-4_478815			SeqNo: 8286841		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	17.18	1.00	18.04	0	95.2	75 - 125			
Ethene	16.74	1.00	16.8	0	99.6	75 - 125			
Methane	8.841	0.500	9.647	0	91.6	75 - 125			
LCSD	Sample ID: LCSD-241002	Units: ug/L			Analysis Date: 02-Oct-2024 09:11				
Client ID:	Run ID: FID-4_478815			SeqNo: 8286842		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	15.24	1.00	18.04	0	84.5	75 - 125	17.18	12	30
Ethene	14.6	1.00	16.8	0	86.9	75 - 125	16.74	13.6	30
Methane	7.807	0.500	9.647	0	80.9	75 - 125	8.841	12.4	30
The following samples were analyzed in this batch:		HS24100056-01		HS24100056-02		HS24100056-03		HS24100056-04	
		HS24100056-05		HS24100056-06					

ALS Houston, US

Date: 08-Oct-24

Client: Permian Basin Environmental Lab, LP

Project: 4I27001

WorkOrder: HS24100056

QC BATCH REPORT

Batch ID: 218571 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
MBLK	Sample ID: MBLK-218571	Units: mg/L		Analysis Date: 07-Oct-2024 15:37					
Client ID:	Run ID: ICPMS06_479056	SeqNo: 8296067		PrepDate: 07-Oct-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	ND	0.200							
Manganese	ND	0.00500							
LCS	Sample ID: LCS-218571	Units: mg/L		Analysis Date: 07-Oct-2024 16:41					
Client ID:	Run ID: ICPMS06_479056	SeqNo: 8296323		PrepDate: 07-Oct-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	4.699	0.200	5	0	94.0	80 - 120			
Manganese	0.04814	0.00500	0.05	0	96.3	80 - 120			
MS	Sample ID: HS24100056-01MS	Units: mg/L		Analysis Date: 07-Oct-2024 15:45					
Client ID: 4I27001-01	Run ID: ICPMS06_479056	SeqNo: 8296071		PrepDate: 07-Oct-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	7.426	0.200	5	1.653	115	75 - 125			
Manganese	0.158	0.00500	0.05	0.07761	161	75 - 125			S
MSD	Sample ID: HS24100056-01MSD	Units: mg/L		Analysis Date: 07-Oct-2024 15:47					
Client ID: 4I27001-01	Run ID: ICPMS06_479056	SeqNo: 8296072		PrepDate: 07-Oct-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	7.367	0.200	5	1.653	114	75 - 125	7.426	0.807	20
Manganese	0.1576	0.00500	0.05	0.07761	160	75 - 125	0.158	0.272	20 S
PDS	Sample ID: HS24100056-01PDS	Units: mg/L		Analysis Date: 07-Oct-2024 16:35					
Client ID: 4I27001-01	Run ID: ICPMS06_479056	SeqNo: 8296304		PrepDate: 07-Oct-2024		DF: 5			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	57.51	1.00	50	2.156	111	75 - 125			
Manganese	0.6346	0.0250	0.5	0.09781	107	75 - 125			

ALS Houston, US

Date: 08-Oct-24

Client:

Permian Basin Environmental Lab, LP

Project:

4I27001

WorkOrder:

HS24100056

QC BATCH REPORT

Batch ID: 218571 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)							
SD	Sample ID: HS24100056-01SD		Units: mg/L		Analysis Date: 07-Oct-2024 16:33						
Client ID: 4I27001-01		Run ID: ICPMS06_479056		SeqNo: 8296303		PrepDate: 07-Oct-2024		DF: 25			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	Limit	Qual	
Iron	2.266	5.00					2.156	0	10	J	
Manganese	0.09707	0.125					0.09781	0	10	J	
The following samples were analyzed in this batch:				HS24100056-01		HS24100056-02		HS24100056-03		HS24100056-04	
				HS24100056-05		HS24100056-06					

ALS Houston, US

Date: 08-Oct-24

Client: Permian Basin Environmental Lab, LP
Project: 4I27001
WorkOrder: HS24100056

QC BATCH REPORT

Batch ID: R479268 (0)		Instrument: TOC_05		Method: TOTAL ORGANIC CARBON BY E415.1						
MBLK	Sample ID: MBLK-10072024	Units: mg/L			Analysis Date: 07-Oct-2024 19:37					
Client ID:	Run ID: TOC_05_479268	SeqNo: 8297110		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-10072024	Units: mg/L			Analysis Date: 07-Oct-2024 19:50					
Client ID:	Run ID: TOC_05_479268	SeqNo: 8297111		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	9.913	1.00	10	0	99.1	85 - 115				
LCSD	Sample ID: LCSD-10072024	Units: mg/L			Analysis Date: 07-Oct-2024 20:03					
Client ID:	Run ID: TOC_05_479268	SeqNo: 8297112		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	9.913	1.87	20	
MS	Sample ID: HS24100056-03MS	Units: mg/L			Analysis Date: 07-Oct-2024 21:03					
Client ID: 4I27001-03	Run ID: TOC_05_479268	SeqNo: 8297116		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	24.38	1.00	10	16.05	83.3	80 - 120				
The following samples were analyzed in this batch:										
HS24100056-01		HS24100056-02		HS24100056-03		HS24100056-04				
HS24100056-05		HS24100056-06								

ALS Houston, US

Date: 08-Oct-24

Client: Permian Basin Environmental Lab, LP
Project: 4127001
WorkOrder: HS24100056

**QUALIFIERS,
ACRONYMS, UNITS**

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

ALS Houston, US

Date: 08-Oct-24

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arizona	AZ0793	27-May-2025
Arkansas	88-00356_2024	27-Mar-2025
California	2919; 2025	30-Apr-2025
Dept of Defense	L24-240	30-Apr-2026
Dept of Defense	L24-239	30-Apr-2026
Florida	E87611-38	30-Jun-2025
Illinois	2000322023-11	31-Jul-2025
Kansas	E-10352 2023-2024	31-Jul-2025
Kentucky	123043	30-Apr-2025
Louisiana	03087 2023-2024	30-Jun-2025
Maine	2024017	23-Jun-2026
Michigan	9971	30-Apr-2025
Nebraska	NE-OS-25-13	30-Apr-2025
New Jersey	TX008	30-Jun-2025
North Carolina	624 - 2024	31-Dec-2024
Pennsylvania	018	30-Jun-2025
Tennessee	04016	30-Apr-2025
Texas	T104704231 TX-C24-00130	30-Apr-2025
Utah	TX026932023-14	31-Jul-2025

ALS Houston, US

Date: 08-Oct-24

Sample Receipt Checklist

Work Order ID: HS24100056

Date/Time Received: 01-Oct-2024 12:45

Client Name: Permian Basin Lab

Received by: Belinda Gomez

Completed By: <u>/S/ Rajen Giga</u>	01-Oct-2024 13:40	Reviewed by: <u>/S/ Anna Kinchen</u>	02-Oct-2024 15:00
eSignature	Date/Time	eSignature	Date/Time

Matrices: waterCarrier name: ALS Courier

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:4127001
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):	2.8uc/c IR34		
Cooler(s)/Kit(s):	Red		
Date/Time sample(s) sent to storage:	10/01/2024 13:50		
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 BarronCompany Name: PBELCompany Address: 1400 Rankin HWYCity/State/Zip: Midland Texas 79701Telephone No: 432-661-4184

Fax No: _____

Sampler Signature: N/Ae-mail: brentbarron@pbelab.com**HS24100056**

Permian Basin Environmental Lab, LP
4127001

Report Format: ☒ Standard ☐ LIMS ☐ Other

ORDER #:		Preservation & # of Containers										Matrix		Analyze For:										72 HOUR RUSH							
LAB # (lab use only)		Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	ICE	HNO ₃ 250 mL POLY 1	HCl 3 40mL VOA	H ₂ SO ₄ 1 AMBER 500/250POLY	NaOH /Ascorbic Acid 250ML P	NaOH/Zn	NONE 500ML POLY 250 MIL POLY 500 ML AMBER GLASS	NONE	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Portable Specify Other	RSK SOP-175	Mn DISS ICP MS 6010B	Fe DISS ICP MS 6010B	TOC-415.1											
	4127001-01			9/26/2024	17:32	Y	5	X	X	X	X			X		W	X	X	X	X											X
	4127001-02			9/26/2024	18:55	Y	5	X	X	X	X			X		W	X	X	X	X											X
	4127001-03			9/26/2024	15:17	Y	5	X	X	X	X			X		W	X	X	X	X											X
	4127001-04			9/26/2024	14:20	Y	5	X	X	X	X			X		W	X	X	X	X											X
	4127001-05			9/26/2024	13:35	Y	5	X	X	X	X			X		W	X	X	X	X											X
	4127001-06			9/26/2024	16:11	Y	5	X	X	X	X			X		W	X	X	X	X											X

Please add tressa@pbelab.com to the WOA. Thank you.

