REVIEWED
By Mike Buchanan at 3:50 pm, Jul 18, 2023

2022
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

Review of the 2022 Annual GW Monitoring Report on behalf of Plains Marketing, L.P. for HDO-90-23: **Content Satisfactory**
1. Continue to conduct gw monitoring on a quarterly schedule per report.
2. Continue analysis for PAH for MW-2 and MW-6
3. Continue MNA parameters for MW-9, MW-6, MW-2, MW-3, MW-17 and RW-2.
4. Submit 2023 GW Annual Report by April 1, 2024.
5. **Please submit copies of approval, for NMOCD record, of landowner approval and the approved Request for Drilling Permit from OSE.**

PREPARED FOR:

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March 2023

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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 2022 only. However, historical data tables and the 2022 laboratory analytical reports are provided as an attachment. A Site Location Map is provided as Figure 1.

Groundwater monitoring was conducted during each quarter of 2022 to assess the levels and extent of dissolved phase constituents and Phase Separated 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 ¼ of the NW ¼ 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 2022. A maximum PSH thickness of 3.36 feet was recorded in monitor well MW-6 on December 1, 2022 and is shown on Table 1. The average thickness of PSH in monitor wells MW-2 and MW-6 during 2022 was 1.72 feet.

Approximately 27.52 gallons (0.66 barrels) of PSH were recovered manually from the Site during the 2022 reporting period. Approximately 1,732.17 gallons (41.24 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		

The Site monitor wells were gauged and sampled on March 16, May 19, September 6-7, and November 30, and December 2, 2022.

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. 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 2022 is provided as Table 1. Historical groundwater elevation data beginning at project inception is provided as an attachment.

Please note, during the 4th quarter 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 0.0003 feet/foot to the southeast as measured between monitor wells MW-9 and MW-4. Inferred Groundwater Gradient Maps prepared during the 1st, 2nd, and 3rd quarters indicated an inferred

groundwater gradient ranging from of 0.0005 to 0.0006 feet/foot. The corrected groundwater elevation ranged between 3,418.89 and 3,418.04 feet above mean sea level, in monitor well MW-9 and recovery well RW-2 on March 16, 2022, and monitor well MW-17 on September 6, 2022, respectively.

LABORATORY RESULTS

Groundwater samples collected during all four (4) quarters of 2022 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 2022 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 2022 are summarized in Table 2 and historical concentrations of BTEX in groundwater are summarized in Table 5. The 2022 polynuclear aromatic hydrocarbon concentrations in groundwater are summarized in Table 3 and historical polynuclear aromatic hydrocarbon concentrations in groundwater are summarized in Table 6. Copies of the laboratory reports generated for 2022 are provided in Appendix A. The quarterly groundwater sample results for BTEX constituent concentrations are depicted on Figures 3A through 3D.

Monitor well MW-2 is sampled on a quarterly schedule and the analytical results indicated benzene concentrations ranged from 0.00776 mg/L during the 1st quarter to 0.0398 mg/L during the 3rd quarter of 2022. Benzene concentrations were above the NMOCD regulatory guidelines during the 2nd, 3rd, and 4th quarters of the reporting period. Toluene concentrations ranged from 0.00295 mg/L during the 3rd quarter to 0.00758 mg/L during the 2nd quarter. Toluene concentrations were below the NMOCD regulatory guidelines all four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from 0.00285 mg/ L during the 1st quarter to 0.00638 mg/L during the 3rd quarter of 2022. Ethylbenzene concentrations were below the NMOCD regulatory guidelines all four (4) quarters of the reporting period. Xylene concentrations ranged from 0.00916 mg/L during the first quarter to 0.02230 mg/L during the 4th 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
03/16/22	MW-2	5.84	25.50	1.49	-263	0.99	15.3
05/19/22	MW-2	Purged and sampled with bailer due to mechanical failure of pump					
09/07/22	MW-2	6.87	26.93	1.47	-305	0.21	9.3

12/01/22	MW-2	7.29	21.50	1.50	-288	0.00	0.00

PAH analysis during the 4th quarter sampling event indicated detections of elevated concentrations above NMWQCC Drinking Water Standards for Fluorene (0.0073 mg/L), Phenanthrene (0.0054 mg/L), and naphthalene (0.087 mg/L).

In addition, the analytical results indicated potentially elevated concentrations above the NMWQCC Drinking Water Standards for benzo[a]anthracene (<0.0011 mg/L).

Analytical benzene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was "Decreasing" in monitor well MW-2. Analytical toluene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was "Probably Decreasing" in monitor well MW-2. Analytical ethylbenzene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was "Decreasing" in monitor well MW-2. Analytical xylene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was "No Trend" in monitor well MW-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 benzene concentrations ranged from less than the RL during the 4th quarter to 0.357 mg/L during the 3rd quarter of 2022. Benzene concentrations were above the NMOCD regulatory guidelines during the 1st, 2nd, and 3rd quarters of the reporting period. Toluene, ethylbenzene, and xylene concentrations were less than the applicable laboratory RL and the 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, 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 list 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
03/16/22	MW-3	5.63	24.27	1.58	-71	4.98	83.4
05/19/22	MW-3	Purged and sampled with bailer due to mechanical failure of pump					
09/07/22	MW-3	6.43	22.65	1.61	-110	0.54	1.0
12/01/22	MW-3	6.86	20.86	1.80	-86	0.00	365

Analytical benzene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was "No Trend" in monitor well MW-3. Analytical toluene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was "No Trend" in monitor well MW-3. Analytical ethylbenzene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was "No Trend" in monitor well MW-3. Analytical xylene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was "Increasing" 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 3rd 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 3rd 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 0.119 mg/L during the 1st quarter to 0.277 mg/L during the 4th quarter of 2022. Benzene concentrations were above the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Toluene concentrations ranged from 0.00107 mg/L during the 2nd quarter to 0.0102 mg/L during the 4th quarter. Toluene concentrations were below the NMOCD regulatory guidelines all four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from 0.199 mg/ L during the 2nd quarter to 0.398 mg/L during the 4th quarter of 2022. Ethylbenzene concentrations were below the NMOCD regulatory guidelines all four (4) quarters of the reporting period. Xylene concentrations ranged from 0.09693 mg/L during the 1st quarter to 0.3768 mg/L during the 4th quarter. Xylene concentrations were below the NMOCD regulatory guidelines all four (4) quarters 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 list the stabilization levels for the water quality parameters during the reporting period for monitor well MW-6.

Sample Date	Sample Location	pH (SU) ±10%	Temp C ±10%	Conductivity (u-mhos/cm) ±10%	ORP (mV) ±10%	DO mg/L ±10%	Turbidity (NTUs) ±10% or < 5 NTUs
03/16/22	MW-6	6.18	21.40	0.664	-87	3.03	64.2
05/19/22	MW-6	Purged and sampled with bailer due to mechanical failure of pump					
09/07/22	MW-6	6.23	25.90	0.706	-178	0.58	0.00
12/01/22	MW-6	7.54	21.79	0.65	-257	0.00	734

PAH analysis during the 4th quarter sampling event indicated elevated concentrations above NMWQCC Drinking Water Standards for Chrysene (0.0030 mg/L), Fluoranthene (0.0015 mg/L), Fluorene (0.019 mg/L), Phenanthrene (0.024 mg/L), and Naphthalene (0.406 mg/L).

Analytical benzene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was "Increasing" in monitor well MW-6. Analytical toluene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was "No Trend" in monitor well MW-6. Analytical ethylbenzene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was "No Trend" in monitor well MW-6. Analytical xylene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was "No Trend" in monitor well MW-6. Please 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 2022. 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
03/16/22	MW-9	6.50	22.32	0.698	46	3.64	Over Range
05/19/22	MW-9	7.13	22.88	0.686	112	3.28	162
09/06/22	MW-9	7.16	22.94	0.764	76	2.10	0.00
12/01/22	MW-9	7.32	19.47	0.699	77	0.20	0.00

Analytical benzene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was "Stable" in monitor well MW-9. Analytical toluene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was "No Trend" in monitor well MW-9. Analytical ethylbenzene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was "Stable" in monitor well MW-9. Analytical xylene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was "Probably Increasing" in monitor well MW-9. Please 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 3rd quarter of 2022. 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 3rd quarter of 2022. 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 3rd quarter of 2022. 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 NMOCD regulatory guidelines during the 3rd quarter of 2022. The analytical results indicated BTEX constituent concentrations have been below NMOCD 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 3rd and 4th quarter of 2022, subsequently the well was not sampled in 2022. Historical analytical results indicated BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 4th quarter of 2004. 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, 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 2022. The analytical results indicated BTEX constituent concentrations have been below NMOCD 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
03/16/22	MW-17	6.73	21.15	0.858	20	7.67	466
05/19/22	MW-17	7.13	20.42	0.862	128	6.54	59.0
09/06/22	MW-17	7.49	20.97	0.876	64	7.24	37.2
12/01/22	MW-17	7.61	18.47	0.873	82	4.11	184

Analytical benzene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was "Stable" in monitor well MW-17. Analytical toluene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was "No Trend" in monitor well MW-17. Analytical ethylbenzene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was "No Trend" in monitor well MW-17. Analytical xylene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was "Increasing" 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 0.00122 mg/L during the 3rd quarter to 0.0183 mg/L during the 1st quarter of 2022. Benzene concentrations were above NMOCD regulatory guidelines during the 1st quarter of the reporting period. Toluene concentrations ranged from less than the applicable laboratory RL during the 3rd and 4th quarters to 0.00183 mg/L during the 1st quarter of 2022. 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 RL during the 3rd and 4th quarters to 0.00511 mg/L during the 1st quarter of 2022. Ethylbenzene concentrations were below NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Xylene concentrations ranged from less than the applicable laboratory RL during the 1st and 4th quarters to 0.00735 mg/L during the 2nd quarter of 2022. 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 BTEX constituent concentrations were less than the applicable laboratory RL and NMOCD regulatory guidelines during all four (4) quarters of 2022. The analytical results indicated BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 1st quarter of 2015. 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
03/16/22	RW-2	6.2	24.33	1.27	7	1.99	351
05/19/22	RW-2	6.83	26.59	1.26	12	1.16	140
09/07/22	RW-2	6.63	27.22	1.31	13	1.51	710
12/01/22	RW-2	6.90	20.30	1.25	57	4.53	344

Analytical benzene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was "Decreasing" in recovery well RW-2. Analytical toluene data for the previous ten (10) years 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 ten (10) years 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 ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was "Increasing" 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, manganese^{2+}, iron^{3+}, sulfate, and carbon dioxide must be present. These reactions, termed oxidation-reduction, or "REDOX" reactions, provide bacteria and archaea varying amounts of energy.

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

Common Hydrocarbon REDOX Reactions in Groundwater

Reaction	Process	Energy
Aerobic Oxidation	$CH_2O + O_2 \rightarrow CO_2 + H_2O$	-120 Kcal/mol
Denitrification	$5CH_2O + 3NO_3 + 4H^+ \rightarrow CO_2 + 7H_2O + 2N_2$	-114 Kcal/mol
Manganese Reduction	$CH_2O + 2MnO_2 + 4H^+ \rightarrow CO_2 + 3H_2O + 2Mn^{2+}$	-81 Kcal/mol
Iron Reduction	$CH_2O + 4Fe(OH)_3 + 8H^+ \rightarrow CO_2 + 11H_2O + 4Fe^{2+}$	-28 Kcal/mol
Sulfate Reduction	$2CH_2O + SO_4^{2-} + H^+ \rightarrow 2CO_2 + 2H_2O + HS^-$	-25 Kcal/mol
Methanogenesis	$2CH_2O \rightarrow CH_3COOH \rightarrow CH_4 + CO_2$	-22 Kcal/mol

The most energetically favorable electron acceptors tend to get consumed first and plumes tend to be limited in them toward the plume center while having excess of the other electron acceptors toward the periphery. For this reason, the groundwater geochemistry of hydrocarbon plumes tends to be characterized by concentric three-dimensional regions each dominated by one of the reactions listed above. The largest source of electron donors is typically light non-aqueous phase liquids (LNAPLs); therefore, the center of the concentric regions tends to be at the location of LNAPL. Please note, LNAPL and PSH are used interchangeably in this report.

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

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

To determine the morphology of each biodegradation region, five (5) monitor wells and one (1) recovery well were sampled. 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.

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

For the 1st quarter the analytical results for concentrations of benzene ranged from less than the applicable laboratory RL for monitor/recovery wells MW-9, MW-17, and RW-2 to 0.119 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-9, MW-17, and RW-2 to 0.186 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-17, and RW-2 to 0.357 mg/L for monitor well MW-3.

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 0.277 mg/L for monitor well MW-6.

Please reference Table 7 for GSI-MKT benzene results. Analytical benzene data for the previous ten (10) years was entered into the GSI Mann-Kendall Toolkit (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", "Increasing", "Decreasing", "No Trend", "Stable", and "Decreasing".

For the 1st 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 0.00470 mg/L for monitor well MW-2.

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 RW-2 to 0.00758 mg/L for monitor well MW-2.

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 0.00331 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 0.0102 mg/L for monitor well MW-6.

Please reference Table 8 for GSI-MKT toluene results. Analytical toluene data for the previous ten (10) years was entered into the GSI Mann-Kendall Toolkit (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", "Probably Decreasing", "No Trend", "No Trend", and "No Trend".

For the 1st quarter the analytical results for concentrations of ethylbenzene ranged from less than the applicable laboratory RL for monitor/recovery wells MW-9, MW-3, MW-17, and RW-2 to 0.214 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 RW-2 to 0.199 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 0.308 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 0.398 mg/L for monitor well MW-6.

Please reference Table 9 for GSI-MKT ethylbenzene results. Analytical ethylbenzene data for the previous ten (10) years was entered into the GSI Mann-Kendall Toolkit (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”, “Decreasing”, “No Trend”, “No Trend”, and “No Trend”.

For the 1st quarter the analytical results for concentrations of xylene ranged from less than the applicable laboratory RL for monitor/recovery wells MW-9, MW-3, MW-17, and RW-2 to 0.09693 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 RW-2 to 0.1696 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 0.2562 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 0.3768 mg/L for monitor well MW-6.

Please reference Table 10 for GSI-MKT xylene results. Analytical xylene data for the previous ten (10) years was entered into the GSI Mann-Kendall Toolkit (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-17, and RW-2 were as follows “Probably Increasing”, “No Trend”, “No Trend”, “Increasing”, “Increasing”, and “Increasing”.

For the 1st quarter the analytical results for concentrations of TOC ranged from less than the applicable laboratory RL for monitor/recovery wells MW-9, MW-6, MW-17, and RW-2 to 18.6 mg/L for MW-2.

For the 2nd quarter the analytical results for concentrations of TOC ranged less than the applicable laboratory RL for monitor well MW-17 to 24.6 mg/L for MW-2.

For the 3rd quarter the analytical results for concentrations of TOC ranged from less than the applicable laboratory RL for monitor/recovery wells MW-9, MW-6, MW-17, and RW-2 to 21.0 mg/L for MW-3.

For the 4th quarter the analytical results for concentrations of TOC ranged from 1.30 mg/L for monitor well MW-17, to 23.9 mg/L for monitor well MW-2.

Please reference Table 11 for GSI-MKT TOC results. Analytical TOC data for the previous five (5) quarters was entered into the GSI Mann-Kendall Toolkit (GSI-MKT) for monitor wells (MW-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", "Probably Increasing", "Stable", "No Trend", "No Trend", and "No Trend".

For the 1st quarter the analytical results for concentrations of Dissolved Methane ranged from 0.00228 mg/L for monitor well MW-17 to 2.46 mg/L for monitor well MW-3.

For the 2nd quarter the analytical results for concentrations of Dissolved Methane ranged from 0.00191 mg/L for recovery well RW-2 to 1.87 mg/L for monitor well MW-3.

For the 3rd quarter the analytical results for concentrations of Dissolved Methane ranged from 0.000800 mg/L for monitor well MW-17 to 1.36 mg/L for monitor well MW-3.

For the 4th quarter the analytical results for concentrations of Dissolved Methane ranged from 0.000810 mg/L for monitor well MW-17 to 1.60 mg/L for monitor well MW-2.

Please reference Table 12 for GSI-MKT Dissolved Methane results. Analytical TOC data for the previous five (5) quarters was entered into the GSI Mann-Kendall Toolkit (GSI-MKT) for monitor wells (MW-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", "Probably Decreasing", "Stable", "Stable", and "Stable".

For the 1st quarter the analytical results for concentrations of Dissolved Ethane ranged from less than the applicable laboratory RL for monitor/recovery wells MW-9, MW-17, and RW-2 to 0.00314 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-6, MW-3, MW-17, and RW-2 to 0.00392 mg/L for monitor well MW-2.

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-3, MW-17, and RW-2 to 0.00182 mg/L for monitor well MW-2.

For the 4th quarter he analytical results for concentrations of Dissolved Ethane ranged from less than the applicable laboratory RL for monitor/recovery wells MW-9, MW-6, MW-17, and RW-2 to 0.00577 mg/L for monitor well MW-2.

Please reference Table 13 for GSI-MKT Dissolved Ethane results. Analytical Dissolved Ethane data for the previous five (5) quarters was entered into the GSI Mann-Kendall Toolkit (GSI-MKT) for monitor wells (MW-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", "Stable", "No Trend", "Stable", and "Stable".

For the 1st quarter the analytical results for concentrations of Dissolved Ethene ranged from less than the applicable laboratory RL for monitor/recovery wells MW-2, MW-3, MW-17, and RW-2 to 0.00761 mg/L for monitor well MW-6.

For the 2nd quarter the analytical results for concentrations of Dissolved Ethene ranged from less than the applicable laboratory RL for monitor wells MW-6 and MW-2 to 0.140 mg/L for monitor well MW-3.

For the 3rd quarter the analytical results for concentrations of Dissolved Ethene ranged from less than the applicable laboratory RL for monitor/recovery wells MW-9, MW-6, MW-3, MW-17, and RW-2 to 0.00594 mg/L for monitor well MW-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 five (5) quarters was entered into the GSI Mann-Kendall Toolkit (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”, “No Trend”, “Stable”, and “Stable”.

For the 1st quarter the analytical results for concentrations of Dissolved Iron (filtered) ranged from less than the applicable laboratory RL for monitor/recovery wells MW-9, MW-17, and RW-2 to 0.351 mg/L for monitor well MW-3.

For the 2nd quarter the analytical results for concentrations of Dissolved Iron (filtered) ranged from less than the appliable laboratory RL for monitor wells MW-9, MW-6, and MW-17 to 4.46 mg/L for monitor well MW-3.

For the 3rd quarter the analytical results for concentrations of Dissolved Iron (filtered) ranged from less than the appliable laboratory RL for monitor wells MW-9, MW-6, MW-2 and MW-17 to 0.952 mg/L for recovery well RW-2.

For the 4th quarter the analytical results for concentrations of Dissolved Iron (filtered) ranged from less than the appliable laboratory RL for monitor wells MW-6 and MW-17 to 1.17 mg/L for recovery well RW-2.

Please reference Table 15 for GSI-MKT Dissolved Iron (filtered) results. Analytical Dissolved Iron data for the previous five (5) quarters was entered into the GSI Mann-Kendall Toolkit (GSI-MKT) for monitor wells (MW-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 Increasing”, “No Trend”, “No Trend”, “No Trend”, and “Stable”.

For the 1st quarter the analytical results for concentrations of Dissolved Manganese (filtered) ranged from 0.00361 mg/L for monitor well MW-17 to 0.108 mg/L for recovery well RW-2.

For the 2nd quarter the analytical results for concentrations of Dissolved Manganese (filtered) ranged from less than the appliable laboratory RL for monitor wells MW-9 and MW-17 to 0.188 mg/L for monitor well MW-3.

For the 3rd quarter the analytical results for concentrations of Dissolved Manganese (filtered) ranged from less than the appliable laboratory RL for monitor wells MW-9, MW-6, and MW-17 to 0.136 mg/L for recovery well RW-2.

For the 4th quarter the analytical results for concentrations of Dissolved Manganese (filtered) ranged from 0.00808 mg/L for monitor well MW-6 to 0.175 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 five (5) quarters was entered into the GSI Mann-Kendall Toolkit (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”, “Stable”, “Stable”, “No Trend”, and “Stable”.

For the 1st quarter the analytical results for concentrations of Nitrate ranged from less than the appliable laboratory RL for monitor/recovery wells MW-2, MW-3, and RW-2 to 1.20 mg/L for monitor well MW-17.

For the 2nd quarter the analytical results for concentrations of Nitrate ranged from less than the appliable laboratory RL for monitor/recovery wells MW-6, MW-2, MW-3, and RW-2 to 1.09 mg/L for monitor well MW-17.

For the 3rd quarter the analytical results for concentrations of Nitrate ranged from less than the appliable laboratory RL for monitor/recovery wells MW-2, MW-3, and RW-2 to 1.17 mg/L for monitor well MW-17.

For the 4th quarter the analytical results for concentrations of Nitrate ranged from 0.206 mg/L for monitor well MW-2 to 1.10 mg/L for monitor well MW-17.

Please reference Table 17 for GSI-MKT Nitrate results. Analytical Nitrate data for the previous five (5) quarters was entered into the GSI Mann-Kendall Toolkit (GSI-MKT) for monitor wells (MW-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”, “No Trend”, and “No Trend”.

For the 1st quarter the analytical results for concentrations of Sulfate ranged from 14.0 mg/L monitor well MW-2 to 188 mg/L for monitor well MW-3.

For the 2nd quarter the analytical results for concentrations of Sulfate ranged from 7.96 mg/L monitor well MW-2 to 196 mg/L for monitor well MW-3.

For the 3rd quarter the analytical results for concentrations of Sulfate ranged from 22.6 mg/L monitor well MW-2 to 178 mg/L for recovery well RW-2.

For the 4th quarter the analytical results for concentrations of Sulfate ranged from 10.2 mg/L monitor well MW-2 to 361 mg/L for monitor well MW-3.

Please reference Table 18 for GSI-MKT Sulfate results. Analytical Sulfate data for the previous five (5) quarters was entered into the GSI Mann-Kendall Toolkit (GSI-MKT) for monitor wells (MW-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", "Stable", "Stable", "Stable", and "No Trend".

For the 1st 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 72.0 mg/L for monitor well MW-2.

For the 2nd quarter the analytical results for concentrations of COD ranged from less than the applicable laboratory RL for monitor/recovery wells MW-9, MW-6, MW-17, and RW-2 to 56.0 mg/L for monitor well MW-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-6, MW-17, and RW-2 to 31.0 mg/L for monitor well MW-3.

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 110 mg/L for monitor well MW-6.

Please reference Table 19 for GSI-MKT COD results. Analytical COD data for the previous five (5) quarters was entered into the GSI Mann-Kendall Toolkit (GSI-MKT) for monitor wells (MW-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 Increasing", "Stable", "No Trend", "No Trend", and "No Trend".

SUMMARY

This report presents the results of monitoring activities for the annual monitoring period of 2022. 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 0.0003 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 2022. A maximum PSH thickness of 3.36 feet was recorded in monitor well MW-6 on December 1, 2022 and is shown on Table 1. The average thickness of PSH in monitor wells MW-2 and MW-6 during 2022 was 1.72 feet.

Approximately 27.52 gallons (0.66 barrels) of PSH were recovered manually from the site during the 2022 reporting period. Approximately 1,732.17 gallons (41.24 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 2022 monitoring period indicated BTEX constituent concentrations are below NMOCD regulatory guidelines in ten (10) of the fifteen (15) monitor and recovery wells.

ANTICIPATED ACTIONS

Quarterly groundwater monitoring, sampling and manual quarterly PSH recovery will continue in 2023. An Annual Monitoring Report will be submitted to the NMOCD by April 1, 2024.

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. Due to landowner issues, the installation of the soil boring and monitor well has been delayed. When approval from the landowner and the Request for Drilling Permit has been obtained from the New Mexico Office of the State Engineer, arrangements will be made to complete the advancement of the soil boring and installation of the monitor well.

Low-flow sampling of MNA parameters will be conducted on monitor wells MW-9, MW-6, MW-2, MW-3, 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.

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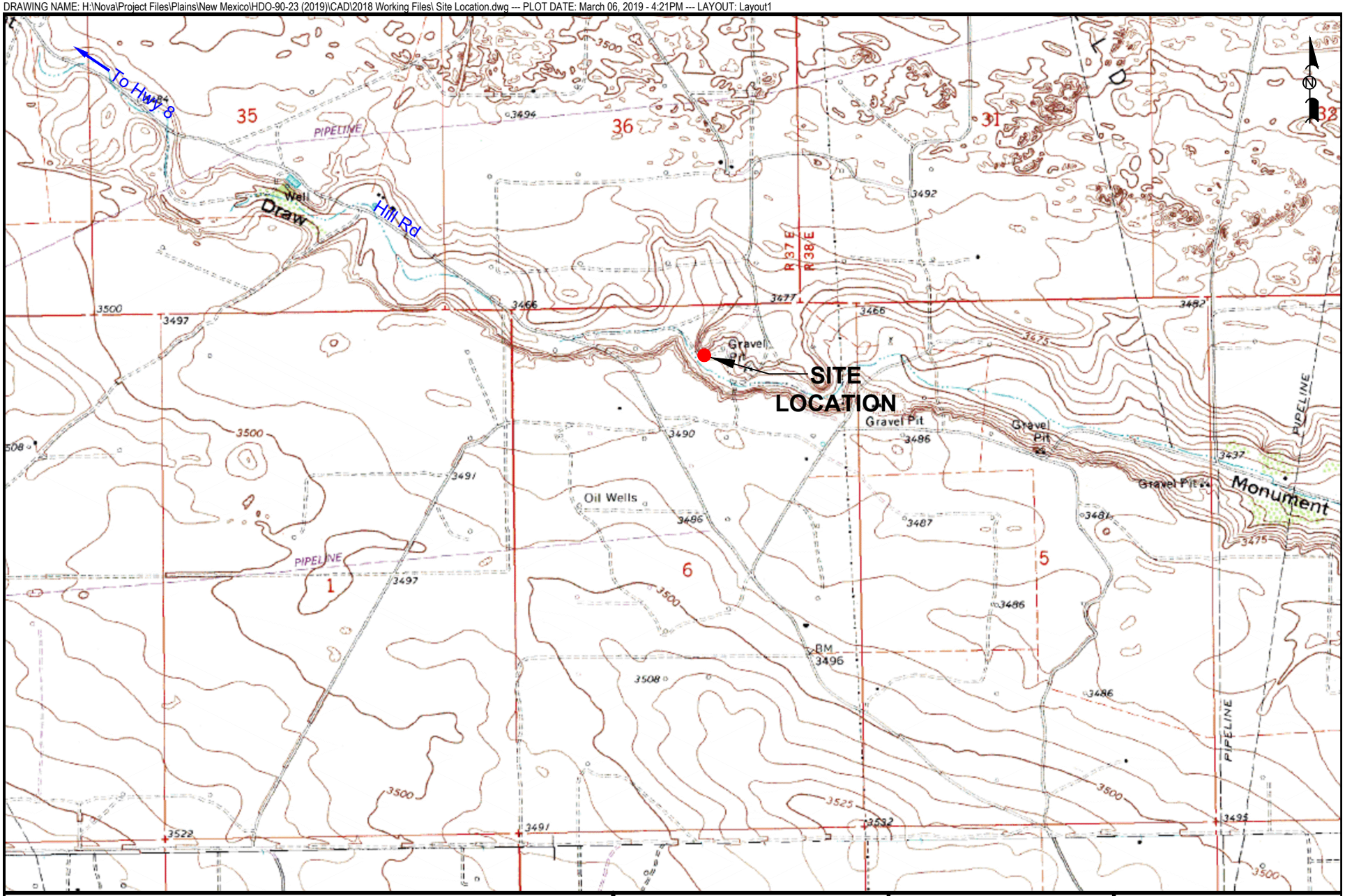
FIGURES

DRAWING NAME: H:\Nova\Project Files\Plains\New Mexico\HDO-90-23 (2019)\CAD\2018 Working Files\ Site Location.dwg --- PLOT DATE: March 06, 2019 - 4:21PM --- LAYOUT: Layout1



LEGEND:

2000 1000 0 1000 2000

Distance in Feet

Figure 1
Site Location Map
Plains Marketing, L.P.
HDO 90-23
NMOCD Reference # AP-9-0
Lea County, NM

Scale: 1" = 2000'	
CAD By: TA	Checked By: CS
Draft: March 2, 2015	
Lat. N 32.520027°, Long. W 103.200794°	
NE1/4 NW1/4 Sec 6 T21S R37E	
TRC Proj. No.: 014181	

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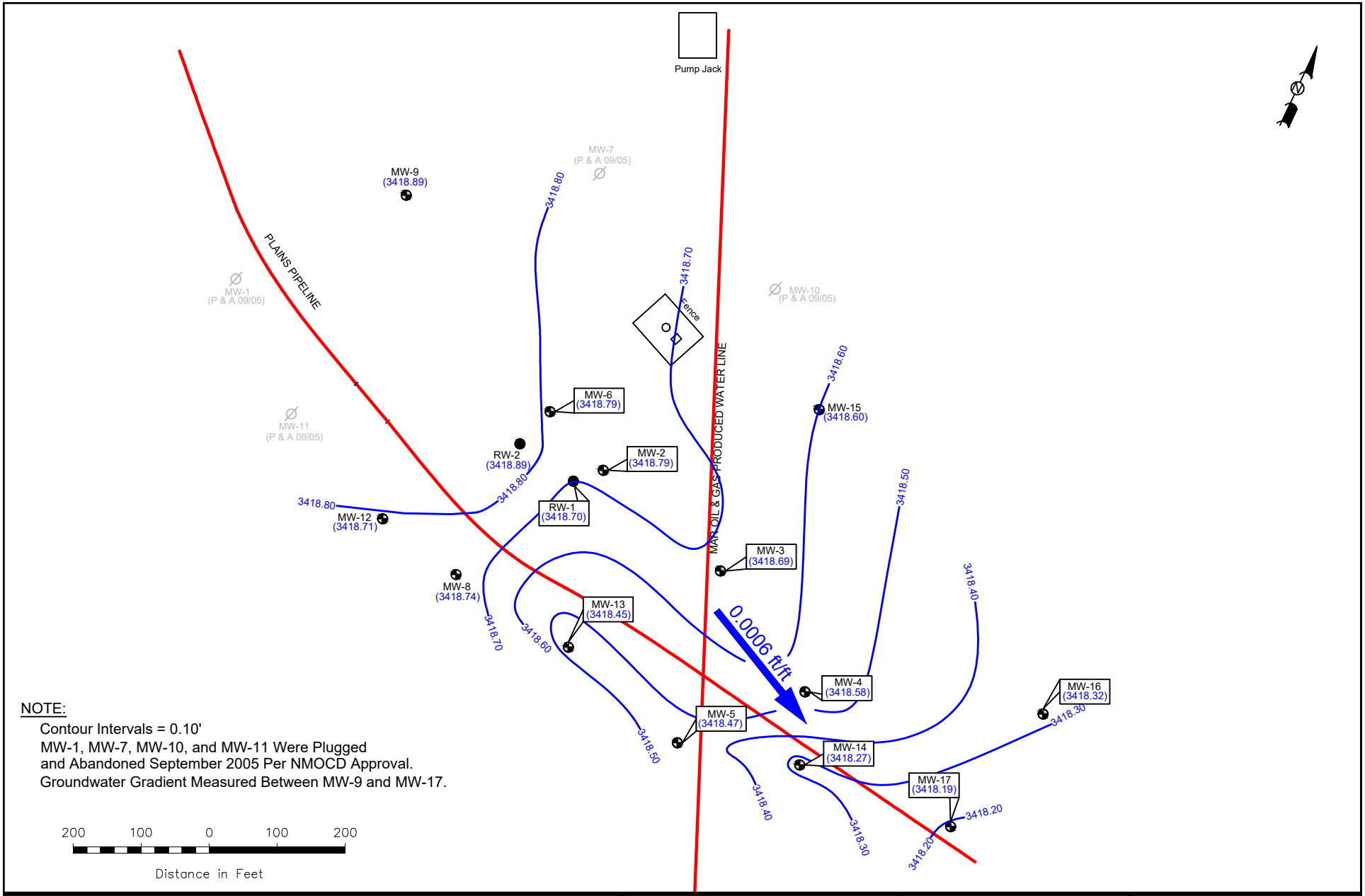


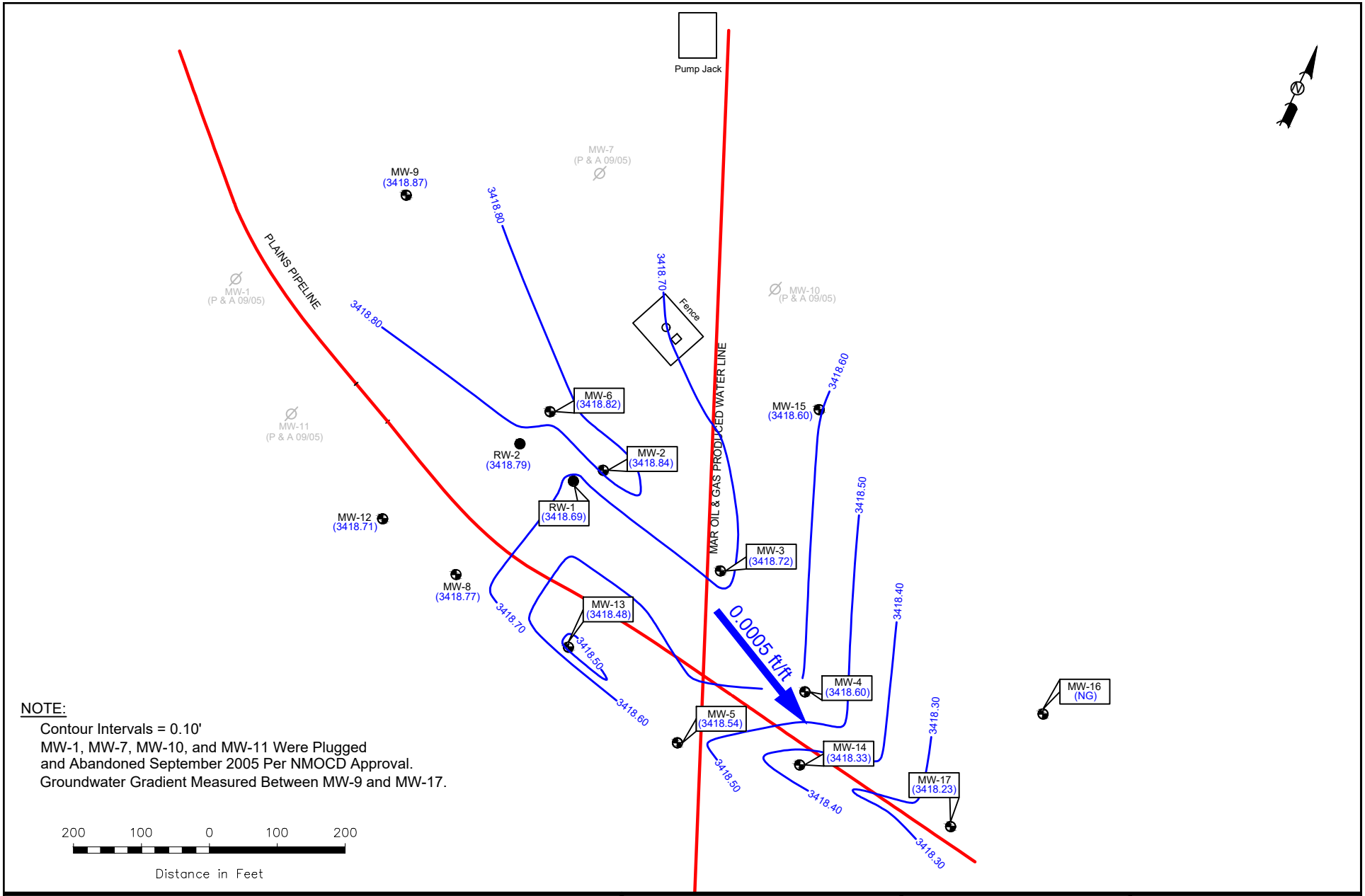
LEGEND:

- Monitor Well Location
- Pipeline
- Recovery Well Location
- Plugged and Abandoned Well
- (3791.69) Grounwater Elevation (Feet)
- Grounwater Elevation Contour Line

Figure 2A
Inferred Groundwater Gradient Map
(3/16/2022)
Plains Marketing, L.P.
HDO 90-23
NMOCD Reference #AP-009
Lea County, NM

Scale: 1" = 200'	
CAD By: CS	Checked By: CS
Draft: April 21, 2022	
Lat. N 32.520027°, Long. W 103.200794°	
NE1/4 NW1/4 Sec 6 T21S R37E	
TRC Proj. No.: 014181	

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



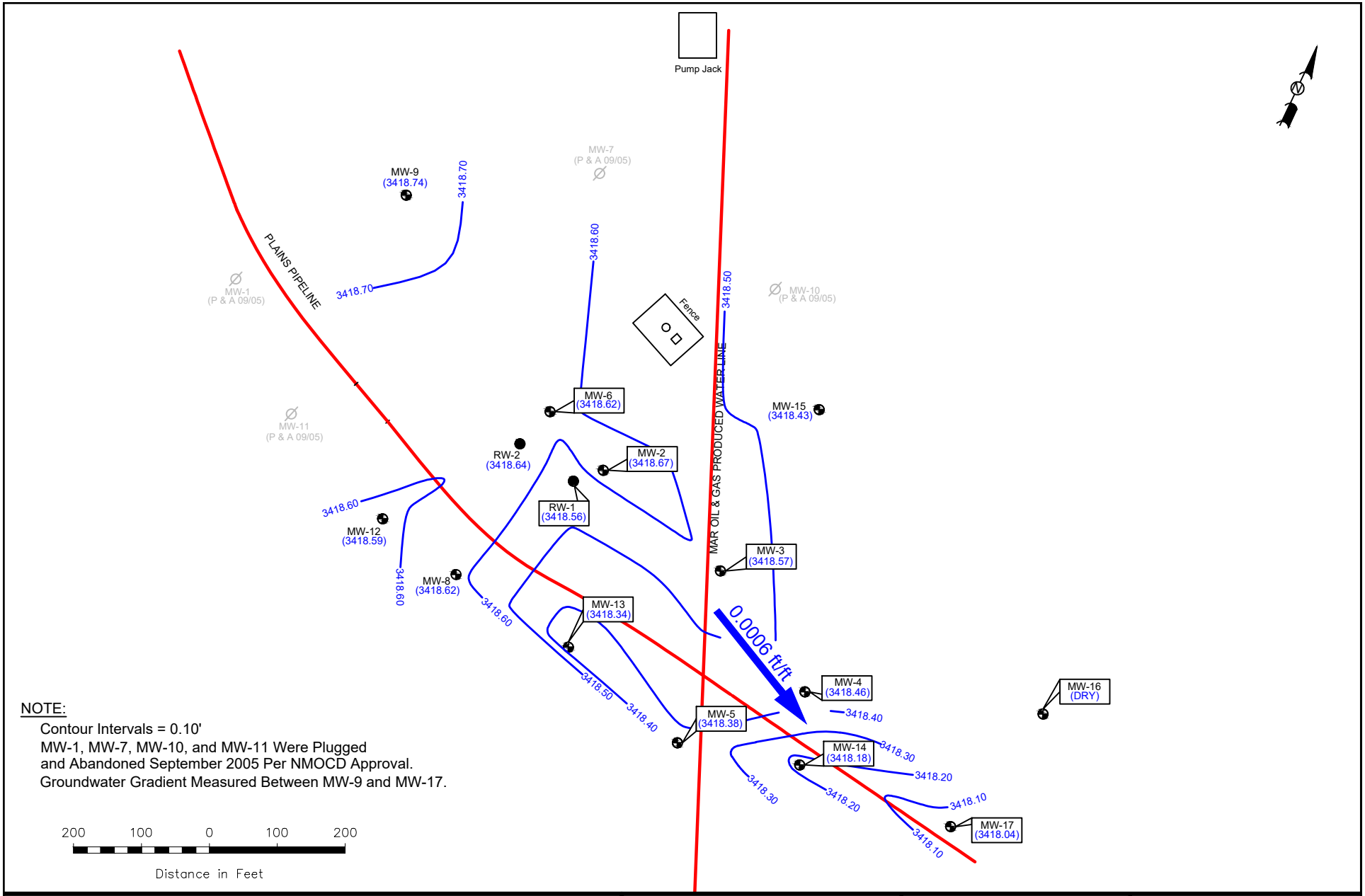
LEGEND:

- Monitor Well Location
- Pipeline
- Recovery Well Location
- Plugged and Abandoned Well
- (3791.69) Grounwater Elevation (Feet)
- Grounwater Elevation Contour Line

Figure 2B
Inferred Groundwater Gradient Map
(5/19/2022)
Plains Marketing, L.P.
HDO 90-23
NMOCD Reference #AP-009
Lea County, NM

Scale: 1" = 200'	
CAD By: CS	Checked By: CS
Draft: May 20, 2022	
Lat. N 32.520027°, Long. W 103.200794°	
NE1/4 NW1/4 Sec 6 T21S R37E	
TRC Proj. No.: 014181	

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



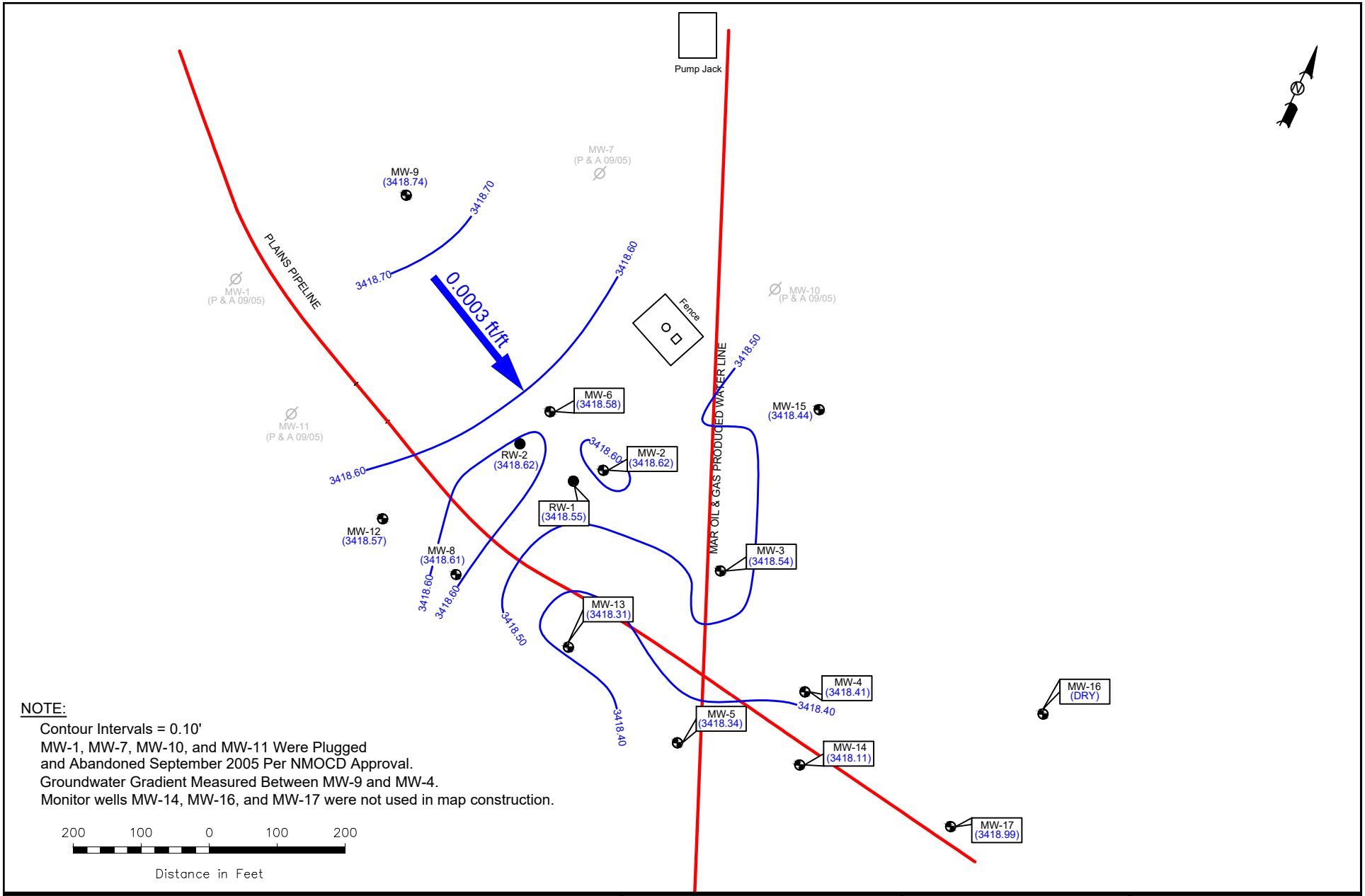
LEGEND:

- Monitor Well Location
- Pipeline
- Recovery Well Location
- Plugged and Abandoned Well
- (3791.69) Grounwater Elevation (Feet)
- Grounwater Elevation Contour Line

Figure 2C
Inferred Groundwater Gradient Map
(9/6/2022 - 9/7/2022)
Plains Marketing, L.P.
HDO 90-23
NMOCD Reference #AP-009
Lea County, NM

Scale: 1" = 200'	
CAD By: CS	Checked By: CS
Draft: September 14, 2022	
Lat. N 32.520027°, Long. W 103.200794°	
NE1/4 NW1/4 Sec 6 T21S R37E	
TRC Proj. No.: 014181	

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



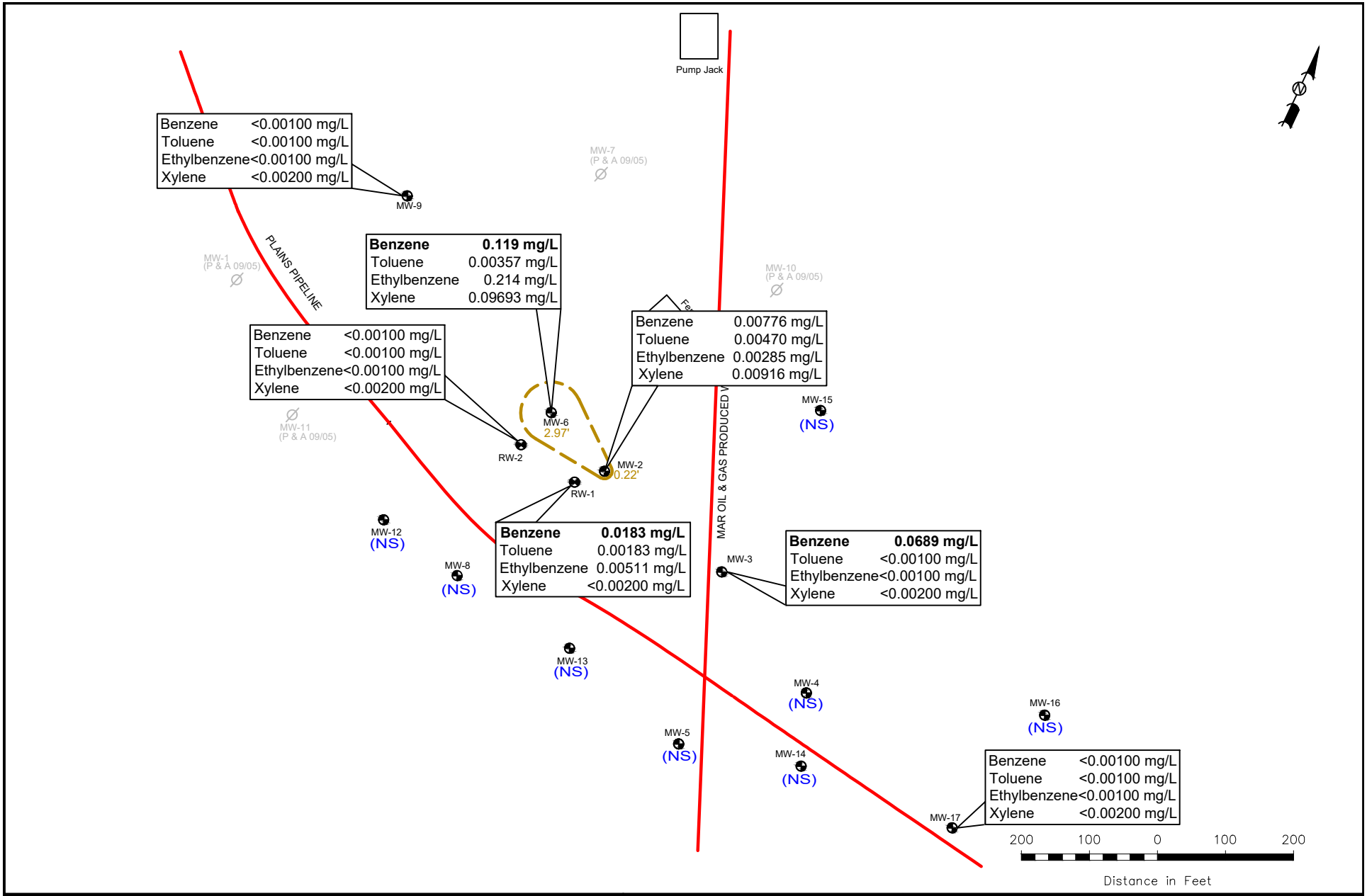
LEGEND:

- Monitor Well Location
- Pipeline
- Recovery Well Location
- Plugged and Abandoned Well
- (3791.69) Grounwater Elevation (Feet)
- Grounwater Elevation Contour Line

Figure 2D
Inferred Groundwater Gradient Map
(11/30/2022 - 12/2/2022)
Plains Marketing, L.P.
HDO 90-23
NMOCD Reference #AP-009
Lea County, NM

Scale: 1" = 200'	
CAD By: CS	Checked By: CS
Draft: March 7, 2023	
Lat. N 32.520027°, Long. W 103.200794°	
NE1/4 NW1/4 Sec 6 T21S R37E	
TRC Proj. No.: 014181	

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



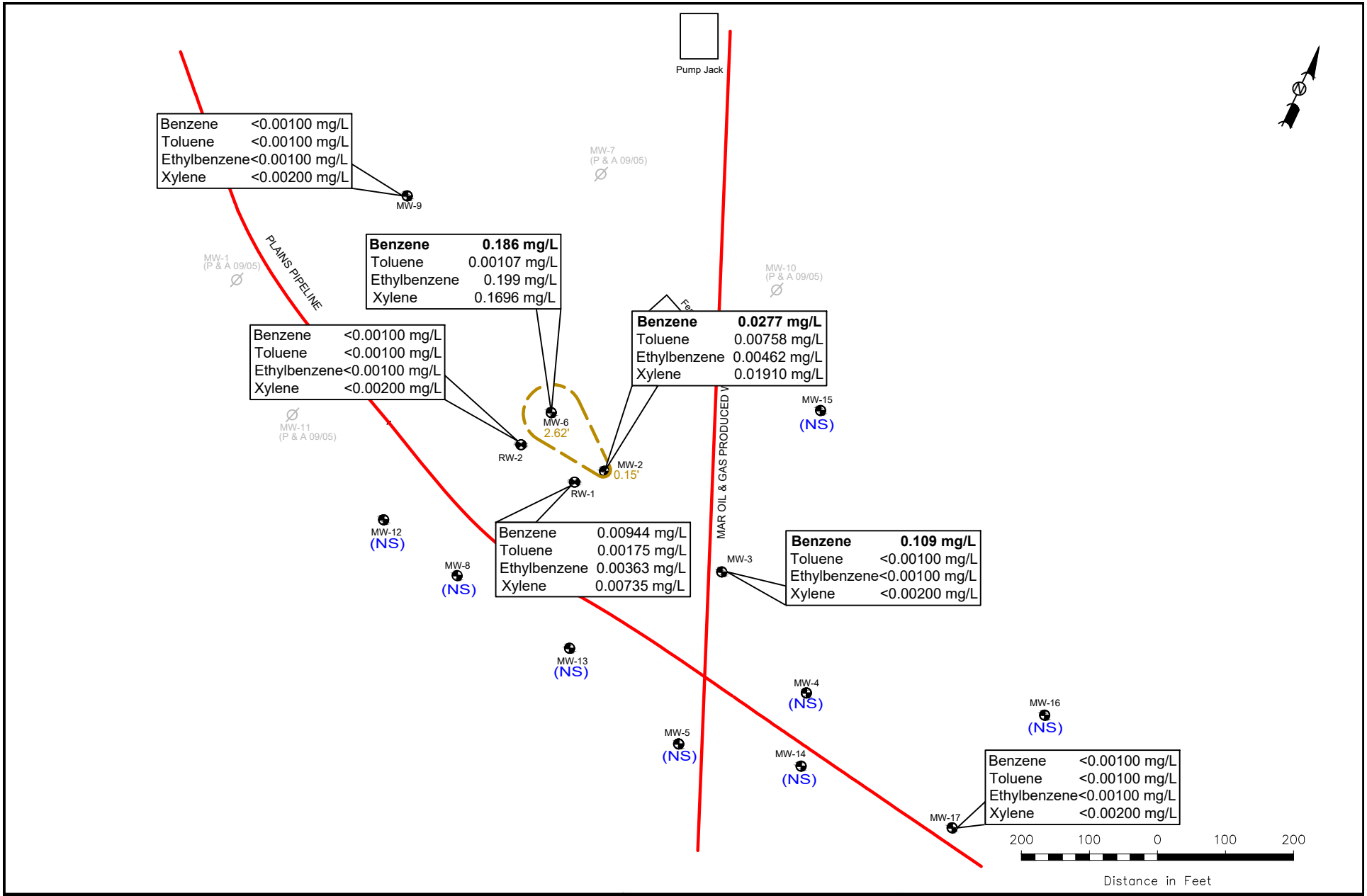
LEGEND:

- Monitor Well Location
- Inferred PSH Extent
- Pipeline
- (NS) Not Sampled
- (NA) PSH Thickness Data Unavailable
- <0.001 Constituent Concentration (mg/L)
- 0.18' PSH Thickness (in feet)

Figure 3A
Groundwater Concentration and Inferred PSH Extent Map
(3/16/2022)
Plains Marketing, L.P.
HDO 90-23
NMOCD Reference #AP-009
Lea County, NM

Scale: 1" = 200'	
CAD By: CS	Checked By: CS
Draft: April 4, 2022	
Lat. N 32.520027°, Long. W 103.200794°	
NE1/4 NW1/4 Sec 6 T21S R37E	
TRC Proj. No.: 014181	

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



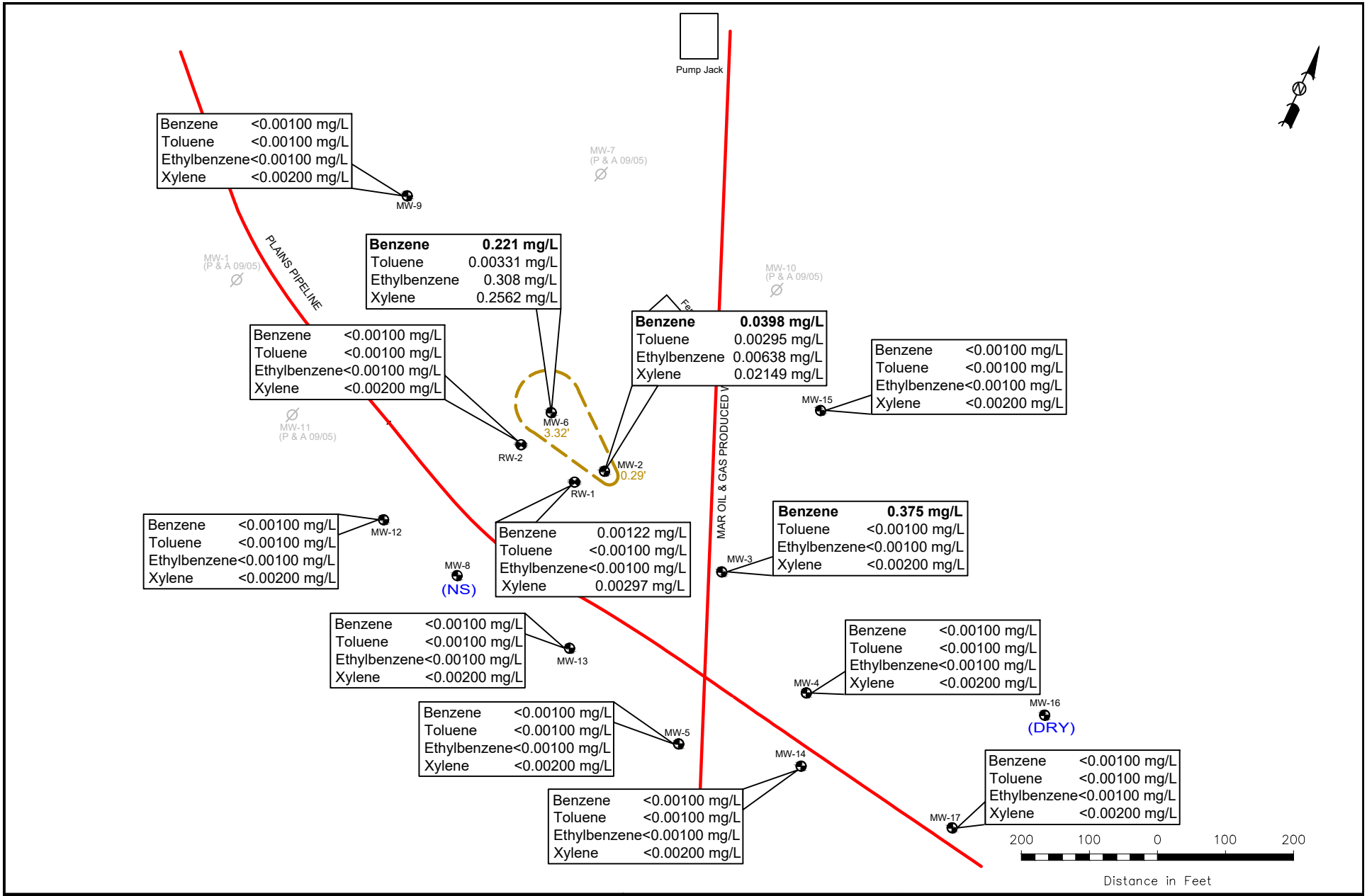
LEGEND:

- Monitor Well Location
- Inferred PSH Extent
- Pipeline
- (NS) Not Sampled
- (NA) PSH Thickness Data Unavailable
- <0.001 Constituent Concentration (mg/L)
- 0.18' PSH Thickness (in feet)

Figure 3B
Groundwater Concentration and Inferred PSH Extent Map
(5/19/2022)
Plains Marketing, L.P.
HDO 90-23
NMOCD Reference #AP-009
Lea County, NM

Scale: 1" = 200'	
CAD By: CS	Checked By: CS
Draft: June 6, 2022	
Lat. N 32.520027°, Long. W 103.200794°	
NE1/4 NW1/4 Sec 6 T21S R37E	
TRC Proj. No.: 014181	

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



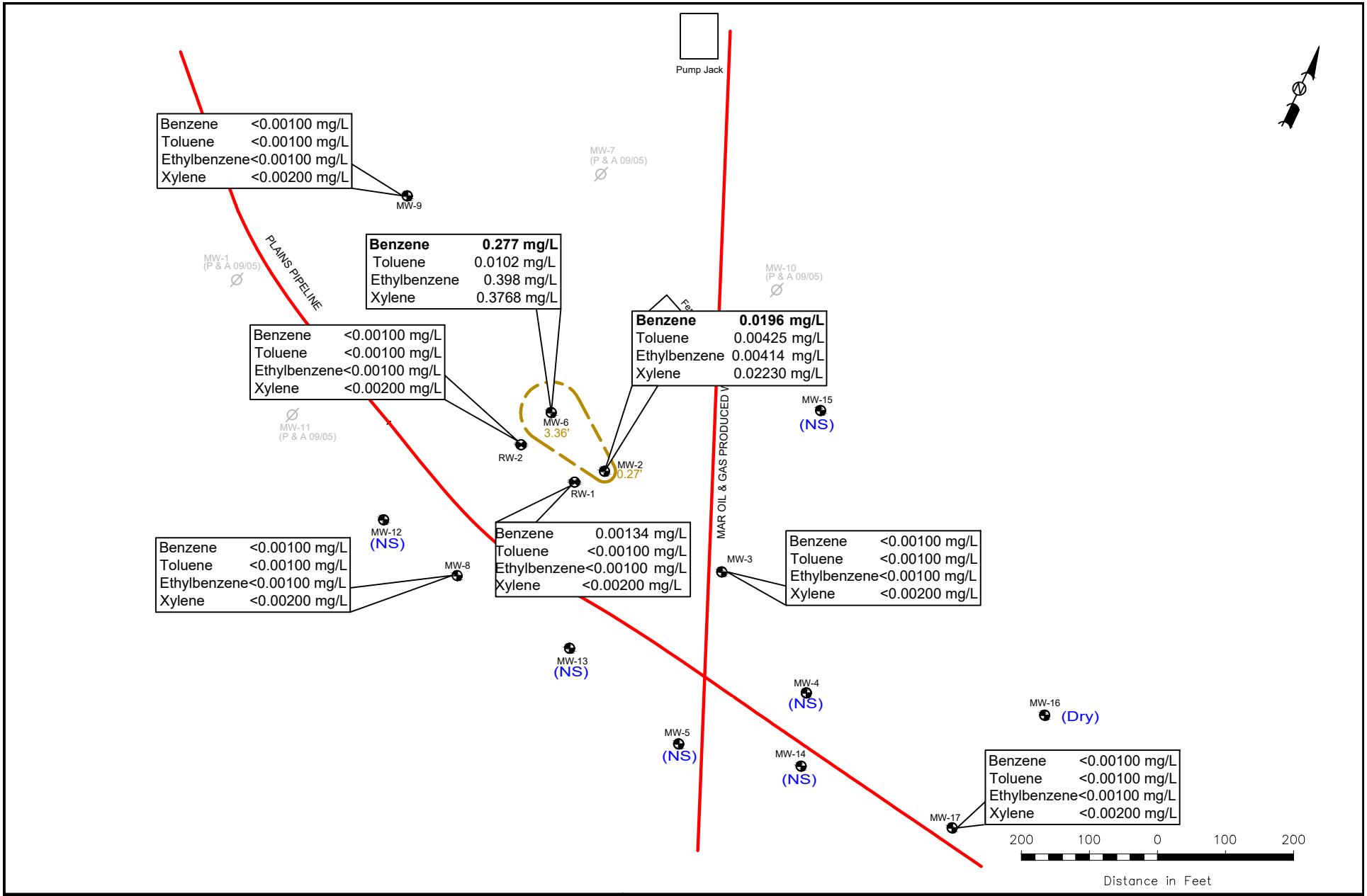
LEGEND:

- Monitor Well Location
- Inferred PSH Extent
- Pipeline
- (NS) Not Sampled
- (NA) PSH Thickness Data Unavailable
- <0.001 Constituent Concentration (mg/L)
- 0.18' PSH Thickness (in feet)

Figure 3C
Groundwater Concentration and Inferred PSH Extent Map
(9/6/2022 - 9/7/2022)
Plains Marketing, L.P.
HDO 90-23
NMOCD Reference #AP-009
Lea County, NM

Scale: 1" = 200'	
CAD By: CS	Checked By: CS
Draft: September 27, 2022	
Lat. N 32.520027°, Long. W 103.200794°	
NE1/4 NW1/4 Sec 6 T21S R37E	
TRC Proj. No.: 014181	

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



LEGEND:

- Monitor Well Location
- Inferred PSH Extent
- Pipeline
- (NS) Not Sampled
- (NA) PSH Thickness Data Unavailable
- <0.001 Constituent Concentration (mg/L)
- 0.18' PSH Thickness (in feet)

Figure 3D
Groundwater Concentration and Inferred PSH Extent Map
(11/30/2022 - 12/2/2022)
Plains Marketing, L.P.
HDO 90-23
NMOCD Reference #AP-009
Lea County, NM

Scale: 1" = 200'	
CAD By: CS	Checked By: CS
Draft: February 24, 2023	
Lat. N 32.520027°, Long. W 103.200794°	
NE1/4 NW1/4 Sec 6 T21S R37E	
TRC Proj. No.: 014181	

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

TABLES

TABLE 1

2022 GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	01/21/22	3,465.44	46.62	46.71	0.09	3,418.81
MW - 2	03/16/22	3,465.44	46.62	46.84	0.22	3,418.79
MW - 2	03/29/22	3,465.44	46.57	46.67	0.10	3,418.86
MW - 2	05/19/22	3,465.44	46.58	46.73	0.15	3,418.84
MW - 2	07/01/22	3,465.44	46.68	46.80	0.12	3,418.74
MW - 2	09/07/22	3,465.44	46.73	47.02	0.29	3,418.67
MW - 2	12/01/22	3,465.44	46.78	47.05	0.27	3,418.62
MW - 3	03/16/22	3,464.68	-	45.99	0.00	3,418.69
MW - 3	05/19/22	3,464.68	-	45.96	0.00	3,418.72
MW - 3	09/07/22	3,464.68	-	46.11	0.00	3,418.57
MW - 3	12/01/22	3,464.68	-	46.14	0.00	3,418.54
MW - 4	03/16/22	3,465.76	-	47.18	0.00	3,418.58
MW - 4	05/19/22	3,465.76	-	47.16	0.00	3,418.60
MW - 4	09/06/22	3,465.76	-	47.30	0.00	3,418.46
MW - 4	11/30/22	3,465.76	-	47.35	0.00	3,418.41
MW - 5	03/16/22	3,467.40	-	48.93	0.00	3,418.47
MW - 5	05/19/22	3,467.40	-	48.86	0.00	3,418.54
MW - 5	09/06/22	3,467.40	-	49.02	0.00	3,418.38
MW - 5	11/30/22	3,467.40	-	49.06	0.00	3,418.34
MW - 6	01/21/22	3,465.42	46.21	49.16	2.95	3,418.77
MW - 6	03/16/22	3,465.42	46.18	49.15	2.97	3,418.79
MW - 6	03/29/22	3,465.42	46.22	48.72	2.50	3,418.83
MW - 6	04/27/22	3,465.42	46.18	48.70	2.52	3,418.86
MW - 6	05/19/22	3,465.42	46.21	48.83	2.62	3,418.82
MW - 6	07/01/22	3,465.42	46.28	49.01	2.73	3,418.73
MW - 6	09/07/22	3,465.42	46.30	49.62	3.32	3,418.62
MW - 6	12/01/22	3,465.42	46.34	49.70	3.36	3,418.58
MW - 6	12/27/22	3,465.42	46.33	49.60	3.27	3,418.60
MW - 8	03/16/22	3,467.61	-	48.87	0.00	3,418.74
MW - 8	05/19/22	3,467.61	-	48.84	0.00	3,418.77
MW - 8	09/06/22	3,467.61	-	48.99	0.00	3,418.62
MW - 8	12/02/22	3,467.61	-	49.00	0.00	3,418.61
MW - 9	03/16/22	3,465.74	-	46.85	0.00	3,418.89
MW - 9	05/19/22	3,465.74	-	46.87	0.00	3,418.87
MW - 9	09/06/22	3,465.74	-	47.00	0.00	3,418.74
MW - 9	12/01/22	3,465.74	-	47.00	0.00	3,418.74

TABLE 1

2022 GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 12	03/16/22	3466.69	-	47.98	0.00	3,418.71
MW - 12	05/19/22	3466.69	-	47.98	0.00	3,418.71
MW - 12	09/06/22	3466.69	-	48.10	0.00	3,418.59
MW - 12	11/30/22	3466.69	-	48.12	0.00	3,418.57
MW - 13	03/16/22	3466.98	-	48.53	0.00	3,418.45
MW - 13	05/19/22	3466.98	-	48.50	0.00	3,418.48
MW - 13	09/06/22	3466.98	-	48.64	0.00	3,418.34
MW - 13	11/30/22	3466.98	-	48.67	0.00	3,418.31
MW - 14	03/16/22	3466.50	-	48.23	0.00	3,418.27
MW - 14	05/19/22	3466.50	-	48.17	0.00	3,418.33
MW - 14	09/06/22	3466.50	-	48.32	0.00	3,418.18
MW - 14	11/30/22	3466.50	-	48.39	0.00	3,418.11
MW - 15	03/16/22	3466.10	-	47.50	0.00	3,418.60
MW - 15	05/19/22	3466.10	-	47.50	0.00	3,418.60
MW - 15	09/06/22	3466.10	-	47.67	0.00	3,418.43
MW - 15	11/30/22	3466.10	-	47.66	0.00	3,418.44
MW - 16	03/16/22	3465.93	-	47.61	0.00	3,418.32
MW - 16	05/19/22	3465.93	-	DRY	-	-
MW - 16	09/06/22	3465.93	-	DRY	-	-
MW - 16	12/02/22	3465.93	-	DRY	-	-
MW - 17	03/16/22	3468.68	-	50.49	0.00	3,418.19
MW - 17	05/19/22	3468.68	-	50.45	0.00	3,418.23
MW - 17	09/06/22	3468.68	-	50.64	0.00	3,418.04
MW - 17	12/01/22	3468.68	-	49.69	0.00	3,418.99
RW-1	03/16/22	3465.02	-	46.32	0.00	3,418.70
RW-1	05/19/22	3465.02	-	46.33	0.00	3,418.69
RW-1	09/06/22	3465.02	-	46.46	0.00	3,418.56
RW-1	12/02/22	3465.02	-	46.47	0.00	3,418.55
RW - 2	03/16/22	3465.21	-	46.32	0.00	3418.89
RW - 2	05/19/22	3465.21	-	46.42	0.00	3418.79
RW - 2	09/07/22	3465.21	-	46.57	0.00	3418.64
RW - 2	12/01/22	3465.21	-	46.59	0.00	3418.62

Note: Elevations based on North American Vertical Datum of 1929.

TABLE 2

2022 CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
HDO 90-23
LEA COUNTY, NEW MEXICO
NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
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 - 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	**0.357**	<0.00100	<0.00100	<0.00200	
MW - 3	12/01/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 4	03/16/22	Not Sampled on Current Sample Schedule				
MW - 4	05/19/22	Not Sampled on Current Sample Schedule				
MW - 4	09/07/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 4	11/30/22	Not Sampled on Current Sample Schedule				
MW - 5	03/16/22	Not Sampled on Current Sample Schedule				
MW - 5	05/19/22	Not Sampled on Current Sample Schedule				
MW - 5	09/07/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 5	11/30/22	Not Sampled on Current Sample Schedule				
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 - 8	03/16/22	Not Sampled on Current Sample Schedule				
MW - 8	05/19/22	Not Sampled on Current Sample Schedule				
MW - 8	09/06/22	Not Sampled on Current Sample Schedule				
MW - 8	12/02/22	<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 - 12	03/16/22	Not Sampled on Current Sample Schedule				
MW - 12	05/19/22	Not Sampled on Current Sample Schedule				
MW - 12	09/07/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 12	11/30/22	Not Sampled on Current Sample Schedule				
MW - 13	03/16/22	Not Sampled on Current Sample Schedule				
MW - 13	05/19/22	Not Sampled on Current Sample Schedule				

TABLE 2

2022 CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
HDO 90-23
LEA COUNTY, NEW MEXICO
NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 13	09/07/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 13	11/30/22	Not Sampled on Current Sample Schedule				
MW - 14	03/16/22	Not Sampled on Current Sample Schedule				
MW - 14	05/19/22	Not Sampled on Current Sample Schedule				
MW - 14	09/07/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 14	11/30/22	Not Sampled on Current Sample Schedule				
MW - 15	03/16/22	Not Sampled on Current Sample Schedule				
MW - 15	05/19/22	Not Sampled on Current Sample Schedule				
MW - 15	09/07/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 15	11/30/22	Not Sampled on Current Sample Schedule				
MW - 16	03/16/22	Not Sampled on Current Sample Schedule				
MW - 16	05/19/22	Not Sampled on Current Sample Schedule				
MW - 16	09/06/22	DRY				
MW - 16	12/02/22	DRY				
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	
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 - 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	

TABLE 3

2022 POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM HDO-90-23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																	
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		---	---	**0.001 mg/L**	**0.0001 mg/L**	**0.0007 mg/L**	**0.001 mg/L**	---	**0.001 mg/L**	**0.0002 mg/L**	**0.0003 mg/L**	**0.001 mg/L**	**0.001 mg/L**	**0.0004 mg/L**	**0.001 mg/L**	**0.001 mg/L**	**0.03 mg/L**			---
MW-2	12/02/22	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-3	12/01/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-4	12/01/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	12/01/22	Not Sampled as part of Quarterly Monitoring Event.																		
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-8	12/01/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-9	12/01/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	12/01/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	12/01/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-14	12/01/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-15	12/01/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-16	12/01/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-17	12/01/22	Not Sampled as part of Quarterly Monitoring Event.																		
RW-1	12/01/22	Not Sampled as part of Quarterly Monitoring Event.																		
RW-2	12/01/22	Not Sampled as part of Quarterly Monitoring Event.																		

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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	PLUGGED & ABANDONED				
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	06/05/08	3,465.44	-	45.52	0.00	3,419.92
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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
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	45.70	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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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	45.80	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	45.90	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	45.90	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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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	45.90	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
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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	46.10	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	46.00	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	01/23/14	3,465.44	46.02	46.31	0.29	3,419.38
MW - 2	01/28/14	3,465.44	46.03	46.36	0.33	3,419.36
MW - 2	02/11/14	3,465.44	46.03	46.33	0.30	3,419.37
MW - 2	02/26/14	3,465.44	45.99	46.33	0.34	3,419.40
MW - 2	03/21/14	3,465.44	45.98	46.33	0.35	3,419.41
MW - 2	03/29/14	3,465.44	45.96	46.26	0.30	3,419.44
MW - 2	04/10/14	3,465.44	45.97	46.23	0.26	3,419.43
MW - 2	04/17/14	3,465.44	46.01	46.32	0.31	3,419.38
MW - 2	04/17/14	3,465.44	46.03	46.06	0.03	3,419.41
MW - 2	04/24/14	3,465.44	45.98	46.20	0.22	3,419.43
MW - 2	05/01/14	3,465.44	46.06	46.09	0.03	3,419.38
MW - 2	05/06/14	3,465.44	45.99	46.09	0.10	3,419.44
MW - 2	05/12/14	3,465.44	46.04	46.15	0.11	3,419.38
MW - 2	05/23/14	3,465.44	46.01	46.30	0.29	3,419.39
MW - 2	05/27/14	3,465.44	46.01	46.19	0.18	3,419.40
MW - 2	06/05/14	3,465.44	46.02	46.25	0.23	3,419.39
MW - 2	06/26/14	3,465.44	46.09	46.30	0.21	3,419.32

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	07/01/14	3,465.44	46.18	46.25	0.07	3,419.25
MW - 2	07/08/14	3,465.44	46.13	46.36	0.23	3,419.28
MW - 2	07/17/14	3,465.44	46.15	46.33	0.18	3,419.26
MW - 2	07/23/14	3,465.44	46.20	46.28	0.08	3,419.23
MW - 2	08/06/14	3,465.44	46.18	46.31	0.13	3,419.24
MW - 2	08/11/14	3,465.44	46.23	46.30	0.07	3,419.20
MW - 2	08/21/14	3,465.44	46.22	46.36	0.14	3,419.20
MW - 2	09/04/14	3,465.44	46.20	46.44	0.24	3,419.20
MW - 2	10/02/14	3,465.44	45.24	46.10	0.86	3,420.07
MW - 2	10/08/14	3,465.44	45.40	45.81	0.41	3,419.98
MW - 2	10/15/14	3,465.44	45.54	45.85	0.31	3,419.85
MW - 2	10/16/14	3,465.44	45.57	45.74	0.17	3,419.84
MW - 2	10/23/14	3,465.44	45.62	45.79	0.17	3,419.79
MW - 2	10/24/14	3,465.44	45.62	45.79	0.17	3,419.79
MW - 2	10/28/14	3,465.44	45.67	45.78	0.11	3,419.75
MW - 2	11/07/14	3,465.44	45.68	45.81	0.13	3,419.74
MW - 2	11/15/14	3,465.44	45.65	45.77	0.12	3,419.77
MW - 2	12/11/14	3,465.44	45.61	45.76	0.15	3,419.81
MW - 2	12/18/14	3,465.44	45.69	45.86	0.17	3,419.72
MW - 2	01/07/15	3,465.44	45.75	45.81	0.06	3,419.68
MW - 2	01/15/15	3,465.44	45.72	45.77	0.05	3,419.71
MW - 2	01/28/15	3,465.44	45.71	45.77	0.06	3,419.72
MW - 2	02/04/15	3,465.44	45.71	45.79	0.08	3,419.72
MW - 2	02/13/15	3,465.44	45.71	45.81	0.10	3,419.72
MW - 2	02/17/15	3,465.44	45.72	45.82	0.10	3,419.71
MW - 2	02/18/15	3,465.44	45.71	45.72	0.01	3,419.73
MW - 2	02/24/15	3,465.44	45.70	45.73	0.03	3,419.74
MW - 2	03/10/15	3,465.44	45.72	45.81	0.09	3,419.71
MW - 2	03/17/15	3,465.44	45.73	45.74	0.01	3,419.71
MW - 2	03/19/15	3,465.44	45.73	45.75	0.02	3,419.71
MW - 2	03/25/15	3,465.44	45.72	45.73	0.01	3,419.72
MW - 2	04/07/15	3,465.44	45.72	45.74	0.02	3,419.72
MW - 2	04/14/15	3,465.44	45.74	45.77	0.03	3,419.70
MW - 2	04/16/15	3,465.44	45.70	45.75	0.05	3,419.73
MW - 2	04/21/15	3,465.44	45.74	45.76	0.02	3,419.70
MW - 2	05/06/15	3,465.44	45.72	45.74	0.02	3,419.72
MW - 2	05/20/15	3,465.44	45.73	45.76	0.03	3,419.71
MW - 2	05/28/15	3,465.44	45.70	45.71	0.01	3,419.74
MW - 2	06/02/15	3,465.44	-	45.77	0.00	3,419.67
MW - 2	06/09/15	3,465.44	45.75	45.76	0.01	3,419.69

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	06/18/15	3,465.44	-	45.76	0.00	3,419.68
MW - 2	07/03/15	3,465.44	-	45.88	0.00	3,419.56
MW - 2	07/06/15	3,465.44	45.83	45.84	0.01	3,419.61
MW - 2	07/17/15	3,465.44	-	45.90	0.00	3,419.54
MW - 2	07/21/15	3,465.44	-	45.89	0.00	3,419.55
MW - 2	07/28/15	3,465.44	45.91	45.93	0.02	3,419.53
MW - 2	08/05/15	3,465.44	45.94	46.03	0.09	3,419.49
MW - 2	08/11/15	3,465.44	45.97	46.10	0.13	3,419.45
MW - 2	08/12/15	3,465.44	45.83	45.84	0.01	3,419.61
MW - 2	08/20/15	3,465.44	45.95	46.16	0.21	3,419.46
MW - 2	08/21/15	3,465.44	45.95	46.16	0.21	3,419.46
MW - 2	08/27/15	3,465.44	46.00	46.04	0.04	3,419.43
MW - 2	09/01/15	3,465.44	-	46.06	0.00	3,419.38
MW - 2	09/09/15	3,465.44	-	46.10	0.00	3,419.34
MW - 2	09/11/15	3,465.44	-	46.11	0.00	3,419.33
MW - 2	09/17/15	3,465.44	-	46.07	0.00	3,419.37
MW - 2	09/30/15	3,465.44	-	46.20	0.00	3,419.24
MW - 2	10/07/15	3,465.44	-	46.08	0.00	3,419.36
MW - 2	10/13/15	3,465.44	-	46.03	0.00	3,419.41
MW - 2	10/15/15	3,465.44	-	46.03	0.00	3,419.41
MW - 2	10/26/15	3,465.44	-	45.96	0.00	3,419.48
MW - 2	11/05/15	3,465.44	-	46.00	0.00	3,419.44
MW - 2	11/09/15	3,465.44	-	45.94	0.00	3,419.50
MW - 2	11/30/15	3,465.44	-	45.95	0.00	3,419.49
MW - 2	12/01/15	3,465.44	-	45.93	0.00	3,419.51
MW - 2	12/09/15	3,465.44	-	45.99	0.00	3,419.45
MW - 2	12/11/15	3,465.44	-	45.88	0.00	3,419.56
MW - 2	12/15/15	3,465.44	-	45.86	0.00	3,419.58
MW - 2	12/24/15	3,465.44	-	45.91	0.00	3,419.53
MW - 2	01/06/16	3,465.44	-	45.93	0.00	3,419.51
MW - 2	01/15/16	3,465.44	-	45.96	0.00	3,419.48
MW - 2	01/19/16	3,465.44	-	45.98	0.00	3,419.46
MW - 2	01/28/16	3,465.44	-	45.98	0.00	3,419.46
MW - 2	02/03/16	3,465.44	-	45.91	0.00	3,419.53
MW - 2	02/11/16	3,465.44	-	45.95	0.00	3,419.49
MW - 2	02/19/16	3,465.44	-	45.98	0.00	3,419.46
MW - 2	02/23/16	3,465.44	-	45.92	0.00	3,419.52
MW - 2	02/25/16	3,465.44	-	45.91	0.00	3,419.53
MW - 2	03/01/16	3,465.44	-	45.91	0.00	3,419.53
MW - 2	03/08/16	3,465.44	-	45.88	0.00	3,419.56

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	03/16/16	3,465.44	-	45.89	0.00	3,419.55
MW - 2	03/17/16	3,465.44	-	45.88	0.00	3,419.56
MW - 2	03/24/16	3,465.44	-	45.89	0.00	3,419.55
MW - 2	03/29/16	3,465.44	-	45.91	0.00	3,419.53
MW - 2	04/05/16	3,465.44	-	45.90	0.00	3,419.54
MW - 2	04/13/16	3,465.44	-	45.87	0.00	3,419.57
MW - 2	04/18/16	3,465.44	-	45.92	0.00	3,419.52
MW - 2	04/25/16	3,465.44	45.85	45.86	0.01	3,419.59
MW - 2	05/03/16	3,465.44	45.84	45.85	0.01	3,419.60
MW - 2	05/12/16	3,465.44	45.85	45.86	0.01	3,419.59
MW - 2	05/27/16	3,465.44	45.89	45.90	0.01	3,419.55
MW - 2	06/02/16	3,465.44	45.91	45.92	0.01	3,419.53
MW - 2	06/06/16	3,465.44	-	45.96	0.00	3,419.48
MW - 2	06/30/16	3,465.44	-	46.10	0.00	3,419.34
MW - 2	07/05/16	3,465.44	-	46.06	0.00	3,419.38
MW - 2	07/14/16	3,465.44	-	46.03	0.00	3,419.41
MW - 2	07/19/16	3,465.44	-	46.05	0.00	3,419.39
MW - 2	07/26/16	3,465.44	-	46.10	0.00	3,419.34
MW - 2	08/03/16	3,465.44	-	46.10	0.00	3,419.34
MW - 2	08/10/16	3,465.44	-	46.13	0.00	3,419.31
MW - 2	08/15/16	3,465.44	-	46.11	0.00	3,419.33
MW - 2	08/23/16	3,465.44	-	46.04	0.00	3,419.40
MW - 2	09/12/16	3,465.44	45.78	45.79	0.01	3,419.66
MW - 2	10/07/16	3,465.44	45.56	45.85	0.29	3,419.84
MW - 2	10/12/16	3,465.44	45.73	45.74	0.01	3,419.71
MW - 2	10/19/16	3,465.44	-	45.76	0.00	3,419.68
MW - 2	10/28/16	3,465.44	-	45.76	0.00	3,419.68
MW - 2	11/03/16	3,465.44	-	45.75	0.00	3,419.69
MW - 2	11/11/16	3,465.44	-	45.74	0.00	3,419.70
MW - 2	11/15/16	3,465.44	-	45.68	0.00	3,419.76
MW - 2	12/02/16	3,465.44	-	45.73	0.00	3,419.71
MW - 2	12/06/16	3,465.44	-	45.77	0.00	3,419.67
MW - 2	12/13/16	3,465.44	-	45.79	0.00	3,419.65
MW - 2	12/21/16	3,465.44	-	45.80	0.00	3,419.64
MW - 2	12/28/16	3,465.44	-	45.79	0.00	3,419.65
MW - 2	01/03/17	3,465.44	-	45.79	0.00	3,419.65
MW - 2	01/09/17	3,465.44	-	45.90	0.00	3,419.54
MW - 2	01/17/17	3,465.44	-	45.86	0.00	3,419.58
MW - 2	01/25/17	3,465.44	-	45.87	0.00	3,419.57
MW - 2	02/01/17	3,465.44	-	45.83	0.00	3,419.61