BRENT BARRON	9/30/2024	5:00 PM	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
Relinquished by:	Date	Time	Received by:	Date	Time	
Relinquished by:	Date	Time	Received by:	Date	Time	
Relinquished by:	Date	Time	Received by:	Date	Time	

10/1/24 1245 N/A 10/1/24 934

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



Analytical Report

Prepared for:

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Location: Lea County, NM
Lab Order Number: 4K07012



Current Certification

Report Date: 12/02/24

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-17	4K07012-01	Water	11/06/24 11:14	11-07-2024 08:30
MW-9	4K07012-02	Water	11/06/24 12:25	11-07-2024 08:30
MW-3	4K07012-03	Water	11/06/24 13:38	11-07-2024 08:30
RW-2	4K07012-04	Water	11/06/24 14:51	11-07-2024 08:30
MW-2	4K07012-05	Water	11/06/24 16:10	11-07-2024 08:30
MW-6	4K07012-06	Water	11/06/24 17:25	11-07-2024 08:30

TOC, RSK-175, and Dissolved Fe and Mn analysis were subcontracted to ALS Houston . Their report is attached after the Chain of Custody. Their TCEQ TNI certification number can be found here:

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

MW-17
4K07012-01 (Water)

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

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4K1110	11/11/24 10:50	11/11/24 18:16	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4K1110	11/11/24 10:50	11/11/24 18:16	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4K1110	11/11/24 10:50	11/11/24 18:16	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4K1110	11/11/24 10:50	11/11/24 18:16	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4K1110	11/11/24 10:50	11/11/24 18:16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	98.8 %		80-120		P4K1110	11/11/24 10:50	11/11/24 18:16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	102 %		80-120		P4K1110	11/11/24 10:50	11/11/24 18:16	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P4K2706	11/13/24 00:00	11/13/24 09:22	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4K2706	11/13/24 00:00	11/13/24 09:22	8015M	SUB-13
Methane	0.00135	0.000500	mg/L	1	P4K2706	11/13/24 00:00	11/13/24 09:22	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	2.00	mg/L	1	P4K1809	11/18/24 13:20	11/18/24 13:25	8000	
Nitrate as N	0.269	0.200	mg/L	1	P4K0803	11/08/24 11:09	11/08/24 20:55	EPA 300.0	
Sulfate	74.0	1.00	mg/L	1	P4K0803	11/08/24 13:09	11/08/24 20:55	EPA 300.0	
Total Organic Carbon	1.50	1.00	mg/L	1	P4K2706	11/20/24 00:16	11/20/24 00:16	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P4K2706	11/13/24 00:00	11/16/24 17:02	EPA 6020A	SUB-13
Manganese	ND	0.00500	mg/L	1	P4K2706	11/13/24 00:00	11/16/24 17:02	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

MW-9
4K07012-02 (Water)

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

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4K1110	11/11/24 10:50	11/11/24 18:37	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4K1110	11/11/24 10:50	11/11/24 18:37	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4K1110	11/11/24 10:50	11/11/24 18:37	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4K1110	11/11/24 10:50	11/11/24 18:37	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4K1110	11/11/24 10:50	11/11/24 18:37	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	91.7 %		80-120		P4K1110	11/11/24 10:50	11/11/24 18:37	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	103 %		80-120		P4K1110	11/11/24 10:50	11/11/24 18:37	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P4K2706	11/13/24 00:00	11/13/24 09:31	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4K2706	11/13/24 00:00	11/13/24 09:31	8015M	SUB-13
Methane	0.00166	0.000500	mg/L	1	P4K2706	11/13/24 00:00	11/13/24 09:31	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	2.00	mg/L	1	P4K1809	11/18/24 13:20	11/18/24 13:25	8000	
Nitrate as N	ND	0.200	mg/L	1	P4K0803	11/08/24 11:09	11/08/24 21:34	EPA 300.0	
Sulfate	71.4	1.00	mg/L	1	P4K0803	11/08/24 13:09	11/08/24 21:34	EPA 300.0	
Total Organic Carbon	2.64	1.00	mg/L	1	P4K2706	11/20/24 00:27	11/20/24 00:27	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P4K2706	11/13/24 00:00	11/16/24 17:04	EPA 6020A	SUB-13
Manganese	ND	0.00500	mg/L	1	P4K2706	11/13/24 00:00	11/16/24 17:04	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

MW-3
4K07012-03 (Water)

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

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4K1110	11/11/24 10:50	11/11/24 18:58	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4K1110	11/11/24 10:50	11/11/24 18:58	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4K1110	11/11/24 10:50	11/11/24 18:58	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4K1110	11/11/24 10:50	11/11/24 18:58	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4K1110	11/11/24 10:50	11/11/24 18:58	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	89.9 %		80-120		P4K1110	11/11/24 10:50	11/11/24 18:58	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	103 %		80-120		P4K1110	11/11/24 10:50	11/11/24 18:58	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P4K2706	11/13/24 00:00	11/13/24 09:39	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4K2706	11/13/24 00:00	11/13/24 09:39	8015M	SUB-13
Methane	0.00361	0.000500	mg/L	1	P4K2706	11/13/24 00:00	11/13/24 09:39	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	1200	40.0	mg/L	1	P4K1810	11/18/24 13:21	11/18/24 13:23	8000	
Nitrate as N	ND	0.200	mg/L	1	P4K0803	11/08/24 13:09	11/08/24 21:53	EPA 300.0	
Sulfate	144	1.00	mg/L	1	P4K0803	11/08/24 13:09	11/08/24 21:53	EPA 300.0	
Total Organic Carbon	18.8	1.00	mg/L	1	P4K2706	11/20/24 00:39	11/20/24 00:39	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	0.380	0.200	mg/L	1	P4K2706	11/13/24 00:00	11/16/24 17:06	EPA 6020A	SUB-13
Manganese	0.152	0.00500	mg/L	1	P4K2706	11/13/24 00:00	11/16/24 17:06	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

RW-2
4K07012-04 (Water)

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

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4K1110	11/11/24 10:50	11/11/24 19:18	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4K1110	11/11/24 10:50	11/11/24 19:18	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4K1110	11/11/24 10:50	11/11/24 19:18	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4K1110	11/11/24 10:50	11/11/24 19:18	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4K1110	11/11/24 10:50	11/11/24 19:18	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	92.7 %		80-120		P4K1110	11/11/24 10:50	11/11/24 19:18	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	103 %		80-120		P4K1110	11/11/24 10:50	11/11/24 19:18	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P4K2706	11/13/24 00:00	11/13/24 09:48	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4K2706	11/13/24 00:00	11/13/24 09:48	8015M	SUB-13
Methane	0.00132	0.000500	mg/L	1	P4K2706	11/13/24 00:00	11/13/24 09:48	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	2.00	mg/L	1	P4K1809	11/18/24 13:20	11/18/24 13:25	8000	
Nitrate as N	ND	0.200	mg/L	1	P4K0803	11/08/24 13:09	11/08/24 22:12	EPA 300.0	
Sulfate	234	1.00	mg/L	1	P4K0803	11/08/24 13:09	11/08/24 22:12	EPA 300.0	
Total Organic Carbon	4.13	1.00	mg/L	1	P4K2706	11/20/24 00:49	11/20/24 00:49	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	0.895	0.200	mg/L	1	P4K2706	11/13/24 00:00	11/16/24 17:08	EPA 6020A	SUB-13
Manganese	0.105	0.00500	mg/L	1	P4K2706	11/13/24 00:00	11/16/24 17:08	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

MW-2
4K07012-05 (Water)

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

Organics by GC

Benzene	0.0256	0.00100	mg/L	1	P4K1110	11/11/24 10:50	11/11/24 19:39	EPA 8021B	
Toluene	0.0118	0.00100	mg/L	1	P4K1110	11/11/24 10:50	11/11/24 19:39	EPA 8021B	
Ethylbenzene	0.00958	0.00100	mg/L	1	P4K1110	11/11/24 10:50	11/11/24 19:39	EPA 8021B	
Xylene (p/m)	0.0105	0.00200	mg/L	1	P4K1110	11/11/24 10:50	11/11/24 19:39	EPA 8021B	
Xylene (o)	0.0284	0.00100	mg/L	1	P4K1110	11/11/24 10:50	11/11/24 19:39	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>91.8 %</i>		<i>80-120</i>		<i>P4K1110</i>	<i>11/11/24 10:50</i>	<i>11/11/24 19:39</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>83.8 %</i>		<i>80-120</i>		<i>P4K1110</i>	<i>11/11/24 10:50</i>	<i>11/11/24 19:39</i>	<i>EPA 8021B</i>	
Ethane	ND	0.00100	mg/L	1	P4K2706	11/13/24 00:00	11/13/24 09:56	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4K2706	11/13/24 00:00	11/13/24 09:56	8015M	SUB-13
Methane	6.77	0.100	mg/L	1	P4K2706	11/13/24 00:00	11/13/24 11:35	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	1360	40.0	mg/L	1	P4K1810	11/18/24 13:21	11/18/24 13:23	8000	
Nitrate as N	ND	0.200	mg/L	1	P4K0803	11/08/24 13:09	11/08/24 22:32	EPA 300.0	
Sulfate	ND	1.00	mg/L	1	P4K0803	11/08/24 13:09	11/08/24 22:32	EPA 300.0	
Total Organic Carbon	10.9	1.00	mg/L	1	P4K2706	11/20/24 01:01	11/20/24 01:01	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	2.32	0.200	mg/L	1	P4K2706	11/13/24 00:00	11/16/24 17:16	EPA 6020A	SUB-13
Manganese	0.0972	0.00500	mg/L	1	P4K2706	11/13/24 00:00	11/16/24 17:16	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

MW-6
4K07012-06 (Water)

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

Organics by GC

Benzene	0.232	0.00100	mg/L	1	P4K1110	11/11/24 10:50	11/11/24 20:42	EPA 8021B	
Toluene	0.00286	0.00100	mg/L	1	P4K1110	11/11/24 10:50	11/11/24 20:42	EPA 8021B	
Ethylbenzene	0.431	0.00500	mg/L	5	P4K1110	11/11/24 10:50	11/12/24 11:35	EPA 8021B	
Xylene (p/m)	0.294	0.00200	mg/L	1	P4K1110	11/11/24 10:50	11/11/24 20:42	EPA 8021B	
Xylene (o)	0.0376	0.00100	mg/L	1	P4K1110	11/11/24 10:50	11/11/24 20:42	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>91.8 %</i>	<i>80-120</i>			<i>P4K1110</i>	<i>11/11/24 10:50</i>	<i>11/11/24 20:42</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>97.1 %</i>	<i>80-120</i>			<i>P4K1110</i>	<i>11/11/24 10:50</i>	<i>11/11/24 20:42</i>	<i>EPA 8021B</i>	
Ethane	0.0187	0.00100	mg/L	1	P4K2706	11/13/24 00:00	11/13/24 10:04	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4K2706	11/13/24 00:00	11/13/24 10:04	8015M	SUB-13
Methane	0.375	0.0100	mg/L	1	P4K2706	11/13/24 00:00	11/13/24 11:44	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	100	40.0	mg/L	1	P4K1810	11/18/24 13:21	11/18/24 13:23	8000	
Nitrate as N	0.559	0.200	mg/L	1	P4K0803	11/08/24 13:09	11/08/24 22:51	EPA 300.0	
Sulfate	60.6	1.00	mg/L	1	P4K0803	11/08/24 13:09	11/08/24 22:51	EPA 300.0	
Total Organic Carbon	ND	1.00	mg/L	1	P4K2706	11/20/24 01:11	11/20/24 01:11	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P4K2706	11/13/24 00:00	11/16/24 17:18	EPA 6020A	SUB-13
Manganese	ND	0.00500	mg/L	1	P4K2706	11/13/24 00:00	11/16/24 17:18	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4K1110 - * DEFAULT PREP *****

Blank (P4K1110-BLK1)

Prepared & Analyzed: 11/11/24

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	0.120		"	0.120		99.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			

LCS (P4K1110-BS1)

Prepared & Analyzed: 11/11/24

Benzene	0.0905	0.00100	mg/L	0.100		90.5	80-120			
Toluene	0.0908	0.00100	"	0.100		90.8	80-120			
Ethylbenzene	0.0932	0.00100	"	0.100		93.2	80-120			
Xylene (p/m)	0.182	0.00200	"	0.200		91.0	80-120			
Xylene (o)	0.0913	0.00100	"	0.100		91.3	80-120			
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			

LCS Dup (P4K1110-BSD1)

Prepared & Analyzed: 11/11/24

Benzene	0.0850	0.00100	mg/L	0.100		85.0	80-120	6.16	20	
Toluene	0.0855	0.00100	"	0.100		85.5	80-120	5.99	20	
Ethylbenzene	0.0878	0.00100	"	0.100		87.8	80-120	5.97	20	
Xylene (p/m)	0.173	0.00200	"	0.200		86.5	80-120	5.02	20	
Xylene (o)	0.0880	0.00100	"	0.100		88.0	80-120	3.65	20	
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		99.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			

Calibration Blank (P4K1110-CCB1)

Prepared & Analyzed: 11/11/24

Benzene	0.0700		ug/l							
Toluene	0.190		"							
Ethylbenzene	0.400		"							
Xylene (p/m)	0.900		"							
Xylene (o)	0.570		"							
Surrogate: 4-Bromofluorobenzene	0.121		"	0.120		101	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			

Permian Basin Environmental Lab, L.P.

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

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4K1110 - * DEFAULT PREP *****

Calibration Blank (P4K1110-CCB2)

Prepared & Analyzed: 11/11/24

Benzene	0.0800		ug/l							
Toluene	0.0900		"							
Ethylbenzene	0.280		"							
Xylene (p/m)	0.680		"							
Xylene (o)	0.390		"							
Surrogate: 4-Bromofluorobenzene	0.112		"	0.120		93.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		103	80-120			

Calibration Check (P4K1110-CCV1)

Prepared & Analyzed: 11/11/24

Benzene	0.0926	0.00100	mg/L	0.100		92.6	80-120			
Toluene	0.0938	0.00100	"	0.100		93.8	80-120			
Ethylbenzene	0.0958	0.00100	"	0.100		95.8	80-120			
Xylene (p/m)	0.190	0.00200	"	0.200		95.0	80-120			
Xylene (o)	0.0960	0.00100	"	0.100		96.0	80-120			
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		103	80-120			

Calibration Check (P4K1110-CCV2)

Prepared & Analyzed: 11/11/24

Benzene	0.0896	0.00100	mg/L	0.100		89.6	80-120			
Toluene	0.0903	0.00100	"	0.100		90.3	80-120			
Ethylbenzene	0.0898	0.00100	"	0.100		89.8	80-120			
Xylene (p/m)	0.176	0.00200	"	0.200		87.9	80-120			
Xylene (o)	0.0924	0.00100	"	0.100		92.4	80-120			
Surrogate: 4-Bromofluorobenzene	0.113		"	0.120		94.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		103	80-120			

Calibration Check (P4K1110-CCV3)

Prepared & Analyzed: 11/11/24

Benzene	0.0974	0.00100	mg/L	0.100		97.4	80-120			
Toluene	0.0963	0.00100	"	0.100		96.3	80-120			
Ethylbenzene	0.0975	0.00100	"	0.100		97.5	80-120			
Xylene (p/m)	0.192	0.00200	"	0.200		96.0	80-120			
Xylene (o)	0.0981	0.00100	"	0.100		98.1	80-120			
Surrogate: 4-Bromofluorobenzene	0.121		"	0.120		101	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		101	80-120			

Permian Basin Environmental Lab, L.P.

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

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

TRC Solutions- Midland, Texas	Project: HDO 90-23_MNA
10 Desta Dr STE 150E	Project Number: TMN HDO 90-23
Midland TX, 79705	Project Manager: Jonathan Repman

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4K1110 - *** DEFAULT PREP ***

Duplicate (P4K1110-DUP1)	Source: 4J29007-01			Prepared & Analyzed: 11/11/24						
Benzene	0.0672	0.00100	mg/L		0.0622			7.85	20	
Toluene	0.0480	0.00100	"		0.0444			7.86	20	
Ethylbenzene	0.0835	0.00100	"		0.0764			8.96	20	
Xylene (p/m)	0.0993	0.00200	"		0.0899			9.87	20	
Xylene (o)	0.0101	0.00100	"		0.00924			8.60	20	
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			

Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

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 P4K0803 - * DEFAULT PREP *****

Blank (P4K0803-BLK1)

Prepared & Analyzed: 11/08/24

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

LCS (P4K0803-BS1)

Prepared & Analyzed: 11/08/24

Nitrate as N	18.7		mg/L	20.0		93.7	90-110			
Sulfate	18.0		"	20.0		90.0	90-110			

LCS Dup (P4K0803-BSD1)

Prepared & Analyzed: 11/08/24

Nitrate as N	18.7		mg/L	20.0		93.7	90-110	0.0160	10	
Sulfate	18.0		"	20.0		90.2	90-110	0.111	10	

Calibration Check (P4K0803-CCV1)

Prepared & Analyzed: 11/08/24

Sulfate	18.1		mg/L	20.0		90.4	90-110			
Nitrate as N	18.8		"	20.0		93.9	90-110			

Calibration Check (P4K0803-CCV2)

Prepared & Analyzed: 11/08/24

Nitrate as N	18.8		mg/L	20.0		93.8	90-110			
Sulfate	18.0		"	20.0		90.2	90-110			

Duplicate (P4K0803-DUP1)

Source: 4K07012-01

Prepared & Analyzed: 11/08/24

Nitrate as N	0.266	0.200	mg/L		0.269			1.12	20	
Sulfate	73.9	1.00	"		74.0			0.187	20	

Batch P4K1809 - * DEFAULT PREP *****

Blank (P4K1809-BLK1)

Prepared & Analyzed: 11/18/24

Chemical Oxygen Demand	ND	2.00	mg/L							
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Permian Basin Environmental Lab, L.P.