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	02/07/17	3,465.44	-	45.85	0.00	3,419.59
MW - 2	02/16/17	3,465.44	-	45.80	0.00	3,419.64
MW - 2	02/23/17	3,465.44	-	45.81	0.00	3,419.63
MW - 2	03/03/17	3,465.44	-	45.81	0.00	3,419.63
MW - 2	03/07/17	3,465.44	-	45.85	0.00	3,419.59
MW - 2	03/14/17	3,465.44	-	45.79	0.00	3,419.65
MW - 2	03/24/17	3,465.44	-	45.79	0.00	3,419.65
MW - 2	03/30/17	3,465.44	-	45.81	0.00	3,419.63
MW - 2	04/04/17	3,465.44	-	45.80	0.00	3,419.64
MW - 2	04/11/17	3,465.44	-	45.79	0.00	3,419.65
MW - 2	04/21/17	3,465.44	-	45.76	0.00	3,419.68
MW - 2	04/27/17	3,465.44	-	45.75	0.00	3,419.69
MW - 2	05/04/17	3,465.44	-	45.77	0.00	3,419.67
MW - 2	05/09/17	3,465.44	-	45.89	0.00	3,419.55
MW - 2	05/18/17	3,465.44	-	45.78	0.00	3,419.66
MW - 2	05/25/17	3,465.44	-	45.88	0.00	3,419.56
MW - 2	06/02/17	3,465.44	-	45.79	0.00	3,419.65
MW - 2	06/07/17	3,465.44	-	45.81	0.00	3,419.63
MW - 2	06/13/17	3,465.44	-	45.81	0.00	3,419.63
MW - 2	06/20/17	3,465.44	-	45.92	0.00	3,419.52
MW - 2	07/06/17	3,465.44	-	45.87	0.00	3,419.57
MW - 2	07/13/17	3,465.44	-	45.89	0.00	3,419.55
MW - 2	07/18/17	3,465.44	-	45.93	0.00	3,419.51
MW - 2	08/10/17	3,465.44	-	45.96	0.00	3,419.48
MW - 2	08/15/17	3,465.44	-	46.02	0.00	3,419.42
MW - 2	08/23/17	3,465.44	-	45.99	0.00	3,419.45
MW - 2	09/01/17	3,465.44	-	45.99	0.00	3,419.45
MW - 2	09/07/17	3,465.44	-	46.04	0.00	3,419.40
MW - 2	09/14/17	3,465.44	-	46.10	0.00	3,419.34
MW - 2	09/21/17	3,465.44	-	46.15	0.00	3,419.29
MW - 2	10/09/17	3,465.44	-	45.99	0.00	3,419.45
MW - 2	10/20/17	3,465.44	-	46.05	0.00	3,419.39
MW - 2	10/26/17	3,465.44	-	46.16	0.00	3,419.28
MW - 2	10/31/17	3,465.44	-	45.52	0.00	3,419.92
MW - 2	11/17/17	3,465.44	-	46.02	0.00	3,419.42
MW - 2	11/29/17	3,465.44	-	46.09	0.00	3,419.35
MW - 2	12/08/17	3,465.44	-	46.11	0.00	3,419.33
MW - 2	12/15/17	3,465.44	-	46.22	0.00	3,419.22
MW - 2	12/21/17	3,465.44	-	46.10	0.00	3,419.34
MW - 2	12/26/17	3,465.44	-	46.05	0.00	3,419.39

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	01/04/18	3,465.44	-	46.07	0.00	3,419.37
MW - 2	01/15/18	3,465.44	-	46.06	0.00	3,419.38
MW - 2	01/26/18	3,465.44	-	46.14	0.00	3,419.30
MW - 2	02/02/18	3,465.44	-	46.99	0.00	3,418.45
MW - 2	02/09/18	3,465.44	-	46.14	0.00	3,419.30
MW - 2	02/16/18	3,465.44	-	46.09	0.00	3,419.35
MW - 2	02/23/18	3,465.44	-	46.10	0.00	3,419.34
MW - 2	02/28/18	3,465.44	-	46.11	0.00	3,419.33
MW - 2	03/02/18	3,465.44	-	46.09	0.00	3,419.35
MW - 2	03/05/18	3,465.44	-	46.09	0.00	3,419.35
MW - 2	03/16/18	3,465.44	-	46.15	0.00	3,419.29
MW - 2	03/28/18	3,465.44	-	46.11	0.00	3,419.33
MW - 2	04/06/18	3,465.44	-	46.17	0.00	3,419.27
MW - 2	04/18/18	3,465.44	-	46.21	0.00	3,419.23
MW - 2	04/25/18	3,465.44	-	46.19	0.00	3,419.25
MW - 2	05/04/18	3,465.44	-	46.17	0.00	3,419.27
MW - 2	05/10/18	3,465.44	-	46.15	0.00	3,419.29
MW - 2	05/18/18	3,465.44	-	46.14	0.00	3,419.30
MW - 2	05/24/18	3,465.44	46.13	46.15	0.02	3,419.31
MW - 2	06/01/18	3,465.44	-	46.23	0.00	3,419.21
MW - 2	06/14/18	3,465.44	-	46.18	0.00	3,419.26
MW - 2	06/22/18	3,465.44	-	46.18	0.00	3,419.26
MW - 2	06/28/18	3,465.44	-	46.29	0.00	3,419.15
MW - 2	07/03/18	3,465.44	-	46.32	0.00	3,419.12
MW - 2	07/12/18	3,465.44	-	46.29	0.00	3,419.15
MW - 2	08/21/18	3,465.44	-	46.35	0.00	3,419.09
MW - 2	09/13/18	3,465.44	-	46.36	0.00	3,419.08
MW - 2	10/10/18	3,465.44	-	46.35	0.00	3,419.09
MW - 2	11/19/18	3,465.44	-	46.37	0.00	3,419.07
MW - 2	12/05/18	3,465.44	-	46.38	0.00	3,419.06
MW - 2	12/17/18	3,465.44	-	46.38	0.00	3,419.06
MW - 2	12/31/18	3,465.44	-	46.37	0.00	3,419.07
MW - 2	01/18/19	3,465.44	-	46.40	0.00	3,419.04
MW - 2	02/25/19	3,465.44	-	46.34	0.00	3,419.10
MW - 2	03/08/19	3,465.44	-	46.38	0.00	3,419.06
MW - 2	04/03/19	3,465.44	-	46.32	0.00	3,419.12
MW - 2	04/15/19	3,465.44	-	46.33	0.00	3,419.11
MW - 2	05/01/19	3,465.44	-	46.36	0.00	3,419.08
MW - 2	05/15/19	3,465.44	-	46.24	0.00	3,419.20
MW - 2	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
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	06/21/19	3,465.44	-	46.19	0.00	3,419.25
MW - 2	07/02/19	3,465.44	-	46.27	0.00	3,419.17
MW - 2	07/30/19	3,465.44	-	46.36	0.00	3,419.08
MW - 2	08/09/19	3,465.44	-	46.39	0.00	3,419.05
MW - 2	08/21/19	3,465.44	-	46.43	0.00	3,419.01
MW - 2	10/25/19	3,465.44	-	46.10	0.00	3,419.34
MW - 2	12/10/19	3,465.44	-	46.16	0.00	3,419.28
MW - 2	01/10/20	3,465.44	-	46.21	0.00	3,419.23
MW - 2	01/21/20	3,465.44	-	46.16	0.00	3,419.28
MW - 2	02/25/20	3,465.44	-	46.17	0.00	3,419.27
MW - 2	06/03/20	3,465.44	46.13	46.15	0.02	3,419.31
MW - 2	09/21/20	3,465.44	46.45	46.53	0.08	3,418.98
MW - 2	10/12/20	3,465.44	46.47	46.52	0.05	3,418.96
MW - 2	11/13/20	3,465.44	46.43	46.48	0.05	3,419.00
MW - 2	03/26/21	3,465.44	46.38	46.44	0.06	3,419.05
MW - 2	04/20/21	3,465.44	46.37	46.53	0.16	3,419.05
MW - 2	05/14/21	3,465.44	46.35	46.40	0.05	3,419.08
MW - 2	06/14/21	3,465.44	46.40	46.49	0.09	3,419.03
MW - 2	08/12/21	3,465.44	46.46	46.58	0.12	3,418.96
MW - 2	09/07/21	3,465.44	46.51	46.59	0.08	3,418.92
MW - 2	10/21/21	3,465.44	46.56	46.74	0.18	3,418.85
MW - 2	12/08/21	3,465.44	46.60	46.76	0.16	3,418.82
MW - 2	12/13/21	3,465.44	46.60	46.63	0.03	3,418.84
MW - 2	01/21/22	3,465.44	46.62	46.71	0.09	3,418.81
MW - 2	03/16/22	3,465.44	46.62	46.84	0.22	3,418.79
MW - 2	03/29/22	3,465.44	46.57	46.67	0.10	3,418.86
MW - 2	05/19/22	3,465.44	46.58	46.73	0.15	3,418.84
MW - 2	07/01/22	3,465.44	46.68	46.80	0.12	3,418.74
MW - 2	09/07/22	3,465.44	46.73	47.02	0.29	3,418.67
MW - 2	12/01/22	3,465.44	46.78	47.05	0.27	3,418.62
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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	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
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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	01/23/14	3,464.68	-	45.46	0.00	3,419.22
MW - 3	01/28/14	3,464.68	-	45.49	0.00	3,419.19
MW - 3	02/11/14	3,464.68	-	45.48	0.00	3,419.20
MW - 3	02/26/14	3,464.68	-	45.41	0.00	3,419.27
MW - 3	03/21/14	3,464.68	-	45.39	0.00	3,419.29
MW - 3	03/29/14	3,464.68	-	45.40	0.00	3,419.28
MW - 3	04/10/14	3,464.68	-	45.38	0.00	3,419.30
MW - 3	04/17/14	3,464.68	-	45.47	0.00	3,419.21
MW - 3	04/17/14	3,464.68	-	45.40	0.00	3,419.28
MW - 3	04/24/14	3,464.68	-	45.41	0.00	3,419.27
MW - 3	05/01/14	3,464.68	-	45.43	0.00	3,419.25
MW - 3	05/06/14	3,464.68	-	45.39	0.00	3,419.29
MW - 3	05/12/14	3,464.68	-	45.42	0.00	3,419.26
MW - 3	05/23/14	3,464.68	-	45.44	0.00	3,419.24
MW - 3	05/27/14	3,464.68	-	45.43	0.00	3,419.25
MW - 3	06/05/14	3,464.68	-	45.45	0.00	3,419.23
MW - 3	06/18/14	3,464.68	-	45.48	0.00	3,419.20
MW - 3	07/01/14	3,464.68	-	45.46	0.00	3,419.22
MW - 3	07/23/14	3,464.68	-	45.57	0.00	3,419.11
MW - 3	08/11/14	3,464.68	-	45.60	0.00	3,419.08
MW - 3	08/21/14	3,464.68	-	45.45	0.00	3,419.23
MW - 3	09/04/14	3,464.68	-	45.56	0.00	3,419.12
MW - 3	10/28/14	3,464.68	-	44.95	0.00	3,419.73
MW - 3	11/15/14	3,464.68	-	44.82	0.00	3,419.86
MW - 3	02/18/15	3,464.68	-	45.05	0.00	3,419.63
MW - 3	03/19/15	3,464.68	-	45.07	0.00	3,419.61
MW - 3	04/16/15	3,464.68	-	45.06	0.00	3,419.62
MW - 3	05/28/15	3,464.68	-	45.09	0.00	3,419.59
MW - 3	07/21/15	3,464.68	-	45.23	0.00	3,419.45
MW - 3	08/20/15	3,464.68	-	45.35	0.00	3,419.33

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 3	09/11/15	3,464.68	-	45.35	0.00	3,419.33
MW - 3	10/15/15	3,464.68	-	45.32	0.00	3,419.36
MW - 3	11/30/15	3,464.68	-	45.20	0.00	3,419.48
MW - 3	12/11/15	3,464.68	-	45.18	0.00	3,419.50
MW - 3	01/19/16	3,464.68	-	45.25	0.00	3,419.43
MW - 3	02/25/16	3,464.68	-	45.23	0.00	3,419.45
MW - 3	03/17/16	3,464.68	-	45.18	0.00	3,419.50
MW - 3	04/13/16	3,464.68	-	45.23	0.00	3,419.45
MW - 3	06/02/16	3,464.68	-	45.26	0.00	3,419.42
MW - 3	06/30/16	3,464.68	-	45.32	0.00	3,419.36
MW - 3	07/26/16	3,464.68	-	45.41	0.00	3,419.27
MW - 3	09/12/16	3,464.68	-	44.86	0.00	3,419.82
MW - 3	10/12/16	3,464.68	-	44.83	0.00	3,419.85
MW - 3	12/01/16	3,464.68	-	45.04	0.00	3,419.64
MW - 3	12/28/16	3,464.68	-	45.08	0.00	3,419.60
MW - 3	01/25/17	3,464.68	-	45.12	0.00	3,419.56
MW - 3	02/23/17	3,464.68	-	45.07	0.00	3,419.61
MW - 3	03/30/17	3,464.68	-	45.11	0.00	3,419.57
MW - 3	04/11/17	3,464.68	-	45.11	0.00	3,419.57
MW - 3	05/04/17	3,464.68	-	45.12	0.00	3,419.56
MW - 3	06/07/17	3,464.68	-	45.16	0.00	3,419.52
MW - 3	07/06/17	3,464.68	-	45.22	0.00	3,419.46
MW - 3	08/23/17	3,464.68	-	45.71	0.00	3,418.97
MW - 3	10/09/17	3,464.68	-	45.29	0.00	3,419.39
MW - 3	11/29/17	3,464.68	-	45.39	0.00	3,419.29
MW - 3	12/26/17	3,464.68	-	45.42	0.00	3,419.26
MW - 3	02/28/18	3,464.68	-	45.45	0.00	3,419.23
MW - 3	05/24/18	3,464.68	-	45.79	0.00	3,418.89
MW - 3	06/28/18	3,464.68	-	45.54	0.00	3,419.14
MW - 3	08/21/18	3,464.68	-	45.68	0.00	3,419.00
MW - 3	12/05/18	3,464.68	-	45.70	0.00	3,418.98
MW - 3	12/31/18	3,464.68	-	45.72	0.00	3,418.96
MW - 3	01/18/19	3,464.68	-	45.70	0.00	3,418.98
MW - 3	02/25/19	3,464.68	-	45.71	0.00	3,418.97
MW - 3	05/21/19	3,464.68	-	45.58	0.00	3,419.10
MW - 3	07/02/19	3,464.68	-	45.54	0.00	3,419.14
MW - 3	07/30/19	3,464.68	-	45.66	0.00	3,419.02
MW - 3	08/21/19	3,464.68	-	45.71	0.00	3,418.97
MW - 3	12/10/19	3,464.68	-	45.44	0.00	3,419.24
MW - 3	01/21/20	3,464.68	-	45.49	0.00	3,419.19

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 3	02/25/20	3,464.68	-	45.49	0.00	3,419.19
MW - 3	06/03/20	3,464.68	-	45.47	0.00	3,419.21
MW - 3	09/21/20	3,464.68	-	45.76	0.00	3,418.92
MW - 3	11/13/20	3,464.68	-	45.80	0.00	3,418.88
MW - 3	03/26/21	3,464.68	-	45.75	0.00	3,418.93
MW - 3	05/14/21	3,464.68	-	45.72	0.00	3,418.96
MW - 3	09/08/21	3,464.68	-	45.86	0.00	3,418.82
MW - 3	12/08/21	3,464.68	-	45.94	0.00	3,418.74
MW - 3	12/13/21	3,464.68	-	45.97	0.00	3,418.71
MW - 3	03/16/22	3,464.68	-	45.99	0.00	3,418.69
MW - 3	05/19/22	3,464.68	-	45.96	0.00	3,418.72
MW - 3	09/07/22	3,464.68	-	46.11	0.00	3,418.57
MW - 3	12/01/22	3,464.68	-	46.14	0.00	3,418.54
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
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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	02/26/14	3,465.76	-	46.58	0.00	3,419.18
MW - 4	05/12/14	3,465.76	-	46.60	0.00	3,419.16
MW - 4	07/23/14	3,465.76	-	46.73	0.00	3,419.03

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	08/11/14	3,465.76	-	46.78	0.00	3,418.98
MW - 4	10/28/14	3,465.76	-	46.33	0.00	3,419.43
MW - 4	11/15/14	3,465.76	-	46.32	0.00	3,419.44
MW - 4	12/18/14	3,465.76	-	46.31	0.00	3,419.45
MW - 4	02/18/15	3,465.76	-	46.27	0.00	3,419.49
MW - 4	03/19/15	3,465.76	-	45.28	0.00	3,420.48
MW - 4	04/16/15	3,465.76	-	46.26	0.00	3,419.50
MW - 4	05/28/15	3,465.76	-	46.30	0.00	3,419.46
MW - 4	07/21/15	3,465.76	-	46.47	0.00	3,419.29
MW - 4	08/20/15	3,465.76	-	46.54	0.00	3,419.22
MW - 4	09/11/15	3,465.76	-	46.53	0.00	3,419.23
MW - 4	10/15/15	3,465.76	-	46.50	0.00	3,419.26
MW - 4	11/30/15	3,465.76	-	46.43	0.00	3,419.33
MW - 4	12/11/15	3,465.76	-	46.39	0.00	3,419.37
MW - 4	01/19/16	3,465.76	-	46.40	0.00	3,419.36
MW - 4	02/25/16	3,465.76	-	46.43	0.00	3,419.33
MW - 4	03/17/16	3,465.76	-	46.38	0.00	3,419.38
MW - 4	04/13/16	3,465.76	-	46.39	0.00	3,419.37
MW - 4	06/02/16	3,465.76	-	46.45	0.00	3,419.31
MW - 4	06/30/16	3,465.76	-	46.51	0.00	3,419.25
MW - 4	07/26/16	3,465.76	-	46.61	0.00	3,419.15
MW - 4	09/12/16	3,465.76	-	46.37	0.00	3,419.39
MW - 4	10/12/16	3,465.76	-	46.26	0.00	3,419.50
MW - 4	12/01/16	3,465.76	-	46.30	0.00	3,419.46
MW - 4	12/28/16	3,465.76	-	46.31	0.00	3,419.45
MW - 4	01/25/17	3,465.76	-	46.36	0.00	3,419.40
MW - 4	02/23/17	3,465.76	-	46.32	0.00	3,419.44
MW - 4	03/30/17	3,465.76	-	46.31	0.00	3,419.45
MW - 4	04/11/17	3,465.76	-	46.31	0.00	3,419.45
MW - 4	05/04/17	3,465.76	-	46.31	0.00	3,419.45
MW - 4	06/07/17	3,465.76	-	46.34	0.00	3,419.42
MW - 4	07/06/17	3,465.76	-	46.33	0.00	3,419.43
MW - 4	08/23/17	3,465.76	-	46.53	0.00	3,419.23
MW - 4	10/09/17	3,465.76	-	46.59	0.00	3,419.17
MW - 4	11/29/17	3,465.76	-	46.61	0.00	3,419.15
MW - 4	12/26/17	3,465.76	-	46.63	0.00	3,419.13
MW - 4	02/28/18	3,465.76	-	46.65	0.00	3,419.11
MW - 4	05/24/18	3,465.76	-	46.69	0.00	3,419.07
MW - 4	06/28/18	3,465.76	-	46.76	0.00	3,419.00
MW - 4	08/21/18	3,465.76	-	46.88	0.00	3,418.88

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	12/05/18	3,465.76	-	46.95	0.00	3,418.81
MW - 4	12/31/18	3,465.76	-	46.97	0.00	3,418.79
MW - 4	01/18/19	3,465.76	-	46.94	0.00	3,418.82
MW - 4	02/25/19	3,465.76	-	46.95	0.00	3,418.81
MW - 4	05/21/19	3,465.76	-	46.78	0.00	3,418.98
MW - 4	07/02/19	3,465.76	-	46.81	0.00	3,418.95
MW - 4	07/30/19	3,465.76	-	46.87	0.00	3,418.89
MW - 4	08/21/19	3,465.76	-	46.92	0.00	3,418.84
MW - 4	12/10/19	3,465.76	-	46.75	0.00	3,419.01
MW - 4	01/21/20	3,465.76	-	46.75	0.00	3,419.01
MW - 4	02/25/20	3,465.76	-	46.74	0.00	3,419.02
MW - 4	06/02/20	3,465.76	-	46.68	0.00	3,419.08
MW - 4	09/21/20	3,465.76	-	46.96	0.00	3,418.80
MW - 4	11/13/20	3,465.76	-	47.00	0.00	3,418.76
MW - 4	03/25/21	3,465.76	-	46.96	0.00	3,418.80
MW - 4	05/14/21	3,465.76	-	46.92	0.00	3,418.84
MW - 4	09/07/21	3,465.76	-	47.05	0.00	3,418.71
MW - 4	12/08/21	3,465.76	-	47.16	0.00	3,418.60
MW - 4	12/13/21	3,465.76	-	47.18	0.00	3,418.58
MW - 4	03/16/22	3,465.76	-	47.18	0.00	3,418.58
MW - 4	05/19/22	3,465.76	-	47.16	0.00	3,418.60
MW - 4	09/06/22	3,465.76	-	47.30	0.00	3,418.46
MW - 4	11/30/22	3,465.76	-	47.35	0.00	3,418.41
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
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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	02/26/14	3,467.40	-	48.31	0.00	3,419.09
MW - 5	05/12/14	3,467.40	-	48.33	0.00	3,419.07
MW - 5	07/23/14	3,467.40	-	48.46	0.00	3,418.94
MW - 5	08/11/14	3,467.40	-	48.50	0.00	3,418.90
MW - 5	10/28/14	3,467.40	-	48.04	0.00	3,419.36
MW - 5	11/15/14	3,467.40	-	48.01	0.00	3,419.39
MW - 5	02/18/15	3,467.40	-	47.97	0.00	3,419.43
MW - 5	03/19/15	3,467.40	-	47.99	0.00	3,419.41
MW - 5	04/16/15	3,467.40	-	47.98	0.00	3,419.42
MW - 5	05/28/15	3,467.40	-	48.03	0.00	3,419.37
MW - 5	07/21/15	3,467.40	-	48.20	0.00	3,419.20
MW - 5	08/20/15	3,467.40	-	48.27	0.00	3,419.13
MW - 5	09/11/15	3,467.40	-	48.28	0.00	3,419.12
MW - 5	10/15/15	3,467.40	-	48.24	0.00	3,419.16
MW - 5	11/30/15	3,467.40	-	48.17	0.00	3,419.23
MW - 5	12/11/15	3,467.40	-	48.15	0.00	3,419.25
MW - 5	01/19/16	3,467.40	-	48.14	0.00	3,419.26
MW - 5	02/25/16	3,467.40	-	48.16	0.00	3,419.24
MW - 5	03/17/16	3,467.40	-	48.12	0.00	3,419.28
MW - 5	04/13/16	3,467.40	-	48.13	0.00	3,419.27
MW - 5	06/02/16	3,467.40	-	48.19	0.00	3,419.21
MW - 5	06/30/16	3,467.40	-	48.27	0.00	3,419.13
MW - 5	07/26/16	3,467.40	-	48.34	0.00	3,419.06
MW - 5	08/23/16	3,467.40	-	48.30	0.00	3,419.10
MW - 5	09/12/16	3,467.40	-	48.11	0.00	3,419.29
MW - 5	10/12/16	3,467.40	-	47.97	0.00	3,419.43
MW - 5	12/01/16	3,467.40	-	48.04	0.00	3,419.36
MW - 5	12/28/16	3,467.40	-	48.05	0.00	3,419.35
MW - 5	01/25/17	3,467.40	-	48.10	0.00	3,419.30
MW - 5	02/23/17	3,467.40	-	48.02	0.00	3,419.38
MW - 5	03/30/17	3,467.40	-	48.04	0.00	3,419.36
MW - 5	04/11/17	3,467.40	-	48.07	0.00	3,419.33
MW - 5	05/04/17	3,467.40	-	48.05	0.00	3,419.35
MW - 5	06/07/17	3,467.40	-	48.09	0.00	3,419.31
MW - 5	07/06/17	3,467.40	-	48.13	0.00	3,419.27
MW - 5	08/23/17	3,467.40	-	48.25	0.00	3,419.15

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	10/09/17	3,467.40	-	48.31	0.00	3,419.09
MW - 5	11/29/17	3,467.40	-	48.34	0.00	3,419.06
MW - 5	12/26/17	3,467.40	-	48.37	0.00	3,419.03
MW - 5	02/28/18	3,467.40	-	48.39	0.00	3,419.01
MW - 5	05/24/18	3,467.40	-	48.44	0.00	3,418.96
MW - 5	06/28/18	3,467.40	-	48.51	0.00	3,418.89
MW - 5	08/21/18	3,467.40	-	48.62	0.00	3,418.78
MW - 5	12/05/18	3,467.40	-	48.64	0.00	3,418.76
MW - 5	12/31/18	3,467.40	-	48.68	0.00	3,418.72
MW - 5	01/18/19	3,467.40	-	48.64	0.00	3,418.76
MW - 5	02/25/19	3,467.40	-	48.64	0.00	3,418.76
MW - 5	05/21/19	3,467.40	-	47.08	0.00	3,420.32
MW - 5	07/02/19	3,467.40	-	48.53	0.00	3,418.87
MW - 5	07/30/19	3,467.40	-	48.61	0.00	3,418.79
MW - 5	08/21/19	3,467.40	-	48.64	0.00	3,418.76
MW - 5	12/10/19	3,467.40	-	48.45	0.00	3,418.95
MW - 5	01/21/20	3,467.40	-	48.45	0.00	3,418.95
MW - 5	02/25/20	3,467.40	-	48.43	0.00	3,418.97
MW - 5	06/02/20	3,467.40	-	48.40	0.00	3,419.00
MW - 5	09/21/20	3,467.40	-	48.68	0.00	3,418.72
MW - 5	11/13/20	3,467.40	-	48.73	0.00	3,418.67
MW - 5	03/25/21	3,467.40	-	48.68	0.00	3,418.72
MW - 5	05/14/21	3,467.40	-	48.63	0.00	3,418.77
MW - 5	09/07/21	3,467.40	-	48.77	0.00	3,418.63
MW - 5	12/08/21	3,467.40	-	48.88	0.00	3,418.52
MW - 5	12/13/21	3,467.40	-	48.90	0.00	3,418.50
MW - 5	03/16/22	3,467.40	-	48.93	0.00	3,418.47
MW - 5	05/19/22	3,467.40	-	48.86	0.00	3,418.54
MW - 5	09/06/22	3,467.40	-	49.02	0.00	3,418.38
MW - 5	11/30/22	3,467.40	-	49.06	0.00	3,418.34
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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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	06/25/02	3,465.42	46.38	46.81	0.43	3,418.98
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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
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	01/23/14	3,465.42	45.75	47.80	2.05	3,419.36
MW - 6	01/28/14	3,465.42	45.75	47.61	1.86	3,419.39
MW - 6	02/11/14	3,465.42	45.73	47.74	2.01	3,419.39
MW - 6	02/26/14	3,465.42	45.71	47.75	2.04	3,419.40
MW - 6	03/21/14	3,465.42	45.65	47.70	2.05	3,419.46
MW - 6	03/29/14	3,465.42	45.68	47.61	1.93	3,419.45
MW - 6	05/01/14	3,465.42	45.73	47.72	1.99	3,419.39
MW - 6	05/06/14	3,465.42	45.76	47.32	1.56	3,419.43
MW - 6	05/12/14	3,465.42	45.76	47.48	1.72	3,419.40
MW - 6	05/23/14	3,465.42	45.72	47.71	1.99	3,419.40
MW - 6	06/05/14	3,465.42	45.72	47.83	2.11	3,419.38
MW - 6	06/26/14	3,465.42	45.79	47.82	2.03	3,419.33
MW - 6	07/01/14	3,465.42	45.85	47.76	1.91	3,419.28
MW - 6	07/08/14	3,465.42	45.81	47.92	2.11	3,419.29
MW - 6	07/17/14	3,465.42	45.84	47.96	2.12	3,419.26

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	07/23/14	3,465.42	45.87	47.90	2.03	3,419.25
MW - 6	08/06/14	3,465.42	45.85	47.85	2.00	3,419.27
MW - 6	08/11/14	3,465.42	45.92	47.81	1.89	3,419.22
MW - 6	08/21/14	3,465.42	45.88	47.10	1.22	3,419.36
MW - 6	09/04/14	3,465.42	45.88	48.18	2.30	3,419.20
MW - 6	10/02/14	3,465.42	45.33	46.28	0.95	3,419.95
MW - 6	10/08/14	3,465.42	45.39	46.26	0.87	3,419.90
MW - 6	10/15/14	3,465.42	45.48	46.33	0.85	3,419.81
MW - 6	10/16/14	3,465.42	45.52	45.97	0.45	3,419.83
MW - 6	10/23/14	3,465.42	45.51	46.34	0.83	3,419.79
MW - 6	10/24/14	3,465.42	45.51	46.34	0.83	3,419.79
MW - 6	10/28/14	3,465.42	45.54	46.33	0.79	3,419.76
MW - 6	11/07/14	3,465.42	45.52	46.48	0.96	3,419.76
MW - 6	11/15/14	3,465.42	45.50	46.46	0.96	3,419.78
MW - 6	12/11/14	3,465.42	45.52	45.96	0.44	3,419.83
MW - 6	12/18/14	3,465.42	45.50	46.59	1.09	3,419.76
MW - 6	01/07/15	3,465.42	45.56	46.58	1.02	3,419.71
MW - 6	01/15/15	3,465.42	45.56	46.56	1.00	3,419.71
MW - 6	01/28/15	3,465.42	45.56	46.61	1.05	3,419.70
MW - 6	02/04/15	3,465.42	45.50	46.59	1.09	3,419.76
MW - 6	02/13/15	3,465.42	45.51	46.58	1.07	3,419.75
MW - 6	02/17/15	3,465.42	45.51	46.62	1.11	3,419.74
MW - 6	02/18/15	3,465.42	45.52	46.47	0.95	3,419.76
MW - 6	02/24/15	3,465.42	45.50	46.56	1.06	3,419.76
MW - 6	03/10/15	3,465.42	45.52	46.62	1.10	3,419.74
MW - 6	03/17/15	3,465.42	45.53	46.60	1.07	3,419.73
MW - 6	03/19/15	3,465.42	45.51	46.59	1.08	3,419.75
MW - 6	03/25/15	3,465.42	45.50	46.62	1.12	3,419.75
MW - 6	04/07/15	3,465.42	45.52	46.65	1.13	3,419.73
MW - 6	04/14/15	3,465.42	45.52	46.63	1.11	3,419.73
MW - 6	04/16/15	3,465.42	45.49	46.63	1.14	3,419.76
MW - 6	04/21/15	3,465.42	45.52	46.64	1.12	3,419.73
MW - 6	05/06/15	3,465.42	45.51	46.61	1.10	3,419.75
MW - 6	05/20/15	3,465.42	45.53	45.65	0.12	3,419.87
MW - 6	05/28/15	3,465.42	45.54	46.70	1.16	3,419.71
MW - 6	06/02/15	3,465.42	45.54	46.74	1.20	3,419.70
MW - 6	06/09/15	3,465.42	45.58	46.77	1.19	3,419.66
MW - 6	06/18/15	3,465.42	45.59	46.76	1.17	3,419.65
MW - 6	07/03/15	3,465.42	45.61	47.04	1.43	3,419.60
MW - 6	07/06/15	3,465.42	45.58	46.98	1.40	3,419.63

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	07/17/15	3,465.42	45.60	47.09	1.49	3,419.60
MW - 6	07/21/15	3,465.42	45.62	47.16	1.54	3,419.57
MW - 6	07/28/15	3,465.42	45.63	47.15	1.52	3,419.56
MW - 6	08/05/15	3,465.42	45.64	47.21	1.57	3,419.54
MW - 6	08/11/15	3,465.42	45.65	47.24	1.59	3,419.53
MW - 6	08/12/15	3,465.42	46.82	46.88	0.06	3,418.59
MW - 6	08/20/15	3,465.42	45.65	47.53	1.88	3,419.49
MW - 6	08/21/15	3,465.42	45.65	47.53	1.88	3,419.49
MW - 6	08/27/15	3,465.42	45.69	47.50	1.81	3,419.46
MW - 6	09/01/15	3,465.42	45.70	47.42	1.72	3,419.46
MW - 6	09/09/15	3,465.42	45.70	47.44	1.74	3,419.46
MW - 6	09/11/15	3,465.42	45.71	47.44	1.73	3,419.45
MW - 6	09/17/15	3,465.42	45.71	47.40	1.69	3,419.46
MW - 6	09/30/15	3,465.42	45.68	46.13	0.45	3,419.67
MW - 6	10/07/15	3,465.42	45.68	47.42	1.74	3,419.48
MW - 6	10/13/15	3,465.42	45.68	47.49	1.81	3,419.47
MW - 6	10/15/15	3,465.42	45.72	47.10	1.38	3,419.49
MW - 6	10/26/15	3,465.42	45.65	47.35	1.70	3,419.52
MW - 6	11/05/15	3,465.42	45.62	47.21	1.59	3,419.56
MW - 6	11/09/15	3,465.42	45.63	47.05	1.42	3,419.58
MW - 6	11/30/15	3,465.42	45.61	47.24	1.63	3,419.57
MW - 6	12/01/15	3,465.42	45.61	47.23	1.62	3,419.57
MW - 6	12/09/15	3,465.42	45.60	47.21	1.61	3,419.58
MW - 6	12/11/15	3,465.42	45.64	46.84	1.20	3,419.60
MW - 6	12/15/15	3,465.42	45.63	47.25	1.62	3,419.55
MW - 6	12/24/15	3,465.42	45.59	47.13	1.54	3,419.60
MW - 6	01/06/16	3,465.42	45.58	47.11	1.53	3,419.61
MW - 6	01/15/16	3,465.42	45.58	47.17	1.59	3,419.60
MW - 6	01/19/16	3,465.42	45.59	47.17	1.58	3,419.59
MW - 6	01/28/16	3,465.42	45.59	47.17	1.58	3,419.59
MW - 6	02/03/16	3,465.42	45.60	47.17	1.57	3,419.58
MW - 6	02/11/16	3,465.42	45.57	47.15	1.58	3,419.61
MW - 6	02/19/16	3,465.42	45.58	47.60	2.02	3,419.54
MW - 6	02/23/16	3,465.42	45.60	47.11	1.51	3,419.59
MW - 6	02/25/16	3,465.42	45.62	47.11	1.49	3,419.58
MW - 6	03/01/16	3,465.42	45.60	47.13	1.53	3,419.59
MW - 6	03/08/16	3,465.42	45.60	46.97	1.37	3,419.61
MW - 6	03/16/16	3,465.42	45.57	47.02	1.45	3,419.63
MW - 6	03/17/16	3,465.42	45.59	47.02	1.43	3,419.62
MW - 6	03/24/16	3,465.42	45.59	47.08	1.49	3,419.61

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	03/29/16	3,465.42	45.55	47.05	1.50	3,419.65
MW - 6	04/05/16	3,465.42	45.58	47.10	1.52	3,419.61
MW - 6	04/13/16	3,465.42	45.57	47.10	1.53	3,419.62
MW - 6	04/18/16	3,465.42	45.59	47.15	1.56	3,419.60
MW - 6	04/25/16	3,465.42	45.58	47.09	1.51	3,419.61
MW - 6	05/03/16	3,465.42	45.58	47.08	1.50	3,419.62
MW - 6	05/12/16	3,465.42	45.58	47.12	1.54	3,419.61
MW - 6	05/27/16	3,465.42	45.60	47.20	1.60	3,419.58
MW - 6	06/02/16	3,465.42	45.62	47.17	1.55	3,419.57
MW - 6	06/06/16	3,465.42	45.61	47.24	1.63	3,419.57
MW - 6	06/30/16	3,465.42	45.65	47.48	1.83	3,419.50
MW - 6	07/05/16	3,465.42	45.61	47.52	1.91	3,419.52
MW - 6	07/14/16	3,465.42	45.69	47.66	1.97	3,419.43
MW - 6	07/19/16	3,465.42	45.74	47.50	1.76	3,419.42
MW - 6	07/26/16	3,465.42	45.75	47.58	1.83	3,419.40
MW - 6	08/03/16	3,465.42	45.74	47.65	1.91	3,419.39
MW - 6	08/10/16	3,465.42	45.75	47.80	2.05	3,419.36
MW - 6	08/15/16	3,465.42	45.76	47.80	2.04	3,419.35
MW - 6	08/23/16	3,465.42	45.69	47.72	2.03	3,419.43
MW - 6	09/12/16	3,465.42	45.57	46.97	1.40	3,419.64
MW - 6	10/07/16	3,465.42	45.45	46.42	0.97	3,419.82
MW - 6	10/12/16	3,465.42	45.46	46.43	0.97	3,419.81
MW - 6	10/19/16	3,465.42	45.51	46.48	0.97	3,419.76
MW - 6	10/28/16	3,465.42	45.52	46.55	1.03	3,419.75
MW - 6	11/03/16	3,465.42	45.53	46.58	1.05	3,419.73
MW - 6	11/11/16	3,465.42	45.53	46.65	1.12	3,419.72
MW - 6	11/15/16	3,465.42	45.50	46.64	1.14	3,419.75
MW - 6	12/01/16	3,465.42	45.53	46.75	1.22	3,419.71
MW - 6	12/06/16	3,465.42	45.59	46.79	1.20	3,419.65
MW - 6	12/13/16	3,465.42	45.54	46.81	1.27	3,419.69
MW - 6	12/21/16	3,465.42	45.54	46.83	1.29	3,419.69
MW - 6	12/28/16	3,465.42	45.53	46.82	1.29	3,419.70
MW - 6	01/03/17	3,465.42	45.54	46.88	1.34	3,419.68
MW - 6	01/09/17	3,465.42	45.55	46.88	1.33	3,419.67
MW - 6	01/17/17	3,465.42	45.54	46.84	1.30	3,419.69
MW - 6	01/25/17	3,465.42	45.57	46.90	1.33	3,419.65
MW - 6	02/01/17	3,465.42	45.54	46.88	1.34	3,419.68
MW - 6	02/07/17	3,465.42	45.55	46.89	1.34	3,419.67
MW - 6	02/16/17	3,465.42	45.55	46.81	1.26	3,419.68
MW - 6	02/23/17	3,465.42	45.55	46.78	1.23	3,419.69

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	03/03/17	3,465.42	45.57	46.86	1.29	3,419.66
MW - 6	03/07/17	3,465.42	45.57	46.72	1.15	3,419.68
MW - 6	03/14/17	3,465.42	45.54	46.74	1.20	3,419.70
MW - 6	03/24/17	3,465.42	45.56	46.78	1.22	3,419.68
MW - 6	03/30/17	3,465.42	45.53	46.80	1.27	3,419.70
MW - 6	04/04/17	3,465.42	45.52	46.75	1.23	3,419.72
MW - 6	04/11/17	3,465.42	45.56	46.88	1.32	3,419.66
MW - 6	04/21/17	3,465.42	45.53	46.79	1.26	3,419.70
MW - 6	04/27/17	3,465.42	45.54	46.74	1.20	3,419.70
MW - 6	05/04/17	3,465.42	45.56	46.77	1.21	3,419.68
MW - 6	05/09/17	3,465.42	45.56	46.81	1.25	3,419.67
MW - 6	05/18/17	3,465.42	45.55	46.80	1.25	3,419.68
MW - 6	05/25/17	3,465.42	45.56	46.77	1.21	3,419.68
MW - 6	06/02/17	3,465.42	45.57	46.71	1.14	3,419.68
MW - 6	06/07/17	3,465.42	45.60	46.84	1.24	3,419.63
MW - 6	06/13/17	3,465.42	45.59	46.51	0.92	3,419.69
MW - 6	06/20/17	3,465.42	45.67	47.16	1.49	3,419.53
MW - 6	07/06/17	3,465.42	45.61	47.14	1.53	3,419.58
MW - 6	07/13/17	3,465.42	45.63	45.89	0.26	3,419.75
MW - 6	07/18/17	3,465.42	45.64	47.24	1.60	3,419.54
MW - 6	08/10/17	3,465.42	45.60	45.77	0.17	3,419.79
MW - 6	08/18/17	3,465.42	45.68	47.48	1.80	3,419.47
MW - 6	08/23/17	3,465.42	45.70	45.86	0.16	3,419.70
MW - 6	09/01/17	3,465.42	45.67	45.95	0.28	3,419.71
MW - 6	09/07/17	3,465.42	45.69	47.59	1.90	3,419.45
MW - 6	09/14/17	3,465.42	45.68	47.45	1.77	3,419.47
MW - 6	09/21/17	3,465.42	45.72	47.48	1.76	3,419.44
MW - 6	10/09/17	3,465.42	45.69	46.57	0.88	3,419.60
MW - 6	10/20/17	3,465.42	45.71	47.52	1.81	3,419.44
MW - 6	10/26/17	3,465.42	45.73	47.69	1.96	3,419.40
MW - 6	10/31/17	3,465.42	45.51	47.69	2.18	3,419.58
MW - 6	11/17/17	3,465.42	45.71	47.61	1.90	3,419.43
MW - 6	11/29/17	3,465.42	45.72	47.65	1.93	3,419.41
MW - 6	12/08/17	3,465.42	45.72	47.71	1.99	3,419.40
MW - 6	12/15/17	3,465.42	45.75	47.63	1.88	3,419.39
MW - 6	12/21/17	3,465.42	45.75	47.48	1.73	3,419.41
MW - 6	12/26/17	3,465.42	45.79	47.45	1.66	3,419.38
MW - 6	01/04/18	3,465.42	45.76	47.63	1.87	3,419.38
MW - 6	01/15/18	3,465.42	45.80	47.39	1.59	3,419.38
MW - 6	01/26/18	3,465.42	45.78	47.63	1.85	3,419.36

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	02/02/18	3,465.42	45.78	47.62	1.84	3,419.36
MW - 6	02/09/18	3,465.42	45.76	47.52	1.76	3,419.40
MW - 6	02/16/18	3,465.42	45.80	47.58	1.78	3,419.35
MW - 6	02/23/18	3,465.42	45.81	47.53	1.72	3,419.35
MW - 6	02/28/18	3,465.42	45.81	47.44	1.63	3,419.37
MW - 6	03/05/18	3,465.42	45.83	47.39	1.56	3,419.36
MW - 6	03/16/18	3,465.42	45.80	47.63	1.83	3,419.35
MW - 6	03/28/18	3,465.42	45.80	47.50	1.70	3,419.37
MW - 6	04/06/18	3,465.42	45.80	47.60	1.80	3,419.35
MW - 6	04/11/18	3,465.42	45.81	47.40	1.59	3,419.37
MW - 6	04/18/18	3,465.42	45.85	47.52	1.67	3,419.32
MW - 6	04/25/18	3,465.42	45.86	47.53	1.67	3,419.31
MW - 6	05/04/18	3,465.42	45.84	47.60	1.76	3,419.32
MW - 6	05/10/18	3,465.42	45.84	47.48	1.64	3,419.33
MW - 6	05/18/18	3,465.42	45.84	47.62	1.78	3,419.31
MW - 6	05/24/18	3,465.42	45.85	47.58	1.73	3,419.31
MW - 6	06/01/18	3,465.42	45.82	47.83	2.01	3,419.30
MW - 6	06/14/18	3,465.42	45.82	47.87	2.05	3,419.29
MW - 6	06/22/18	3,465.42	45.84	47.85	2.01	3,419.28
MW - 6	06/28/18	3,465.42	45.88	47.66	1.78	3,419.27
MW - 6	07/03/18	3,465.42	45.90	47.71	1.81	3,419.25
MW - 6	07/12/18	3,465.42	45.91	47.53	1.62	3,419.27
MW - 6	07/20/18	3,465.42	45.94	47.99	2.05	3,419.17
MW - 6	07/25/18	3,465.42	45.95	47.88	1.93	3,419.18
MW - 6	08/08/18	3,465.42	45.94	48.20	2.26	3,419.14
MW - 6	08/21/18	3,465.42	45.95	48.21	2.26	3,419.13
MW - 6	08/28/18	3,465.42	45.96	48.35	2.39	3,419.10
MW - 6	09/13/18	3,465.42	45.98	48.38	2.40	3,419.08
MW - 6	09/18/18	3,465.42	46.03	48.11	2.08	3,419.08
MW - 6	09/26/18	3,465.42	46.06	48.10	2.04	3,419.05
MW - 6	10/10/18	3,465.42	45.99	48.27	2.28	3,419.09
MW - 6	10/03/18	3,465.42	46.05	48.00	1.95	3,419.08
MW - 6	11/08/18	3,465.42	45.98	48.53	2.55	3,419.06
MW - 6	11/19/18	3,465.42	46.01	48.30	2.29	3,419.07
MW - 6	12/05/18	3,465.42	46.01	48.32	2.31	3,419.06
MW - 6	12/17/18	3,465.42	46.02	48.24	2.22	3,419.07
MW - 6	12/31/18	3,465.42	46.01	48.12	2.11	3,419.09
MW - 6	01/18/19	3,465.42	45.99	48.29	2.30	3,419.09
MW - 6	02/08/19	3,465.42	45.99	48.39	2.40	3,419.07
MW - 6	03/08/19	3,465.42	45.97	48.20	2.23	3,419.12