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

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

TRC Solutions- Midland, Texas	Project: HDO 90-23_MNA
10 Desta Dr STE 150E	Project Number: TMN HDO 90-23
Midland TX, 79705	Project Manager: Jonathan Repman

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 P4K1810 - *** DEFAULT PREP ***

Blank (P4K1810-BLK1)	Prepared & Analyzed: 11/18/24									
Chemical Oxygen Demand	ND	2.00	mg/L							

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Project Manager: Jonathan Repman

Notes and Definitions

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

ROI Received on Ice

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

NPBEL C Chain of Custody was not generated at PBELAB

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

12/2/2024

Brent Barron, Laboratory Director/Technical Director

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

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

Permian Basin Environmental Lab, L.P.

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

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

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

W:

Phone: 432-686-7235

Project Name: Plains Marketing, L.P.

Project #: HDO 90-23

Project Loc: Lea County, New Mexico

PO #: SRS HDO 90-23

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

e-mail: jiepman@trccompanies.com, Camille.Bryant@plains.com, Karolanne.Hudgens@plains.com

(lab use only)

ORDER #: 4K07012

[illegible]

Special Instructions:

Laboratory Comments:

Sample Containers Intact?

Labels on container(s)

VOC's Free of Headspace:

Labels on container(s)
Clistody seals on container(s)

Custody seals on cooler(s)

Sample Hand Delivered

by Sampler/Client Rep. ?

by Counter? OFS

Received: 5.7 °C

Adjusted: 5.7 °C

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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235
PBELAB_SUB_COC_V2

Project Manager: Brent Barron

Project Name: SUBCONTRACT

Company Name PBEL

Project #: _____

Company Address: 1400 Rankin HWY

Project Loc: _____

City/State/Zip: Midland Texas 79701

PO #: _____

Telephone No: 432-661-4184

Fax No: _____

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: N/A

e-mail: brentbarron@pbelab.com

ORDER #:												Analyze For:										24 HOUR RUSH	STANDARD																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
LAB # (lab use only)		Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers							Matrix		RSK SOP-175	TOC-415.1	Fe DISS ICPMS 6020A	Mn DISS ICPMS 6020A																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							

Please add tressa@pbelab.com to the WOA. Thank you.

BRENT BARRON						11/7/2024	5:00 PM	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 by Sampler/Client Rep. ? Y N by Courier? UPS DHL FedEx Lone Star Temperature Upon Receipt: Received: °C Adjusted: °C Factor									
Relinquished by:						Date	Time	Received by:		Date	Time										
Relinquished by:						Date	Time	Received by:		Date	Time										



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

November 20, 2024

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

Work Order: **HS24110605**

Laboratory Results for: **4K07012**

Dear Brent Barron,

ALS Environmental received 6 sample(s) on Nov 12, 2024 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
Jessica Monfore
Project manager

ALS Houston, US

Date: 20-Nov-24

Client:

Project:

Work Order:

Permian Basin Environmental Lab, LP
4K07012
HS24110605

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24110605-01	4K07012-01	Water		06-Nov-2024 11:14	12-Nov-2024 09:10	☐
HS24110605-02	4K07012-02	Water		06-Nov-2024 12:25	12-Nov-2024 09:10	☐
HS24110605-03	4K07012-03	Water		06-Nov-2024 13:38	12-Nov-2024 09:10	☐
HS24110605-04	4K07012-04	Water		06-Nov-2024 14:51	12-Nov-2024 09:10	☐
HS24110605-05	4K07012-05	Water		06-Nov-2024 16:10	12-Nov-2024 09:10	☐
HS24110605-06	4K07012-06	Water		06-Nov-2024 17:25	12-Nov-2024 09:10	☐

ALS Houston, US

Date: 20-Nov-24

Client: Permian Basin Environmental Lab, LP
Project: 4K07012
Work Order: HS24110605

CASE NARRATIVE

GC Semivolatiles by Method RSK-175

Batch ID: R499789

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

Metals by Method SW6020A

Batch ID: 220650

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

WetChemistry by Method E415.1

Batch ID: R500454

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

ALS Houston, US

Date: 20-Nov-24

Client:Permian Basin Environmental Lab, LP

Project:4K07012

Sample ID:4K07012-01

Collection Date:06-Nov-2024 11:14

ANALYTICAL REPORT

WorkOrder:HS24110605

Lab ID:HS24110605-01

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	13-Nov-2024 09:22
Ethene	ND		1.00	ug/L	1	13-Nov-2024 09:22
Methane	1.35		0.500	ug/L	1	13-Nov-2024 09:22
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 15-Nov-2024		Analyst: JC
Iron	ND		0.200	mg/L	1	16-Nov-2024 17:02
Manganese	ND		0.00500	mg/L	1	16-Nov-2024 17:02
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	1.50		1.00	mg/L	1	20-Nov-2024 00:16

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

ALS Houston, US

Date: 20-Nov-24

Client:Permian Basin Environmental Lab, LP

Project:4K07012

Sample ID:4K07012-02

Collection Date:06-Nov-2024 12:25

ANALYTICAL REPORT

WorkOrder:HS24110605

Lab ID:HS24110605-02

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175			Analyst: RG	
Ethane	ND		1.00	ug/L	1	13-Nov-2024 09:31
Ethene	ND		1.00	ug/L	1	13-Nov-2024 09:31
Methane	1.66		0.500	ug/L	1	13-Nov-2024 09:31
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)			Prep:SW3010A / 15-Nov-2024 Analyst: JC	
Iron	ND		0.200	mg/L	1	16-Nov-2024 17:04
Manganese	ND		0.00500	mg/L	1	16-Nov-2024 17:04
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1			Analyst: JAC	
Organic Carbon, Total	2.64		1.00	mg/L	1	20-Nov-2024 00:27

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

ALS Houston, US

Date: 20-Nov-24

Client:Permian Basin Environmental Lab, LP

Project:4K07012

Sample ID:4K07012-03

Collection Date:06-Nov-2024 13:38

ANALYTICAL REPORT

WorkOrder:HS24110605

Lab ID:HS24110605-03

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	13-Nov-2024 09:39
Ethene	ND		1.00	ug/L	1	13-Nov-2024 09:39
Methane	3.61		0.500	ug/L	1	13-Nov-2024 09:39
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 15-Nov-2024 Analyst: JC		
Iron	0.380		0.200	mg/L	1	16-Nov-2024 17:06
Manganese	0.152		0.00500	mg/L	1	16-Nov-2024 17:06
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	18.8		1.00	mg/L	1	20-Nov-2024 00:39

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

ALS Houston, US

Date: 20-Nov-24

Client:Permian Basin Environmental Lab, LP

Project:4K07012

Sample ID:4K07012-04

Collection Date:06-Nov-2024 14:51

ANALYTICAL REPORT

WorkOrder:HS24110605

Lab ID:HS24110605-04

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	13-Nov-2024 09:48
Ethene	ND		1.00	ug/L	1	13-Nov-2024 09:48
Methane	1.32		0.500	ug/L	1	13-Nov-2024 09:48
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 15-Nov-2024 Analyst: JC		
Iron	0.895		0.200	mg/L	1	16-Nov-2024 17:08
Manganese	0.105		0.00500	mg/L	1	16-Nov-2024 17:08
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	4.13		1.00	mg/L	1	20-Nov-2024 00:49