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	04/03/19	3,465.42	45.96	48.09	2.13	3,419.14
MW - 6	04/15/19	3,465.42	45.94	47.93	1.99	3,419.18
MW - 6	05/01/19	3,465.42	45.92	47.93	2.01	3,419.20
MW - 6	05/15/19	3,465.42	45.91	47.84	1.93	3,419.22
MW - 6	05/21/19	3,465.42	45.93	47.66	1.73	3,419.23
MW - 6	05/27/19	3,465.42	45.90	47.78	1.88	3,419.24
MW - 6	06/21/19	3,465.42	45.86	47.93	2.07	3,419.25
MW - 6	07/02/19	3,465.42	45.92	48.00	2.08	3,419.19
MW - 6	07/17/19	3,465.42	45.95	48.17	2.22	3,419.14
MW - 6	07/30/19	3,465.42	46.00	48.13	2.13	3,419.10
MW - 6	08/09/19	3,465.42	46.03	48.13	2.10	3,419.08
MW - 6	08/21/19	3,465.42	46.01	48.43	2.42	3,419.05
MW - 6	10/25/19	3,465.42	45.78	48.12	2.34	3,419.29
MW - 6	11/05/19	3,465.42	46.01	48.04	2.03	3,419.11
MW - 6	12/10/19	3,465.42	45.83	48.03	2.20	3,419.26
MW - 6	12/16/19	3,465.42	45.42	48.12	2.70	3,419.60
MW - 6	01/02/20	3,465.42	45.84	47.95	2.11	3,419.26
MW - 6	01/10/20	3,465.42	45.87	47.63	1.76	3,419.29
MW - 6	01/21/20	3,465.42	45.87	47.64	1.77	3,419.28
MW - 6	02/04/20	3,465.42	45.87	47.75	1.88	3,419.27
MW - 6	02/18/20	3,465.42	45.86	47.72	1.86	3,419.28
MW - 6	02/25/20	3,465.42	45.90	47.52	1.62	3,419.28
MW - 6	06/03/20	3,465.42	45.78	48.03	2.25	3,419.30
MW - 6	09/21/20	3,465.42	45.99	48.82	2.83	3,419.01
MW - 6	10/12/20	3,465.42	46.00	48.90	2.90	3,418.99
MW - 6	11/13/20	3,465.42	46.02	48.79	2.77	3,418.98
MW - 6	03/26/21	3,465.42	45.97	48.75	2.78	3,419.03
MW - 6	04/20/21	3,465.42	45.97	48.80	2.83	3,419.03
MW - 6	05/13/21	3,465.42	45.98	48.54	2.56	3,419.06
MW - 6	06/14/21	3,465.42	45.96	48.78	2.82	3,419.04
MW - 6	08/12/21	3,465.42	46.08	48.97	2.89	3,418.91
MW - 6	09/08/21	3,465.42	46.11	48.93	2.82	3,418.89
MW - 6	10/21/21	3,465.42	46.15	49.22	3.07	3,418.81
MW - 6	12/08/21	3,465.42	46.29	48.53	2.24	3,418.79
MW - 6	12/13/21	3,465.42	46.26	48.53	2.27	3,418.82
MW - 6	01/21/22	3,465.42	46.21	49.16	2.95	3,418.77
MW - 6	03/16/22	3,465.42	46.18	49.15	2.97	3,418.79
MW - 6	03/29/22	3,465.42	46.22	48.72	2.50	3,418.83
MW - 6	04/27/22	3,465.42	46.18	48.70	2.52	3,418.86
MW - 6	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
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	07/01/22	3,465.42	46.28	49.01	2.73	3,418.73
MW - 6	09/07/22	3,465.42	46.30	49.62	3.32	3,418.62
MW - 6	12/01/22	3,465.42	46.34	49.70	3.36	3,418.58
MW - 6	12/27/22	3,465.42	46.33	49.60	3.27	3,418.60
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	PLUGGED & ABANDONED				
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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	02/26/14	3,467.61	-	48.28	0.00	3,419.33
MW - 8	05/12/14	3,467.61	-	48.28	0.00	3,419.33
MW - 8	07/23/14	3,467.61	-	48.43	0.00	3,419.18
MW - 8	08/11/14	3,467.61	-	48.47	0.00	3,419.14
MW - 8	10/28/14	3,467.61	-	47.97	0.00	3,419.64
MW - 8	11/15/14	3,467.61	-	47.94	0.00	3,419.67
MW - 8	02/18/15	3,467.61	-	47.95	0.00	3,419.66
MW - 8	03/19/15	3,467.61	-	47.95	0.00	3,419.66
MW - 8	04/16/15	3,467.61	-	47.94	0.00	3,419.67
MW - 8	05/28/15	3,467.61	-	47.97	0.00	3,419.64
MW - 8	07/21/15	3,467.61	-	48.15	0.00	3,419.46
MW - 8	08/20/15	3,467.61	-	48.22	0.00	3,419.39
MW - 8	09/11/15	3,467.61	-	48.24	0.00	3,419.37
MW - 8	10/15/15	3,467.61	-	48.21	0.00	3,419.40
MW - 8	11/30/15	3,467.61	-	48.12	0.00	3,419.49
MW - 8	12/11/15	3,467.61	-	48.08	0.00	3,419.53
MW - 8	01/19/16	3,467.61	-	48.08	0.00	3,419.53
MW - 8	02/25/16	3,467.61	-	48.11	0.00	3,419.50
MW - 8	03/17/16	3,467.61	-	48.08	0.00	3,419.53
MW - 8	04/13/16	3,467.61	-	48.07	0.00	3,419.54
MW - 8	06/02/16	3,467.61	-	48.14	0.00	3,419.47
MW - 8	06/30/16	3,467.61	-	48.22	0.00	3,419.39
MW - 8	07/26/16	3,467.61	-	48.29	0.00	3,419.32
MW - 8	08/23/16	3,467.61	-	48.26	0.00	3,419.35
MW - 8	09/12/16	3,467.61	-	48.06	0.00	3,419.55
MW - 8	10/12/16	3,467.61	-	47.93	0.00	3,419.68
MW - 8	12/01/16	3,467.61	-	47.99	0.00	3,419.62

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 8	12/28/16	3,467.61	-	48.01	0.00	3,419.60
MW - 8	01/25/17	3,467.61	-	48.07	0.00	3,419.54
MW - 8	02/23/17	3,467.61	-	47.98	0.00	3,419.63
MW - 8	03/30/17	3,467.61	-	48.01	0.00	3,419.60
MW - 8	04/11/17	3,467.61	-	48.02	0.00	3,419.59
MW - 8	05/04/17	3,467.61	-	48.02	0.00	3,419.59
MW - 8	06/07/17	3,467.61	-	48.08	0.00	3,419.53
MW - 8	07/06/17	3,467.61	-	48.13	0.00	3,419.48
MW - 8	08/23/17	3,467.61	-	48.22	0.00	3,419.39
MW - 8	10/09/17	3,467.61	-	48.26	0.00	3,419.35
MW - 8	11/29/17	3,467.61	-	48.29	0.00	3,419.32
MW - 8	12/26/17	3,467.61	-	48.32	0.00	3,419.29
MW - 8	02/28/18	3,467.61	-	48.32	0.00	3,419.29
MW - 8	05/24/18	3,467.61	-	48.39	0.00	3,419.22
MW - 8	06/28/18	3,467.61	-	48.43	0.00	3,419.18
MW - 8	08/21/18	3,467.61	-	48.55	0.00	3,419.06
MW - 8	12/05/18	3,467.61	-	48.59	0.00	3,419.02
MW - 8	12/31/18	3,467.61	-	48.62	0.00	3,418.99
MW - 8	01/18/19	3,467.61	-	48.58	0.00	3,419.03
MW - 8	02/25/19	3,467.61	-	48.58	0.00	3,419.03
MW - 8	05/21/19	3,467.61	-	48.46	0.00	3,419.15
MW - 8	07/02/19	3,467.61	-	48.49	0.00	3,419.12
MW - 8	07/30/19	3,467.61	-	48.56	0.00	3,419.05
MW - 8	08/21/19	3,467.61	-	48.60	0.00	3,419.01
MW - 8	12/10/19	3,467.61	-	48.41	0.00	3,419.01
MW - 8	01/21/20	3,467.61	-	48.41	0.00	3,419.01
MW - 8	02/25/20	3,467.61	-	48.40	0.00	3,419.21
MW - 8	06/02/20	3,467.61	-	48.37	0.00	3,419.24
MW - 8	09/21/20	3,467.61	-	48.65	0.00	3,418.96
MW - 8	11/13/20	3,467.61	-	48.68	0.00	3,419.01
MW - 8	03/25/21	3,467.61	-	48.63	0.00	3,418.98
MW - 8	05/13/21	3,467.61	-	48.61	0.00	3,419.00
MW - 8	09/07/21	3,467.61	-	48.75	0.00	3,418.86
MW - 8	12/08/21	3,467.61	-	48.82	0.00	3,418.79
MW - 8	12/13/21	3,467.61	-	48.85	0.00	3,418.76
MW - 8	03/16/22	3,467.61	-	48.87	0.00	3,418.74
MW - 8	05/19/22	3,467.61	-	48.84	0.00	3,418.77
MW - 8	09/06/22	3,467.61	-	48.99	0.00	3,418.62
MW - 8	12/02/22	3,467.61	-	49.00	0.00	3,418.61

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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	02/26/14	3,465.74	-	46.27	0.00	3,419.47
MW - 9	05/12/14	3,465.74	-	46.31	0.00	3,419.43
MW - 9	07/23/14	3,465.74	-	46.42	0.00	3,419.32
MW - 9	08/11/14	3,465.74	-	46.48	0.00	3,419.26
MW - 9	10/28/14	3,465.74	-	45.99	0.00	3,419.75
MW - 9	11/15/14	3,465.74	-	45.97	0.00	3,419.77
MW - 9	02/18/15	3,465.74	-	45.95	0.00	3,419.79
MW - 9	03/19/15	3,465.74	-	45.96	0.00	3,419.78
MW - 9	04/16/15	3,465.74	-	45.95	0.00	3,419.79
MW - 9	05/28/15	3,465.74	-	45.96	0.00	3,419.78
MW - 9	07/21/15	3,465.74	-	46.12	0.00	3,419.62
MW - 9	08/20/15	3,465.74	-	46.21	0.00	3,419.53
MW - 9	09/11/15	3,465.74	-	46.22	0.00	3,419.52
MW - 9	10/15/15	3,465.74	-	46.19	0.00	3,419.55
MW - 9	11/30/15	3,465.74	-	46.13	0.00	3,419.61
MW - 9	12/11/15	3,465.74	-	46.11	0.00	3,419.63
MW - 9	01/19/16	3,465.74	-	46.08	0.00	3,419.66
MW - 9	02/25/16	3,465.74	-	46.11	0.00	3,419.63
MW - 9	03/17/16	3,465.74	-	46.08	0.00	3,419.66
MW - 9	04/13/16	3,465.74	-	46.05	0.00	3,419.69
MW - 9	06/02/16	3,465.74	-	46.13	0.00	3,419.61
MW - 9	06/30/16	3,465.74	-	46.20	0.00	3,419.54
MW - 9	07/26/16	3,465.74	-	46.29	0.00	3,419.45
MW - 9	08/23/16	3,465.74	-	46.28	0.00	3,419.46
MW - 9	09/12/16	3,465.74	-	46.10	0.00	3,419.64
MW - 9	10/12/16	3,465.74	-	45.96	0.00	3,419.78
MW - 9	12/01/16	3,465.74	-	46.00	0.00	3,419.74
MW - 9	12/28/16	3,465.74	-	46.03	0.00	3,419.71
MW - 9	01/25/17	3,465.74	-	46.06	0.00	3,419.68
MW - 9	02/23/17	3,465.74	-	46.00	0.00	3,419.74

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 9	03/30/17	3,465.74	-	46.02	0.00	3,419.72
MW - 9	04/11/17	3,465.74	-	46.03	0.00	3,419.71
MW - 9	05/04/17	3,465.74	-	46.04	0.00	3,419.70
MW - 9	06/07/17	3,465.74	-	46.07	0.00	3,419.67
MW - 9	07/06/17	3,465.74	-	46.12	0.00	3,419.62
MW - 9	08/23/17	3,465.74	-	46.22	0.00	3,419.52
MW - 9	10/09/17	3,465.74	-	46.25	0.00	3,419.49
MW - 9	11/29/17	3,465.74	-	46.26	0.00	3,419.48
MW - 9	12/26/17	3,465.74	-	46.29	0.00	3,419.45
MW - 9	02/28/18	3,465.74	-	46.31	0.00	3,419.43
MW - 9	05/24/18	3,465.74	-	46.37	0.00	3,419.37
MW - 9	06/28/18	3,465.74	-	46.44	0.00	3,419.30
MW - 9	08/21/18	3,465.74	-	46.57	0.00	3,419.17
MW - 9	12/05/18	3,465.74	-	46.59	0.00	3,419.15
MW - 9	12/31/18	3,465.74	-	46.61	0.00	3,419.13
MW - 9	01/18/19	3,465.74	-	46.59	0.00	3,419.15
MW - 9	02/25/19	3,465.74	-	46.57	0.00	3,419.17
MW - 9	05/21/19	3,465.74	-	46.46	0.00	3,419.28
MW - 9	07/02/19	3,465.74	-	46.52	0.00	3,419.22
MW - 9	07/30/19	3,465.74	-	46.60	0.00	3,419.14
MW - 9	08/21/19	3,465.74	-	46.63	0.00	3,419.11
MW - 9	12/10/19	3,465.74	-	46.43	0.00	3,419.31
MW - 9	01/21/20	3,465.74	-	46.42	0.00	3,419.32
MW - 9	02/25/20	3,465.74	-	46.40	0.00	3,419.34
MW - 9	06/02/20	3,465.74	-	46.38	0.00	3,419.36
MW - 9	06/18/20	3,465.74	-	46.41	0.00	3,419.33
MW - 9	09/21/20	3,465.74	-	46.68	0.00	3,419.06
MW - 9	11/13/20	3,465.74	-	46.69	0.00	3,419.05
MW - 9	03/25/21	3,465.74	-	46.64	0.00	3,419.10
MW - 9	05/14/21	3,465.74	-	46.61	0.00	3,419.13
MW - 9	09/07/21	3,465.74	-	46.78	0.00	3,418.96
MW - 9	12/08/21	3,465.74	-	48.82	0.00	3,416.92
MW - 9	12/13/21	3,465.74	-	46.86	0.00	3,418.88
MW - 9	03/16/22	3,465.74	-	46.85	0.00	3,418.89
MW - 9	05/19/22	3,465.74	-	46.87	0.00	3,418.87
MW - 9	09/06/22	3,465.74	-	47.00	0.00	3,418.74
MW - 9	12/01/22	3,465.74	-	47.00	0.00	3,418.74
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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	3,466.15	-	45.98	0.00	3,420.17
MW - 10	03/09/05	3,466.15	-	46.09	0.00	3,420.06
MW - 10	06/09/05	3,466.15	-	46.12	0.00	3,420.03
MW - 10	08/09/05	3,466.15	-	45.64	0.00	3,420.51
MW - 10	09/01/05	3,466.15	-	45.82	0.00	3,420.33
MW - 10	09/08/05	3,466.15	-	45.90	0.00	3,420.25
MW - 10	09/13/05	PLUGGED & ABANDONED				
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	PLUGGED & ABANDONED				
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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
MW - 12	11/05/13	3466.69	-	47.43	0.00	3,419.26
MW - 12	02/26/14	3466.69	-	47.40	0.00	3,419.29
MW - 12	05/12/14	3466.69	-	47.45	0.00	3,419.24
MW - 12	06/18/14	3466.69	46.06	46.30	0.24	3,420.59
MW - 12	07/23/14	3466.69	-	47.57	0.00	3,419.12
MW - 12	08/11/14	3466.69	-	47.59	0.00	3,419.10
MW - 12	10/28/14	3466.69	-	47.12	0.00	3,419.57
MW - 12	11/15/14	3466.69	-	47.10	0.00	3,419.59
MW - 12	02/18/15	3466.69	-	47.09	0.00	3,419.60
MW - 12	03/19/15	3466.69	-	47.10	0.00	3,419.59
MW - 12	04/16/15	3466.69	-	47.09	0.00	3,419.60
MW - 12	05/28/15	3466.69	-	47.12	0.00	3,419.57
MW - 12	07/21/15	3466.69	-	47.26	0.00	3,419.43
MW - 12	08/20/15	3466.69	-	47.34	0.00	3,419.35
MW - 12	09/11/15	3466.69	-	47.35	0.00	3,419.34
MW - 12	10/15/15	3466.69	-	47.32	0.00	3,419.37
MW - 12	11/30/15	3466.69	-	47.27	0.00	3,419.42
MW - 12	12/11/15	3466.69	-	47.22	0.00	3,419.47
MW - 12	01/19/16	3466.69	-	47.22	0.00	3,419.47
MW - 12	02/25/16	3466.69	-	47.26	0.00	3,419.43
MW - 12	03/17/16	3466.69	-	47.22	0.00	3,419.47
MW - 12	04/13/16	3466.69	-	47.21	0.00	3,419.48
MW - 12	06/02/16	3466.69	-	47.28	0.00	3,419.41
MW - 12	06/30/16	3466.69	-	47.34	0.00	3,419.35
MW - 12	07/26/16	3466.69	-	47.43	0.00	3,419.26
MW - 12	08/23/16	3466.69	-	47.40	0.00	3,419.29
MW - 12	09/12/16	3466.69	-	47.22	0.00	3,419.47
MW - 12	10/12/16	3466.69	-	47.08	0.00	3,419.61
MW - 12	12/01/16	3466.69	-	47.14	0.00	3,419.55
MW - 12	12/28/16	3466.69	-	47.16	0.00	3,419.53
MW - 12	01/25/17	3466.69	-	47.21	0.00	3,419.48
MW - 12	02/23/17	3466.69	-	47.14	0.00	3,419.55
MW - 12	03/30/17	3466.69	-	47.15	0.00	3,419.54
MW - 12	04/11/17	3466.69	-	47.16	0.00	3,419.53
MW - 12	05/04/17	3466.69	-	47.18	0.00	3,419.51
MW - 12	06/07/17	3466.69	-	47.20	0.00	3,419.49
MW - 12	07/06/17	3466.69	-	47.27	0.00	3,419.42

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 12	08/23/17	3466.69	-	47.36	0.00	3,419.33
MW - 12	10/09/17	3466.69	-	47.39	0.00	3,419.30
MW - 12	11/29/17	3466.69	-	47.42	0.00	3,419.27
MW - 12	12/26/17	3466.69	-	47.44	0.00	3,419.25
MW - 12	02/28/18	3466.69	-	47.45	0.00	3,419.24
MW - 12	05/24/18	3466.69	-	47.51	0.00	3,419.18
MW - 12	06/28/18	3466.69	-	47.58	0.00	3,419.11
MW - 12	08/21/18	3466.69	-	47.69	0.00	3,419.00
MW - 12	12/05/18	3466.69	-	47.73	0.00	3,418.96
MW - 12	12/31/18	3466.69	-	47.76	0.00	3,418.93
MW - 12	01/18/19	3466.69	-	47.72	0.00	3,418.97
MW - 12	02/25/19	3466.69	-	47.71	0.00	3,418.98
MW - 12	05/21/19	3466.69	-	47.59	0.00	3,419.10
MW - 12	07/02/19	3466.69	-	47.64	0.00	3,419.05
MW - 12	07/30/19	3466.69	-	47.71	0.00	3,418.98
MW - 12	08/21/19	3466.69	-	47.75	0.00	3,418.94
MW - 12	12/10/19	3466.69	-	47.56	0.00	3,419.13
MW - 12	01/21/20	3466.69	-	47.56	0.00	3,419.13
MW - 12	02/25/20	3466.69	-	47.53	0.00	3,419.16
MW - 12	06/03/20	3466.69	-	47.51	0.00	3,419.18
MW - 12	09/22/20	3466.69	-	47.78	0.00	3,418.91
MW - 12	11/13/20	3466.69	-	47.82	0.00	3,418.87
MW - 12	03/26/21	3466.69	-	47.77	0.00	3,418.92
MW - 12	05/14/21	3466.69	-	47.75	0.00	3,418.94
MW - 12	09/07/21	3466.69	-	47.89	0.00	3,418.80
MW - 12	12/08/21	3466.69	-	47.96	0.00	3,418.73
MW - 12	12/13/21	3466.69	-	48.53	0.00	3,418.16
MW - 12	03/16/22	3466.69	-	47.98	0.00	3,418.71
MW - 12	05/19/22	3466.69	-	47.98	0.00	3,418.71
MW - 12	09/06/22	3466.69	-	48.10	0.00	3,418.59
MW - 12	11/30/22	3466.69	-	48.12	0.00	3,418.57
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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	02/26/14	3466.98	-	47.94	0.00	3,419.04
MW - 13	05/12/14	3466.98	-	47.98	0.00	3,419.00
MW - 13	07/23/14	3466.98	-	48.11	0.00	3,418.87
MW - 13	08/11/14	3466.98	-	48.04	0.00	3,418.94
MW - 13	10/28/14	3466.98	-	47.65	0.00	3,419.33
MW - 13	11/15/14	3466.98	-	47.61	0.00	3,419.37
MW - 13	02/18/15	3466.98	-	47.62	0.00	3,419.36
MW - 13	03/19/15	3466.98	-	47.61	0.00	3,419.37
MW - 13	04/16/15	3466.98	-	47.61	0.00	3,419.37
MW - 13	05/28/15	3466.98	-	47.64	0.00	3,419.34
MW - 13	07/21/15	3466.98	-	47.82	0.00	3,419.16
MW - 13	08/20/15	3466.98	-	47.87	0.00	3,419.11
MW - 13	09/11/15	3466.98	-	47.90	0.00	3,419.08
MW - 13	10/15/15	3466.98	-	47.87	0.00	3,419.11
MW - 13	11/30/15	3466.98	-	47.80	0.00	3,419.18
MW - 13	12/11/15	3466.98	-	47.77	0.00	3,419.21
MW - 13	01/19/16	3466.98	-	47.75	0.00	3,419.23
MW - 13	02/25/16	3466.98	-	47.79	0.00	3,419.19
MW - 13	03/17/16	3466.98	-	47.75	0.00	3,419.23
MW - 13	04/13/16	3466.98	-	47.75	0.00	3,419.23
MW - 13	06/02/16	3466.98	-	47.82	0.00	3,419.16
MW - 13	06/30/16	3466.98	-	47.88	0.00	3,419.10
MW - 13	07/26/16	3466.98	-	47.97	0.00	3,419.01
MW - 13	08/23/16	3466.98	-	47.93	0.00	3,419.05
MW - 13	09/12/16	3466.98	-	47.73	0.00	3,419.25
MW - 13	10/12/16	3466.98	-	47.60	0.00	3,419.38
MW - 13	12/01/16	3466.98	-	47.66	0.00	3,419.32
MW - 13	12/28/16	3466.98	-	47.67	0.00	3,419.31
MW - 13	01/25/17	3466.98	-	47.74	0.00	3,419.24
MW - 13	02/23/17	3466.98	-	47.66	0.00	3,419.32
MW - 13	03/30/17	3466.98	-	47.68	0.00	3,419.30
MW - 13	04/11/17	3466.98	-	47.68	0.00	3,419.30
MW - 13	05/04/17	3466.98	-	47.70	0.00	3,419.28
MW - 13	06/07/17	3466.98	-	47.73	0.00	3,419.25
MW - 13	07/06/17	3466.98	-	47.77	0.00	3,419.21
MW - 13	08/23/17	3466.98	-	47.89	0.00	3,419.09
MW - 13	10/09/17	3466.98	-	47.92	0.00	3,419.06
MW - 13	11/29/17	3466.98	-	47.96	0.00	3,419.02

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 13	12/26/17	3466.98	-	48.00	0.00	3,418.98
MW - 13	02/28/18	3466.98	-	48.00	0.00	3,418.98
MW - 13	05/24/18	3466.98	-	48.06	0.00	3,418.92
MW - 13	06/28/18	3466.98	-	48.12	0.00	3,418.86
MW - 13	08/21/18	3466.98	-	48.21	0.00	3,418.77
MW - 13	12/05/18	3466.98	-	48.26	0.00	3,418.72
MW - 13	12/31/18	3466.98	-	48.30	0.00	3,418.68
MW - 13	01/18/19	3466.98	-	48.27	0.00	3,418.71
MW - 13	02/25/19	3466.98	-	48.27	0.00	3,418.71
MW - 13	05/21/19	3466.98	-	48.13	0.00	3,418.85
MW - 13	07/02/19	3466.98	-	48.15	0.00	3,418.83
MW - 13	07/30/19	3466.98	-	48.23	0.00	3,418.75
MW - 13	08/21/19	3466.98	-	48.27	0.00	3,418.71
MW - 13	12/10/19	3466.98	-	48.09	0.00	3,418.89
MW - 13	01/21/20	3466.98	-	48.09	0.00	3,418.89
MW - 13	02/25/20	3466.98	-	48.06	0.00	3,418.92
MW - 13	06/03/20	3466.98	-	48.04	0.00	3,418.94
MW - 13	09/22/20	3466.98	-	48.31	0.00	3,418.67
MW - 13	11/13/20	3466.98	-	48.35	0.00	3,418.63
MW - 13	03/26/21	3466.98	-	48.31	0.00	3,418.67
MW - 13	05/14/21	3466.98	-	48.28	0.00	3,418.70
MW - 13	09/08/21	3466.98	-	48.40	0.00	3,418.58
MW - 13	12/08/21	3466.98	-	48.50	0.00	3,418.48
MW - 13	12/13/21	3466.98	-	48.53	0.00	3,418.45
MW - 13	03/16/22	3466.98	-	48.53	0.00	3,418.45
MW - 13	05/19/22	3466.98	-	48.50	0.00	3,418.48
MW - 13	09/06/22	3466.98	-	48.64	0.00	3,418.34
MW - 13	11/30/22	3466.98	-	48.67	0.00	3,418.31
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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	01/23/14	3466.50	-	47.68	0.00	3,418.82
MW - 14	01/28/14	3466.50	-	47.68	0.00	3,418.82
MW - 14	02/11/14	3466.50	-	47.67	0.00	3,418.83
MW - 14	02/26/14	3466.50	-	47.61	0.00	3,418.89
MW - 14	03/21/14	3466.50	-	47.60	0.00	3,418.90
MW - 14	03/29/14	3466.50	-	47.60	0.00	3,418.90
MW - 14	04/10/14	3466.50	-	47.69	0.00	3,418.81
MW - 14	04/17/14	3466.50	-	47.62	0.00	3,418.88
MW - 14	04/24/14	3466.50	-	47.61	0.00	3,418.89
MW - 14	04/17/14	3466.50	-	47.62	0.00	3,418.88
MW - 14	05/01/14	3466.50	-	47.64	0.00	3,418.86
MW - 14	05/06/14	3466.50	-	47.67	0.00	3,418.83
MW - 14	05/12/14	3466.50	-	47.64	0.00	3,418.86
MW - 14	05/23/14	3466.50	-	47.65	0.00	3,418.85
MW - 14	05/27/14	3466.50	-	47.60	0.00	3,418.90
MW - 14	06/05/14	3466.50	-	47.68	0.00	3,418.82
MW - 14	06/18/14	3466.50	-	47.70	0.00	3,418.80
MW - 14	07/01/14	3466.50	-	47.45	0.00	3,419.05

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 14	07/23/14	3466.50	-	47.76	0.00	3,418.74
MW - 14	08/11/14	3466.50	-	47.79	0.00	3,418.71
MW - 14	08/21/14	3466.50	-	47.81	0.00	3,418.69
MW - 14	09/04/14	3466.50	-	47.81	0.00	3,418.69
MW - 14	10/28/14	3466.50	-	47.34	0.00	3,419.16
MW - 14	11/15/14	3466.50	-	47.32	0.00	3,419.18
MW - 14	02/18/15	3466.50	-	47.28	0.00	3,419.22
MW - 14	03/19/15	3466.50	-	47.28	0.00	3,419.22
MW - 14	04/16/15	3466.50	-	47.26	0.00	3,419.24
MW - 14	05/28/15	3466.50	-	47.33	0.00	3,419.17
MW - 14	07/21/15	3466.50	-	47.49	0.00	3,419.01
MW - 14	08/20/15	3466.50	-	47.57	0.00	3,418.93
MW - 14	09/11/15	3466.50	-	47.58	0.00	3,418.92
MW - 14	10/15/15	3466.50	-	47.55	0.00	3,418.95
MW - 14	11/30/15	3466.50	-	47.47	0.00	3,419.03
MW - 14	12/11/15	3466.50	-	47.43	0.00	3,419.07
MW - 14	01/19/16	3466.50	-	47.42	0.00	3,419.08
MW - 14	02/25/16	3466.50	-	47.46	0.00	3,419.04
MW - 14	03/17/16	3466.50	-	47.42	0.00	3,419.08
MW - 14	04/13/16	3466.50	-	47.40	0.00	3,419.10
MW - 14	06/02/16	3466.50	-	48.49	0.00	3,418.01
MW - 14	06/30/16	3466.50	-	47.55	0.00	3,418.95
MW - 14	07/26/16	3466.50	-	47.63	0.00	3,418.87
MW - 14	08/23/16	3466.50	-	47.61	0.00	3,418.89
MW - 14	09/12/16	3466.50	-	47.42	0.00	3,419.08
MW - 14	10/12/16	3466.50	-	47.28	0.00	3,419.22
MW - 14	12/01/16	3466.50	-	47.32	0.00	3,419.18
MW - 14	12/28/16	3466.50	-	47.32	0.00	3,419.18
MW - 14	01/25/17	3466.50	-	47.37	0.00	3,419.13
MW - 14	02/23/17	3466.50	-	47.31	0.00	3,419.19
MW - 14	03/30/17	3466.50	-	47.33	0.00	3,419.17
MW - 14	04/11/17	3466.50	-	47.33	0.00	3,419.17
MW - 14	05/04/17	3466.50	-	47.34	0.00	3,419.16
MW - 14	06/07/17	3466.50	-	47.37	0.00	3,419.13
MW - 14	07/06/17	3466.50	-	47.42	0.00	3,419.08
MW - 14	08/23/17	3466.50	-	47.55	0.00	3,418.95
MW - 14	10/09/17	3466.50	-	47.60	0.00	3,418.90
MW - 14	11/29/17	3466.50	-	47.65	0.00	3,418.85
MW - 14	12/26/17	3466.50	-	47.67	0.00	3,418.83
MW - 14	02/28/18	3466.50	-	47.69	0.00	3,418.81

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 14	05/24/18	3466.50	-	47.73	0.00	3,418.77
MW - 14	06/28/18	3466.50	-	47.80	0.00	3,418.70
MW - 14	08/21/18	3466.50	-	48.88	0.00	3,417.62
MW - 14	12/05/18	3466.50	-	47.95	0.00	3,418.55
MW - 14	12/31/18	3466.50	-	47.96	0.00	3,418.54
MW - 14	02/25/19	3466.50	-	47.95	0.00	3,418.55
MW - 14	05/21/19	3466.50	-	47.78	0.00	3,418.72
MW - 14	07/02/19	3466.50	-	47.82	0.00	3,418.68
MW - 14	07/30/19	3466.50	-	47.89	0.00	3,418.61
MW - 14	08/21/19	3466.50	-	47.94	0.00	3,418.56
MW - 14	12/10/19	3466.50	-	47.75	0.00	3,418.75
MW - 14	01/21/20	3466.50	-	47.74	0.00	3,418.76
MW - 14	02/25/20	3466.50	-	47.73	0.00	3,418.77
MW - 14	06/03/20	3466.50	-	47.70	0.00	3,418.80
MW - 14	09/22/20	3466.50	-	47.98	0.00	3,418.52
MW - 14	11/13/20	3466.50	-	48.02	0.00	3,418.48
MW - 14	03/26/21	3466.50	-	47.98	0.00	3,418.52
MW - 14	05/14/21	3466.50	-	47.95	0.00	3,418.55
MW - 14	09/07/21	3466.50	-	48.07	0.00	3,418.43
MW - 14	12/08/21	3466.50	-	48.18	0.00	3,418.32
MW - 14	12/13/21	3466.50	-	48.20	0.00	3,418.30
MW - 14	03/16/22	3466.50	-	48.23	0.00	3,418.27
MW - 14	05/19/22	3466.50	-	48.17	0.00	3,418.33
MW - 14	09/06/22	3466.50	-	48.32	0.00	3,418.18
MW - 14	11/30/22	3466.50	-	48.39	0.00	3,418.11
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
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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	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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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
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	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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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	02/26/14	3466.10	-	46.90	0.00	3,419.20
MW - 15	05/12/14	3466.10	-	46.94	0.00	3,419.16
MW - 15	07/23/14	3466.10	-	47.09	0.00	3,419.01
MW - 15	08/11/14	3466.10	-	47.11	0.00	3,418.99
MW - 15	10/28/14	3466.10	-	46.58	0.00	3,419.52
MW - 15	11/15/14	3466.10	-	46.23	0.00	3,419.87
MW - 15	02/18/15	3466.10	-	46.57	0.00	3,419.53
MW - 15	03/19/15	3466.10	-	46.57	0.00	3,419.53
MW - 15	04/16/15	3466.10	-	46.57	0.00	3,419.53
MW - 15	05/28/15	3466.10	-	46.60	0.00	3,419.50
MW - 15	07/21/15	3466.10	-	46.80	0.00	3,419.30
MW - 15	08/20/15	3466.10	-	46.88	0.00	3,419.22
MW - 15	09/11/15	3466.10	-	46.87	0.00	3,419.23
MW - 15	10/15/15	3466.10	-	46.84	0.00	3,419.26
MW - 15	11/30/15	3466.10	-	46.74	0.00	3,419.36
MW - 15	12/11/15	3466.10	-	46.72	0.00	3,419.38
MW - 15	01/19/16	3466.10	-	46.73	0.00	3,419.37
MW - 15	02/25/16	3466.10	-	46.74	0.00	3,419.36
MW - 15	03/17/16	3466.10	-	46.72	0.00	3,419.38
MW - 15	04/13/16	3466.10	-	46.71	0.00	3,419.39
MW - 15	06/02/16	3466.10	-	46.75	0.00	3,419.35
MW - 15	06/30/16	3466.10	-	46.86	0.00	3,419.24

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 15	07/26/16	3466.10	-	46.93	0.00	3,419.17
MW - 15	08/23/16	3466.10	-	46.88	0.00	3,419.22
MW - 15	09/12/16	3466.10	-	46.61	0.00	3,419.49
MW - 15	10/12/16	3466.10	-	46.47	0.00	3,419.63
MW - 15	12/01/16	3466.10	-	46.59	0.00	3,419.51
MW - 15	12/28/16	3466.10	-	46.60	0.00	3,419.50
MW - 15	01/25/17	3466.10	-	46.66	0.00	3,419.44
MW - 15	02/23/17	3466.10	-	46.59	0.00	3,419.51
MW - 15	03/30/17	3466.10	-	46.62	0.00	3,419.48
MW - 15	04/11/17	3466.10	-	46.63	0.00	3,419.47
MW - 15	05/04/17	3466.10	-	46.62	0.00	3,419.48
MW - 15	06/07/17	3466.10	-	46.67	0.00	3,419.43
MW - 15	07/06/17	3466.10	-	47.73	0.00	3,418.37
MW - 15	08/23/17	3466.10	-	46.84	0.00	3,419.26
MW - 15	10/09/17	3466.10	-	46.88	0.00	3,419.22
MW - 15	11/29/17	3466.10	-	46.92	0.00	3,419.18
MW - 15	12/26/17	3466.10	-	46.95	0.00	3,419.15
MW - 15	02/28/18	3466.10	-	46.96	0.00	3,419.14
MW - 15	05/24/18	3466.10	-	48.19	0.00	3,417.91
MW - 15	06/28/18	3466.10	-	47.09	0.00	3,419.01
MW - 15	08/21/18	3466.10	-	47.21	0.00	3,418.89
MW - 15	12/05/18	3466.10	-	47.22	0.00	3,418.88
MW - 15	12/31/18	3466.10	-	47.25	0.00	3,418.85
MW - 15	01/18/19	3466.10	-	47.23	0.00	3,418.87
MW - 15	02/25/19	3466.10	-	47.22	0.00	3,418.88
MW - 15	05/21/19	3466.10	-	47.10	0.00	3,419.00
MW - 15	07/02/19	3466.10	-	47.12	0.00	3,418.98
MW - 15	07/30/19	3466.10	-	47.20	0.00	3,418.90
MW - 15	08/21/19	3466.10	-	47.25	0.00	3,418.85
MW - 15	12/10/19	3466.10	-	47.02	0.00	3,419.08
MW - 15	01/21/20	3466.10	-	47.03	0.00	3,419.07
MW - 15	02/25/20	3466.10	-	47.02	0.00	3,419.08
MW - 15	06/03/20	3466.10	-	46.99	0.00	3,419.11
MW - 15	09/22/20	3466.10	-	47.28	0.00	3,418.82
MW - 15	11/13/20	3466.10	-	47.33	0.00	3,418.77
MW - 15	03/26/21	3466.10	-	47.25	0.00	3,418.85
MW - 15	05/14/21	3466.10	-	47.24	0.00	3,418.86
MW - 15	09/07/21	3466.10	-	47.38	0.00	3,418.72
MW - 15	12/08/21	3466.10	-	47.50	0.00	3,418.60
MW - 15	12/13/21	3466.10	-	47.51	0.00	3,418.59

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 15	03/16/22	3466.10	-	47.50	0.00	3,418.60
MW - 15	05/19/22	3466.10	-	47.50	0.00	3,418.60
MW - 15	09/06/22	3466.10	-	47.67	0.00	3,418.43
MW - 15	11/30/22	3466.10	-	47.66	0.00	3,418.44
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
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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	02/26/14	3465.93	-	46.95	0.00	3,418.98
MW - 16	04/10/14	3465.93	45.70	47.62	1.92	3,419.94
MW - 16	04/17/14	3465.93	45.71	47.62	1.91	3,419.93
MW - 16	04/17/14	3465.93	45.91	46.41	0.50	3,419.95
MW - 16	04/24/14	3465.93	-	47.29	0.00	3,418.64
MW - 16	05/12/14	3465.93	-	47.03	0.00	3,418.90
MW - 16	05/27/14	3465.93	-	47.05	0.00	3,418.88
MW - 16	06/18/14	3465.93	-	47.18	0.00	3,418.75
MW - 16	07/23/14	3465.93	-	47.20	0.00	3,418.73
MW - 16	08/11/14	3465.93	-	47.24	0.00	3,418.69
MW - 16	10/28/14	3465.93	-	46.75	0.00	3,419.18
MW - 16	11/15/14	3465.93	-	46.70	0.00	3,419.23
MW - 16	02/18/15	3465.93	-	46.64	0.00	3,419.29
MW - 16	03/19/15	3465.93	-	46.68	0.00	3,419.25
MW - 16	04/16/15	3465.93	-	46.64	0.00	3,419.29
MW - 16	05/28/15	3465.93	-	46.74	0.00	3,419.19
MW - 16	07/21/15	3465.93	-	46.92	0.00	3,419.01
MW - 16	08/20/15	3465.93	-	47.01	0.00	3,418.92
MW - 16	09/11/15	3465.93	-	46.99	0.00	3,418.94
MW - 16	10/15/15	3465.93	-	46.96	0.00	3,418.97
MW - 16	11/30/15	3465.93	-	46.85	0.00	3,419.08
MW - 16	12/11/15	3465.93	-	46.90	0.00	3,419.03
MW - 16	01/19/16	3465.93	-	46.78	0.00	3,419.15
MW - 16	02/25/16	3465.93	-	46.83	0.00	3,419.10
MW - 16	03/17/16	3465.93	-	46.80	0.00	3,419.13
MW - 16	04/13/16	3465.93	-	46.77	0.00	3,419.16
MW - 16	06/02/16	3465.93	-	46.88	0.00	3,419.05
MW - 16	06/30/16	3465.93	-	46.97	0.00	3,418.96
MW - 16	07/26/16	3465.93	-	47.07	0.00	3,418.86
MW - 16	09/12/16	3465.93	-	47.16	0.00	3,418.77
MW - 16	10/12/16	3465.93	-	46.85	0.00	3,419.08
MW - 16	12/01/16	3465.93	-	47.01	0.00	3,418.92
MW - 16	12/28/16	3465.93	-	47.19	0.00	3,418.74
MW - 16	01/25/17	3465.93	-	47.13	0.00	3,418.80

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 16	02/23/17	3465.93	-	47.02	0.00	3,418.91
MW - 16	03/30/17	3465.93	-	47.04	0.00	3,418.89
MW - 16	04/11/17	3465.93	-	47.01	0.00	3,418.92
MW - 16	05/04/17	3465.93	-	46.99	0.00	3,418.94
MW - 16	06/07/17	3465.93	-	47.00	0.00	3,418.93
MW - 16	07/06/17	3465.93	-	47.04	0.00	3,418.89
MW - 16	08/23/17	3465.93	-	47.12	0.00	3,418.81
MW - 16	10/09/17	3465.93	-	47.11	0.00	3,418.82
MW - 16	11/29/17	3465.93	-	47.21	0.00	3,418.72
MW - 16	12/26/17	3465.93	-	47.53	0.00	3,418.40
MW - 16	02/28/18	3465.93	-	47.43	0.00	3,418.50
MW - 16	05/24/18	3465.93	-	47.52	0.00	3,418.41
MW - 16	06/28/18	3465.93	-	47.58	0.00	3,418.35
MW - 16	08/21/18	3465.93	-	47.70	0.00	3,418.23
MW - 16	12/05/18	3465.93	-	47.76	0.00	3,418.17
MW - 16	12/31/18	3465.93	-	48.26	0.00	3,417.67
MW - 16	01/18/19	3465.93	-	47.99	0.00	3,417.94
MW - 16	02/25/19	3465.93	-	47.84	0.00	3,418.09
MW - 16	05/21/19	3465.93	-	47.60	0.00	3,418.33
MW - 16	07/02/19	3465.93	-	47.70	0.00	3,418.23
MW - 16	07/30/19	3465.93	-	47.82	0.00	3,418.11
MW - 16	08/21/19	3465.93	-	47.83	0.00	3,418.10
MW - 16	12/10/19	3465.93	-	47.71	0.00	3,418.22
MW - 16	01/21/20	3465.93	-	48.04	0.00	3,417.89
MW - 16	02/25/20	3465.93	-	47.89	0.00	3,418.04
MW - 16	06/02/20	3465.93	-	47.67	0.00	3,418.26
MW - 16	09/21/20	3465.93	-	48.09	0.00	3,417.84
MW - 16	11/13/20	3465.93	-	48.08	0.00	3,417.85
MW - 16	03/25/21	3465.93	-	48.12	0.00	3,417.81
MW - 16	05/13/21	3465.93	-	48.12	0.00	3,417.81
MW - 16	09/07/21	3465.93	-	48.13	0.00	3,417.80
MW - 16	12/08/21	3465.93	-	47.60	0.00	3,418.33
MW - 16	12/13/21	3465.93	-	47.58	0.00	3,418.35
MW - 16	03/16/22	3465.93	-	47.61	0.00	3,418.32
MW - 16	09/06/22	3465.93	-	DRY	-	-
MW - 16	12/02/22	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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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
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	02/26/14	3468.68	-	49.86	0.00	3,418.82
MW - 17	05/12/14	3468.68	-	49.93	0.00	3,418.75