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

ALS Houston, US

Date: 20-Nov-24

Client:Permian Basin Environmental Lab, LP

Project:4K07012

Sample ID:4K07012-05

Collection Date:06-Nov-2024 16:10

ANALYTICAL REPORT

WorkOrder:HS24110605

Lab ID:HS24110605-05

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	13-Nov-2024 09:56
Ethene	ND		1.00	ug/L	1	13-Nov-2024 09:56
Methane	6,770		100	ug/L	200	13-Nov-2024 11:35
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 15-Nov-2024 Analyst: JC		
Iron	2.32		0.200	mg/L	1	16-Nov-2024 17:16
Manganese	0.0972		0.00500	mg/L	1	16-Nov-2024 17:16
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	10.9		1.00	mg/L	1	20-Nov-2024 01:01

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

ALS Houston, US

Date: 20-Nov-24

Client:Permian Basin Environmental Lab, LP

Project:4K07012

Sample ID:4K07012-06

Collection Date:06-Nov-2024 17:25

ANALYTICAL REPORT

WorkOrder:HS24110605

Lab ID:HS24110605-06

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	18.7		1.00	ug/L	1	13-Nov-2024 10:04
Ethene	ND		1.00	ug/L	1	13-Nov-2024 10:04
Methane	375		10.0	ug/L	20	13-Nov-2024 11:44
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 15-Nov-2024 Analyst: JC		
Iron	ND		0.200	mg/L	1	16-Nov-2024 17:18
Manganese	ND		0.00500	mg/L	1	16-Nov-2024 17:18
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	ND		1.00	mg/L	1	20-Nov-2024 01:11

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

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: 4K07012
WorkOrder: HS24110605

Batch ID: 220650	Start Date: 15 Nov 2024 14:00	End Date: 15 Nov 2024 14:00
Method: DISS METALS PREP - WATER - SW3010A		Prep Code: 3010A DISS

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24110605-01		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24110605-02		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24110605-03		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24110605-04		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24110605-05		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24110605-06		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2

ALS Houston, US

Date: 20-Nov-24

Client: Permian Basin Environmental Lab, LP
Project: 4K07012
WorkOrder: HS24110605

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 220650 (0)		Test Name : DISSOLVED METALS BY SW6020A			Matrix: Water	
HS24110605-01	4K07012-01	06 Nov 2024 11:14		15 Nov 2024 14:00	16 Nov 2024 17:02	1
HS24110605-02	4K07012-02	06 Nov 2024 12:25		15 Nov 2024 14:00	16 Nov 2024 17:04	1
HS24110605-03	4K07012-03	06 Nov 2024 13:38		15 Nov 2024 14:00	16 Nov 2024 17:06	1
HS24110605-04	4K07012-04	06 Nov 2024 14:51		15 Nov 2024 14:00	16 Nov 2024 17:08	1
HS24110605-05	4K07012-05	06 Nov 2024 16:10		15 Nov 2024 14:00	16 Nov 2024 17:16	1
HS24110605-06	4K07012-06	06 Nov 2024 17:25		15 Nov 2024 14:00	16 Nov 2024 17:18	1
Batch ID: R499789 (0)		Test Name : DISSOLVED GASES BY RSK-175			Matrix: Water	
HS24110605-01	4K07012-01	06 Nov 2024 11:14			13 Nov 2024 09:22	1
HS24110605-02	4K07012-02	06 Nov 2024 12:25			13 Nov 2024 09:31	1
HS24110605-03	4K07012-03	06 Nov 2024 13:38			13 Nov 2024 09:39	1
HS24110605-04	4K07012-04	06 Nov 2024 14:51			13 Nov 2024 09:48	1
HS24110605-05	4K07012-05	06 Nov 2024 16:10			13 Nov 2024 11:35	200
HS24110605-05	4K07012-05	06 Nov 2024 16:10			13 Nov 2024 09:56	1
HS24110605-06	4K07012-06	06 Nov 2024 17:25			13 Nov 2024 11:44	20
HS24110605-06	4K07012-06	06 Nov 2024 17:25			13 Nov 2024 10:04	1
Batch ID: R500454 (0)		Test Name : TOTAL ORGANIC CARBON BY E415.1			Matrix: Water	
HS24110605-01	4K07012-01	06 Nov 2024 11:14			20 Nov 2024 00:16	1
HS24110605-02	4K07012-02	06 Nov 2024 12:25			20 Nov 2024 00:27	1
HS24110605-03	4K07012-03	06 Nov 2024 13:38			20 Nov 2024 00:39	1
HS24110605-04	4K07012-04	06 Nov 2024 14:51			20 Nov 2024 00:49	1
HS24110605-05	4K07012-05	06 Nov 2024 16:10			20 Nov 2024 01:01	1
HS24110605-06	4K07012-06	06 Nov 2024 17:25			20 Nov 2024 01:11	1

Client:Permian Basin Environmental Lab, LP

Project:4K07012

WorkOrder:HS24110605

QC BATCH REPORT

Batch ID: R499789 (0)		Instrument: FID-4		Method: DISSOLVED GASES BY RSK-175					
MBLK	Sample ID: MBLK-241113	Units: ug/L		Analysis Date: 13-Nov-2024 08:54					
Client ID:	Run ID: FID-4_499789		SeqNo: 8519761		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	ND	1.00							
Ethene	ND	1.00							
Methane	ND	0.500							

LCS	Sample ID: LCS-241113	Units: ug/L		Analysis Date: 13-Nov-2024 09:04					
Client ID:	Run ID: FID-4_499789		SeqNo: 8519762		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	16.92	1.00	18.04	0	93.8	75 - 125			
Ethene	14.09	1.00	16.8	0	83.9	75 - 125			
Methane	11.08	0.500	9.647	0	115	75 - 125			

LCSD	Sample ID: LCSD-241113;	Units: ug/L		Analysis Date: 13-Nov-2024 09:14					
Client ID:	Run ID: FID-4_499789		SeqNo: 8519763		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	16.73	1.00	18.04	0	92.7	75 - 125	16.92	1.12	30
Ethene	14.12	1.00	16.8	0	84.1	75 - 125	14.09	0.216	30
Methane	11.3	0.500	9.647	0	117	75 - 125	11.08	1.99	30

The following samples were analyzed in this batch:				HS24110605-01	HS24110605-02	HS24110605-03	HS24110605-04
				HS24110605-05	HS24110605-06		

ALS Houston, US

Date: 20-Nov-24

Client: Permian Basin Environmental Lab, LP
Project: 4K07012
WorkOrder: HS24110605

QC BATCH REPORT

Batch ID: 220650 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
MBLK	Sample ID: MBLK-220650	Units: mg/L		Analysis Date: 16-Nov-2024 16:43					
Client ID:	Run ID: ICPMS06_500166	SeqNo: 8528495		PrepDate: 15-Nov-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	ND	0.200							
Manganese	ND	0.00500							
LCS	Sample ID: LCS-220650	Units: mg/L		Analysis Date: 16-Nov-2024 16:45					
Client ID:	Run ID: ICPMS06_500166	SeqNo: 8528496		PrepDate: 15-Nov-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	4.782	0.200	5	0	95.6	80 - 120			
Manganese	0.04723	0.00500	0.05	0	94.5	80 - 120			
MS	Sample ID: HS24110772-02MS	Units: mg/L		Analysis Date: 16-Nov-2024 16:57					
Client ID:	Run ID: ICPMS06_500166	SeqNo: 8528502		PrepDate: 15-Nov-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	4.692	0.200	5	0.003616	93.8	75 - 125			
Manganese	0.04709	0.00500	0.05	0.000472	93.2	75 - 125			
MSD	Sample ID: HS24110772-02MSD	Units: mg/L		Analysis Date: 16-Nov-2024 16:59					
Client ID:	Run ID: ICPMS06_500166	SeqNo: 8528503		PrepDate: 15-Nov-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	4.733	0.200	5	0.003616	94.6	75 - 125	4.692	0.879	20
Manganese	0.04804	0.00500	0.05	0.000472	95.1	75 - 125	0.04709	2.01	20
PDS	Sample ID: HS24110772-02PDS	Units: mg/L		Analysis Date: 16-Nov-2024 17:00					
Client ID:	Run ID: ICPMS06_500166	SeqNo: 8528504		PrepDate: 15-Nov-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	9.948	0.200	10	0.003616	99.4	75 - 125			
Manganese	0.0979	0.00500	0.1	0.000472	97.4	75 - 125			

ALS Houston, US

Date: 20-Nov-24

Client: Permian Basin Environmental Lab, LP

Project: 4K07012

WorkOrder: HS24110605

QC BATCH REPORT

Batch ID: 220650 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)							
SD	Sample ID: HS24110772-02SD		Units: mg/L		Analysis Date: 16-Nov-2024 16:53						
Client ID:		Run ID: ICPMS06_500166		SeqNo: 8528500		PrepDate: 15-Nov-2024		DF: 5			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	Limit	Qual	
Iron	ND	1.00					0.003616	0	10		
Manganese	ND	0.0250					0.000472	0	10		
The following samples were analyzed in this batch:				HS24110605-01		HS24110605-02		HS24110605-03		HS24110605-04	
				HS24110605-05		HS24110605-06					

ALS Houston, US

Date: 20-Nov-24

Client: Permian Basin Environmental Lab, LP
Project: 4K07012
WorkOrder: HS24110605

QC BATCH REPORT

Batch ID: R500454 (0)		Instrument: TOC_04		Method: TOTAL ORGANIC CARBON BY E415.1						
MBLK	Sample ID: MBLK-11192024	Units: mg/L			Analysis Date: 19-Nov-2024 23:42					
Client ID:	Run ID: TOC_04_500454	SeqNo: 8535350		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-11192024	Units: mg/L			Analysis Date: 19-Nov-2024 23:55					
Client ID:	Run ID: TOC_04_500454	SeqNo: 8535351		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	9.964	1.00	10	0	99.6	85 - 115				
LCSD	Sample ID: LCSD-11192024	Units: mg/L			Analysis Date: 20-Nov-2024 00:06					
Client ID:	Run ID: TOC_04_500454	SeqNo: 8535352		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	9.964	1.36	20	
MS	Sample ID: HS24110644-01MS	Units: mg/L			Analysis Date: 20-Nov-2024 02:15					
Client ID:	Run ID: TOC_04_500454	SeqNo: 8535364		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	27.8	1.00	10	17.62	102	80 - 120				
The following samples were analyzed in this batch:										
HS24110605-01			HS24110605-02		HS24110605-03			HS24110605-04		
HS24110605-05			HS24110605-06							

ALS Houston, US

Date: 20-Nov-24

Client: Permian Basin Environmental Lab, LP
Project: 4K07012
WorkOrder: HS24110605

**QUALIFIERS,
ACRONYMS, UNITS**

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

ALS Houston, US

Date: 20-Nov-24

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arizona	AZ0793	27-May-2025
Arkansas	88-00356_2024	27-Mar-2025
California	2919; 2025	30-Apr-2025
Dept of Defense	L24-240	30-Apr-2026
Dept of Defense	L24-239	30-Apr-2026
Florida	E87611-38	30-Jun-2025
Illinois	2000322023-11	31-Jul-2025
Kansas	E-10352 2023-2024	31-Jul-2025
Kentucky	123043	30-Apr-2025
Louisiana	03087 2023-2024	30-Jun-2025
Maine	2024017	23-Jun-2026
Michigan	9971	30-Apr-2025
Nebraska	NE-OS-25-13	30-Apr-2025
New Jersey	TX008	30-Jun-2025
North Carolina	624 - 2024	31-Dec-2024
Pennsylvania	018	30-Jun-2025
Tennessee	04016	30-Apr-2025
Texas	T104704231 TX-C24-00130	30-Apr-2025
Utah	TX026932023-14	31-Jul-2025

ALS Houston, US

Date: 20-Nov-24

Sample Receipt Checklist

Work Order ID: HS24110605

Date/Time Received: 12-Nov-2024 09:10

Client Name: Permian Basin Lab

Received by: Jacob Coronado

Completed By: /S/ Travis Appling	12-Nov-2024 16:06	Reviewed by: /S/ Jessica Monfore	18-Nov-2024 16:11
eSignature	Date/Time	eSignature	Date/Time

Matrices: WCarrier name: FedEx

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Samplers name present on COC?	Yes ☐	No ☒	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	

Temperature(s)/Thermometer(s):

1.2UC/ 1.2C

IR34

Cooler(s)/Kit(s):

Red

Date/Time sample(s) sent to storage:

11/12/2024 16:07

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: Samplers name not present on COC.

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

Corrective Action:

PBELAB**CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST**

Permian Basin Environmental L
1400 Rankin HWY
Midland, Texas 79701

HS24110605

Permian Basin Environmental Lab, LP

4K07012

Project Manager: Brent BarronCompany Name: PBELCompany Address: 1400 Rankin HWYCity/State/Zip: Midland Texas 79701Telephone No: 432-661-4184

Fax No: _____

Report Format: ☒ Standard☐ TRRP☐ NPDESSampler Signature: N/Ae-mail: brentbarron@pbelab.com

Project #: _____

Project Loc: _____

PO #: _____

ORDER #:				Preservation & # of Containers										Matrix	Analyze For:																				
LAB # (lab use only)		Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	ICE	HNO ₃ 250 poly 1	HCl 3 40mL VOA	H ₂ SO ₄ 1 AMBER 500/250POLY	NaOH /Ascorbic Acid 250ML P	NaOH/Zn	NONE 500ML POLY 250 MIL POLY 500 ML	WM AMBER GLASS	NONE	DW=Drinking Water S=Sludge	GW = Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	RSK SOP-175	TOC-415.1	Fe DISS ICPMS 6020A	Mn DISS ICPMS 6020A											24 HOUR RUSH	STANDARD
	4K07012-01			11/6/2024	11:14	Y	5	X	X	X	X							W			X	X	X	X											X
	4K07012-02			11/6/2024	12:25	Y	5	X	X	X	X							W			X	X	X	X											X
	4K07012-03			11/6/2024	13:38	Y	5	X	X	X	X							W			X	X	X	X											X
	4K07012-04			11/6/2024	14:51	Y	5	X	X	X	X							W			X	X	X	X											X
	4K07012-05			11/6/2024	16:10	Y	5	X	X	X	X							W			X	X	X	X											X
	4K07012-06			11/6/2024	17:25	Y	5	X	X	X	X							W			X	X	X	X											X

Please add tressa@pbelab.com to the WOA. Thank you.

BRENT BARRON	11/11/2024	5:00 PM	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 by Sampler/Client Rep. ? Y N by Courier? UPS DHL FedEx Lone Star Temperature Upon Receipt: °C Received: °C Adjusted: °C Factor
Relinquished by:	Date	Time	Received by:	Date	Time	
Relinquished by:	Date	Time	Received by:	Date	Time	
Relinquished by:	Date	Time	Received by:	Date	Time	

ORIGIN ID:MAFA (432) 686-7235
TRESSA BLEDSOE
PERMIAN BASIN ENVIRONMENTAL LAB, LP
1400 RANKIN HWY
MIDLAND, TX 79701
UNITED STATES US

SHIP DATE: 11NOV24
ACTWGT: 45.00 LB
CAD: 107136846/INET4535
DIMS: 23x12x13 IN
BILL RECIPIENT

TO **SAMPLE RECEIVING**
ALS-HOUSTON
10450 STANCLIFF RD

HOUSTON TX 77099

(281) 530-5615
INV:
PO.

REF:

DEPT:



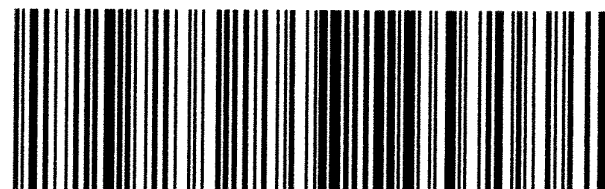
58CJ5J582EC6C4

TUE - 12 NOV 5:00P
STANDARD OVERNIGHT

TRK#
0201 **7798 7968 5666**

AB SGRA

77099
TX-US IAH



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



Analytical Report

Prepared for:

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

Project: HDO 90-23
Project Number: TNM HDO 90-23
Location: Lea County, New Mexico
Lab Order Number: 4K13012



Current Certification

Report Date: 11/18/24

TRC Solutions- Midland, Texas	Project: HDO 90-23
10 Desta Dr STE 150E	Project Number: TNM HDO 90-23
Midland TX, 79705	Project Manager: Jonathan Repman

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-4	4K13012-01	Water	11/07/24 11:05	11-13-2024 08:30
MW-5	4K13012-02	Water	11/07/24 11:37	11-13-2024 08:30
MW-8	4K13012-03	Water	11/07/24 12:15	11-13-2024 08:30
MW-12	4K13012-04	Water	11/07/24 12:48	11-13-2024 08:30
MW-13	4K13012-05	Water	11/07/24 13:29	11-13-2024 08:30
MW-14	4K13012-06	Water	11/07/24 14:10	11-13-2024 08:30
MW-15	4K13012-07	Water	11/07/24 14:39	11-13-2024 08:30
RW-1	4K13012-08	Water	11/07/24 15:08	11-13-2024 08:30

TRC Solutions- Midland, Texas	Project: HDO 90-23
10 Desta Dr STE 150E	Project Number: TNM HDO 90-23
Midland TX, 79705	Project Manager: Jonathan Repman