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 17	07/11/14	3468.68	-	50.08	0.00	3,418.60
MW - 17	07/23/14	3468.68	-	50.02	0.00	3,418.66
MW - 17	08/11/14	3468.68	-	50.08	0.00	3,418.60
MW - 17	10/28/14	3468.68	-	49.62	0.00	3,419.06
MW - 17	11/15/14	3468.68	-	49.59	0.00	3,419.09
MW - 17	02/18/15	3468.68	-	49.52	0.00	3,419.16
MW - 17	03/19/15	3468.68	-	49.53	0.00	3,419.15
MW - 17	04/16/15	3468.68	-	49.51	0.00	3,419.17
MW - 17	05/28/15	3468.68	-	49.62	0.00	3,419.06
MW - 17	07/21/15	3468.68	-	49.80	0.00	3,418.88
MW - 17	08/20/15	3468.68	-	49.87	0.00	3,418.81
MW - 17	09/11/15	3468.68	-	49.86	0.00	3,418.82
MW - 17	10/15/15	3468.68	-	49.83	0.00	3,418.85
MW - 17	11/30/15	3468.68	-	49.76	0.00	3,418.92
MW - 17	12/11/15	3468.68	-	49.69	0.00	3,418.99
MW - 17	01/19/16	3468.68	-	49.69	0.00	3,418.99
MW - 17	02/25/16	3468.68	-	49.71	0.00	3,418.97
MW - 17	03/17/16	3468.68	-	49.68	0.00	3,419.00
MW - 17	04/13/16	3468.68	-	49.67	0.00	3,419.01
MW - 17	06/02/16	3468.68	-	49.76	0.00	3,418.92
MW - 17	06/30/16	3468.68	-	49.84	0.00	3,418.84
MW - 17	07/26/16	3468.68	-	49.93	0.00	3,418.75
MW - 17	09/12/16	3468.68	-	49.72	0.00	3,418.96
MW - 17	10/12/16	3468.68	-	49.54	0.00	3,419.14
MW - 17	12/01/16	3468.68	-	49.59	0.00	3,419.09
MW - 17	12/28/16	3468.68	-	49.17	0.00	3,419.51
MW - 17	01/25/17	3468.68	-	49.62	0.00	3,419.06
MW - 17	02/23/17	3468.68	-	49.56	0.00	3,419.12
MW - 17	03/30/17	3468.68	-	49.58	0.00	3,419.10
MW - 17	04/11/17	3468.68	-	49.57	0.00	3,419.11
MW - 17	05/04/17	3468.68	-	49.58	0.00	3,419.10
MW - 17	06/07/17	3468.68	-	49.63	0.00	3,419.05
MW - 17	07/06/17	3468.68	-	49.69	0.00	3,418.99
MW - 17	08/23/17	3468.68	-	49.78	0.00	3,418.90
MW - 17	10/09/17	3468.68	-	49.91	0.00	3,418.77
MW - 17	11/29/17	3468.68	-	49.94	0.00	3,418.74
MW - 17	12/26/17	3468.68	-	49.97	0.00	3,418.71
MW - 17	02/28/18	3468.68	-	49.97	0.00	3,418.71
MW - 17	05/24/18	3468.68	-	47.79	0.00	3,420.89
MW - 17	06/28/18	3468.68	-	50.09	0.00	3,418.59

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 17	08/21/18	3468.68	-	50.19	0.00	3,418.49
MW - 17	12/05/18	3468.68	-	50.24	0.00	3,418.44
MW - 17	12/31/18	3468.68	-	50.28	0.00	3,418.40
MW - 17	01/18/19	3468.68	-	50.24	0.00	3,418.44
MW - 17	02/25/19	3468.68	-	50.25	0.00	3,418.43
MW - 17	05/21/19	3468.68	-	50.05	0.00	3,418.63
MW - 17	07/02/19	3468.68	-	50.11	0.00	3,418.57
MW - 17	07/30/19	3468.68	-	50.17	0.00	3,418.51
MW - 17	08/21/19	3468.68	-	50.22	0.00	3,418.46
MW - 17	12/10/19	3468.68	-	50.01	0.00	3,418.67
MW - 17	01/21/20	3468.68	-	50.00	0.00	3,418.68
MW - 17	02/25/20	3468.68	-	49.99	0.00	3,418.69
MW - 17	06/02/20	3468.68	-	49.96	0.00	3,418.72
MW - 17	09/22/20	3468.68	-	50.28	0.00	3,418.40
MW - 17	11/13/20	3468.68	-	50.31	0.00	3,418.37
MW - 17	03/26/21	3468.68	-	50.26	0.00	3,418.42
MW - 17	05/14/21	3468.68	-	50.22	0.00	3,418.46
MW - 17	09/07/21	3468.68	-	50.35	0.00	3,418.33
MW - 17	12/08/21	3468.68	-	50.50	0.00	3,418.18
MW - 17	12/13/21	3468.68	-	50.45	0.00	3,418.23
MW - 17	03/16/22	3468.68	-	50.49	0.00	3,418.19
MW - 17	05/19/22	3468.68	-	50.45	0.00	3,418.23
MW - 17	09/06/22	3468.68	-	50.64	0.00	3,418.04
MW - 17	12/01/22	3468.68	-	49.69	0.00	3,418.99
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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	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
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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	01/23/14	3465.02	-	45.78	0.00	3,419.24
RW - 1	01/28/14	3465.02	-	45.80	0.00	3,419.22
RW - 1	02/11/14	3465.02	-	45.78	0.00	3,419.24
RW - 1	02/26/14	3465.02	-	45.72	0.00	3,419.30
RW - 1	03/21/14	3465.02	-	45.73	0.00	3,419.29
RW - 1	03/29/14	3465.02	-	45.71	0.00	3,419.31
RW - 1	04/10/14	3465.02	-	45.72	0.00	3,419.30
RW - 1	04/17/14	3465.02	-	45.76	0.00	3,419.26
RW - 1	04/17/14	3465.02	-	47.01	0.00	3,418.01
RW - 1	04/24/14	3465.02	-	45.74	0.00	3,419.28
RW - 1	05/01/14	3465.02	-	45.74	0.00	3,419.28
RW - 1	05/06/14	3465.02	-	45.72	0.00	3,419.30
RW - 1	05/12/14	3465.02	-	45.74	0.00	3,419.28
RW - 1	05/23/14	3465.02	-	45.75	0.00	3,419.27
RW - 1	05/27/14	3465.02	-	45.75	0.00	3,419.27
RW - 1	06/05/14	3465.02	-	45.76	0.00	3,419.26
RW - 1	06/18/14	3465.02	-	45.82	0.00	3,419.20
RW - 1	06/26/14	3465.02	-	45.84	0.00	3,419.18
RW - 1	07/01/14	3465.02	-	45.86	0.00	3,419.16
RW - 1	07/08/14	3465.02	-	45.87	0.00	3,419.15
RW - 1	07/17/14	3465.02	-	45.90	0.00	3,419.12
RW - 1	07/23/14	3465.02	-	45.90	0.00	3,419.12
RW - 1	08/06/14	3465.02	-	45.91	0.00	3,419.11
RW - 1	08/11/14	3465.02	-	45.91	0.00	3,419.11

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 1	08/21/14	3465.02	-	45.92	0.00	3,419.10
RW - 1	09/04/14	3465.02	-	45.95	0.00	3,419.07
RW - 1	10/02/14	3465.02	-	45.17	0.00	3,419.85
RW - 1	10/08/14	3465.02	-	45.23	0.00	3,419.79
RW - 1	10/15/14	3465.02	-	45.34	0.00	3,419.68
RW - 1	10/23/14	3465.02	-	45.38	0.00	3,419.64
RW - 1	10/28/14	3465.02	-	45.39	0.00	3,419.63
RW -1	10/29/14	3465.02	-	45.12	0.00	3,419.90
RW -1	11/07/14	3465.02	-	45.40	0.00	3,419.62
RW -1	11/15/14	3465.02	-	45.38	0.00	3,419.64
RW -1	12/11/14	3465.02	-	47.48	0.00	3,417.54
RW -1	12/18/14	3465.02	-	45.41	0.00	3,419.61
RW -1	01/07/15	3465.02	-	45.46	0.00	3,419.56
RW -1	01/15/15	3465.02	-	45.42	0.00	3,419.60
RW -1	01/28/15	3465.02	-	45.40	0.00	3,419.62
RW -1	02/04/15	3465.02	-	45.39	0.00	3,419.63
RW -1	02/13/15	3465.02	-	45.43	0.00	3,419.59
RW -1	02/17/15	3465.02	-	45.45	0.00	3,419.57
RW -1	02/18/15	3465.02	-	45.40	0.00	3,419.62
RW -1	02/24/15	3465.02	-	45.41	0.00	3,419.61
RW -1	03/10/15	3465.02	-	45.83	0.00	3,419.19
RW -1	03/17/15	3465.02	-	45.43	0.00	3,419.59
RW -1	03/19/15	3465.02	-	45.41	0.00	3,419.61
RW -1	03/25/15	3465.02	-	45.43	0.00	3,419.59
RW -1	04/07/15	3465.02	-	45.43	0.00	3,419.59
RW -1	04/14/15	3465.02	-	45.44	0.00	3,419.58
RW -1	04/16/15	3465.02	-	45.42	0.00	3,419.60
RW -1	04/21/15	3465.02	-	45.44	0.00	3,419.58
RW -1	05/06/15	3465.02	-	45.42	0.00	3,419.60
RW -1	05/20/15	3465.02	-	45.45	0.00	3,419.57
RW -1	05/28/15	3465.02	-	45.42	0.00	3,419.60
RW -1	06/09/15	3465.02	-	45.46	0.00	3,419.56
RW -1	06/18/15	3465.02	-	45.45	0.00	3,419.57
RW -1	07/06/15	3465.02	-	45.53	0.00	3,419.49
RW -1	07/17/15	3465.02	-	45.55	0.00	3,419.47
RW -1	07/21/15	3465.02	-	45.58	0.00	3,419.44
RW -1	07/28/15	3465.02	-	45.60	0.00	3,419.42
RW -1	08/05/15	3465.02	-	45.61	0.00	3,419.41
RW -1	08/11/15	3465.02	-	45.65	0.00	3,419.37
RW -1	08/12/15	3465.02	-	45.53	0.00	3,419.49

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW -1	08/20/15	3465.02	-	45.69	0.00	3,419.33
RW -1	08/21/15	3465.02	-	45.69	0.00	3,419.33
RW -1	08/27/15	3465.02	-	45.71	0.00	3,419.31
RW -1	09/01/15	3465.02	-	45.70	0.00	3,419.32
RW -1	09/09/15	3465.02	-	45.68	0.00	3,419.34
RW -1	09/11/15	3465.02	-	45.68	0.00	3,419.34
RW -1	09/17/15	3465.02	-	45.70	0.00	3,419.32
RW -1	09/25/15	3465.02	-	45.71	0.00	3,419.31
RW -1	09/30/15	3465.02	-	45.70	0.00	3,419.32
RW -1	10/07/15	3465.02	-	45.72	0.00	3,419.30
RW -1	10/13/15	3465.02	-	45.70	0.00	3,419.32
RW -1	10/15/15	3465.02	-	45.65	0.00	3,419.37
RW -1	10/26/15	3465.02	-	45.67	0.00	3,419.35
RW -1	11/05/15	3465.02	-	45.59	0.00	3,419.43
RW -1	11/09/15	3465.02	-	45.61	0.00	3,419.41
RW -1	11/30/15	3465.02	-	45.58	0.00	3,419.44
RW -1	12/01/15	3465.02	-	45.58	0.00	3,419.44
RW -1	12/09/15	3465.02	-	45.57	0.00	3,419.45
RW -1	12/11/15	3465.02	-	45.56	0.00	3,419.46
RW -1	12/15/15	3465.02	-	45.55	0.00	3,419.47
RW -1	12/24/15	3465.02	-	45.58	0.00	3,419.44
RW -1	01/06/16	3465.02	-	45.58	0.00	3,419.44
RW -1	01/15/16	3465.02	-	45.60	0.00	3,419.42
RW -1	01/19/16	3465.02	-	45.56	0.00	3,419.46
RW -1	01/28/16	3465.02	-	45.56	0.00	3,419.46
RW -1	02/03/16	3465.02	-	45.53	0.00	3,419.49
RW -1	02/11/16	3465.02	-	45.58	0.00	3,419.44
RW -1	02/19/16	3465.02	-	45.58	0.00	3,419.44
RW -1	02/23/15	3465.02	-	45.57	0.00	3,419.45
RW -1	02/25/16	3465.02	-	45.57	0.00	3,419.45
RW -1	03/01/16	3465.02	-	45.58	0.00	3,419.44
RW -1	03/08/16	3465.02	-	45.55	0.00	3,419.47
RW -1	03/16/16	3465.02	-	45.55	0.00	3,419.47
RW -1	03/17/16	3465.02	-	45.56	0.00	3,419.46
RW -1	03/24/16	3465.02	-	45.55	0.00	3,419.47
RW -1	03/29/16	3465.02	-	45.56	0.00	3,419.46
RW -1	04/05/16	3465.02	-	45.55	0.00	3,419.47
RW -1	04/13/16	3465.02	-	45.53	0.00	3,419.49
RW -1	04/18/16	3465.02	-	45.57	0.00	3,419.45
RW -1	04/25/16	3465.02	-	45.54	0.00	3,419.48

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW -1	05/03/16	3465.02	-	45.56	0.00	3,419.46
RW -1	05/12/16	3465.02	-	45.57	0.00	3,419.45
RW -1	05/27/16	3465.02	-	45.59	0.00	3,419.43
RW -1	06/02/16	3465.02	-	45.59	0.00	3,419.43
RW -1	06/06/16	3465.02	-	45.62	0.00	3,419.40
RW -1	06/30/16	3465.02	-	45.70	0.00	3,419.32
RW -1	07/05/16	3465.02	-	45.70	0.00	3,419.32
RW -1	07/14/16	3465.02	-	45.73	0.00	3,419.29
RW -1	07/19/16	3465.02	-	45.75	0.00	3,419.27
RW -1	07/26/16	3465.02	-	45.78	0.00	3,419.24
RW -1	08/03/16	3465.02	-	45.80	0.00	3,419.22
RW -1	08/10/16	3465.02	-	45.81	0.00	3,419.21
RW -1	08/15/16	3465.02	-	45.80	0.00	3,419.22
RW -1	08/23/16	3465.02	-	45.74	0.00	3,419.28
RW -1	09/12/16	3465.02	-	45.51	0.00	3,419.51
RW -1	10/07/16	3465.02	-	45.36	0.00	3,419.66
RW -1	10/12/16	3465.02	-	45.37	0.00	3,419.65
RW -1	10/19/16	3465.02	-	45.43	0.00	3,419.59
RW -1	10/28/16	3465.02	-	45.44	0.00	3,419.58
RW -1	11/03/16	3465.02	-	45.47	0.00	3,419.55
RW -1	11/11/16	3465.02	-	45.47	0.00	3,419.55
RW -1	11/15/16	3465.02	-	45.42	0.00	3,419.60
RW -1	12/02/16	3465.02	-	45.43	0.00	3,419.59
RW -1	12/06/16	3465.02	-	45.50	0.00	3,419.52
RW -1	12/13/16	3465.02	-	45.50	0.00	3,419.52
RW -1	12/21/16	3465.02	-	45.50	0.00	3,419.52
RW -1	12/28/16	3465.02	-	45.50	0.00	3,419.52
RW -1	01/03/17	3465.02	-	45.50	0.00	3,419.52
RW -1	01/09/17	3465.02	-	45.52	0.00	3,419.50
RW -1	01/17/17	3465.02	-	45.48	0.00	3,419.54
RW -1	01/25/17	3465.02	-	45.54	0.00	3,419.48
RW -1	02/01/17	3465.02	-	45.50	0.00	3,419.52
RW -1	02/07/17	3465.02	-	45.49	0.00	3,419.53
RW -1	02/16/17	3465.02	-	45.48	0.00	3,419.54
RW -1	02/23/17	3465.02	-	45.45	0.00	3,419.57
RW -1	03/03/17	3465.02	-	45.50	0.00	3,419.52
RW -1	03/07/17	3465.02	-	45.51	0.00	3,419.51
RW -1	03/14/17	3465.02	-	45.50	0.00	3,419.52
RW -1	03/24/17	3465.02	-	45.48	0.00	3,419.54
RW -1	03/30/17	3465.02	-	45.46	0.00	3,419.56

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW -1	04/04/17	3465.02	-	45.49	0.00	3,419.53
RW -1	04/11/17	3465.02	-	45.47	0.00	3,419.55
RW -1	04/21/17	3465.02	-	45.49	0.00	3,419.53
RW -1	04/27/17	3465.02	-	45.46	0.00	3,419.56
RW -1	05/04/17	3465.02	-	45.51	0.00	3,419.51
RW -1	05/09/17	3465.02	-	45.52	0.00	3,419.50
RW -1	05/25/17	3465.02	-	45.49	0.00	3,419.53
RW -1	06/02/17	3465.02	-	45.52	0.00	3,419.50
RW -1	06/07/17	3465.02	-	45.51	0.00	3,419.51
RW -1	06/13/17	3465.02	-	46.54	0.00	3,418.48
RW -1	06/20/17	3465.02	-	45.93	0.00	3,419.09
RW -1	07/06/17	3465.02	-	45.89	0.00	3,419.13
RW -1	07/13/17	3465.02	-	45.61	0.00	3,419.41
RW -1	07/18/17	3465.02	-	45.63	0.00	3,419.39
RW -1	08/10/17	3465.02	-	45.69	0.00	3,419.33
RW -1	08/18/17	3465.02	-	45.70	0.00	3,419.32
RW -1	08/23/17	3465.02	-	45.70	0.00	3,419.32
RW -1	09/01/17	3465.02	-	45.69	0.00	3,419.33
RW -1	09/07/17	3465.02	-	45.74	0.00	3,419.28
RW -1	09/14/17	3465.02	-	45.72	0.00	3,419.30
RW -1	09/21/17	3465.02	-	45.75	0.00	3,419.27
RW -1	10/26/17	3465.02	-	45.74	0.00	3,419.28
RW -1	10/31/17	3465.02	-	45.72	0.00	3,419.30
RW -1	11/17/17	3465.02	-	45.73	0.00	3,419.29
RW -1	11/29/17	3465.02	-	45.76	0.00	3,419.26
RW -1	12/08/17	3465.02	-	45.78	0.00	3,419.24
RW -1	12/15/17	3465.02	-	45.80	0.00	3,419.22
RW -1	12/21/17	3465.02	-	45.75	0.00	3,419.27
RW -1	12/26/17	3465.02	-	45.81	0.00	3,419.21
RW -1	01/04/18	3465.02	-	45.79	0.00	3,419.23
RW -1	01/15/18	3465.02	-	45.79	0.00	3,419.23
RW -1	01/28/18	3465.02	-	45.81	0.00	3,419.21
RW -1	01/04/18	3465.02	-	45.79	0.00	3,419.23
RW -1	01/15/18	3465.02	-	45.79	0.00	3,419.23
RW -1	01/26/18	3465.02	-	45.81	0.00	3,419.21
RW -1	02/02/18	3465.02	-	45.80	0.00	3,419.22
RW -1	02/09/18	3465.02	-	45.79	0.00	3,419.23
RW -1	02/16/18	3465.02	-	45.84	0.00	3,419.18
RW -1	02/23/18	3465.02	-	45.81	0.00	3,419.21
RW -1	02/28/18	3465.02	-	45.79	0.00	3,419.23

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW -1	03/05/18	3465.02	-	45.84	0.00	3,419.18
RW -1	03/16/18	3465.02	-	45.81	0.00	3,419.21
RW -1	03/28/18	3465.02	-	45.82	0.00	3,419.20
RW -1	04/06/18	3465.02	-	45.83	0.00	3,419.19
RW -1	04/18/18	3465.02	-	45.87	0.00	3,419.15
RW -1	05/04/18	3465.02	-	45.87	0.00	3,419.15
RW -1	05/10/18	3465.02	-	45.89	0.00	3,419.13
RW -1	05/18/18	3465.02	-	45.88	0.00	3,419.14
RW -1	05/24/18	3465.02	-	45.88	0.00	3,419.14
RW -1	06/14/18	3465.02	-	45.93	0.00	3,419.09
RW -1	06/22/18	3465.02	-	45.92	0.00	3,419.10
RW -1	06/28/18	3465.02	-	45.96	0.00	3,419.06
RW-1	07/03/18	3465.02	-	45.95	0.00	3,419.07
RW-1	07/12/18	3465.02	-	45.97	0.00	3,419.05
RW-1	08/21/18	3465.02	-	46.06	0.00	3,418.96
RW-1	09/13/18	3465.02	-	46.10	0.00	3,418.92
RW-1	10/10/18	3465.02	-	46.10	0.00	3,418.92
RW-1	11/19/18	3465.02	-	46.12	0.00	3,418.90
RW-1	12/05/18	3465.02	-	46.07	0.00	3,418.95
RW-1	12/17/18	3465.02	-	46.05	0.00	3,418.97
RW-1	12/31/18	3465.02	-	46.10	0.00	3,418.92
RW-1	01/18/19	3465.02	-	46.06	0.00	3,418.96
RW-1	02/25/19	3465.02	-	46.04	0.00	3,418.98
RW-1	03/08/19	3465.02	-	46.05	0.00	3,418.97
RW-1	04/03/19	3465.02	-	45.99	0.00	3,419.03
RW-1	05/15/19	3465.02	-	45.93	0.00	3,419.09
RW-1	05/21/19	3465.02	-	45.93	0.00	3,419.09
RW-1	07/02/19	3465.02	-	45.96	0.00	3,419.06
RW-1	07/30/19	3465.02	-	46.04	0.00	3,418.98
RW-1	08/21/19	3465.02	-	46.08	0.00	3,418.94
RW-1	12/10/19	3465.02	-	45.87	0.00	3,419.15
RW-1	01/21/20	3465.02	-	45.86	0.00	3,419.16
RW-1	02/25/20	3465.02	-	45.86	0.00	3,419.16
RW-1	06/03/20	3465.02	-	45.83	0.00	3,419.19
RW-1	09/21/20	3465.02	-	46.12	0.00	3,418.90
RW-1	11/13/20	3465.02	-	46.13	0.00	3,418.89
RW-1	03/26/21	3465.02	-	46.09	0.00	3,418.93
RW-1	05/13/21	3465.02	-	46.06	0.00	3,418.96
RW-1	08/12/21	3465.02	-	46.17	0.00	3,418.85
RW-1	09/08/21	3465.02	-	46.21	0.00	3,418.81

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW-1	10/21/21	3465.02	-	46.27	0.00	3,418.75
RW-1	12/08/21	3465.02	-	46.32	0.00	3,418.70
RW-1	12/13/21	3465.02	-	46.30	0.00	3,418.72
RW-1	03/16/22	3465.02	-	46.32	0.00	3,418.70
RW-1	05/19/22	3465.02	-	46.33	0.00	3,418.69
RW-1	09/06/22	3465.02	-	46.46	0.00	3,418.56
RW-1	12/02/22	3465.02	-	46.47	0.00	3,418.55
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
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 2	02/23/06	3465.21	sheen	45.30	0.00	3419.91
RW - 2	03/0706	3465.21	-	45.26	0.00	3419.95
RW - 2	03/08/06	3465.21	sheen	45.27	0.00	3419.94
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	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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
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	01/23/14	3465.21	-	45.90	0.00	3419.31
RW - 2	01/28/14	3465.21	-	45.92	0.00	3419.29

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 2	02/11/14	3465.21	-	45.90	0.00	3419.31
RW - 2	02/26/14	3465.21	-	45.83	0.00	3419.38
RW - 2	03/21/14	3465.21	-	45.80	0.00	3419.41
RW - 2	03/29/14	3465.21	-	45.82	0.00	3419.39
RW - 2	04/10/14	3465.21	-	45.83	0.00	3419.38
RW - 2	04/17/14	3465.21	-	45.87	0.00	3419.34
RW - 2	04/17/14	3465.21	-	48.99	0.00	3416.22
RW - 2	04/24/14	3465.21	-	45.85	0.00	3419.36
RW - 2	05/01/14	3465.21	-	45.83	0.00	3419.38
RW - 2	05/06/14	3465.21	-	45.84	0.00	3419.37
RW - 2	05/12/14	3465.21	-	45.87	0.00	3419.34
RW - 2	05/23/14	3465.21	-	45.88	0.00	3419.33
RW - 2	05/27/14	3465.21	-	45.88	0.00	3419.33
RW - 2	06/05/14	3465.21	-	45.89	0.00	3419.32
RW - 2	06/18/14	3465.21	-	45.93	0.00	3419.28
RW - 2	07/01/14	3465.21	-	45.95	0.00	3419.26
RW - 2	07/23/14	3465.21	-	46.00	0.00	3419.21
RW - 2	08/06/14	3465.21	-	46.31	0.00	3418.90
RW - 2	08/11/14	3465.21	-	46.03	0.00	3419.18
RW - 2	08/21/14	3465.21	-	46.02	0.00	3419.19
RW - 2	09/04/14	3465.21	-	46.06	0.00	3419.15
RW - 2	10/28/14	3465.21	-	45.55	0.00	3419.66
RW - 2	11/15/14	3465.21	-	45.53	0.00	3419.68
RW - 2	02/17/15	3465.21	-	45.52	0.00	3419.69
RW - 2	02/18/15	3465.21	-	45.52	0.00	3419.69
RW - 2	03/19/15	3465.21	-	45.53	0.00	3419.68
RW - 2	04/16/15	3465.21	-	45.53	0.00	3419.68
RW - 2	05/28/15	3465.21	-	45.52	0.00	3419.69
RW - 2	07/21/15	3465.21	-	45.68	0.00	3419.53
RW - 2	08/20/15	3465.21	-	45.79	0.00	3419.42
RW - 2	09/11/15	3465.21	-	45.80	0.00	3419.41
RW - 2	10/15/15	3465.21	-	45.76	0.00	3419.45
RW - 2	11/30/15	3465.21	-	45.70	0.00	3419.51
RW - 2	12/11/15	3465.21	-	45.66	0.00	3419.55
RW - 2	01/19/16	3465.21	-	45.66	0.00	3419.55
RW - 2	02/25/16	3465.21	-	45.69	0.00	3419.52
RW - 2	03/17/16	3465.21	-	45.67	0.00	3419.54
RW - 2	04/13/16	3465.21	-	45.59	0.00	3419.62
RW - 2	06/02/16	3465.21	-	45.70	0.00	3419.51
RW - 2	06/30/16	3465.21	-	45.74	0.00	3419.47

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
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WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 2	07/26/16	3465.21	-	45.88	0.00	3419.33
RW - 2	08/23/16	3465.21	-	45.85	0.00	3419.36
RW - 2	09/12/16	3465.21	-	45.64	0.00	3419.57
RW - 2	10/12/16	3465.21	-	45.49	0.00	3419.72
RW - 2	12/01/16	3465.21	-	45.54	0.00	3419.67
RW - 2	12/28/16	3465.21	-	45.61	0.00	3419.60
RW - 2	01/25/17	3465.21	-	45.62	0.00	3419.59
RW - 2	02/23/17	3465.21	-	45.56	0.00	3419.65
RW - 2	03/30/17	3465.21	-	45.55	0.00	3419.66
RW - 2	04/11/17	3465.21	-	45.61	0.00	3419.60
RW - 2	05/04/17	3465.21	-	45.61	0.00	3419.60
RW - 2	06/07/17	3465.21	-	45.64	0.00	3419.57
RW - 2	07/06/17	3465.21	-	45.70	0.00	3419.51
RW - 2	08/23/17	3465.21	-	45.79	0.00	3419.42
RW - 2	11/29/17	3465.21	-	45.86	0.00	3419.35
RW - 2	12/26/17	3465.21	-	45.89	0.00	3419.32
RW - 2	02/28/18	3465.21	-	45.91	0.00	3419.30
RW - 2	05/24/18	3465.21	-	45.97	0.00	3419.24
RW - 2	06/28/18	3465.21	-	45.99	0.00	3419.22
RW - 2	08/21/18	3465.21	-	46.12	0.00	3419.09
RW - 2	12/05/18	3465.21	-	46.18	0.00	3419.03
RW - 2	12/31/18	3465.21	-	46.19	0.00	3419.02
RW - 2	01/18/19	3465.21	-	46.14	0.00	3419.07
RW - 2	02/25/19	3465.21	-	46.17	0.00	3419.04
RW - 2	05/21/19	3465.21	-	46.05	0.00	3419.16
RW - 2	07/02/19	3465.21	-	46.10	0.00	3419.11
RW - 2	07/30/19	3465.21	-	46.17	0.00	3419.04
RW - 2	08/21/19	3465.21	-	46.20	0.00	3419.01
RW - 2	12/10/19	3465.21	-	46.01	0.00	3419.20
RW - 2	01/21/20	3465.21	-	46.00	0.00	3419.21
RW - 2	02/25/20	3465.21	-	45.97	0.00	3419.24
RW - 2	06/03/20	3465.21	-	45.97	0.00	3419.24
RW - 2	09/21/20	3465.21	-	46.25	0.00	3418.96
RW - 2	11/13/20	3465.21	-	46.27	0.00	3418.94
RW - 2	03/26/21	3465.21	-	46.22	0.00	3418.99
RW - 2	05/14/21	3465.21	-	46.20	0.00	3419.01
RW - 2	09/08/21	3465.21	-	46.34	0.00	3418.87
RW - 2	12/08/21	3465.21	-	46.38	0.00	3418.83
RW - 2	12/13/21	3465.21	-	46.44	0.00	3418.77
RW - 2	03/16/22	3465.21	-	46.32	0.00	3418.89

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
HDO 90 - 23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 2	05/19/22	3465.21	-	46.42	0.00	3418.79
RW - 2	09/07/22	3465.21	-	46.57	0.00	3418.64
RW - 2	12/01/22	3465.21	-	46.59	0.00	3418.62

Note: Elevations based on North American Vertical Datum of 1929.
*Inconsistent Data

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 1	09/14/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	11/03/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	03/08/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	05/12/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	09/11/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	12/11/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	03/19/01	<0.001	<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	<0.001
MW - 1	11/20/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	02/20/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	06/25/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	09/17/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	11/20/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	02/11/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	05/15/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	08/26/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	11/24/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 1	02/18/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 1	12/07/04	<0.005	<0.005	<0.005	<0.005	
MW - 1	03/09/05	Not Sampled on Current Sample Schedule				
MW - 1	06/09/05	Not Sampled on Current Sample Schedule				
MW - 1	09/08/05	Not Sampled on Current Sample Schedule				
MW - 1	09/13/05	Plugged and Abandoned				
MW - 2	11/24/03	**7.530**	<0.010	**2.660**	**1.02**	0.034
MW - 2	05/12/04	**8.930**	0.0185	**2.040**	**0.916**	0.0518
MW - 2	12/08/04	**9.850**	0.202	**2.610**	**1.78**	
MW - 2	03/09/05	**5.320**	<0.05	**1.870**	**1.18**	
MW - 2	06/09/05	Not Sampled due to PSH in Well				
MW - 2	09/08/05	Not Sampled due to PSH in Well				
MW - 2	12/01/05	Not Sampled due to PSH in Well				
MW - 2	03/07/06	**4.940**	<0.1	**2.990**	**1.01**	
MW - 2	06/06/06	Not Sampled due to PSH in Well				
MW - 2	09/15/06	Not Sampled due to PSH in Well				
MW - 2	11/21/06	Not Sampled due to PSH in Well				
MW - 2	02/23/07	Not Sampled due to PSH in Well				
MW - 2	05/18/07	Not Sampled due to PSH in Well				
MW - 2	08/21/07	Not Sampled due to PSH in Well				
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**	

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
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	
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	Not Sampled due to PSH in Well				
MW - 2	05/11/10	Not Sampled due to PSH in Well				
MW - 2	08/10/10	Not Sampled due to PSH in Well				
MW - 2	11/09/10	Not Sampled due to PSH in Well				
MW - 2	02/15/11	Not Sampled due to PSH in Well				
MW - 2	05/05/11	Not Sampled due to PSH in Well				
MW - 2	08/04/11	Not Sampled due to PSH in Well				
MW - 2	11/21/11	Not Sampled due to PSH in Well				
MW - 2	02/13/12	Not Sampled due to PSH in Well				
MW - 2	05/29/12	Not Sampled due to PSH in Well				
MW - 2	08/10/12	Not Sampled due to PSH in Well				
MW - 2	11/06/12	Not Sampled due to PSH in Well				
MW - 2	02/06/13	Not Sampled due to PSH in Well				
MW - 2	05/08/13	Not Sampled due to PSH in Well				
MW - 2	08/01/13	Not Sampled due to PSH in Well				
MW - 2	11/05/13	0.009	<0.00100	<0.00100	<0.00100	
MW - 2	02/26/14	Not Sampled due to PSH in Well				
MW - 2	05/12/14	Not Sampled due to PSH in Well				
MW - 2	08/11/14	Not Sampled due to PSH in Well				
MW - 2	11/15/14	Not Sampled due to PSH in Well				
MW - 2	02/18/15	Not Sampled due to PSH in Well				
MW - 2	05/28/15	Not Sampled due to PSH in Well				
MW - 2	08/20/15	Not Sampled due to PSH in Well				
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	Not Sampled due to PSH in Well				
MW - 2	09/12/16	Not Sampled due to PSH in Well				
MW - 2	12/01/16	**2.97**	<0.0400	0.177	0.142	
MW - 2	02/23/17	Not Sampled				
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	Not Sampled due to PSH in Well				
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	

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		**0.01**	**0.75**	**0.75**	**0.62**	
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	Not Sampled due to PSH in Well				
MW - 2	09/21/20	Not Sampled due to PSH in Well				
MW - 2	11/13/20	Not Sampled due to PSH in Well				
MW - 2	03/26/21	Not Sampled due to PSH in Well				
MW - 2	05/14/21	Not Sampled due to PSH in Well				
MW - 2	09/08/21	Not Sampled due to PSH in Well				
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 - 3	09/14/99	**1.8500**	0.079	**1.8200**	0.116	<0.050
MW - 3	11/03/99	**1.9000**	<0.001	**2.0600**	0.16	<0.100
MW - 3	03/08/00	**1.0400**	<0.010	**1.4300**	<0.010	<0.010
MW - 3	05/12/00	**0.5450**	0.004	0.2590	<0.001	<0.001
MW - 3	09/11/00	**0.5720**	0.013	**1.4900**	<0.010	<0.010
MW - 3	12/11/00	**0.3720**	<0.010	**1.5700**	0.038	0.038
MW - 3	03/19/01	**0.7810**	<0.005	**1.3400**	0.01	<0.005
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	<0.001
MW - 3	11/20/01	**1.4400**	<0.001	**0.9710**	0.021	<0.001
MW - 3	02/20/02	**1.8700**	<0.001	**1.1400**	0.043	<0.001
MW - 3	06/25/02	**1.8000**	<0.001	**1.1000**	0.471	<0.001
MW - 3	09/17/02	**1.9600**	<0.001	**1.3100**	0.018	<0.001
MW - 3	11/20/02	**1.2300**	<0.001	**1.3300**	0.027	0.001
MW - 3	02/11/03	**13.6000**	<0.001	**13.0000**	0.595	0.003
MW - 3	05/14/03	**2.1800**	<0.001	**1.0600**	0.041	<0.001
MW - 3	08/26/03	**3.0000**	<0.001	0.6170	0.016	<0.001
MW - 3	11/24/03	**3.0000**	<0.001	0.4070	0.015	<0.001
MW - 3	02/18/04	**2.9000**	<0.001	0.2180	0.015	<0.001
MW - 3	05/12/04	**0.9360**	<0.001	**1.4400**	0.16	0.022
MW - 3	08/25/04	**0.0188**	<.001	**0.7940**	0.023	0.00189
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	

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 3	12/01/05	**0.1020**	<0.02	<0.02	<0.02	
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	Not Sampled				
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	<0.00100	<0.001	
MW - 3	08/01/13	<0.001	<0.001	<0.00100	<0.001	
MW - 3	11/05/13	<0.001	<0.001	<0.00100	<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	

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
HDO 90-23
LEA COUNTY, NEW MEXICO
NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
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	
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 - 4	09/14/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	11/03/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	03/08/00	<0.001	<0.001	0.0020	<0.001	<0.001
MW - 4	05/12/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	09/11/00	<0.001	0.002	<0.001	<0.001	<0.001
MW - 4	12/11/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	03/19/01	<0.001	<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	<0.001
MW - 4	11/20/01	0.0010	<0.001	<0.001	<0.001	<0.001
MW - 4	02/20/02	0.0010	<0.001	<0.001	<0.001	<0.001
MW - 4	06/25/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	09/17/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	11/20/02	<0.001	<0.001	<0.001	<0.001	<0.001

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
HDO 90-23
LEA COUNTY, NEW MEXICO
NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 4	02/11/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	05/15/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	08/26/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	11/24/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 4	02/18/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 4	12/07/04	<0.001	<0.001	<0.001	<0.001	
MW - 4	03/09/05	Not Sampled on Current Sample Schedule				
MW - 4	06/09/05	Not Sampled				
MW - 4	09/08/05	Not Sampled on Current Sample Schedule				
MW - 4	12/01/05	<0.001	<0.001	<0.001	<0.001	
MW - 4	03/07/06	Not Sampled on Current Sample Schedule				
MW - 4	06/06/06	<0.005	<0.005	<0.005	<0.005	
MW - 4	09/15/06	Not Sampled on Current Sample Schedule				
MW - 4	11/21/06	<0.001	<0.001	<0.001	<0.001	
MW - 4	02/23/07	Not Sampled on Current Sample Schedule				
MW - 4	05/18/07	<0.001	<0.001	<0.001	<0.001	
MW - 4	08/21/07	Not Sampled on Current Sample Schedule				
MW - 4	11/05/07	<0.001	<0.001	<0.001	<0.001	
MW - 4	02/09/08	Not Sampled on Current Sample Schedule				
MW - 4	05/09/08	<0.001	<0.001	<0.001	<0.001	
MW - 4	08/13/08	Not Sampled on Current Sample Schedule				
MW - 4	11/06/08	<0.001	<0.001	<0.001	<0.001	
MW - 4	02/05/09	Not Sampled on Current Sample Schedule				
MW - 4	05/08/09	<0.001	<0.001	<0.001	<0.001	
MW - 4	08/05/09	Not Sampled on Current Sample Schedule				
MW - 4	11/16/09	<0.001	<0.001	<0.001	<0.001	
MW - 4	02/08/10	Not Sampled on Current Sample Schedule				
MW - 4	05/11/10	<0.001	<0.001	<0.001	<0.001	
MW - 4	08/10/10	Not Sampled on Current Sample Schedule				
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	Not Sampled on Current Sample Schedule				
MW - 4	08/04/11	Not Sampled on Current Sample Schedule				
MW - 4	11/21/11	<0.001	<0.001	<0.001	<0.001	
MW - 4	02/13/12	Not Sampled on Current Sample Schedule				
MW - 4	05/29/12	<0.001	<0.001	<0.001	<0.001	
MW - 4	08/10/12	Not Sampled on Current Sample Schedule				
MW - 4	11/07/12	<0.001	<0.001	<0.001	<0.001	
MW - 4	02/06/13	Not Sampled on Current Sample Schedule				
MW - 4	05/09/13	<0.001	<0.001	<0.001	<0.001	
MW - 4	08/01/13	Not Sampled on Current Sample Schedule				
MW - 4	11/05/13	<0.001	<0.001	<0.001	<0.001	

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
HDO 90-23
LEA COUNTY, NEW MEXICO
NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 4	02/26/14	Not Sampled on Current Sample Schedule				
MW - 4	05/29/14	<0.00100	<0.00100	<0.00100	<0.00300	
MW - 4	08/11/14	Not Sampled on Current Sample Schedule				
MW - 4	12/18/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 4	02/18/15	Not Sampled on Current Sample Schedule				
MW - 4	05/28/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 4	08/20/15	Not Sampled on Current Sample Schedule				
MW - 4	11/30/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 4	02/25/16	Not Sampled on Current Sample Schedule				
MW - 4	06/02/16	<0.00100	0.0110	<0.00100	0.00150	
MW - 4	09/12/16	Not Sampled on Current Sample Schedule				
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	Not Sampled on Current Sample Schedule				
MW - 4	05/04/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 4	08/23/17	Not Sampled on Current Sample Schedule				
MW - 4	11/29/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 4	02/28/18	Not Sampled on Current Sample Schedule				
MW - 4	05/24/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 4	08/21/18	Not Sampled on Current Sample Schedule				
MW - 4	12/05/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 4	02/25/19	Not Sampled on Current Sample Schedule				
MW - 4	05/22/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 4	08/21/19	Not Sampled on Current Sample Schedule				
MW - 4	12/10/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 4	02/25/20	Not Sampled on Current Sample Schedule				
MW - 4	06/02/20	<0.00100	<0.00500	<0.00100	<0.00500	
MW - 4	09/21/20	Not Sampled on Current Sample Schedule				
MW - 4	11/13/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 4	03/26/21	Not Sampled on Current Sample Schedule				
MW - 4	05/14/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 4	09/08/21	Not Sampled on Current Sample Schedule				
MW - 4	12/08/21	Not Sampled on Current Sample Schedule				
MW - 4	03/16/22	Not Sampled on Current Sample Schedule				
MW - 4	05/19/22	Not Sampled on Current Sample Schedule				
MW - 4	09/07/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 4	11/30/22	Not Sampled on Current Sample Schedule				
MW - 5	09/14/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	11/03/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	03/08/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	05/12/00	<0.001	<0.001	<0.001	<0.001	<0.001

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 5	09/11/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	12/11/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	03/19/01	<0.001	<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	<0.001
MW - 5	11/20/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	02/20/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	06/25/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	09/17/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	11/20/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	05/15/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	08/26/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 5	11/24/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 5	02/18/04	<0.001	<0.001	<0.001	<0.002	<0.001
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

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
HDO 90-23
LEA COUNTY, NEW MEXICO
NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		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	Not Sampled on Current Sample Schedule				
MW - 5	06/02/20	<0.00100	<0.00500	<0.00100	<0.00500	
MW - 5	09/21/20	Not Sampled on Current Sample Schedule				
MW - 5	11/13/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 5	03/26/21	Not Sampled on Current Sample Schedule				
MW - 5	05/14/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 5	09/08/21	Not Sampled on Current Sample Schedule				
MW - 5	12/08/21	Not Sampled on Current Sample Schedule				
MW - 5	03/16/22	Not Sampled on Current Sample Schedule				