MW-4
4K13012-01 (Water)

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

Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4K1310	11/13/24 10:48	11/14/24 09:43	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4K1310	11/13/24 10:48	11/14/24 09:43	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4K1310	11/13/24 10:48	11/14/24 09:43	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4K1310	11/13/24 10:48	11/14/24 09:43	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4K1310	11/13/24 10:48	11/14/24 09:43	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	69.1 %		80-120		P4K1310	11/13/24 10:48	11/14/24 09:43	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene	104 %		80-120		P4K1310	11/13/24 10:48	11/14/24 09:43	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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

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

TRC Solutions- Midland, Texas	Project: HDO 90-23
10 Desta Dr STE 150E	Project Number: TNM HDO 90-23
Midland TX, 79705	Project Manager: Jonathan Repman

MW-5

4K13012-02 (Water)

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

Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4K1310	11/13/24 10:48	11/14/24 10:06	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4K1310	11/13/24 10:48	11/14/24 10:06	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4K1310	11/13/24 10:48	11/14/24 10:06	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4K1310	11/13/24 10:48	11/14/24 10:06	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4K1310	11/13/24 10:48	11/14/24 10:06	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	69.9 %		80-120		P4K1310	11/13/24 10:48	11/14/24 10:06	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene	103 %		80-120		P4K1310	11/13/24 10:48	11/14/24 10:06	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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TRC Solutions- Midland, Texas	Project: HDO 90-23
10 Desta Dr STE 150E	Project Number: TNM HDO 90-23
Midland TX, 79705	Project Manager: Jonathan Repman

MW-8

4K13012-03 (Water)

Analyte	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit							

Permian Basin Environmental Lab, L.P.

Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4K1310	11/13/24 10:48	11/14/24 10:28	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4K1310	11/13/24 10:48	11/14/24 10:28	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4K1310	11/13/24 10:48	11/14/24 10:28	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4K1310	11/13/24 10:48	11/14/24 10:28	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4K1310	11/13/24 10:48	11/14/24 10:28	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	70.7 %		80-120		P4K1310	11/13/24 10:48	11/14/24 10:28	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene	104 %		80-120		P4K1310	11/13/24 10:48	11/14/24 10:28	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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TRC Solutions- Midland, Texas	Project: HDO 90-23
10 Desta Dr STE 150E	Project Number: TNM HDO 90-23
Midland TX, 79705	Project Manager: Jonathan Repman

MW-12

4K13012-04 (Water)

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

Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4K1310	11/13/24 10:48	11/14/24 10:51	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4K1310	11/13/24 10:48	11/14/24 10:51	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4K1310	11/13/24 10:48	11/14/24 10:51	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4K1310	11/13/24 10:48	11/14/24 10:51	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4K1310	11/13/24 10:48	11/14/24 10:51	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	71.3 %		80-120		P4K1310	11/13/24 10:48	11/14/24 10:51	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene	105 %		80-120		P4K1310	11/13/24 10:48	11/14/24 10:51	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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TRC Solutions- Midland, Texas	Project: HDO 90-23
10 Desta Dr STE 150E	Project Number: TNM HDO 90-23
Midland TX, 79705	Project Manager: Jonathan Repman

MW-13

4K13012-05 (Water)

Analyte	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit							

Permian Basin Environmental Lab, L.P.

Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4K1310	11/13/24 10:48	11/14/24 11:57	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4K1310	11/13/24 10:48	11/14/24 11:57	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4K1310	11/13/24 10:48	11/14/24 11:57	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4K1310	11/13/24 10:48	11/14/24 11:57	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4K1310	11/13/24 10:48	11/14/24 11:57	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	70.8 %		80-120		P4K1310	11/13/24 10:48	11/14/24 11:57	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene	104 %		80-120		P4K1310	11/13/24 10:48	11/14/24 11:57	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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TRC Solutions- Midland, Texas	Project: HDO 90-23
10 Desta Dr STE 150E	Project Number: TNM HDO 90-23
Midland TX, 79705	Project Manager: Jonathan Repman

MW-14

4K13012-06 (Water)

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

Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4K1310	11/13/24 10:48	11/14/24 12:19	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4K1310	11/13/24 10:48	11/14/24 12:19	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4K1310	11/13/24 10:48	11/14/24 12:19	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4K1310	11/13/24 10:48	11/14/24 12:19	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4K1310	11/13/24 10:48	11/14/24 12:19	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	72.1 %		80-120		P4K1310	11/13/24 10:48	11/14/24 12:19	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene	102 %		80-120		P4K1310	11/13/24 10:48	11/14/24 12:19	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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TRC Solutions- Midland, Texas	Project: HDO 90-23
10 Desta Dr STE 150E	Project Number: TNM HDO 90-23
Midland TX, 79705	Project Manager: Jonathan Repman

MW-15
4K13012-07 (Water)

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

Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4K1310	11/13/24 10:48	11/14/24 12:40	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4K1310	11/13/24 10:48	11/14/24 12:40	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4K1310	11/13/24 10:48	11/14/24 12:40	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4K1310	11/13/24 10:48	11/14/24 12:40	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4K1310	11/13/24 10:48	11/14/24 12:40	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	70.8 %		80-120		P4K1310	11/13/24 10:48	11/14/24 12:40	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene	103 %		80-120		P4K1310	11/13/24 10:48	11/14/24 12:40	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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

TRC Solutions- Midland, Texas	Project: HDO 90-23
10 Desta Dr STE 150E	Project Number: TNM HDO 90-23
Midland TX, 79705	Project Manager: Jonathan Repman

RW-1
4K13012-08 (Water)

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

Organics by GC									
Benzene	0.00756	0.00100	mg/L	1	P4K1310	11/13/24 10:48	11/14/24 13:02	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4K1310	11/13/24 10:48	11/14/24 13:02	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4K1310	11/13/24 10:48	11/14/24 13:02	EPA 8021B	
Xylene (p/m)	0.00291	0.00200	mg/L	1	P4K1310	11/13/24 10:48	11/14/24 13:02	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4K1310	11/13/24 10:48	11/14/24 13:02	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	73.4 %	80-120			P4K1310	11/13/24 10:48	11/14/24 13:02	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene	103 %	80-120			P4K1310	11/13/24 10:48	11/14/24 13:02	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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

Project: HDO 90-23
Project Number: TNM HDO 90-23
Project Manager: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4K1310 - * DEFAULT PREP *****

Blank (P4K1310-BLK1)		Prepared & Analyzed: 11/13/24								
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	0.0832		"	0.120		69.3	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.127		"	0.120		105	80-120			

LCS (P4K1310-BS1)		Prepared & Analyzed: 11/13/24								
Benzene	0.0870	0.00100	mg/L	0.100		87.0	80-120			
Toluene	0.0802	0.00100	"	0.100		80.2	80-120			
Ethylbenzene	0.0813	0.00100	"	0.100		81.3	80-120			
Xylene (p/m)	0.161	0.00200	"	0.200		80.3	80-120			
Xylene (o)	0.0807	0.00100	"	0.100		80.7	80-120			
Surrogate: 4-Bromofluorobenzene	0.0874		"	0.120		72.8	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.129		"	0.120		108	80-120			

LCS Dup (P4K1310-BSD1)		Prepared & Analyzed: 11/13/24								
Benzene	0.0940	0.00100	mg/L	0.100		94.0	80-120	7.80	20	
Toluene	0.0836	0.00100	"	0.100		83.6	80-120	4.13	20	
Ethylbenzene	0.0895	0.00100	"	0.100		89.5	80-120	9.61	20	
Xylene (p/m)	0.176	0.00200	"	0.200		88.1	80-120	9.22	20	
Xylene (o)	0.0813	0.00100	"	0.100		81.3	80-120	0.803	20	
Surrogate: 4-Bromofluorobenzene	0.0876		"	0.120		73.0	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.129		"	0.120		108	80-120			

Calibration Blank (P4K1310-CCB1)		Prepared & Analyzed: 11/13/24								
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.0842		"	0.120		70.2	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.127		"	0.120		106	80-120			

Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23
Project Number: TNM HDO 90-23
Project Manager: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4K1310 - * DEFAULT PREP *****

Calibration Check (P4K1310-CCV1)				Prepared & Analyzed: 11/13/24						
Benzene	0.0895	0.00100	mg/L	0.100		89.5	80-120			
Toluene	0.0807	0.00100	"	0.100		80.7	80-120			
Ethylbenzene	0.0803	0.00100	"	0.100		80.3	80-120			
Xylene (p/m)	0.166	0.00200	"	0.200		83.2	80-120			
Xylene (o)	0.0812	0.00100	"	0.100		81.2	80-120			
Surrogate: 4-Bromofluorobenzene	0.0854		"	0.120		71.1	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.128		"	0.120		106	80-120			