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		**0.01**	**0.75**	**0.75**	**0.62**	
MW - 5	05/19/22	Not Sampled on Current Sample Schedule				
MW - 5	09/07/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 5	11/30/22	Not Sampled on Current Sample Schedule				
MW - 6	09/14/99	**0.0720**	0.063	0.0200	0.022	0.01
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**	**2.8**	
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**	**1.35**	
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				
MW - 6	11/05/13	Not Sampled due to PSH in Well				
MW - 6	02/26/14	Not Sampled due to PSH in Well				

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
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	Not Sampled due to PSH in Well				
MW - 6	06/02/20	Not Sampled due to PSH in Well				
MW - 6	09/21/20	Not Sampled due to PSH in Well				
MW - 6	11/13/20	Not Sampled due to PSH in Well				
MW - 6	03/26/21	Not Sampled due to PSH in Well				
MW - 6	05/14/21	Not Sampled due to PSH in Well				
MW - 6	09/08/21	Not Sampled due to PSH in Well				
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 - 7	09/14/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	11/03/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	03/08/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	05/12/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	09/11/00	0.0020	<0.001	<0.001	<0.001	<0.001
MW - 7	12/11/00	<0.001	<0.001	<0.001	<0.001	<0.001

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 7	03/19/01	<0.001	<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	<0.001
MW - 7	11/20/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	02/20/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	06/25/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	09/17/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	11/20/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	02/11/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	05/15/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	08/26/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	11/24/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 7	02/18/04	<0.001	<0.001	<0.001	<0.002	<0.001
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	<0.001
MW - 8	11/03/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	03/08/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	05/12/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	09/11/00	<0.001	<0.001	0.0020	<0.001	<0.001
MW - 8	12/11/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	03/19/01	<0.001	<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	<0.001
MW - 8	11/20/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	02/20/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	06/25/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	09/17/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	11/20/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	02/11/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	05/15/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	08/26/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	11/24/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 8	02/18/04	<0.001	<0.001	<0.001	<0.002	<0.001
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	

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
HDO 90-23
LEA COUNTY, NEW MEXICO
NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
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				
MW - 8	06/02/16	Not Sampled on Current Sample Schedule				

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
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	Not Sampled on Current Sample Schedule				
MW - 8	06/02/20	Not Sampled on Current Sample Schedule				
MW - 8	09/21/20	Not Sampled on Current Sample Schedule				
MW - 8	11/13/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 8	03/26/21	Not Sampled on Current Sample Schedule				
MW - 8	05/14/21	Not Sampled on Current Sample Schedule				
MW - 8	09/08/21	Not Sampled on Current Sample Schedule				
MW - 8	12/08/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 8	03/16/22	Not Sampled on Current Sample Schedule				
MW - 8	05/19/22	Not Sampled on Current Sample Schedule				
MW - 8	09/06/22	Not Sampled on Current Sample Schedule				
MW - 8	12/02/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 9	01/10/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 9	02/11/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 9	05/15/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 9	08/26/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 9	11/24/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 9	02/18/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 9	05/12/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 9	08/23/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 9	12/07/04	<0.001	<0.001.	<0.001	<0.001	
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	

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
HDO 90-23
LEA COUNTY, NEW MEXICO
NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
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				
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	

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
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	<0.0200	
MW - 9	08/21/18	Not Sampled on Current Sample Schedule				
MW - 9	12/05/18	<0.00100	<0.0100	<0.00500	<0.0200	
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	Not Sampled on Current Sample Schedule				
MW - 9	06/18/20	<0.00100	<0.00500	<0.00500	<0.00500	
MW - 9	09/21/20	Not Sampled on Current Sample Schedule				
MW - 9	11/13/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 9	03/26/21	Not Sampled on Current Sample Schedule				
MW - 9	05/14/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 9	09/08/21	Not Sampled on Current Sample Schedule				
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 - 10	01/10/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 10	02/11/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 10	05/15/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 10	08/26/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 10	11/24/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 10	02/18/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 10	05/12/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 10	08/23/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 10	12/07/04	<0.001	<0.001	<0.001	<0.001	
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	<0.001
MW - 11	02/11/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 11	05/15/03	<0.001	<0.001	<0.001	<0.001	<0.001

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 11	08/26/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 11	11/24/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 11	02/18/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 11	05/12/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 11	08/23/04	<0.001	<0.001	<0.001	<0.002	<0.001
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	<0.001
MW - 12	02/11/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 12	05/15/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 12	08/26/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 12	11/24/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 12	02/18/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 12	05/12/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 12	08/23/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 12	12/07/04	<0.001	<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	
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	

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
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	
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	

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
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	Not Sampled on Current Sample Schedule				
MW - 12	12/08/21	Not Sampled on Current Sample Schedule				
MW - 12	03/16/22	Not Sampled on Current Sample Schedule				
MW - 12	05/19/22	Not Sampled on Current Sample Schedule				
MW - 12	09/07/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 12	11/30/22	Not Sampled on Current Sample Schedule				
MW - 13	01/10/03	0.0020	<0.001	<0.001	<0.001	<0.001
MW - 13	02/11/03	0.0020	<0.001	<0.001	<0.001	<0.001
MW - 13	05/15/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 13	08/26/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 13	11/24/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 13	02/18/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 13	05/12/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 13	08/23/04	<0.001	<0.001	<0.001	<0.002	<0.001
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	
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	

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
HDO 90-23
LEA COUNTY, NEW MEXICO
NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
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	
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	

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 13	09/08/21	Not Sampled on Current Sample Schedule				
MW - 13	12/08/21	Not Sampled on Current Sample Schedule				
MW - 13	03/16/22	Not Sampled on Current Sample Schedule				
MW - 13	05/19/22	Not Sampled on Current Sample Schedule				
MW - 13	09/07/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 13	11/30/22	Not Sampled on Current Sample Schedule				
MW - 14	01/10/03	**0.0710**	0.007	0.1340	0.011	0.008
MW - 14	02/11/03	**0.0930**	0.007	0.2600	0.013	0.001
MW - 14	05/15/03	**0.0460**	0.003	0.1380	0.008	<0.001
MW - 14	08/26/03	**0.0260**	0.003	0.0850	0.003	0.002
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	
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	

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
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	<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	
MW - 14	09/08/21	Not Sampled on Current Sample Schedule				
MW - 14	12/08/21	Not Sampled on Current Sample Schedule				
MW - 14	03/16/22	Not Sampled on Current Sample Schedule				
MW - 14	05/19/22	Not Sampled on Current Sample Schedule				
MW - 14	09/07/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 14	11/30/22	Not Sampled on Current Sample Schedule				

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 15	01/10/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 15	02/11/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 15	05/15/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 15	08/26/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 15	11/24/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 15	02/18/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 15	05/12/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 15	08/25/04	<0.001	<0.001	<0.001	<0.002	<0.001
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	
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	

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
HDO 90-23
LEA COUNTY, NEW MEXICO
NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
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	
MW - 15	09/08/21	Not Sampled on Current Sample Schedule				
MW - 15	12/08/21	Not Sampled on Current Sample Schedule				
MW - 15	03/16/22	Not Sampled on Current Sample Schedule				
MW - 15	05/19/22	Not Sampled on Current Sample Schedule				
MW - 15	09/07/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 15	11/30/22	Not Sampled on Current Sample Schedule				
MW - 16	12/10/04	<0.001	<0.001	<0.001	<0.001	

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
HDO 90-23
LEA COUNTY, NEW MEXICO
NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
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				
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				

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
HDO 90-23
LEA COUNTY, NEW MEXICO
NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
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	Not Sampled on Current Sample Schedule				
MW - 16	06/02/20	Not Sampled on Current Sample Schedule				
MW - 16	09/21/20	Not Sampled on Current Sample Schedule				
MW - 16	11/13/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 16	03/26/21	Not Sampled on Current Sample Schedule				
MW - 16	05/14/21	Not Sampled on Current Sample Schedule				
MW - 16	09/08/21	Not Sampled on Current Sample Schedule				
MW - 16	12/08/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 16	03/16/22	Not Sampled on Current Sample Schedule				
MW - 16	05/19/22	Not Sampled on Current Sample Schedule				
MW - 16	09/06/22	Not Sampled on Current Sample Schedule				
MW - 16	12/02/22	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	Not Sampled				
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	

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
HDO 90-23
LEA COUNTY, NEW MEXICO
NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
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	
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	

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
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	Not Sampled on Current Sample Schedule				
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	
RW - 1	05/15/03	**1.130**	<0.001	0.2930	0.048	0.001
RW - 1	11/24/03	**3.680**	0.001	**1.6000**	0.044	0.003
RW - 1	02/18/04	**1.320**	0.001	0.6680	0.026	0.003
RW - 1	05/12/04	**1.500**	0.00272	**0.8500**	0.0313	0.0101
RW - 1	08/25/04	**0.980**	0.0287	0.3410	0.116	0.0652
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	Not Sampled due to PSH in Well				
RW - 1	12/01/05	**2.160**	0.212	**1.0000**	0.507	
RW - 1	03/07/06	**2.980**	<0.2	**1.0200**	**0.713**	
RW - 1	06/06/06	**3.750**	0.0239	**1.1200**	**1.05**	
RW - 1	09/15/06	**1.820**	<0.02	0.4370	0.473	
RW - 1	11/21/06	**2.050**	<0.02	**0.8310**	**0.837**	
RW - 1	02/23/07	**2.020**	<0.2	0.6390	0.503	
RW - 1	05/18/07	**1.720**	<0.05	0.6850	0.502	
RW - 1	08/21/07	**2.580**	<0.05	**1.4300**	**1.04**	
RW - 1	11/07/07	**1.580**	<0.2	<0.2	<0.2	
RW - 1	02/09/08	**0.815**	<0.020	0.4940	0.249	
RW - 1	05/09/08	**0.340**	<0.01	0.1790	0.135	
RW - 1	08/13/08	**0.0126**	<0.005	<0.005	0.0082	

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
RW - 1	11/06/08	**1.060**	0.0431	0.3800	0.164	
RW - 1	02/05/09	**0.505**	0.0065	0.2680	0.092	
RW - 1	05/08/09	**0.823**	<0.005	0.4160	0.120	
RW - 1	08/05/09	**0.792**	0.0190	0.1880	0.096	
RW - 1	11/16/09	**0.512**	<0.005	0.0176	<0.005	
RW - 1	02/08/10	**0.543**	<0.005	0.0412	0.03	
RW - 1	05/11/10	**0.426**	<0.005	0.0202	<0.005	
RW - 1	08/10/10	**0.580**	<0.001	<0.001	<0.001	
RW - 1	11/09/10	**0.550**	0.0355	0.0679	0.0966	
RW - 1	02/15/11	**0.434**	<0.0100	<0.0100	0.202	
RW - 1	05/05/11	**0.434**	<0.005	<0.005	<0.005	
RW - 1	08/04/11	**0.428**	<0.005	<0.005	<0.005	
RW - 1	11/21/11	**0.174**	<0.001	0.0047	0.0035	
RW - 1	02/13/12	**0.166**	<0.001	0.0203	0.0121	
RW - 1	05/29/12	**0.138**	<0.001	0.0055	0.0097	
RW - 1	08/10/12	**0.068**	<0.001	0.0244	0.0272	
RW - 1	11/06/12	**0.103**	<0.001	0.0199	0.0138	
RW - 1	02/06/13	**0.111**	<0.005	<0.005	<0.005	
RW - 1	05/08/13	**0.0517**	<.00100	<.00100	<.00100	
RW - 1	08/01/13	<0.00100	<.00100	<.00100	<.00100	
RW - 1	11/05/13	**0.2080**	<.00100	0.0266	0.0166	
RW - 1	02/26/14	**0.424**	<0.0500	<0.0500	<0.150	
RW - 1	05/12/14	**0.398**	<0.0500	<0.0500	<0.150	
RW - 1	08/11/14	**0.163**	<0.00100	<0.00100	<0.00100	
RW - 1	11/15/14	**0.998**	<0.00100	0.227	0.429	
RW - 1	02/18/15	**0.619**	<0.0500	0.110	0.0957	
RW - 1	05/28/15	**0.526**	<0.0500	0.0920	<0.0500	
RW - 1	08/20/15	**0.313**	<0.0500	0.0551	<0.0500	
RW - 1	11/30/15	**0.268**	<0.00100	0.0303	0.00380	
RW - 1	02/25/16	**0.225**	<0.00100	0.0380	<0.00100	
RW - 1	06/02/16	**0.145**	<0.00100	0.0106	0.00210	
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	<0.00200
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	

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
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 - 2	05/15/03	**0.8010**	<0.001	0.4480	0.070	
RW - 2	11/24/03	**0.3020**	0.002	0.7240	0.135	
RW - 2	02/18/04	**0.1400**	<0.001	0.7370	0.134	
RW - 2	05/12/04	**0.1700**	<0.001	0.3790	0.07673	
RW - 2	08/25/04	**0.1660**	<0.001	0.1040	0.03569	
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	Not Sampled				
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	

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
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	
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	

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
HDO 90-23
LEA COUNTY, NEW MEXICO
NMOCD Reference Number AP-009

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
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	

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM HDO-90-23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		---	---	**0.001 mg/L**	**0.0001 mg/L**	**0.0007 mg/L**	**0.001 mg/L**	---	**0.001 mg/L**	**0.0002 mg/L**	**0.0003 mg/L**	**0.001 mg/L**	**0.001 mg/L**	**0.0004 mg/L**	**0.001 mg/L**	**0.001 mg/L**	**0.03 mg/L**			---
MW-2	11/06/08	<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	Not Sampled due to the presence of PSH.																		
MW-2	12/16/11	Not Sampled due to the presence of PSH.																		
MW-2	11/06/12	Not Sampled due to the presence of PSH.																		
MW-2	11/05/13	Not Sampled due to the presence of PSH.																		
MW-2	11/15/14	Not Sampled due to the presence of 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	Not Sampled																		
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	Not Sampled due to the presence of 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-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	Not Sampled as part of Quarterly Monitoring Event.																		
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	Not Sampled as part of Quarterly Monitoring Event.																		
MW-3	11/15/14	Not Sampled as part of Quarterly Monitoring Event.																		
MW-3	11/30/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-3	12/01/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-3	11/29/17	Not Sampled as part of Quarterly Monitoring Event.																		
MW-3	12/05/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-3	12/10/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-3	11/13/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-3	12/13/21	Not Sampled as part of Quarterly Monitoring Event.																		
MW-3	12/01/22	Not Sampled as part of Quarterly Monitoring Event.																		
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	<0.000183

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM HDO-90-23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		---	---	**0.001 mg/L**	**0.0001 mg/L**	**0.0007 mg/L**	**0.001 mg/L**	---	**0.001 mg/L**	**0.0002 mg/L**	**0.0003 mg/L**	**0.001 mg/L**	**0.001 mg/L**	**0.0004 mg/L**	**0.001 mg/L**	**0.001 mg/L**	**0.03 mg/L**			---
MW-4	11/16/09	<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	<0.000183
MW-4	11/09/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-4	12/16/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-4	11/06/12	Not Sampled as part of Quarterly Monitoring Event.																		
MW-4	11/05/13	Not Sampled as part of Quarterly Monitoring Event.																		
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	<0.000200
MW-4	11/30/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-4	12/01/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-4	11/29/17	Not Sampled as part of Quarterly Monitoring Event.																		
MW-4	12/05/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-4	12/10/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-4	11/13/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-4	12/08/21	Not Sampled as part of Quarterly Monitoring Event.																		
MW-4	12/01/22	Not Sampled as part of Quarterly Monitoring Event.																		
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	<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	<0.000183
MW-5	11/09/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	12/16/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	11/06/12	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	11/05/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	11/15/14	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	11/30/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	12/01/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	11/29/17	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	12/05/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	12/10/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	11/13/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	12/08/21	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	12/01/22	Not Sampled as part of Quarterly Monitoring Event.																		
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	<0.0188	**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

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM HDO-90-23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		---	---	**0.001 mg/L**	**0.0001 mg/L**	**0.0007 mg/L**	**0.001 mg/L**	---	**0.001 mg/L**	**0.0002 mg/L**	**0.0003 mg/L**	**0.001 mg/L**	**0.001 mg/L**	**0.0004 mg/L**	**0.001 mg/L**	**0.001 mg/L**	**0.03 mg/L**			---
MW-6	11/09/10	Not Sampled due to the presence of PSH.																		
MW-6	12/16/11	Not Sampled due to the presence of PSH.																		
MW-6	11/06/12	Not Sampled due to the presence of PSH.																		
MW-6	11/05/13	Not Sampled due to the presence of PSH.																		
MW-6	11/15/14	Not Sampled due to the presence of PSH.																		
MW-6	11/30/15	Not Sampled due to the presence of PSH.																		
MW-6	12/01/16	Not Sampled due to the presence of PSH.																		
MW-6	11/29/17	Not Sampled due to the presence of PSH.																		
MW-6	12/05/18	Not Sampled due to the presence of PSH.																		
MW-6	12/10/19	Not Sampled due to the presence of PSH.																		
MW-6	11/13/20	Not Sampled due to the presence of 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-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	<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	<0.000183
MW-8	11/09/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-8	12/16/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-8	11/06/12	Not Sampled as part of Quarterly Monitoring Event.																		
MW-8	11/05/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-8	11/15/14	Not Sampled as part of Quarterly Monitoring Event.																		
MW-8	11/30/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-8	12/01/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-8	11/29/17	Not Sampled as part of Quarterly Monitoring Event.																		
MW-8	12/05/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-8	12/10/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-8	11/13/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-8	12/08/21	Not Sampled as part of Quarterly Monitoring Event.																		
MW-8	12/01/22	Not Sampled as part of Quarterly Monitoring Event.																		
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	<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	<0.000183
MW-9	11/09/10	Not Sampled as part of Quarterly Monitoring Event.																		

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM HDO-90-23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		---	---	**0.001 mg/L**	**0.0001 mg/L**	**0.0007 mg/L**	**0.001 mg/L**	---	**0.001 mg/L**	**0.0002 mg/L**	**0.0003 mg/L**	**0.001 mg/L**	**0.001 mg/L**	**0.0004 mg/L**	**0.001 mg/L**	**0.001 mg/L**	**0.03 mg/L**			---
MW-9	12/16/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-9	11/06/12	Not Sampled as part of Quarterly Monitoring Event.																		
MW-9	11/05/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-9	11/15/14	Not Sampled as part of Quarterly Monitoring Event.																		
MW-9	11/30/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-9	12/01/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-9	11/29/17	Not Sampled as part of Quarterly Monitoring Event.																		
MW-9	12/05/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-9	12/10/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-9	11/13/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-9	12/13/21	Not Sampled as part of Quarterly Monitoring Event.																		
MW-9	12/01/22	Not Sampled as part of Quarterly Monitoring Event.																		
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	<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	<0.000183
MW-12	11/09/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	12/16/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	11/06/12	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	11/05/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	11/15/14	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	11/30/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	12/01/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	11/29/17	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	12/05/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	12/10/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	11/13/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	12/08/21	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	12/01/22	Not Sampled as part of Quarterly Monitoring Event.																		
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	<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	<0.000183
MW-13	11/09/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	12/16/11	Not Sampled as part of Quarterly Monitoring Event.																		

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM HDO-90-23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		---	---	**0.001 mg/L**	**0.0001 mg/L**	**0.0007 mg/L**	**0.001 mg/L**	---	**0.001 mg/L**	**0.0002 mg/L**	**0.0003 mg/L**	**0.001 mg/L**	**0.001 mg/L**	**0.0004 mg/L**	**0.001 mg/L**	**0.001 mg/L**	**0.03 mg/L**			---
MW-13	11/06/12	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	11/05/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	11/15/14	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	11/30/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	12/01/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	11/29/17	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	12/05/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	12/10/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	11/13/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	12/08/21	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	12/01/22	Not Sampled as part of Quarterly Monitoring Event.																		
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	<0.000183
MW-14	11/09/10	Not Sampled as part of Quarterly Monitoring Event.																		
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	<0.000184	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	0.00221
MW-14	11/05/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-14	11/15/14	Not Sampled as part of Quarterly Monitoring Event.																		
MW-14	11/30/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-14	12/01/16	Monitor Well Damaged, could not be sampled																		
MW-14	11/29/17	Not Sampled as part of Quarterly Monitoring Event.																		
MW-14	12/05/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-14	12/10/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-14	11/13/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-14	12/08/21	Not Sampled as part of Quarterly Monitoring Event.																		
MW-14	12/01/22	Not Sampled as part of Quarterly Monitoring Event.																		
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	<0.000184	0.000857	<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	Not Sampled as part of Quarterly Monitoring Event.																		
MW-15	12/16/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-15	11/06/12	Not Sampled as part of Quarterly Monitoring Event.																		

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM HDO-90-23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		---	---	0.001 mg/L	0.0001 mg/L	0.0007 mg/L	0.001 mg/L	---	0.001 mg/L	0.0002 mg/L	0.0003 mg/L	0.001 mg/L	0.001 mg/L	0.0004 mg/L	0.001 mg/L	0.001 mg/L	0.03 mg/L			---
MW-15	11/05/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-15	11/15/14	Not Sampled as part of Quarterly Monitoring Event.																		
MW-15	11/30/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-15	12/01/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-15	11/29/17	Not Sampled as part of Quarterly Monitoring Event.																		
MW-15	12/05/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-15	12/10/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-15	11/13/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-15	12/08/21	Not Sampled as part of Quarterly Monitoring Event.																		
MW-15	12/01/22	Not Sampled as part of Quarterly Monitoring Event.																		
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	Not Sampled as part of Quarterly Monitoring Event.																		
MW-16	12/16/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-16	11/06/12	Not Sampled as part of Quarterly Monitoring Event.																		
MW-16	11/05/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-16	11/15/14	Not Sampled as part of Quarterly Monitoring Event.																		
MW-16	11/30/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-16	12/01/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-16	11/29/17	Not Sampled as part of Quarterly Monitoring Event.																		
MW-16	12/05/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-16	12/10/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-16	11/13/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-16	12/08/21	Not Sampled as part of Quarterly Monitoring Event.																		
MW-16	12/01/22	Not Sampled as part of Quarterly Monitoring Event.																		
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	<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	<0.000183
MW-17	11/09/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-17	12/16/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-17	11/06/12	Not Sampled as part of Quarterly Monitoring Event.																		
MW-17	11/05/13	Not Sampled as part of Quarterly Monitoring Event.																		

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM HDO-90-23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		---	---	**0.001 mg/L**	**0.0001 mg/L**	**0.0007 mg/L**	**0.001 mg/L**	---	**0.001 mg/L**	**0.0002 mg/L**	**0.0003 mg/L**	**0.001 mg/L**	**0.001 mg/L**	**0.0004 mg/L**	**0.001 mg/L**	**0.001 mg/L**	**0.03 mg/L**			---
MW-17	11/15/14	Not Sampled as part of Quarterly Monitoring Event.																		
MW-17	11/30/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-17	12/01/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-17	11/29/17	Not Sampled as part of Quarterly Monitoring Event.																		
MW-17	12/05/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-17	12/10/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-17	11/13/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-17	12/13/21	Not Sampled as part of Quarterly Monitoring Event.																		
MW-17	12/01/22	Not Sampled as part of Quarterly Monitoring Event.																		
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	Not Sampled as part of Quarterly Monitoring Event.																		
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	Not Sampled as part of Quarterly Monitoring Event.																		
RW-1	11/05/13	Not Sampled as part of Quarterly Monitoring Event.																		
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	Not Sampled																		
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	Not Sampled as part of Quarterly Monitoring Event.																		
RW-1	12/08/21	Not Sampled as part of Quarterly Monitoring Event.																		
RW-1	12/01/22	Not Sampled as part of Quarterly Monitoring Event.																		
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	<0.000183
RW-2	11/09/10	Not Sampled as part of Quarterly Monitoring Event.																		
RW-2	12/16/11	Not Sampled as part of Quarterly Monitoring Event.																		
RW-2	11/06/12	Not Sampled as part of Quarterly Monitoring Event.																		
RW-2	11/05/13	Not Sampled as part of Quarterly Monitoring Event.																		
RW-2	11/15/14	Not Sampled as part of Quarterly Monitoring Event.																		

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM HDO-90-23
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-009

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																	
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		---	---	**0.001 mg/L**	**0.0001 mg/L**	**0.0007 mg/L**	**0.001 mg/L**	---	**0.001 mg/L**	**0.0002 mg/L**	**0.0003 mg/L**	**0.001 mg/L**	**0.001 mg/L**	**0.0004 mg/L**	**0.001 mg/L**	**0.001 mg/L**	**0.03 mg/L**			---
RW-2	11/30/15	Not Sampled as part of Quarterly Monitoring Event.																	
RW-2	12/01/16	Not Sampled as part of Quarterly Monitoring Event.																	
RW-2	11/29/17	Not Sampled as part of Quarterly Monitoring Event.																	
RW-2	12/05/18	Not Sampled as part of Quarterly Monitoring Event.																	
RW-2	12/10/19	Not Sampled as part of Quarterly Monitoring Event.																	
RW-2	11/13/20	Not Sampled as part of Quarterly Monitoring Event.																	
RW-2	12/13/21	Not Sampled as part of Quarterly Monitoring Event.																	
RW-2	12/01/22	Not Sampled as part of Quarterly Monitoring Event.																	

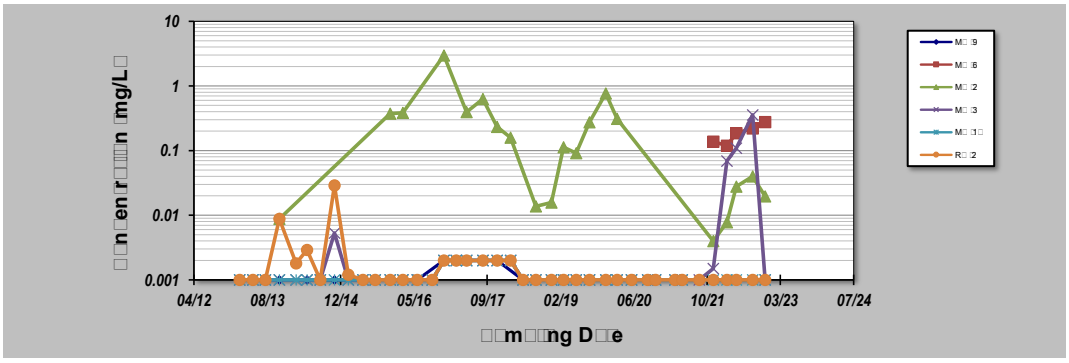
□□BL□ □

G□□M□□□□□□□D□LL □□ □L□□□

□□r □□n□□□□□en□□rend □n□□□□□□

Evaluation Date:	01/01/□□	Job ID:	□□□00□
Facility Name:	□D□ 90□□□	Constituent:	Benzene
Conducted By:	□R□	Concentration Units:	mg/L

Sampling Point ID:	M□ □9	M□ □6	M□ □□	M□ □□	M□ □1□	R□ □□	
Sampling Event	Sampling Date	BENZENE CONCENTRATION (mg/L)						
1	02/06/13				0.001	0.001	0.001	
2	05/08/13	0.001			0.001	0.001	0.001	
3	08/01/13				0.001	0.001	0.001	
4	11/05/13	0.001		0.009	0.001	0.001	0.0088	
5	02/26/14				0.00100	0.00100	0.00180	
6	05/12/14	0.00100			0.00100	0.00100	0.00290	
□	08/11/14				0.00100	0.00100	0.00100	
□	11/15/14	0.00100			0.00530	0.00100	0.0290	
9	02/18/15				0.00100	0.00100	0.00120	
10	05/28/15	0.00100			0.00100	0.00100	0.00100	
11	08/20/15				0.00100	0.00100	0.00100	
12	11/30/15	0.00100		0.373	0.00100	0.00100	0.00100	
13	02/25/16			0.384	0.00100	0.00100	0.00100	
14	06/02/16	0.00100			0.00100	0.00100	0.00100	
15	09/12/16				0.00100	0.00100	0.00100	
16	12/01/16	0.00200		2.97	0.00200	0.00200	0.00200	
1□	02/23/17				0.00200	0.00200	0.00200	
1□	05/04/17	0.00200		0.395	0.00200	0.00200	0.00200	
19	08/24/17			0.628	0.00200	0.00200	0.00200	
20	11/29/17	0.00200		0.233	0.00200	0.00200	0.00200	
21	02/28/18			0.159	0.00200	0.00200	0.00200	
22	05/24/18	0.00100			0.00100	0.00100	0.00100	
23	08/21/18			0.0137	0.00100	0.00100	0.00100	
24	12/05/18	0.00100		0.0157	0.00100	0.00100	0.00100	
25	02/25/19			0.113	0.00100	0.00100	0.00100	
26	05/22/19	0.00100		0.0915	0.00100	0.00100	0.00100	
2□	08/21/19			0.274	0.00100	0.00100	0.00100	
2□	12/10/19	0.00100		0.766	0.00100	0.00100	0.00100	
29	02/25/20			0.310	0.00100	0.00100	0.00100	
30	06/02/20	0.00100			0.00100	0.00100	0.00100	
31	09/21/20				0.00100	0.00100	0.00100	
32	11/13/20	0.00100			0.00100	0.00100	0.00100	
33	03/26/21				0.00100	0.00100	0.00100	
34	05/14/21	0.00100			0.00100	0.00100	0.00100	
35	09/08/21				0.00100		0.00100	
36	12/13/21	0.00100	0.13□	0.00398	0.00150	0.00100	0.00100	
3□	03/16/22	0.00100	0.119	0.00776	0.0689	0.00100	0.00100	
3□	05/19/22	0.00100	0.1□6	0.0277	0.109	0.00100	0.00100	
39	09/07/22	0.00100	0.221	0.0398	0.357	0.00100	0.00100	
40	12/01/22	0.00100	0.2□□	0.0196	0.00100	0.00100	0.00100	
Coefficient of Variation:		0.□1	0.□□	1.9□	□.0□	0.□□	□.1□	
Mann-Kendall Statistic (S):		□1□	□	□□□	101	□1□	1□□	
Confidence Factor:		6□.□□	9□.□□	9□.□□	□□.□□	□□.1□	9□.□□	
Concentration Trend:		Stable	Increasing	Decreasing	No Trend	Stable	Decreasing	



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1. □□e□□□□□r nde□enden□□□m□□ng e□en□□ □er □e□□re re□□red □r □□□□□□ng □□e □end. *Methodology is valid for 4 to 40 samples.*

□. □□n□den□e □ □end □ □□n□den□e □n □er□en□□□□□□n□□□en□□□n□en□r□□□n □□ n□re□□□ng □□□0□□r de□re□□□ng □□□0□□ □95□ □ n□re□□□ng □r De□re□□□ng□
≥ 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.

□. Me□□d□□g□ □□□ed □n "M□R□ □□□ De□□□□n □□□□□r□□□□em □r □□□m□□ng M□n□□r□ng □□n□"□□.□ □z□M. L□ng□□.□. R□□□□.□ □e□e□□□nd □R. G□nz□□e□□ *Ground Water* □41□3□355□36□□2003.

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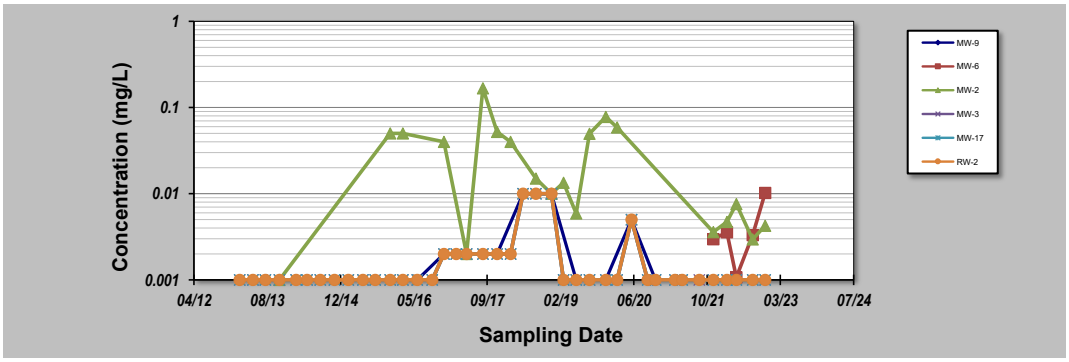
TABLE 8

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	01/01/23	Job ID:	AP-003
Facility Name:	HDO 90-23	Constituent:	Toluene
Conducted By:	TRC	Concentration Units:	mg/L

Sampling Point ID:	MW-9	MW-6	MW-2	MW-3	MW-17	RW-2	
Sampling Event	Sampling Date	TOLUENE CONCENTRATION (mg/L)						
1	02/06/13				0.001	0.001	0.001	
2	05/08/13	0.001			0.001	0.001	0.001	
3	08/01/13				0.001	0.001	0.001	
4	11/05/13	0.001		0.00100	0.001	0.001	0.001	
5	02/26/14				0.00100	0.00100	0.00100	
6	05/12/14	0.00100			0.00100	0.00100	0.00100	
7	08/11/14				0.00100	0.00100	0.00100	
8	11/15/14	0.00100			0.00100	0.00100	0.00100	
9	02/18/15				0.00100	0.00100	0.00100	
10	05/28/15	0.00100			0.00100	0.00100	0.00100	
11	08/20/15				0.00100	0.00100	0.00100	
12	11/30/15	0.00100		0.0500	0.00100	0.00100	0.00100	
13	02/25/16			0.0500	0.00100	0.00100	0.00100	
14	06/02/16	0.00100			0.00100	0.00100	0.00100	
15	09/12/16				0.00100	0.00100	0.00100	
16	12/01/16	0.00200		0.0400	0.00200	0.00200	0.00200	
17	02/23/17				0.00200	0.00200	0.00200	
18	05/04/17	0.00200		0.00200	0.00200	0.00200	0.00200	
19	08/24/17			0.167	0.00200	0.00200	0.00200	
20	11/29/17	0.00200		0.0522	0.00200	0.00200	0.00200	
21	02/28/18			0.0400	0.00200	0.00200	0.00200	
22	05/24/18	0.0100			0.0100	0.0100	0.0100	
23	08/21/18			0.0150	0.0100	0.0100	0.0100	
24	12/05/18	0.0100		0.0100	0.0100	0.0100	0.0100	
25	02/25/19			0.0134	0.00100	0.00100	0.00100	
26	05/22/19	0.00100		0.00591	0.00100	0.00100	0.00100	
27	08/21/19			0.0496	0.00100	0.00100	0.00100	
28	12/10/19	0.00100		0.0779	0.00100	0.00100	0.00100	
29	02/25/20			0.0587	0.00100	0.00100	0.00100	
30	06/02/20	0.00500			0.00500	0.00500	0.00500	
31	09/21/20				0.00100	0.00100	0.00100	
32	11/13/20	0.00100			0.00100	0.00100	0.00100	
33	03/26/21				0.00100	0.00100	0.00100	
34	05/14/21	0.00100			0.00100	0.00100	0.00100	
35	09/08/21				0.00100		0.00100	
36	12/13/21	0.00100	0.00297	0.00359	0.00100	0.00100	0.00100	
37	03/16/22	0.00100	0.00357	0.00470	0.00100	0.00100	0.00100	
38	05/19/22	0.00100	0.00107	0.00758	0.00100	0.00100	0.00100	
39	09/07/22	0.00100	0.00331	0.00295	0.00100	0.00100	0.00100	
40	12/01/22	0.00100	0.0102	0.00425	0.00100	0.00100	0.00100	
Coefficient of Variation:		1.26	0.82	1.21	1.26	1.26	1.26	
Mann-Kendall Statistic (S):		-1	4	-42	31	41	31	
Confidence Factor:		50.0%	75.8%	90.7%	63.6%	68.5%	63.6%	
Concentration Trend:		No Trend	No Trend	Prob. Decreasing	No Trend	No Trend	No Trend	



Notes:

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

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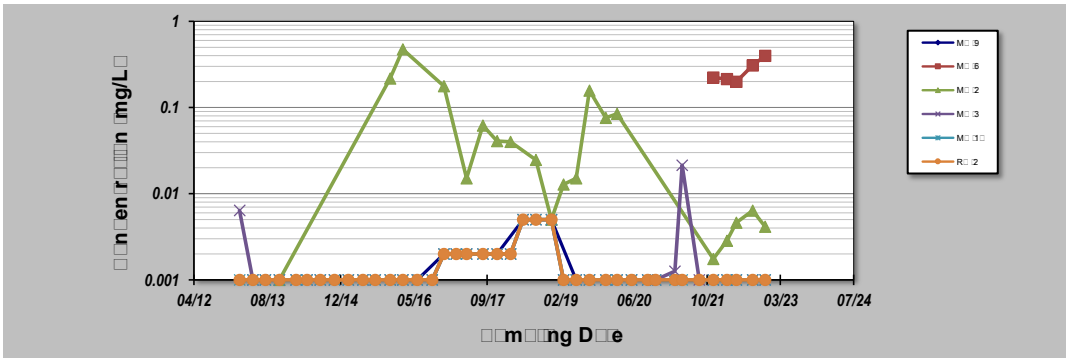
□□r □□n□□□□□en□□rend □n□□□□□□

Evaluation Date:	01/01/□□	Job ID:	□□□00□
Facility Name:	□D□ 90□□□	Constituent:	□□□□□□enzene
Conducted By:	□R□	Concentration Units:	mg/L

Sampling Point ID:	M□ □9	M□ □6	M□ □□	M□ □□	M□ □1□	R□ □□	

Sampling Event	Sampling Date	ETHYLBENZENE CONCENTRATION (mg/L)						
1	02/06/13				0.00640	0.001	0.001	
2	05/08/13	0.001			0.00100	0.001	0.001	
3	08/01/13				0.00100	0.001	0.001	
4	11/05/13	0.001		0.00100	0.00100	0.001	0.001	
5	02/26/14				0.00100	0.00100	0.00100	
6	05/12/14	0.00100			0.00100	0.00100	0.00100	
□	08/11/14				0.00100	0.00100	0.00100	
□	11/15/14	0.00100			0.00100	0.00100	0.00100	
9	02/18/15				0.00100	0.00100	0.00100	
10	05/28/15	0.00100			0.00100	0.00100	0.00100	
11	08/20/15				0.00100	0.00100	0.00100	
12	11/30/15	0.00100		0.217	0.00100	0.00100	0.00100	
13	02/25/16			0.473	0.00100	0.00100	0.00100	
14	06/02/16	0.00100			0.00100	0.00100	0.00100	
15	09/12/16				0.00100	0.00100	0.00100	
16	12/01/16	0.00200		0.177	0.00200	0.00200	0.00200	
1□	02/23/17				0.00200	0.00200	0.00200	
1□	05/04/17	0.00200		0.0151	0.00200	0.00200	0.00200	
19	08/24/17			0.0617	0.00200	0.00200	0.00200	
20	11/29/17	0.00200		0.0408	0.00200	0.00200	0.00200	
21	02/28/18			0.0400	0.00200	0.00200	0.00200	
22	05/24/18	0.00500			0.00500	0.00500	0.00500	
23	08/21/18			0.0247	0.00500	0.00500	0.00500	
24	12/05/18	0.00500		0.00500	0.00500	0.00500	0.00500	
25	02/25/19			0.0128	0.00100	0.00100	0.00100	
26	05/22/19	0.00100		0.0151	0.00100	0.00100	0.00100	
2□	08/21/19			0.157	0.00100	0.00100	0.00100	
2□	12/10/19	0.00100		0.0758	0.00100	0.00100	0.00100	
29	02/25/20			0.0845	0.00100	0.00100	0.00100	
30	06/02/20	0.00100			0.00100	0.00100	0.00100	
31	09/21/20				0.00100	0.00100	0.00100	
32	11/13/20	0.00100			0.00100	0.00100	0.00100	
33	03/26/21				0.00126	0.00100	0.00100	
34	05/14/21	0.00100			0.0214	0.00100	0.00100	
35	09/08/21				0.00100		0.00100	
36	12/13/21	0.00100	0.223	0.00175	0.00100	0.00100	0.00100	
3□	03/16/22	0.00100	0.214	0.00285	0.00100	0.00100	0.00100	
3□	05/19/22	0.00100	0.199	0.00462	0.00100	0.00100	0.00100	
39	09/07/22	0.00100	0.308	0.00638	0.00100	0.00100	0.00100	
40	12/01/22	0.00100	0.398	0.00414	0.00100	0.00100	0.00100	
Coefficient of Variation:		0.□9	0.□1	1.61	1.6□	0.□□	0.□□	
Mann-Kendall Statistic (S):		9	□	□6□	1□	1□	9	
Confidence Factor:		□□.□□	□□.□□	9□.□□	□6.0□	□□.1□	□□.□□	
Concentration Trend:		Stable	No Trend	Decreasing	No Trend	No Trend	No Trend	



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1. □□e□□□□□r □nde□enden□□□m□□ng e□en□□ □er □e□□re re□□red □r □□□□□□□ng □□e □rend. *Methodology is valid for 4 to 40 samples.*
2. □□n□den□e □n □rend □ □□n□den□e □n □er□en□□□□□□n□□□en□□□n□en□r□□□n □□n□re□□□ng □□□0□□r de□re□□□ng □□□0□□ □95□ □ □n□re□□□ng □r De□re□□□ng□ ≥ 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. Me□□d□□g□ □□□ed □n "M□R□ □□□ De□□□□n □□□□□r□□□□em □r □□□m□□ng M□n□□r□ng □□n□"□□.□ □z□M. L□ng□□.□. R□□□□.□ □e□e□□□nd □R. G□nz□□e□□ *Ground Water* □41□3□355□36□□2003.

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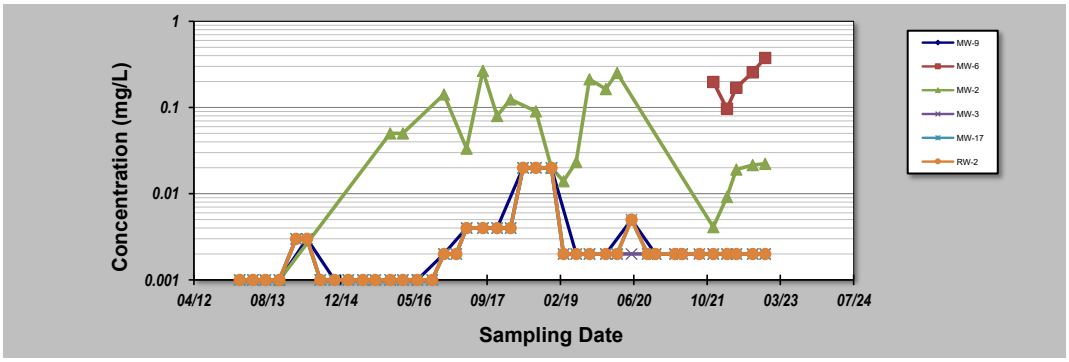
TABLE 10

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	01/01/23	Job ID:	AP-003
Facility Name:	HDO 90-23	Constituent:	Xylene
Conducted By:	TRC	Concentration Units:	mg/L

Sampling Point ID:	MW-9	MW-6	MW-2	MW-3	MW-17	RW-2	
Sampling Event	Sampling Date	XYLENE CONCENTRATION (mg/L)						
1	02/06/13				0.001	0.001	0.001	
2	05/08/13	0.001			0.001	0.001	0.001	
3	08/01/13				0.001	0.001	0.001	
4	11/05/13	0.001		0.00100	0.001	0.001	0.001	
5	02/26/14				0.00300	0.00300	0.00300	
6	05/12/14	0.00300			0.00300	0.00300	0.00300	
7	08/11/14				0.00100	0.00100	0.00100	
8	11/15/14	0.00100			0.00100	0.00100	0.00100	
9	02/18/15				0.00100	0.00100	0.00100	
10	05/28/15	0.00100			0.00100	0.00100	0.00100	
11	08/20/15				0.00100	0.00100	0.00100	
12	11/30/15	0.00100		0.0500	0.00100	0.00100	0.00100	
13	02/25/16			0.0500	0.00100	0.00100	0.00100	
14	06/02/16	0.00100			0.00100	0.00100	0.00100	
15	09/12/16				0.00100	0.00100	0.00100	
16	12/01/16	0.00200		0.142	0.00200	0.00200	0.00200	
17	02/23/17				0.00200	0.00200	0.00200	
18	05/04/17	0.00400		0.0334	0.00400	0.00400	0.00400	
19	08/24/17			0.267	0.00400	0.00400	0.00400	
20	11/29/17	0.00400		0.0800	0.00400	0.00400	0.00400	
21	02/28/18			0.1242	0.00400	0.00400	0.00400	
22	05/24/18	0.0200			0.0200	0.0200	0.0200	
23	08/21/18			0.0906	0.0200	0.0200	0.0200	
24	12/05/18	0.0200		0.0200	0.0200	0.0200	0.0200	
25	02/25/19			0.0140	0.00200	0.00200	0.00200	
26	05/22/19	0.00200		0.02329	0.00200	0.00200	0.00200	
27	08/21/19			0.2130	0.00200	0.00200	0.00200	
28	12/10/19	0.00200		0.164	0.00200	0.00200	0.00200	
29	02/25/20			0.2522	0.00200	0.00200	0.00200	
30	06/02/20	0.00500			0.00200	0.00500	0.00500	
31	09/21/20				0.00200	0.00200	0.00200	
32	11/13/20	0.00200			0.00200	0.00200	0.00200	
33	03/26/21				0.00200	0.00200	0.00200	
34	05/14/21	0.00200			0.00200	0.00200	0.00200	
35	09/08/21				0.00200		0.00200	
36	12/13/21	0.00200	0.19839	0.00410	0.00200	0.00200	0.00200	
37	03/16/22	0.00200	0.09693	0.00916	0.00200	0.00200	0.00200	
38	05/19/22	0.00200	0.1696	0.01910	0.00200	0.00200	0.00200	
39	09/07/22	0.00200	0.2562	0.02149	0.00200	0.00200	0.00200	
40	12/01/22	0.00200	0.3768	0.02230	0.00200	0.00200	0.00200	
Coefficient of Variation:		1.44	0.48	1.06	1.50	1.47	1.46	
Mann-Kendall Statistic (S):		51	6	-19	207	213	216	
Confidence Factor:		92.0%	88.3%	71.8%	99.2%	99.5%	99.4%	
Concentration Trend:		Prob. Increasing	No Trend	No Trend	Increasing	Increasing	Increasing	



Notes:

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

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Evaluation Date:	01/01/□□	Job ID:	□□□00□
Facility Name:	□D□ 90□□□	Constituent:	□□□□□□rg□n□□ □□r□□n □□□□□
Conducted By:	□R□	Concentration Units:	mg/L

Sampling Point ID:	M□ □9	M□ □6	M□ □□	M□ □□	M□ □1□	R□ □□	
Sampling Event	Sampling Date	TOTAL ORGANIC CARBON (TOC) CONCENTRATION (mg/L)						
1	12/13/21	3.92	3.09	31.1	19.9	1.03	3.5□	
2	03/16/22	10.0	10.0	1□.6	12.4	10.0	10.0	
3	05/19/22	1.6□	5.59	24.6	1□.3	1.00	2.53	
4	09/0□/22	10.0	10.0	1□.0	21.0	10.0	10.0	
5	12/01/22	2.56	1□.4	23.9	22.3	1.30	4.4□	
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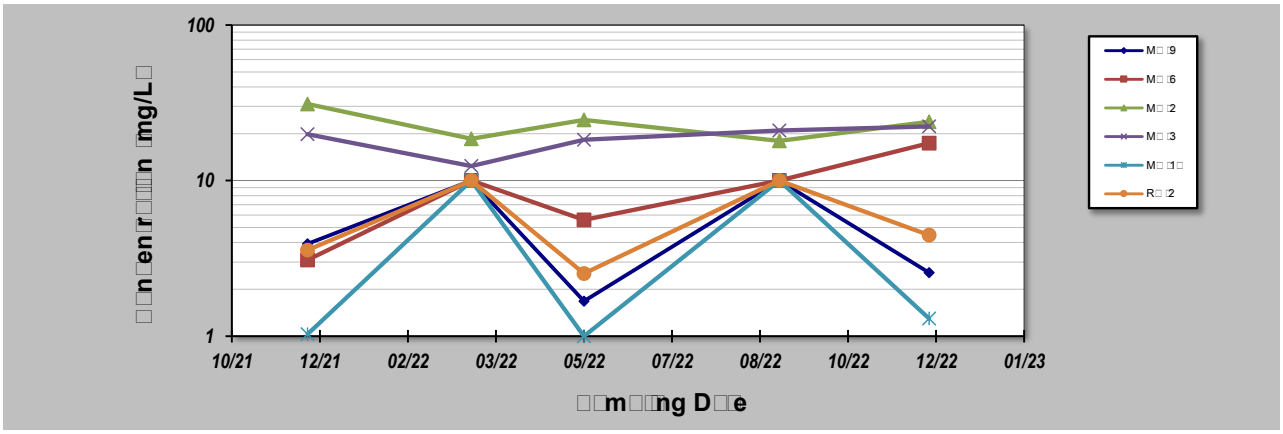
□								
□								
9								
10								
11								
12								
13								
14								
15								
16								
1□								
1□								
19								
20								
Coefficient of Variation:		0.□□	0.□9	0.□□	0.□1	1.0□	0.□9	
Mann-Kendall Statistic (S):		□1	□	□□	6	1	1	
Confidence Factor:		□0.0□	9□.1□	□□.□□	□□.□□	□0.0□	□0.0□	
Concentration Trend:		Stable	Prob. Increasing	Stable	No Trend	No Trend	No Trend	



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2. □□n□den□e □n □rend □ □□n□den□e □n □er□en□□□□□□n□□□en□□□n□enr□□□n □□ n□re□□ng □□□0□□r de□re□□ng □□□0□□ □95□ □ n□re□□ng □r De□re□□ng□
   ≥ 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. Me□□d□□g□ □□□ed □n "M□R□ □□□ De□□□□n □□□□□r□□□□em □r □ □□m□z□g M□n□□r□ng □□n□"□□.□ □z□z□M. L□ng□□.□. R□□□□□.□ □e□e□□□nd □R. G□nz□e□□ *Ground Water* □41□3□355□36□□2003.

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□□r □□n□□□□en□□rend □n□□□□□

Evaluation Date:	01/01/□□	Job ID:	□□□00□
Facility Name:	□D□ 90□□□	Constituent:	D□□□□□ed Me□□□ne □R□□1□□□
Conducted By:	□R□	Concentration Units:	mg/L

Sampling Point ID:	M□ □9	M□ □6	M□ □□	M□ □□	M□ □1□	R□ □□	
Sampling Event	Sampling Date	DISSOLVED METHANE (RSK-175) CONCENTRATION (mg/L)						
1	12/13/21	0.0014□	0.235	2.1□	1.69	0.0014□	0.00144	
2	03/16/22	0.00269	0.0992	1.91	2.46	0.0022□	0.002□9	
3	05/19/22	0.00331	0.□□2	1.60	1.□□	0.00299	0.00191	
4	09/0□/22	0.0013□	0.256	0.991	1.36	0.000□00	0.00216	
5	12/01/22	0.00101	0.33□	1.60	1.50	0.000□10	0.00130	
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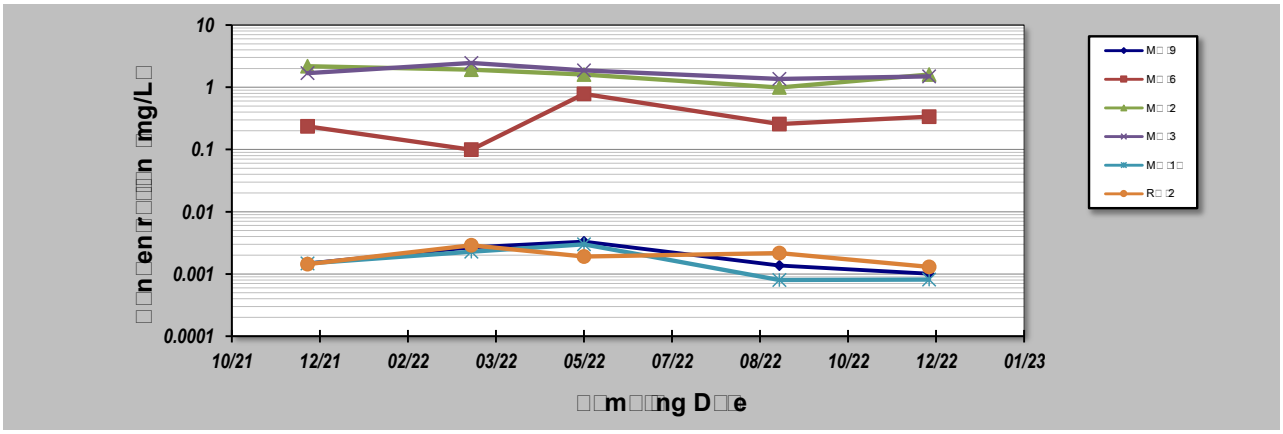
□								
□								
9								
10								
11								
12								
13								
14								
15								
16								
1□								
1□								
19								
20								
Coefficient of Variation:		0.□0	0.□6	0.□□	0.□□	0.□□	0.□□	
Mann-Kendall Statistic (S):		□□	□	□□	□□	□□	□□	
Confidence Factor:		□□.□□	□□.□□	9□.1□	□□.□□	□9.□□	□9.□□	
Concentration Trend:		Stable	No Trend	Prob. Decreasing	Stable	Stable	Stable	



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2. □□n□den□e □n □rend □ □□n□den□e □n □er□en□□□□□□n□□□en□□□n□en□r□□□n □□ n□re□□□g □□□0□□r de□re□□□g □□□0□□ □95□ □ n□re□□□g □r De□re□□□g□ ≥ 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. Me□□d□□g□ □□□ed □n "M□R□ □□□ De□□□□n □□□□□r□□□□em □r □ □□m□z□g M□n□□r□g □□n□"□□.□ □z□z□M. L□ng□□.□. R□□□□□.□ □e□e□□□nd □R. G□nz□e□□ *Ground Water* □41□3□355□36□□2003.

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G□□M□□□□□□□D□LL □□ □L□□

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Evaluation Date:	01/01/□□	Job ID:	□□□00□
Facility Name:	□D□ 90□□□	Constituent:	D□□□□□ed □□□□ne □R□□1□□□
Conducted By:	□R□	Concentration Units:	mg/L

Sampling Point ID:	M□ □9	M□ □6	M□ □□	M□ □□	M□ □1□	R□ □□	
Sampling Event	Sampling Date	DISSOLVED ETHANE (RSK-175) CONCENTRATION (mg/L)						
1	12/13/21	0.00100	0.00100	0.0069□	0.001□1	0.00100	0.00100	
2	03/16/22	0.00100	0.001□2	0.00314	0.002□□	0.00100	0.00100	
3	05/19/22	0.00100	0.00100	0.00392	0.00100	0.00100	0.00100	
4	09/0□/22	0.00131	0.0010□	0.001□2	0.00100	0.00100	0.00100	
5	12/01/22	0.00100	0.00100	0.005□□	0.00444	0.00100	0.00100	
6								
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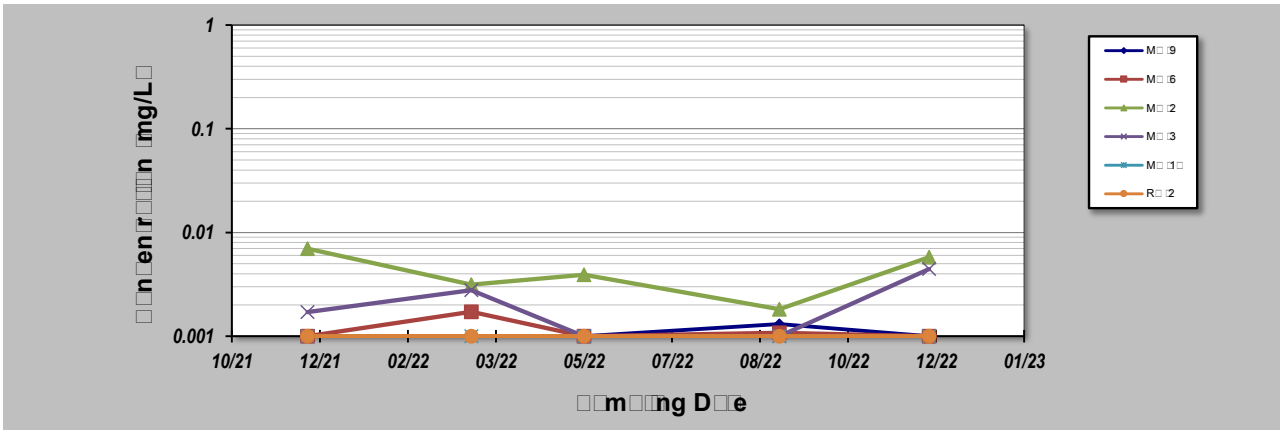
9								
10								
11								
12								
13								
14								
15								
16								
1□								
1□								
19								
20								
Coefficient of Variation:		0.1□	0.□□	0.□□	0.6□	0.00	0.00	
Mann-Kendall Statistic (S):		□	□1	□□	1	0	0	
Confidence Factor:		□9.□□	□0.0□	□9.□□	□0.0□	□0.□□	□0.□□	
Concentration Trend:		No Trend	Stable	Stable	No Trend	Stable	Stable	



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1. □□e□□□□□r □nde□enden□□□m□□ng e□en□ □er □e□□re re□□red □r □□□□□□□ng □□e □rend. *Methodology is valid for 4 to 40 samples.*
2. □□n□den□e □n □rend □ □□n□den□e □n □er□en□□□□□□n□□□en□□□n□enr□□□n □□ n□re□□□g □□□0□□r de□re□□□g □□□0□□ □95□ □ n□re□□□g □r De□re□□□g□ ≥ 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. Me□□d□□g□ □□□ed □n "M□R□ □□□ De□□□□n □□□□□r□□□□em □r □ □□m□z□g M□n□□r□g □□n□"□□.□ □z□z□M. L□ng□□.□. R□□□□□.□ □e□e□□□nd □R. G□nz□□e□□ *Ground Water* □41□3□355□36□□2003.

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□□BL□ 14

G□□M□□□□□□□D□LL □□ □L□□

□□r □□n□□□□en□□rend □n□□□□□

Evaluation Date:	01/01/□□	Job ID:	□□□00□
Facility Name:	□D□ 90□□□	Constituent:	D□□□□□ed □□□ene □R□□1□□□
Conducted By:	□R□	Concentration Units:	mg/L

Sampling Point ID:	M□ □9	M□ □6	M□ □□	M□ □□	M□ □1□	R□ □□	
Sampling Event	Sampling Date	DISSOLVED ETHENE (RSK-175) CONCENTRATION (mg/L)						
1	12/13/21	0.00100	0.00320	0.145	0.00651	0.00100	0.00122	
2	03/16/22	0.0011□	0.00□61	0.00100	0.00100	0.00100	0.00100	
3	05/19/22	0.00253	0.00100	0.00100	0.140	0.0025□	0.001□0	
4	09/0□/22	0.00100	0.00100	0.00594	0.00100	0.00100	0.00100	
5	12/01/22	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	
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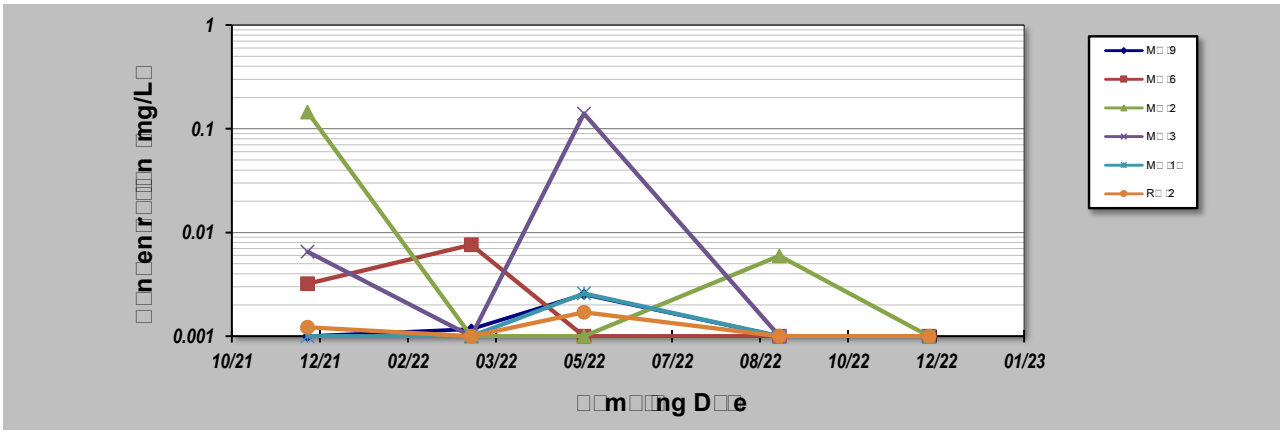
9								
10								
11								
12								
13								
14								
15								
16								
1□								
1□								
19								
20								
Coefficient of Variation:		0.□0	1.0□	□.0□	□.06	0.□□	0.□6	
Mann-Kendall Statistic (S):		□1	□□	□□	□□	0	□□	
Confidence Factor:		□0.0□	□□.1□	6□.□□	6□.□□	□0.□□	6□.□□	
Concentration Trend:		Stable	No Trend	No Trend	No Trend	Stable	Stable	



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1. □□e□□□□□r □nde□enden□□□m□□ng e□en□□ □er □e□□re re□□red □r □□□□□□□ng □□e □rend. *Methodology is valid for 4 to 40 samples.*
2. □□n□den□e □n □rend □ □□n□den□e □n □er□en□□□□□□□n□□□en□□□n□enr□□□n □□ n□re□□□g □□□0□□r de□re□□□g □□□0□□ □95□ □ □n□re□□□g □r De□re□□□g□ ≥ 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. Me□□d□□g□ □□□ed □n "M□R□ □□□ De□□□□n □□□□□r□□ □□em □□r □ □□m□z□g M□n□□r□ng □□n□"□□.□ □z□z□M. L□ng□□.□. R□□□□□.□ □e□e□□□nd □R. G□nz□e□□ *Ground Water* □41□3□355□36□□2003.

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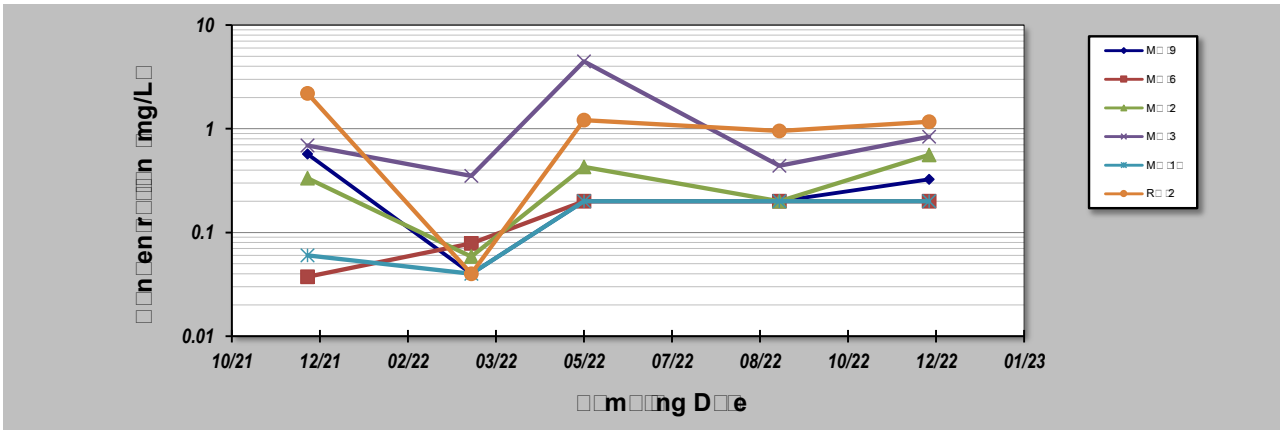
□□BL□ 15

G□□M□□□□□□□D□LL □□ □L□□

□□r □□n□□□□en□□rend □n□□□□□

Evaluation Date:	01/01/□□	Job ID:	□□□00□
Facility Name:	□D□ 90□□□	Constituent:	D□□□□□ed □r□n □□□□ered□
Conducted By:	□R□	Concentration Units:	mg/L

Sampling Point ID:	M□ □9	M□ □6	M□ □□	M□ □□	M□ □1□	R□ □□	
Sampling Event	Sampling Date	DISSOLVED IRON (FILTERED) CONCENTRATION (mg/L)						
1	12/13/21	0.5□0	0.03□4	0.333	0.6□9	0.0600	2.19	
2	03/16/22	0.0400	0.0□□3	0.05□5	0.351	0.0400	0.0400	
3	05/19/22	0.200	0.200	0.42□	4.46	0.200	1.21	
4	09/0□/22	0.200	0.200	0.200	0.440	0.200	0.952	
5	12/01/22	0.325	0.200	0.560	0.□36	0.200	1.1□	
6								
□								
□								
9								
10								
11								
12								
13								
14								
15								
16								
1□								
1□								
19								
20								
Coefficient of Variation:		0.□□	0.□□	0.6□	1.□9	0.□9	0.69	
Mann-Kendall Statistic (S):		1	□	□	□	□	□□	
Confidence Factor:		□0.0□	9□.1□	□□.□□	□9.□□	□□.1□	□9.□□	
Concentration Trend:		No Trend	Prob. Increasing	No Trend	No Trend	No Trend	Stable	



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1. □□e□□□□□r □nde□enden□□□m□□ng e□en□□ □er □e□□re re□□red □□r □□□□□□□□ng □□e □rend. *Methodology is valid for 4 to 40 samples.*
2. □□n□den□e □n □rend □ □□n□den□e □n □er□en□□□□□□□n□□□en□□□n□en□r□□□n □□ n□re□□□g □□□0□□r de□re□□□g □□□0□□ □95□ □ n□re□□□g □r De□re□□□g□
   ≥ 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. Me□□d□□g□ □□□ed □n "M□R□ □□□ De□□□□n □□□□□r□□□□em □□r □ □□m□z□g M□n□□□ng □□n□"□□.□ □z□z□M. L□ng□□.□. R□□□□□.□ □e□e□□□nd □R. G□nz□e□□ *Ground Water* □41□3□355□36□□2003.

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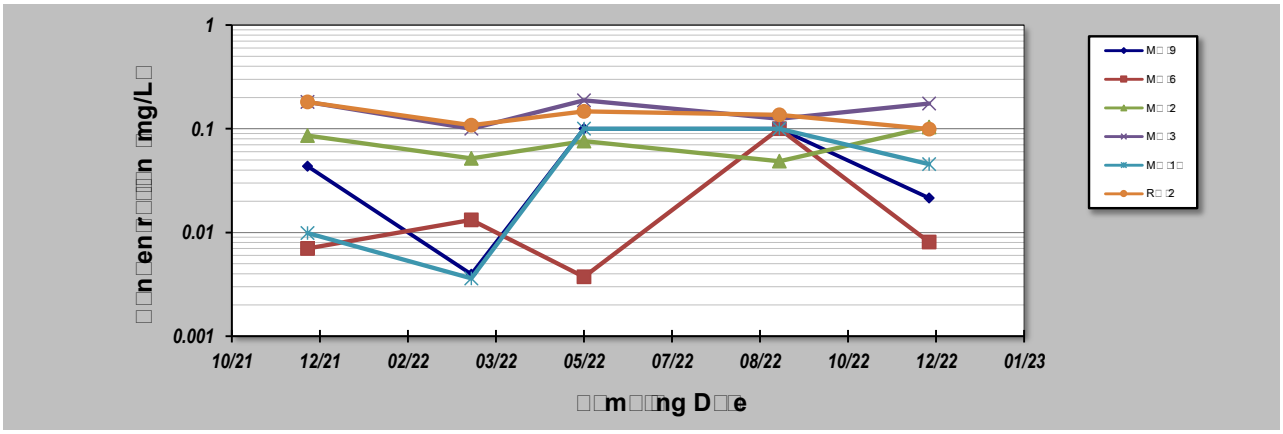
Evaluation Date:	01/01/□□	Job ID:	□□□00□
Facility Name:	□D□ 90□□□	Constituent:	D□□□□□ed M□ng□ne□e □□□ered□
Conducted By:	□R□	Concentration Units:	mg/L

Sampling Point ID:	M□ □9	M□ □6	M□ □□	M□ □□	M□ □1□	R□ □□	
Sampling Event	Sampling Date	DISSOLVED MANGANESE (FILTERED) CONCENTRATION (mg/L)						
1	12/13/21	0.0435	0.00□00	0.0□59	0.1□1	0.009□6	0.1□1	
2	03/16/22	0.00396	0.0132	0.051□	0.100	0.00361	0.10□	
3	05/19/22	0.100	0.003□3	0.0□61	0.1□□	0.100	0.14□	
4	09/0□/22	0.100	0.100	0.04□6	0.125	0.100	0.136	
5	12/01/22	0.0215	0.00□0□	0.104	0.1□5	0.0456	0.0993	
6								
□								
□								
9								
10								
11								
12								
13								
14								
15								
16								
1□								
1□								
19								
20								
Coefficient of Variation:		0.□□	1.□6	0.□□	0.□□	0.90	0.□□	
Mann-Kendall Statistic (S):		1	□	0	0	□	□6	
Confidence Factor:		□0.0□	□9.□□	□0.□□	□0.□□	6□.□□	□□.□□	
Concentration Trend:		No Trend	No Trend	Stable	Stable	No Trend	Stable	



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1. □□e□□□□□r □nde□enden□□□m□□ng e□en□□ □er □e□□re re□□red □□r □□□□□□□□ng □□e □rend. *Methodology is valid for 4 to 40 samples.*
2. □□n□den□e □n □rend □ □□n□den□e □n □er□en□□□□□□□n□□□en□□□n□en□r□□□n □□ n□re□□□g □□□0□□r de□re□□□g □□□0□□ □95□ □ n□re□□□g □r De□re□□□g□ ≥ 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. Me□□d□□g□ □□□ed □n "M□R□ □□□ De□□□□n □□□□□r□□□□em □□r □ □□m□z□g M□n□□r□ng □□n□"□□.□ □z□z□M. L□ng□□.□. R□□□□□.□ □e□e□□□nd □R. G□nz□e□□ *Ground Water* □41□3□355□36□□2003.

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Evaluation Date:	01/01/□□	Job ID:	□□□00□
Facility Name:	□D□ 90□□□	Constituent:	□□r□□e
Conducted By:	□R□	Concentration Units:	mg/L

Sampling Point ID:	M□ □9	M□ □6	M□ □□	M□ □□	M□ □1□	R□ □□	
Sampling Event	Sampling Date	NITRATE CONCENTRATION (mg/L)						
1	12/13/21	0.200	0.□04	0.200	0.200	1.09	0.200	
2	03/16/22	0.946	0.□9□	0.200	0.200	1.20	0.200	
3	05/19/22	0.□60	0.200	0.200	0.200	1.09	0.200	
4	09/0□/22	0.29□	0.659	0.200	0.200	1.1□	0.200	
5	12/01/22	0.3□1	0.652	0.206	0.242	1.10	0.212	
6								
□								
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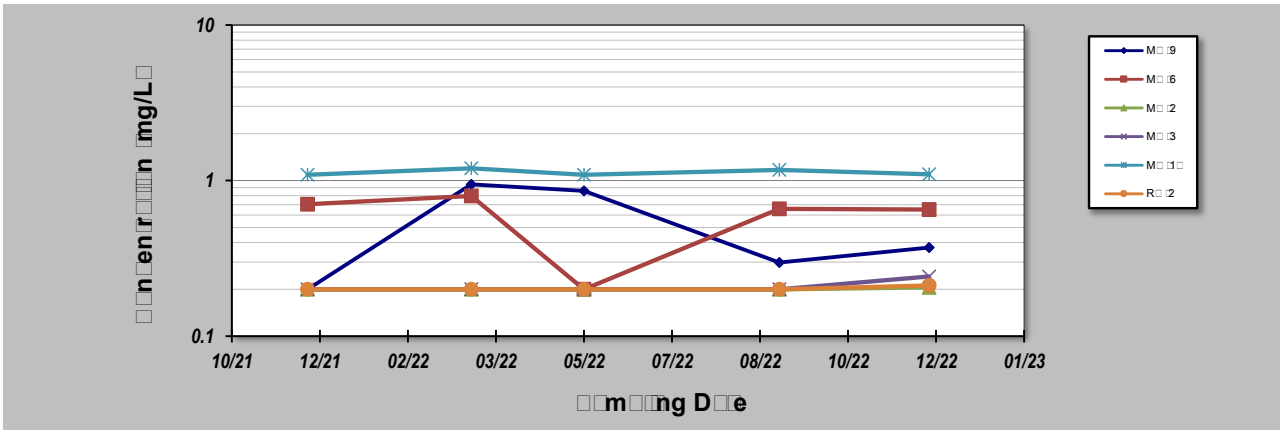
9								
10								
11								
12								
13								
14								
15								
16								
1□								
1□								
19								
20								
Coefficient of Variation:		0.6□	0.□9	0.01	0.09	0.0□	0.0□	
Mann-Kendall Statistic (S):		0	□□	□	□	1	□	
Confidence Factor:		□0.□□	□□.□□	□□.□□	□□.□□	□0.0□	□□.□□	
Concentration Trend:		Stable	Stable	No Trend	No Trend	No Trend	No Trend	



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1. □□e□□□□□r □nde□enden□□□m□□ng e□en□□ □er □e□□re re□□red □r □□□□□□□ng □□e □rend. *Methodology is valid for 4 to 40 samples.*
2. □□n□den□e □n □rend □ □□n□den□e □n □er□en□□□□□□n□□□en□□□n□enr□□□n □□ □n□re□□ng □□□0□□r de□re□□ng □□□0□□ □95□ □ □n□re□□ng □r De□re□□ng□
   ≥ 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. Me□□d□□g□ □□□ed □n "M□R□ □□□ De□□□□n □□□□□r□□□□em □□r □ □□m□z□g M□n□□r□ng □□n□"□□.□. □z□z□M. L□ng□□.□. R□□□□□.□ □e□e□□□nd □R. G□nz□e□□ *Ground Water* □41□3□355□36□□2003.

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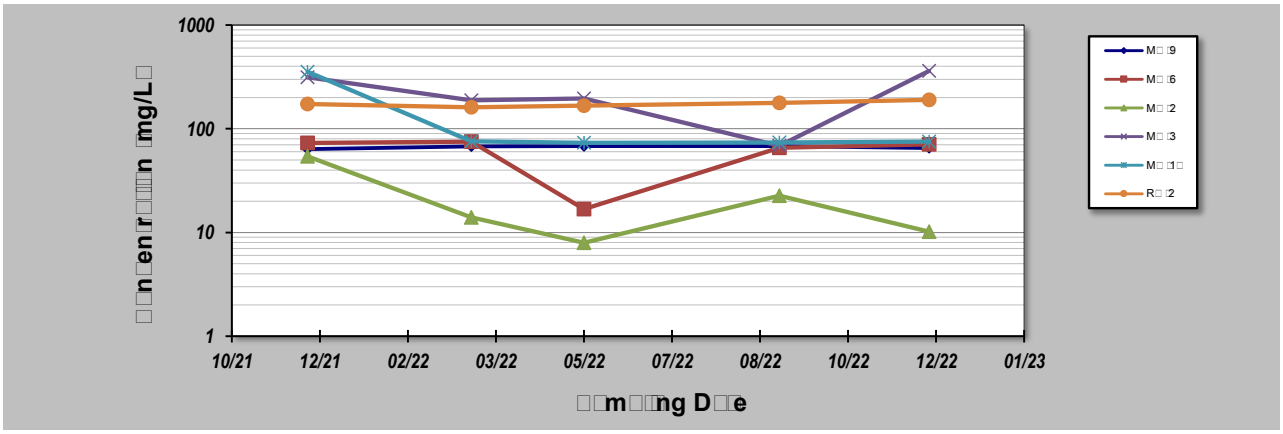
Evaluation Date: 01/01/□□
Facility Name: □D□ 90□□□
Conducted By: □R□
Job ID: □□□00□
Constituent: □□□□□e
Concentration Units: mg/L

Sampling Point ID:	M□ □9	M□ □6	M□ □□	M□ □□	M□ □1□	R□ □□	
Sampling Event	Sampling Date	SULFATE CONCENTRATION (mg/L)						
1	12/13/21	63.6	□3.0	54.2	314	355	1□3	
2	03/16/22	6□.6	□5.1	14.0	1□□	□5.□	161	
3	05/19/22	6□.1	16.□	□.96	196	□3.2	16□	
4	09/0□/22	6□.1	65.6	22.6	6□.5	□3.□	1□□	
5	12/01/22	65.2	□0.□	10.2	361	□5.2	190	
6								
□								
□								
9								
10								
11								
12								
13								
14								
15								
16								
1□								
1□								
19								
20								
Coefficient of Variation:		0.0□	0.□1	0.□□	0.□1	0.96	0.06	
Mann-Kendall Statistic (S):		□	□□	□□	0	□□	6	
Confidence Factor:		6□.□□	□9.□□	□□.□□	□0.□□	□□.□□	□□.□□	
Concentration Trend:		No Trend	Stable	Stable	Stable	Stable	No Trend	



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1. □□e□□□□□r □nde□enden□□□m□□ng e□en□□ □er □e□□re re□□red □r □□□□□□□ng □□e □rend. *Methodology is valid for 4 to 40 samples.*
2. □□n□den□e □n □rend □ □□n□den□e □n □er□en□□□□□□n□□□en□□□n□enr□□□n □□ n□re□□□g □□□0□□r de□re□□□g □□□0□□ □95□ □ n□re□□□g □r De□re□□□g□
   ≥ 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. Me□□d□□g□ □□□ed □n "M□R□ □□□ De□□□□n □□□□□r□□□□em □□r □ □□m□z□g M□n□□r□g □□n□"□□.□ □z□□M. L□ng□□.□. R□□□□□.□ □e□e□□□nd □R. G□nz□e□□ *Ground Water* □41□3□355□36□□2003.

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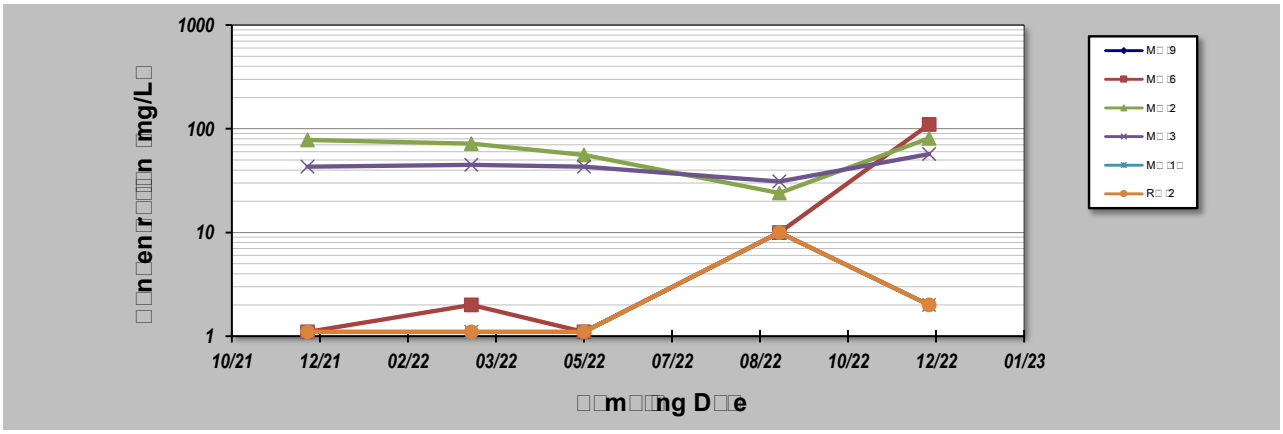
□□r □□n□□□□en□□rend □n□□□□□

Evaluation Date:	01/01/□□	Job ID:	□□□00□
Facility Name:	□D□ 90□□□	Constituent:	□□em□□□□□ □□gen Dem□nd □□□D□
Conducted By:	□R□	Concentration Units:	mg/L

Sampling Point ID:	M□ □9	M□ □6	M□ □□	M□ □□	M□ □1□	R□ □□	
Sampling Event	Sampling Date	CHEMICAL OXYGEN DEMAND (COD) CONCENTRATION (mg/L)						
1	12/13/21	1.10	1.10	□□.0	43.0	1.10	1.10	
2	03/16/22	1.10	2.00	□2.0	45.0	1.10	1.10	
3	05/19/22	1.10	1.10	56.0	43.0	1.10	1.10	
4	09/0□/22	10.0	10.0	24.0	31.0	10.0	10.0	
5	12/01/22	2.00	110	□1.0	5□.0	2.00	2.00	
6								
□								
□								
9								
10								
11								
12								
13								
14								
15								
16								
1□								
1□								
19								
20								
Coefficient of Variation:		1.□□	1.9□	0.□□	0.□1	1.□□	1.□□	
Mann-Kendall Statistic (S):		□	□	□□	1	□	□	
Confidence Factor:		□□.1□	9□.1□	□9.□□	□0.0□	□□.1□	□□.1□	
Concentration Trend:		No Trend	Prob. Increasing	Stable	No Trend	No Trend	No Trend	



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1. □□e□□□□□r □nde□enden□□□m□□ng e□en□□ □er □e□□□re re□□□red □□r □□□□□□□□ng □□e □rend. *Methodology is valid for 4 to 40 samples.*
2. □□n□den□e □n □rend □ □□n□den□e □n □er□en□□□□□□□n□□□en□□□n□en□r□□□n □□ n□re□□□ng □□□0□□r de□re□□□ng □□□0□□ □95□ □ n□re□□□ng □r De□re□□□ng□ ≥ 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. Me□□d□□g□ □□□ed □n "M□R□ □□□ De□□□□n □□□□□r□□□□em □□r □ □□m□z□g M□n□□r□ng □□n□"□□.□ □z□z□M. L□ng□□.□. R□□□□□.□ □e□e□□□□nd □R. G□nz□e□□ *Ground Water* □41□3□355□36□□2003.