Calibration Check (P4K1310-CCV3)				Prepared: 11/13/24 Analyzed: 11/14/24						
Benzene	0.0934	0.00100	mg/L	0.100		93.4	80-120			
Toluene	0.0831	0.00100	"	0.100		83.1	80-120			
Ethylbenzene	0.0819	0.00100	"	0.100		81.9	80-120			
Xylene (p/m)	0.171	0.00200	"	0.200		85.6	80-120			
Xylene (o)	0.0820	0.00100	"	0.100		82.0	80-120			
Surrogate: 4-Bromofluorobenzene	0.0883		"	0.120		73.6	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.128		"	0.120		107	80-120			

Matrix Spike (P4K1310-MS1)				Source: 4K13012-01		Prepared: 11/13/24 Analyzed: 11/14/24				
Benzene	0.0972	0.00100	mg/L	0.100	ND	97.2	80-120			
Toluene	0.0890	0.00100	"	0.100	ND	89.0	80-120			
Ethylbenzene	0.0943	0.00100	"	0.100	ND	94.3	80-120			
Xylene (p/m)	0.175	0.00200	"	0.200	ND	87.6	80-120			
Xylene (o)	0.0821	0.00100	"	0.100	ND	82.1	80-120			
Surrogate: 4-Bromofluorobenzene	0.0871		"	0.120		72.6	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.126		"	0.120		105	80-120			

Matrix Spike Dup (P4K1310-MSD1)				Source: 4K13012-01		Prepared: 11/13/24 Analyzed: 11/14/24				
Benzene	0.0818	0.00100	mg/L	0.100	ND	81.8	80-120	17.2	20	
Toluene	0.0732	0.00100	"	0.100	ND	73.2	80-120	19.4	20	QM-05
Ethylbenzene	0.0771	0.00100	"	0.100	ND	77.1	80-120	20.1	20	QM-05
Xylene (p/m)	0.144	0.00200	"	0.200	ND	72.0	80-120	19.6	20	QM-05
Xylene (o)	0.0671	0.00100	"	0.100	ND	67.1	80-120	20.2	20	QM-05
Surrogate: 4-Bromofluorobenzene	0.0875		"	0.120		72.9	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.126		"	0.120		105	80-120			

Permian Basin Environmental Lab, L.P.

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

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

Project: HDO 90-23
Project Number: TNM HDO 90-23
Project Manager: Jonathan Repman

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.

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

NPBEL C Chain of Custody was not generated at PBELAB

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

11/18/2024

Brent Barron, Laboratory Director/Technical Director

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

Project: HDO 90-23
Project Number: TNM HDO 90-23
Project Manager: Jonathan Repman

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

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



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

CH: _____

L: _____

W:

Project Manager: Jon Repman

Company Name: TRC Companies

Company Address: 10 Desta Drive, Suite 410E

City/State/Zip: Midland, TX 79705

Telephone No: (432) 208-5219

Sampler Signature:

(lab use only)

ORDER #: 44613012

e-mail: jiepman@trccompanies.com, Camille.Bryant@plains.com, Karolanne.Hudgens@plains.com

Fax No:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

PO #: SRS HDO 90-23

Project Loc: Lea County, New Mexico

Project #: HDO 90-23

Project Name: Plains Marketing, L.P.

Page 15 of 15

(lab use only)
ORDER #: 4618012
LAB # (lab use only)
FIELD CODE mm 4 mm 5 mm 8 mm 10 mm 13 mm 14 mm 15 RM1
Beginning Depth
Ending Depth
Date Sampled 11-7-29
Time Sampled 1105 1137 1213 1248 1329 1410 1439 1508
Field Filtered
Total #. of Containers
X Ice
X HNO ₃
HCl
H ₂ SO ₄
NaOH
Na ₂ S ₂ O ₃
None
Other (Specify)
DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other
Total BTEX by 8260
Preservation & # of Containers
Matrix
TCLP:
TOTAL:
Analyze For:
HOLD
RUSH TAT (Pre-Schedule) 24, 48, 72 hrs
Standard TAT

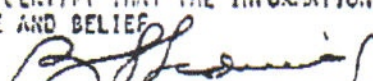
Relinquished by: 	Date 11-13-24	Time 0830	Received by: 	Date 11-13-24	Time 8:30
Relinquished by: Manny	Date 	Time 	Received by: 	Date 	Time
Relinquished by: 	Date 	Time 	Received by: 	Date 	Time

Special Instructions:
Laboratory Comments: Sample Containers Intact? Y N Labels on container(s) 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: °C Thermometer: bcf Adjusted: 1.3 °C Factor: 13

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

OIL CONSERVATION DIVISION

NOTIFICATION OF FIRE, BREAKS, SPILLS, LEAKS, AND BLOWOUTS

NAME OF OPERATOR TEXAS-NEW MEXICO PIPE LINE CO					ADDRESS P. O. Box 2528, Hobbs, N.M. 88240				
REPORT OF	FIRE	BREAK	SPILL	LEAK	CLOG/OUT	OTHER*			
				X					
TYPE OF FACILITY	DRUG WELL	PROD WELL	TANK	PIPE LINE	GAS PLANT	OIL RY	OTHER*		
				X					
NAME OF FACILITY 14" Trunk Line									
LOCATION OF FACILITY (QUARTER/QUARTER SECTION OR FOOTAGE DESCRIPTION)					SEC.	TWP.	RGE.	COUNTY	
NW/4 NE/4					6	21	37	Lea	
DISTANCE AND DIRECTION FROM NEAREST TOWN OR PROMINENT LANDMARK 6 Mi. NNW of Eunice & 3 Mi. N.W. of Loop 18									
DATE AND HOUR OF OCCURRENCE					DATE AND HOUR OF DISCOVERY				
Unknown					3/27/90 2:15 P.M.				
WAS IMMEDIATE NOTICE GIVEN?	YES	NO	NOT REQUIRED		IF YES, NMOCC - B. Pritchard TO WHOM SCC - D. Trujillo				
	X								
BY WHOM NMOCC - M. Griswell SCC - C. Johnson					DATE 3/27/90; NMOCC - 3:35 P.M. AND HOUR 3/28/90; SCC - 9:05 a.m.				
TYPE OF FLUID LOST Sour Crude					QUANTITY OF LOSS		VOLUME RECOVERED		
					750 BBLs		550 BBLs		
DID ANY FLUIDS REACH A WATERCOURSE?		YES	NO	QUANTITY					
			X						
IF YES, DESCRIBE FULLY**									
DESCRIBE CAUSE OF PROBLEM AND REMEDIAL ACTION TAKEN**									
External Corrosion									
Line clamped off									
DESCRIBE AREA AFFECTED AND CLEANUP ACTION TAKEN**									
45,000 sq ft pasture land; 40,000 sq ft equipment damage.									
Cattle in the area									
Oil soaked earth covered with fresh soil in prospects of full restoration									
DESCRIPTION OF AREA	FARMING	GRAZING		URBAN	OTHER*				
		X							
SURFACE CONDITIONS	SANDY	SANDY LOAM	CLAY	ROCKY	WET	DRY	SNOW		
		X			X				
DESCRIBE GENERAL CONDITIONS PREVAILING (TEMPERATURE, PRECIPITATION, ETC.)**									
55°									
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF									
 SIGNED B.L. Lechnick TITLE Dist. Manager DATE 3/28/90									

***SPECIFY**

**ATTACH ADDITIONAL SHEETS IF NECESSARY

HDO 90-23

cc: Hazardous Waste Section
N.M. Environmental Improvement Div.

90-C63530

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 526402

CONDITIONS

Operator: PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	OGRID: 34053
	Action Number: 526402
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
shanna.smith	Pursuant to 19.15.30 NMAC, update Stage 2 Abatement Plan dated September 1999. Plan will be submitted as a report by February 20, 2026, that meets all the requirements of 19.15.30.13 NMAC.	11/14/2025
shanna.smith	Page 3 - Recovery well RW-1 is missing from sampling. Figure 1 is missing from Figures.	11/14/2025
shanna.smith	Monthly PSH recovery.	11/14/2025
shanna.smith	Continue quarterly monitoring and sampling followed by data being included in quarterly report. Annual report will be submitted by April 1, 2026.	11/14/2025
shanna.smith	Yearly PAH analysis on monitor wells MW-2 and MW-6.	11/14/2025
shanna.smith	Continue to make arrangements to drill one soil boring and 1 monitor well per 2024 AGWMR Anticipated Actions.	11/14/2025