DISCLAIMER: *The GSI Mann-Kendall Toolkit is available "as is". Considerable care has been exercised in preparing this software product; however, no party, including without limitation GSI Environmental Inc., makes any representation or warranty regarding the accuracy, correctness, or completeness of the information contained herein, and no such party shall be liable for any direct, indirect, consequential, incidental or other damages resulting from the use of this product or the information contained herein. Information in this publication is subject to change without notice. GSI Environmental Inc., disclaims any responsibility or obligation to update the information contained herein.*

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APPENDICES

APPENDIX A:
2022 Laboratory Analytical Reports

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

PBELAB

Analytical Report

Prepared for:

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

Project: HDO 90-23_MNA
Project Number: HDO 90-23
Location: Lea County, NM

Lab Order Number: 2C17006

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 03/29/22

TRC Solutions- Midland, Texas	Project: HDO 90-23_MNA
10 Desta Dr STE 150E	Project Number: HDO 90-23
Midland TX, 79705	Project Manager: Curt Stanley

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-17	2C17006-01	Water	03/16/22 11:25	03-17-2022 08:53
MW-9	2C17006-02	Water	03/16/22 12:10	03-17-2022 08:53
RW-2	2C17006-03	Water	03/16/22 15:15	03-17-2022 08:53
MW-3	2C17006-04	Water	03/16/22 13:53	03-17-2022 08:53
MW-2	2C17006-05	Water	03/16/22 14:39	03-17-2022 08:53
MW-6	2C17006-06	Water	03/16/22 15:57	03-17-2022 08:53

TOC and RSK-175 analysis were subcontracted to ALS Houston. Their report is attached after the Chain of Custody. Their TCEQ TNI certification number can be found here:
https://www.tceq.texas.gov/assets/public/compliance/compliance_support/qa/labs/als_svcs_houston.pdf

TRC Solutions- Midland, Texas	Project: HDO 90-23_MNA
10 Desta Dr STE 150E	Project Number: HDO 90-23
Midland TX, 79705	Project Manager: Curt Stanley

MW-17

2C17006-01 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/18/22 00:54	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/18/22 00:54	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/18/22 00:54	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2C1702	03/17/22 10:37	03/18/22 00:54	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/18/22 00:54	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*82.9 %*	*80-120*		*P2C1702*	*03/17/22 10:37*	*03/18/22 00:54*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.5 %*	*80-120*		*P2C1702*	*03/17/22 10:37*	*03/18/22 00:54*	*EPA 8021B*	
Methane	**0.00228**	0.000500	mg/L	1	P2C2506	03/23/22 11:19	03/23/22 11:19	8015M	SUB-13
Ethane	ND	0.00100	mg/L	1	P2C2506	03/23/22 11:19	03/23/22 11:19	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2C2506	03/23/22 11:19	03/23/22 11:19	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	ND	1.10	mg/L	1	P2C2505	03/25/22 14:46	03/25/22 14:46	8000	
Nitrate as N	**1.20**	0.200	mg/L	1	P2C1705	03/17/22 15:10	03/17/22 18:44	EPA 300.0	
Sulfate	**75.7**	1.00	mg/L	1	P2C1705	03/17/22 15:10	03/17/22 18:44	EPA 300.0	
Total Organic Carbon	ND	10.0	mg/L	1	P2C2506	03/23/22 03:47	03/23/22 03:47	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	ND	0.0400	mg/L	1	P2C2207	03/22/22 14:16	03/23/22 11:39	EPA 6010B	
Manganese	**0.00361**	0.0400	mg/L	1	P2C2207	03/22/22 14:16	03/23/22 11:39	EPA 6010B	J

TRC Solutions- Midland, Texas	Project: HDO 90-23_MNA
10 Desta Dr STE 150E	Project Number: HDO 90-23
Midland TX, 79705	Project Manager: Curt Stanley

MW-9

2C17006-02 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/18/22 01:15	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/18/22 01:15	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/18/22 01:15	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2C1702	03/17/22 10:37	03/18/22 01:15	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/18/22 01:15	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*88.6 %*	*80-120*		*P2C1702*	*03/17/22 10:37*	*03/18/22 01:15*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*97.9 %*	*80-120*		*P2C1702*	*03/17/22 10:37*	*03/18/22 01:15*	*EPA 8021B*	
Methane	**0.00269**	0.000500	mg/L	1	P2C2506	03/23/22 11:28	03/23/22 11:28	8015M	SUB-13
Ethane	ND	0.00100	mg/L	1	P2C2506	03/23/22 11:28	03/23/22 11:28	8015M	SUB-13
Ethene	**0.00117**	0.00100	mg/L	1	P2C2506	03/23/22 11:28	03/23/22 11:28	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	ND	1.10	mg/L	1	P2C2505	03/25/22 14:46	03/25/22 14:46	8000	
Nitrate as N	**0.946**	0.200	mg/L	1	P2C1705	03/17/22 15:10	03/17/22 19:41	EPA 300.0	
Sulfate	**67.6**	1.00	mg/L	1	P2C1705	03/17/22 15:10	03/17/22 19:41	EPA 300.0	
Total Organic Carbon	ND	10.0	mg/L	1	P2C2506	03/23/22 03:59	03/23/22 03:59	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	ND	0.0400	mg/L	1	P2C2207	03/22/22 14:16	03/23/22 11:43	EPA 6010B	
Manganese	**0.00396**	0.0400	mg/L	1	P2C2207	03/22/22 14:16	03/23/22 11:43	EPA 6010B	J

TRC Solutions- Midland, Texas	Project: HDO 90-23_MNA
10 Desta Dr STE 150E	Project Number: HDO 90-23
Midland TX, 79705	Project Manager: Curt Stanley

RW-2

2C17006-03 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/18/22 01:36	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/18/22 01:36	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/18/22 01:36	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2C1702	03/17/22 10:37	03/18/22 01:36	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/18/22 01:36	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*89.9 %*	*80-120*		*P2C1702*	*03/17/22 10:37*	*03/18/22 01:36*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*99.2 %*	*80-120*		*P2C1702*	*03/17/22 10:37*	*03/18/22 01:36*	*EPA 8021B*	
Methane	**0.00289**	0.000500	mg/L	1	P2C2506	03/23/22 11:37	03/23/22 11:37	8015M	SUB-13
Ethane	ND	0.00100	mg/L	1	P2C2506	03/23/22 11:37	03/23/22 11:37	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2C2506	03/23/22 11:37	03/23/22 11:37	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	ND	1.10	mg/L	1	P2C2505	03/25/22 14:46	03/25/22 14:46	8000	
Nitrate as N	ND	0.200	mg/L	1	P2C1705	03/17/22 15:10	03/17/22 20:00	EPA 300.0	
Sulfate	**161**	25.0	mg/L	25	P2C1705	03/17/22 15:10	03/17/22 23:10	EPA 300.0	
Total Organic Carbon	ND	10.0	mg/L	1	P2C2506	03/23/22 04:11	03/23/22 04:11	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	ND	0.0400	mg/L	1	P2C2207	03/22/22 14:16	03/23/22 11:47	EPA 6010B	
Manganese	**0.108**	0.0400	mg/L	1	P2C2207	03/22/22 14:16	03/23/22 11:47	EPA 6010B	

TRC Solutions- Midland, Texas	Project: HDO 90-23_MNA
10 Desta Dr STE 150E	Project Number: HDO 90-23
Midland TX, 79705	Project Manager: Curt Stanley

MW-3

2C17006-04 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	**0.0689**	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/18/22 01:56	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/18/22 01:56	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/18/22 01:56	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2C1702	03/17/22 10:37	03/18/22 01:56	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/18/22 01:56	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*90.6 %*	*80-120*		*P2C1702*	*03/17/22 10:37*	*03/18/22 01:56*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*98.9 %*	*80-120*		*P2C1702*	*03/17/22 10:37*	*03/18/22 01:56*	*EPA 8021B*	
Methane	**2.46**	0.0500	mg/L	1	P2C2506	03/23/22 11:45	03/23/22 11:45	8015M	SUB-13
Ethane	**0.00278**	0.00100	mg/L	1	P2C2506	03/23/22 11:45	03/23/22 11:45	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2C2506	03/23/22 11:45	03/23/22 11:45	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	**45.0**	1.10	mg/L	1	P2C2505	03/25/22 14:46	03/25/22 14:46	8000	
Nitrate as N	ND	0.200	mg/L	1	P2C1705	03/17/22 15:10	03/17/22 20:19	EPA 300.0	
Sulfate	**188**	25.0	mg/L	25	P2C1705	03/17/22 15:10	03/17/22 23:29	EPA 300.0	
Total Organic Carbon	**12.4**	10.0	mg/L	1	P2C2506	03/23/22 04:24	03/23/22 04:24	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	**0.351**	0.0400	mg/L	1	P2C2207	03/22/22 14:16	03/23/22 11:51	EPA 6010B	
Manganese	**0.100**	0.0400	mg/L	1	P2C2207	03/22/22 14:16	03/23/22 11:51	EPA 6010B	

TRC Solutions- Midland, Texas	Project: HDO 90-23_MNA
10 Desta Dr STE 150E	Project Number: HDO 90-23
Midland TX, 79705	Project Manager: Curt Stanley

MW-2

2C17006-05 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	**0.00776**	0.00100	mg/L	1	P2C2514	03/25/22 15:56	03/26/22 11:25	EPA 8021B	
Toluene	**0.00470**	0.00100	mg/L	1	P2C2514	03/25/22 15:56	03/26/22 11:25	EPA 8021B	
Ethylbenzene	**0.00285**	0.00100	mg/L	1	P2C2514	03/25/22 15:56	03/26/22 11:25	EPA 8021B	
Xylene (p/m)	**0.00916**	0.00200	mg/L	1	P2C2514	03/25/22 15:56	03/26/22 11:25	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2C2514	03/25/22 15:56	03/26/22 11:25	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*96.8 %*	*80-120*		*P2C2514*	*03/25/22 15:56*	*03/26/22 11:25*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.9 %*	*80-120*		*P2C2514*	*03/25/22 15:56*	*03/26/22 11:25*	*EPA 8021B*	
Methane	**1.91**	0.0500	mg/L	1	P2C2506	03/23/22 11:53	03/23/22 11:53	8015M	SUB-13
Ethane	**0.00314**	0.00100	mg/L	1	P2C2506	03/23/22 11:53	03/23/22 11:53	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2C2506	03/23/22 11:53	03/23/22 11:53	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	**72.0**	1.10	mg/L	1	P2C2505	03/25/22 14:46	03/25/22 14:46	8000	
Nitrate as N	ND	0.200	mg/L	1	P2C1705	03/17/22 15:10	03/17/22 20:38	EPA 300.0	
Sulfate	**14.0**	1.00	mg/L	1	P2C1705	03/17/22 15:10	03/17/22 20:38	EPA 300.0	
Total Organic Carbon	**18.6**	10.0	mg/L	1	P2C2506	03/23/22 18:16	03/23/22 18:16	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	**0.0585**	0.0400	mg/L	1	P2C2207	03/22/22 14:16	03/23/22 12:03	EPA 6010B	
Manganese	**0.0518**	0.0400	mg/L	1	P2C2207	03/22/22 14:16	03/23/22 12:03	EPA 6010B	

TRC Solutions- Midland, Texas	Project: HDO 90-23_MNA
10 Desta Dr STE 150E	Project Number: HDO 90-23
Midland TX, 79705	Project Manager: Curt Stanley

MW-6

2C17006-06 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	**0.119**	0.00100	mg/L	1	P2C2514	03/25/22 15:56	03/26/22 11:46	EPA 8021B	
Toluene	**0.00357**	0.00100	mg/L	1	P2C2514	03/25/22 15:56	03/26/22 11:46	EPA 8021B	
Ethylbenzene	**0.214**	0.00100	mg/L	1	P2C2514	03/25/22 15:56	03/26/22 11:46	EPA 8021B	
Xylene (p/m)	**0.0893**	0.00200	mg/L	1	P2C2514	03/25/22 15:56	03/26/22 11:46	EPA 8021B	
Xylene (o)	**0.00763**	0.00100	mg/L	1	P2C2514	03/25/22 15:56	03/26/22 11:46	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*97.5 %*	*80-120*		*P2C2514*	*03/25/22 15:56*	*03/26/22 11:46*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.8 %*	*80-120*		*P2C2514*	*03/25/22 15:56*	*03/26/22 11:46*	*EPA 8021B*	
Methane	**0.0992**	0.00250	mg/L	1	P2C2506	03/23/22 11:29	03/23/22 11:29	8015M	SUB-13
Ethane	**0.00172**	0.00100	mg/L	1	P2C2506	03/23/22 11:29	03/23/22 11:29	8015M	SUB-13
Ethene	**0.00761**	0.00500	mg/L	1	P2C2506	03/23/22 11:29	03/23/22 11:29	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	**2.00**	1.10	mg/L	1	P2C2505	03/25/22 14:46	03/25/22 14:46	8000	
Nitrate as N	**0.797**	0.200	mg/L	1	P2C1705	03/17/22 15:10	03/17/22 20:57	EPA 300.0	
Sulfate	**75.1**	1.00	mg/L	1	P2C1705	03/17/22 15:10	03/17/22 20:57	EPA 300.0	
Total Organic Carbon	ND	10.0	mg/L	1	P2C2506	03/23/22 18:28	03/23/22 18:28	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	**0.0783**	0.0400	mg/L	1	P2C2207	03/22/22 14:16	03/23/22 12:07	EPA 6010B	
Manganese	**0.0132**	0.0400	mg/L	1	P2C2207	03/22/22 14:16	03/23/22 12:07	EPA 6010B	J

TRC Solutions- Midland, Texas	Project: HDO 90-23_MNA
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Midland TX, 79705	Project Manager: Curt Stanley

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2C1702 - General Preparation (GC)										
Blank (P2C1702-BLK1)				Prepared & Analyzed: 03/17/22						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	*0.110*		*"*	*0.120*		*91.7*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.120*		*"*	*0.120*		*100*	*80-120*			
LCS (P2C1702-BS1)				Prepared & Analyzed: 03/17/22						
Benzene	0.101	0.00100	mg/L	0.100		101	80-120			
Toluene	0.104	0.00100	"	0.100		104	80-120			
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120			
Xylene (p/m)	0.230	0.00200	"	0.200		115	80-120			
Xylene (o)	0.103	0.00100	"	0.100		103	80-120			
Surrogate: 4-Bromofluorobenzene	*0.117*		*"*	*0.120*		*97.1*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.121*		*"*	*0.120*		*101*	*80-120*			
LCS Dup (P2C1702-BSD1)				Prepared & Analyzed: 03/17/22						
Benzene	0.104	0.00100	mg/L	0.100		104	80-120	2.65	20	
Toluene	0.108	0.00100	"	0.100		108	80-120	3.18	20	
Ethylbenzene	0.116	0.00100	"	0.100		116	80-120	2.81	20	
Xylene (p/m)	0.238	0.00200	"	0.200		119	80-120	3.61	20	
Xylene (o)	0.107	0.00100	"	0.100		107	80-120	3.96	20	
Surrogate: 4-Bromofluorobenzene	*0.116*		*"*	*0.120*		*96.6*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.122*		*"*	*0.120*		*102*	*80-120*			
Calibration Blank (P2C1702-CCB1)				Prepared & Analyzed: 03/17/22						
Benzene	0.130		mg/L							
Toluene	0.210		"							
Ethylbenzene	0.500		"							
Xylene (p/m)	1.00		"							
Xylene (o)	0.630		"							
a,a,a-Trifluorotoluene	0.120		"	0.120		100	0-200			
Surrogate: 4-Bromofluorobenzene	*0.113*		*"*	*0.120*		*94.0*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.122*		*"*	*0.120*		*101*	*80-120*			

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Midland TX, 79705	Project Manager: Curt Stanley

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2C1702 - General Preparation (GC)										
Calibration Blank (P2C1702-CCB2)				Prepared & Analyzed: 03/17/22						
Benzene	0.220		mg/L							
Toluene	0.360		"							
Ethylbenzene	0.680		"							
Xylene (p/m)	1.46		"							
Xylene (o)	0.840		"							
a,a,a-Trifluorotoluene	0.120		"	0.120		100	0-200			
Surrogate: 4-Bromofluorobenzene	*0.103*		*"*	*0.120*		*86.0*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.118*		*"*	*0.120*		*98.4*	*80-120*			
Calibration Check (P2C1702-CCV1)				Prepared & Analyzed: 03/17/22						
Benzene	0.0998	0.00100	mg/L	0.100		99.8	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.103	0.00100	"	0.100		103	80-120			
Xylene (p/m)	0.216	0.00200	"	0.200		108	80-120			
Xylene (o)	0.0995	0.00100	"	0.100		99.5	80-120			
Surrogate: 4-Bromofluorobenzene	*0.115*		*"*	*0.120*		*95.5*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.122*		*"*	*0.120*		*102*	*80-120*			
Calibration Check (P2C1702-CCV2)				Prepared & Analyzed: 03/17/22						
Benzene	0.114	0.00100	mg/L	0.100		114	80-120			
Toluene	0.101	0.00100	"	0.100		101	80-120			
Ethylbenzene	0.104	0.00100	"	0.100		104	80-120			
Xylene (p/m)	0.219	0.00200	"	0.200		110	80-120			
Xylene (o)	0.108	0.00100	"	0.100		108	80-120			
Surrogate: 4-Bromofluorobenzene	*0.108*		*"*	*0.120*		*89.6*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.121*		*"*	*0.120*		*100*	*80-120*			
Calibration Check (P2C1702-CCV3)				Prepared: 03/17/22 Analyzed: 03/18/22						
Benzene	0.112	0.00100	mg/L	0.100		112	80-120			
Toluene	0.106	0.00100	"	0.100		106	80-120			
Ethylbenzene	0.112	0.00100	"	0.100		112	80-120			
Xylene (p/m)	0.235	0.00200	"	0.200		117	80-120			
Xylene (o)	0.114	0.00100	"	0.100		114	80-120			
Surrogate: 4-Bromofluorobenzene	*0.110*		*"*	*0.120*		*92.0*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.120*		*"*	*0.120*		*99.9*	*80-120*			

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Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2C1702 - General Preparation (GC)										
Matrix Spike (P2C1702-MS1)	**Source: 2C16002-01**			Prepared: 03/17/22 Analyzed: 03/18/22						
Benzene	0.123	0.00100	mg/L	0.100	0.000890	123	80-120			QM-05
Toluene	0.115	0.00100	"	0.100	ND	115	80-120			
Ethylbenzene	0.131	0.00100	"	0.100	0.00175	129	80-120			QM-05
Xylene (p/m)	0.249	0.00200	"	0.200	0.00125	124	80-120			QM-05
Xylene (o)	0.118	0.00100	"	0.100	ND	118	80-120			
Surrogate: 4-Bromofluorobenzene	*0.109*		*"*	*0.120*		*91.1*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.121*		*"*	*0.120*		*101*	*80-120*			
Matrix Spike Dup (P2C1702-MSD1)	**Source: 2C16002-01**			Prepared: 03/17/22 Analyzed: 03/18/22						
Benzene	0.129	0.00100	mg/L	0.100	0.000890	128	80-120	4.17	20	QM-05
Toluene	0.116	0.00100	"	0.100	ND	116	80-120	0.977	20	
Ethylbenzene	0.133	0.00100	"	0.100	0.00175	131	80-120	1.92	20	QM-05
Xylene (p/m)	0.256	0.00200	"	0.200	0.00125	127	80-120	2.70	20	QM-05
Xylene (o)	0.123	0.00100	"	0.100	ND	123	80-120	4.13	20	QM-05
Surrogate: 4-Bromofluorobenzene	*0.109*		*"*	*0.120*		*90.7*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.120*		*"*	*0.120*		*99.6*	*80-120*			
Batch P2C2514 - General Preparation (GC)										
Blank (P2C2514-BLK1)				Prepared: 03/25/22 Analyzed: 03/26/22						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	*0.110*		*"*	*0.120*		*91.9*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.119*		*"*	*0.120*		*99.3*	*80-120*			

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Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2C2514 - General Preparation (GC)										
LCS (P2C2514-BS1)				Prepared: 03/25/22 Analyzed: 03/26/22						
Benzene	0.110	0.00100	mg/L	0.100		110	80-120			
Toluene	0.116	0.00100	"	0.100		116	80-120			
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120			
Xylene (p/m)	0.238	0.00200	"	0.200		119	80-120			
Xylene (o)	0.115	0.00100	"	0.100		115	80-120			
Surrogate: 4-Bromofluorobenzene	*0.117*		*"*	*0.120*		*97.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.121*		*"*	*0.120*		*101*	*80-120*			
LCS Dup (P2C2514-BSD1)				Prepared: 03/25/22 Analyzed: 03/26/22						
Benzene	0.112	0.00100	mg/L	0.100		112	80-120	1.87	20	
Toluene	0.119	0.00100	"	0.100		119	80-120	2.79	20	
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120	0.168	20	
Xylene (p/m)	0.237	0.00200	"	0.200		119	80-120	0.147	20	
Xylene (o)	0.116	0.00100	"	0.100		116	80-120	1.58	20	
Surrogate: 4-Bromofluorobenzene	*0.116*		*"*	*0.120*		*96.4*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.9*	*80-120*			
Calibration Blank (P2C2514-CCB1)				Prepared: 03/25/22 Analyzed: 03/26/22						
Benzene	0.150		mg/L							
Toluene	0.420		"							
Ethylbenzene	0.490		"							
Xylene (p/m)	1.12		"							
Xylene (o)	0.650		"							
Surrogate: 4-Bromofluorobenzene	*0.111*		*"*	*0.120*		*92.6*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.118*		*"*	*0.120*		*98.4*	*80-120*			
Calibration Check (P2C2514-CCV1)				Prepared: 03/25/22 Analyzed: 03/26/22						
Benzene	0.108	0.00100	mg/L	0.100		108	80-120			
Toluene	0.115	0.00100	"	0.100		115	80-120			
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120			
Xylene (p/m)	0.240	0.00200	"	0.200		120	80-120			
Xylene (o)	0.114	0.00100	"	0.100		114	80-120			
Surrogate: 4-Bromofluorobenzene	*0.117*		*"*	*0.120*		*97.3*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.120*		*"*	*0.120*		*99.8*	*80-120*			

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Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2C2514 - General Preparation (GC)										
Calibration Check (P2C2514-CCV2)				Prepared: 03/25/22 Analyzed: 03/26/22						
Benzene	0.107	0.00100	mg/L	0.100		107	80-120			
Toluene	0.112	0.00100	"	0.100		112	80-120			
Ethylbenzene	0.117	0.00100	"	0.100		117	80-120			
Xylene (p/m)	0.238	0.00200	"	0.200		119	80-120			
Xylene (o)	0.115	0.00100	"	0.100		115	80-120			
Surrogate: 4-Bromofluorobenzene	*0.118*		*"*	*0.120*		*98.7*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.121*		*"*	*0.120*		*101*	*80-120*			
Matrix Spike (P2C2514-MS1)		**Source: 2C17006-05**		Prepared: 03/25/22 Analyzed: 03/26/22						
Benzene	0.123	0.00100	mg/L	0.100	0.00776	115	80-120			
Toluene	0.123	0.00100	"	0.100	0.00470	118	80-120			
Ethylbenzene	0.140	0.00100	"	0.100	0.00285	137	80-120			QM-05
Xylene (p/m)	0.265	0.00200	"	0.200	0.00916	128	80-120			QM-05
Xylene (o)	0.115	0.00100	"	0.100	0.000680	114	80-120			
Surrogate: 4-Bromofluorobenzene	*0.124*		*"*	*0.120*		*103*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*96.0*	*80-120*			
Matrix Spike Dup (P2C2514-MSD1)		**Source: 2C17006-05**		Prepared: 03/25/22 Analyzed: 03/26/22						
Benzene	0.121	0.00100	mg/L	0.100	0.00776	113	80-120	1.70	20	
Toluene	0.119	0.00100	"	0.100	0.00470	114	80-120	3.25	20	
Ethylbenzene	0.134	0.00100	"	0.100	0.00285	131	80-120	4.68	20	QM-05
Xylene (p/m)	0.251	0.00200	"	0.200	0.00916	121	80-120	5.59	20	QM-05
Xylene (o)	0.111	0.00100	"	0.100	0.000680	110	80-120	3.44	20	
Surrogate: 4-Bromofluorobenzene	*0.121*		*"*	*0.120*		*101*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.6*	*80-120*			

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General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2C1705 - * DEFAULT PREP *** **										
Blank (P2C1705-BLK1)				Prepared & Analyzed: 03/17/22						
Nitrate as N	ND	0.200	mg/L							
Sulfate	ND	1.00	"							
LCS (P2C1705-BS1)				Prepared & Analyzed: 03/17/22						
Nitrate as N	3.87		mg/L	4.00		96.8	90-110			
Sulfate	41.9		"	40.0		105	90-110			
LCS Dup (P2C1705-BSD1)				Prepared & Analyzed: 03/17/22						
Nitrate as N	3.86		mg/L	4.00		96.6	90-110	0.207	10	
Sulfate	41.8		"	40.0		105	90-110	0.206	10	
Calibration Blank (P2C1705-CCB1)				Prepared & Analyzed: 03/17/22						
Nitrate as N	0.00		mg/L							
Sulfate	-0.152		"							
Calibration Check (P2C1705-CCV1)				Prepared & Analyzed: 03/17/22						
Sulfate	41.4		mg/L	40.0		104	90-110			
Nitrate as N	4.04		"	4.00		101	90-110			
Calibration Check (P2C1705-CCV2)				Prepared & Analyzed: 03/17/22						
Sulfate	41.5		mg/L	40.0		104	90-110			
Nitrate as N	3.82		"	4.00		95.6	90-110			
Matrix Spike (P2C1705-MS1)		**Source: 2C17006-01**		Prepared & Analyzed: 03/17/22						
Nitrate as N	1.39	0.200	mg/L	0.200	1.20	96.0	80-120			
Sulfate	76.3	1.00	"	2.00	75.7	28.6	80-120			QM-05
Matrix Spike Dup (P2C1705-MSD1)		**Source: 2C17006-01**		Prepared & Analyzed: 03/17/22						
Sulfate	76.2	1.00	mg/L	2.00	75.7	24.6	80-120	0.105	20	QM-05
Nitrate as N	1.38	0.200	"	0.200	1.20	93.0	80-120	0.433	20	

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General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2C2505 - * DEFAULT PREP *** **										
Blank (P2C2505-BLK1)				Prepared & Analyzed: 03/25/22						
Chemical Oxygen Demand	ND	1.10	mg/L							
Blank (P2C2505-BLK2)				Prepared & Analyzed: 03/25/22						
Chemical Oxygen Demand	ND	1.10	mg/L							
LCS (P2C2505-BS1)				Prepared & Analyzed: 03/25/22						
Chemical Oxygen Demand	97.0	1.10	mg/L	100		97.0	80-120			
LCS (P2C2505-BS2)				Prepared & Analyzed: 03/25/22						
Chemical Oxygen Demand	1060	1.10	mg/L	1000		106	80-120			
LCS Dup (P2C2505-BSD1)				Prepared & Analyzed: 03/25/22						
Chemical Oxygen Demand	103	1.10	mg/L	100		103	80-120	6.00	20	
LCS Dup (P2C2505-BSD2)				Prepared & Analyzed: 03/25/22						
Chemical Oxygen Demand	1090	1.10	mg/L	1000		109	80-120	2.60	20	
Duplicate (P2C2505-DUP1)		**Source: 2C16002-01**		Prepared & Analyzed: 03/25/22						
Chemical Oxygen Demand	24.0	1.10	mg/L		22.0			8.70	20	
Duplicate (P2C2505-DUP2)		**Source: 2C18004-01**		Prepared & Analyzed: 03/25/22						
Chemical Oxygen Demand	5320	11.0	mg/L		5200			2.28	20	
Matrix Spike (P2C2505-MS1)		**Source: 2C16002-01**		Prepared & Analyzed: 03/25/22						
Chemical Oxygen Demand	150	1.10	mg/L	100	22.0	128	80-120			QM-05
Matrix Spike (P2C2505-MS2)		**Source: 2C18004-01**		Prepared & Analyzed: 03/25/22						
Chemical Oxygen Demand	12400	11.0	mg/L	1000	5200	720	80-120			QM-05

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General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2C2505 - * DEFAULT PREP *** **										
Matrix Spike Dup (P2C2505-MSD1)	**Source: 2C16002-01**			Prepared & Analyzed: 03/25/22						
Chemical Oxygen Demand	150	1.10	mg/L	100	22.0	128	80-120	0.00	20	QM-05
Matrix Spike Dup (P2C2505-MSD2)	**Source: 2C18004-01**			Prepared & Analyzed: 03/25/22						
Chemical Oxygen Demand	18300	11.0	mg/L	1000	5200	NR	80-120	38.6	20	QM-05

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Dissolved Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2C2207 - * DEFAULT PREP *** **										
Blank (P2C2207-BLK1)				Prepared: 03/22/22 Analyzed: 03/23/22						
Iron	ND	0.0400	mg/L							
Manganese	ND	0.0400	"							
LCS (P2C2207-BS1)				Prepared: 03/22/22 Analyzed: 03/23/22						
Manganese	0.207	0.0400	mg/L	0.200		104	80-120			
Iron	0.408	0.0400	"	0.400		102	80-120			
LCS Dup (P2C2207-BSD1)				Prepared: 03/22/22 Analyzed: 03/23/22						
Manganese	0.209	0.0400	mg/L	0.200		105	80-120	0.994	20	
Iron	0.410	0.0400	"	0.400		103	80-120	0.516	20	
Calibration Blank (P2C2207-CCB1)				Prepared: 03/22/22 Analyzed: 03/23/22						
Manganese	-0.000577		mg/L							
Iron	-0.0269		"							
Calibration Blank (P2C2207-CCB2)				Prepared: 03/22/22 Analyzed: 03/23/22						
Iron	-0.0225		mg/L							
Manganese	-0.000643		"							
Calibration Blank (P2C2207-CCB3)				Prepared: 03/22/22 Analyzed: 03/23/22						
Manganese	-0.000629		mg/L							
Iron	-0.0200		"							
Calibration Check (P2C2207-CCV1)				Prepared: 03/22/22 Analyzed: 03/23/22						
Manganese	0.213	0.0400	mg/L	0.200		107	80-120			
Iron	0.416	0.0400	"	0.400		104	80-120			
Calibration Check (P2C2207-CCV2)				Prepared: 03/22/22 Analyzed: 03/23/22						
Iron	0.419	0.0400	mg/L	0.400		105	80-120			
Manganese	0.197	0.0400	"	0.200		98.6	80-120			

TRC Solutions- Midland, Texas	Project: HDO 90-23_MNA
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Dissolved Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2C2207 - * DEFAULT PREP *** **										
Calibration Check (P2C2207-CCV3)				Prepared: 03/22/22 Analyzed: 03/23/22						
Iron	0.428	0.0400	mg/L	0.400		107	80-120			
Manganese	0.196	0.0400	"	0.200		98.1	80-120			
Matrix Spike (P2C2207-MS1)		**Source: 2C16002-01**		Prepared: 03/22/22 Analyzed: 03/23/22						
Manganese	0.200	0.0400	mg/L	0.200	0.0134	93.2	75-125			
Iron	0.411	0.0400	"	0.400	ND	103	75-125			
Matrix Spike Dup (P2C2207-MSD1)		**Source: 2C16002-01**		Prepared: 03/22/22 Analyzed: 03/23/22						
Iron	0.408	0.0400	mg/L	0.400	ND	102	75-125	0.793	20	
Manganese	0.198	0.0400	"	0.200	0.0134	92.2	75-125	0.981	20	

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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
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 3/29/2022

Brent Barron, Laboratory Director/Technical Director

TRC Solutions- Midland, Texas	Project: HDO 90-23_MNA
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Midland TX, 79705	Project Manager: Curt Stanley

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-661-4184

Project Manager: Curt Stanley

Company Name: TRC Environmental Corporation

Company Address: 10 Desta Drive, Ste 130E

City/State/Zip: Midland/TX/79703

Telephone No: (432)5207720 Fax No:

Sampler Signature:

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

Project Name: HDO 90-23

Project #: HDO 90-23

Project Loc: Lea County, New Mexico

PO #:

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

(lab use only)

ORDER #: 2C170006

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TOC SM 5310	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
																	TCLP:							
																	TOTAL: X							
1	MW-17			3-16-22	1125	1	12	X	X	X	X					GW	X	X	X	X	X	X		X
2	MW-9				1210	1	12	X	X	X	X					GW	X	X	X	X	X	X		X
3	RW-2				1515	1	12	X	X	X	X					GW	X	X	X	X	X	X		X
4	MW-3				1353	1	12	X	X	X	X					GW	X	X	X	X	X	X		X
5	MW-2				1439	1	12	X	X	X	X					GW	X	X	X	X	X	X		X
6	MW-6				1557	1	12	X	X	X	X					GW	X	X	X	X	X	X		X

Special Instructions:

BILL TO PLAINS Filter 250 mL in Lab

Relinquished by:	Date	Time	Received by:	Date	Time
Manny	3-17-22	0850			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	Date	Time
			Ron Haddock	3/17/22	8:53

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 5.2 °C
Adjusted: 5.2 °C Factor +1.1

PBELAB

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

Sample Receipt Checklist

Yes ✓		Notes
	Chain of custody present?	
	Chain of custody signed/dated/time when relinquished and received?	
	Sample matrix/date present on COC for all samples?	
	Samplers name present on COC?	
	Chain of custody agrees with sample labels?	
	Sample containers intact?	
	Custody seals intact on sample bottles?	
	Samples in proper container/bottle?	
	Sufficient sample volume for indicated test?	
	All samples received within holding time?	
	Samples received with appropriate temp?	5.2
	Analysis requested for all samples submitted?	
	Bottles received in good condition?	
	Custody seals intact on shipping container/cooler?	

Login Notes:
Assorted VOC poly 2C17006

PBELAB

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

SAMPLE VARIANCE/NON-CONFORMANCE

Variance/Discrepancy:

Resolution:

Client Contacted

Name:

Date/Time:

NC Initiated by:_____ Approved by:_____

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

March 24, 2022

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

Work Order: **HS22031015**

Laboratory Results for: **2C17006**

Dear Brent Barron,

ALS Environmental received 6 sample(s) on Mar 18, 2022 for the analysis presented in the following report.

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

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

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

Sincerely,

Bernadette Fini

Generated By: DAYNA.FISHER
Bernadette A. Fini
Project Manager

ALS Houston, US Date: 24-Mar-22

Client: Permian Basin Environmental Lab, LP
Project: 2C17006
Work Order: HS22031015

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS22031015-01	2C17006-01	Water		16-Mar-2022 11:25	18-Mar-2022 09:05	☐
HS22031015-02	2C17006-02	Water		16-Mar-2022 12:10	18-Mar-2022 09:05	☐
HS22031015-03	2C17006-03	Water		16-Mar-2022 15:15	18-Mar-2022 09:05	☐
HS22031015-04	2C17006-04	Water		16-Mar-2022 13:53	18-Mar-2022 09:05	☐
HS22031015-05	2C17006-05	Water		16-Mar-2022 16:39	18-Mar-2022 09:05	☐
HS22031015-06	2C17006-06	Water		16-Mar-2022 15:57	18-Mar-2022 09:05	☐

ALS Houston, US Date: 24-Mar-22

Client: Permian Basin Environmental Lab, LP **CASE NARRATIVE**
Project: 2C17006
Work Order: HS22031015

GC Semivolatiles by Method RSK-175

Batch ID: R404799

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

WetChemistry by Method E415.1

Batch ID: R404788

Sample ID: 2C17006-06 (HS22031015-06)

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

Sample ID: HS22031099-01MS

• MS is for an unrelated sample

Batch ID: R404685

Sample ID: 2C17006-01 (HS22031015-01)

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

Sample ID: 2C17006-02 (HS22031015-02)

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

Sample ID: 2C17006-03 (HS22031015-03)

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

ALS Houston, US Date: 24-Mar-22

Client: Permian Basin Environmental Lab, LP
Project: 2C17006
Sample ID: 2C17006-01
Collection Date: 16-Mar-2022 11:25

ANALYTICAL REPORT
WorkOrder:HS22031015
Lab ID:HS22031015-01
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		**Method:RSK-175**				Analyst: PPM
Ethane	ND		1.00	ug/L	1	23-Mar-2022 11:19
Ethene	ND		1.00	ug/L	1	23-Mar-2022 11:19
Methane	**2.28**		**0.500**	**ug/L**	1	23-Mar-2022 11:19
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: JAC
Organic Carbon, Total	ND		10.0	mg/L	10	23-Mar-2022 03:47

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

ALS Houston, US Date: 24-Mar-22

Client: Permian Basin Environmental Lab, LP
Project: 2C17006
Sample ID: 2C17006-02
Collection Date: 16-Mar-2022 12:10

ANALYTICAL REPORT
WorkOrder:HS22031015
Lab ID:HS22031015-02
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		**Method:RSK-175**				Analyst: PPM
Ethane	ND		1.00	ug/L	1	23-Mar-2022 11:28
Ethene	**1.17**		**1.00**	**ug/L**	1	23-Mar-2022 11:28
Methane	**2.69**		**0.500**	**ug/L**	1	23-Mar-2022 11:28
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: JAC
Organic Carbon, Total	ND		10.0	mg/L	10	23-Mar-2022 03:59

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

ALS Houston, US Date: 24-Mar-22

Client: Permian Basin Environmental Lab, LP
Project: 2C17006
Sample ID: 2C17006-03
Collection Date: 16-Mar-2022 15:15

ANALYTICAL REPORT
WorkOrder:HS22031015
Lab ID:HS22031015-03
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		**Method:RSK-175**				Analyst: PPM
Ethane	ND		1.00	ug/L	1	23-Mar-2022 11:37
Ethene	ND		1.00	ug/L	1	23-Mar-2022 11:37
Methane	**2.89**		**0.500**	**ug/L**	1	23-Mar-2022 11:37
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: JAC
Organic Carbon, Total	ND		10.0	mg/L	10	23-Mar-2022 04:11

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

ALS Houston, US Date: 24-Mar-22

Client: Permian Basin Environmental Lab, LP
Project: 2C17006
Sample ID: 2C17006-04
Collection Date: 16-Mar-2022 13:53

ANALYTICAL REPORT
WorkOrder:HS22031015
Lab ID:HS22031015-04
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		**Method:RSK-175**				Analyst: PPM
Ethane	**2.78**		**1.00**	**ug/L**	1	23-Mar-2022 11:45
Ethene	ND		1.00	ug/L	1	23-Mar-2022 11:45
Methane	**2,460**		**50.0**	**ug/L**	100	23-Mar-2022 12:13
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: JAC
Organic Carbon, Total	**12.4**		**10.0**	**mg/L**	10	23-Mar-2022 04:24

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

ALS Houston, US Date: 24-Mar-22

Client: Permian Basin Environmental Lab, LP
Project: 2C17006
Sample ID: 2C17006-05
Collection Date: 16-Mar-2022 16:39

ANALYTICAL REPORT
WorkOrder:HS22031015
Lab ID:HS22031015-05
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		**Method:RSK-175**				Analyst: PPM
Ethane	**3.14**		**1.00**	**ug/L**	1	23-Mar-2022 11:53
Ethene	ND		1.00	ug/L	1	23-Mar-2022 11:53
Methane	**1,910**		**50.0**	**ug/L**	100	23-Mar-2022 12:21
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: JAC
Organic Carbon, Total	**18.6**		**10.0**	**mg/L**	10	23-Mar-2022 18:16

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

ALS Houston, US Date: 24-Mar-22

Client: Permian Basin Environmental Lab, LP
Project: 2C17006
Sample ID: 2C17006-06
Collection Date: 16-Mar-2022 15:57

ANALYTICAL REPORT
WorkOrder:HS22031015
Lab ID:HS22031015-06
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		**Method:RSK-175**				Analyst: PPM
Ethane	**1.72**		**1.00**	**ug/L**	1	23-Mar-2022 12:01
Ethene	**7.61**		**5.00**	**ug/L**	5	23-Mar-2022 12:29
Methane	**99.2**		**2.50**	**ug/L**	5	23-Mar-2022 12:29
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: JAC
Organic Carbon, Total	ND		10.0	mg/L	10	23-Mar-2022 18:28

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

ALS Houston, US Date: 24-Mar-22

Client: Permian Basin Environmental Lab, LP
Project: 2C17006
WorkOrder: HS22031015

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R404685 (0)	**Test Name :** TOTAL ORGANIC CARBON BY E415.1				**Matrix:** Water	
HS22031015-01	2C17006-01	16 Mar 2022 11:25			23 Mar 2022 03:47	10
HS22031015-02	2C17006-02	16 Mar 2022 12:10			23 Mar 2022 03:59	10
HS22031015-03	2C17006-03	16 Mar 2022 15:15			23 Mar 2022 04:11	10
HS22031015-04	2C17006-04	16 Mar 2022 13:53			23 Mar 2022 04:24	10
Batch ID: R404788 (0)	**Test Name :** TOTAL ORGANIC CARBON BY E415.1				**Matrix:** Water	
HS22031015-05	2C17006-05	16 Mar 2022 16:39			23 Mar 2022 18:16	10
HS22031015-06	2C17006-06	16 Mar 2022 15:57			23 Mar 2022 18:28	10
Batch ID: R404799 (0)	**Test Name :** DISSOLVED GASES BY RSK-175				**Matrix:** Water	
HS22031015-01	2C17006-01	16 Mar 2022 11:25			23 Mar 2022 11:19	1
HS22031015-02	2C17006-02	16 Mar 2022 12:10			23 Mar 2022 11:28	1
HS22031015-03	2C17006-03	16 Mar 2022 15:15			23 Mar 2022 11:37	1
HS22031015-04	2C17006-04	16 Mar 2022 13:53			23 Mar 2022 12:13	100
HS22031015-04	2C17006-04	16 Mar 2022 13:53			23 Mar 2022 11:45	1
HS22031015-05	2C17006-05	16 Mar 2022 16:39			23 Mar 2022 12:21	100
HS22031015-05	2C17006-05	16 Mar 2022 16:39			23 Mar 2022 11:53	1
HS22031015-06	2C17006-06	16 Mar 2022 15:57			23 Mar 2022 12:29	5
HS22031015-06	2C17006-06	16 Mar 2022 15:57			23 Mar 2022 12:01	1

ALS Houston, US Date: 24-Mar-22

Client: Permian Basin Environmental Lab, LP
Project: 2C17006
WorkOrder: HS22031015

QC BATCH REPORT

Batch ID: R404799 (0) **Instrument:** FID-4 **Method:** DISSOLVED GASES BY RSK-175

MBLK Sample ID: **MBLK-220323** Units: **ug/L** Analysis Date: **23-Mar-2022 09:45**
Client ID: Run ID: **FID-4_404799** SeqNo: **6559176** 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-220323** Units: **ug/L** Analysis Date: **23-Mar-2022 09:52**
Client ID: Run ID: **FID-4_404799** SeqNo: **6559177** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ethane	16.44	1.00	18.04	0	91.1	75 - 125				
Ethene	16.86	1.00	16.8	0	100	75 - 125				
Methane	11.67	0.500	9.647	0	121	75 - 125				

LCSD Sample ID: **LCSD-220323** Units: **ug/L** Analysis Date: **23-Mar-2022 10:00**
Client ID: Run ID: **FID-4_404799** SeqNo: **6559178** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ethane	15.97	1.00	18.04	0	88.5	75 - 125	16.44	2.9	30	
Ethene	16.02	1.00	16.8	0	95.4	75 - 125	16.86	5.08	30	
Methane	11.29	0.500	9.647	0	117	75 - 125	11.67	3.35	30	

The following samples were analyzed in this batch: HS22031015-01 HS22031015-02 HS22031015-03 HS22031015-04 HS22031015-05 HS22031015-06

ALS Houston, US Date: 24-Mar-22

Client: Permian Basin Environmental Lab, LP
Project: 2C17006
WorkOrder: HS22031015

QC BATCH REPORT

Batch ID: R404685 (0) **Instrument: TOC_04** **Method: TOTAL ORGANIC CARBON BY E415.1**

MBLK Sample ID: **MBLK-03222022** Units: **mg/L** Analysis Date: **23-Mar-2022 00:54**
Client ID: Run ID: **TOC_04_404685** SeqNo: **6556212** 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-03222022** Units: **mg/L** Analysis Date: **23-Mar-2022 01:08**
Client ID: Run ID: **TOC_04_404685** SeqNo: **6556213** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	9.378	1.00	10	0	93.8	85 - 115				

LCSD Sample ID: **LCSD-03222022** Units: **mg/L** Analysis Date: **23-Mar-2022 01:22**
Client ID: Run ID: **TOC_04_404685** SeqNo: **6556214** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	9.646	1.00	10	0	96.5	85 - 115	9.378	2.82	20	

MS Sample ID: **HS22031013-01MS** Units: **mg/L** Analysis Date: **23-Mar-2022 01:48**
Client ID: Run ID: **TOC_04_404685** SeqNo: **6556216** PrepDate: DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	108.7	10.0	100	0.2625	108	80 - 120				

The following samples were analyzed in this batch: HS22031015-01 HS22031015-02 HS22031015-03 HS22031015-04

ALS Houston, US Date: 24-Mar-22

Client: Permian Basin Environmental Lab, LP
Project: 2C17006
WorkOrder: HS22031015

QC BATCH REPORT

Batch ID: R404788 (0) **Instrument: TOC_04** **Method: TOTAL ORGANIC CARBON BY E415.1**

MBLK Sample ID: **MBLK-03232022** Units: **mg/L** Analysis Date: **23-Mar-2022 17:35**
Client ID: Run ID: **TOC_04_404788** SeqNo: **6558953** 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-03232022** Units: **mg/L** Analysis Date: **23-Mar-2022 17:49**
Client ID: Run ID: **TOC_04_404788** SeqNo: **6558954** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	9.662	1.00	10	0	96.6	85 - 115				

LCSD Sample ID: **LCSD-03232022** Units: **mg/L** Analysis Date: **23-Mar-2022 18:03**
Client ID: Run ID: **TOC_04_404788** SeqNo: **6558955** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	9.783	1.00	10	0	97.8	85 - 115	9.662	1.24	20	

MS Sample ID: **HS22031099-01MS** Units: **mg/L** Analysis Date: **23-Mar-2022 18:56**
Client ID: Run ID: **TOC_04_404788** SeqNo: **6558959** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	14.97	1.00	10	2.73	122	80 - 120				S

The following samples were analyzed in this batch: HS22031015-05 HS22031015-06

ALS Houston, US Date: 24-Mar-22

Client: Permian Basin Environmental Lab, LP
Project: 2C17006
WorkOrder: **HS22031015**

QUALIFIERS, ACRONYMS, UNITS

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

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

ALS Houston, US Date: 24-Mar-22

CERTIFICATIONS,ACCREDITATIONS & LICENSES

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

ALS Houston, US Date: 24-Mar-22

Sample Receipt Checklist

Work Order ID: HS22031015 **Date/Time Received:** 18-Mar-2022 09:05

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

Completed By:	/S/ Pablo Marinez	18-Mar-2022 20:02	**Reviewed by:**	/S/ Bernadette A. Fini	21-Mar-2022 12:16
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **WATER** Carrier name: **FedEx Priority Overnight**

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

Temperature(s)/Thermometer(s):	0.5°C/1.0°C UC/C	IR 31
Cooler(s)/Kit(s):	RED	
Date/Time sample(s) sent to storage:	3/18/22 20:10	

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

HS22031015

Permian Basin Environmental Lab. LP
2C17006

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

Report Format: X Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: ICE	HNO_3 250 poly 1	HCl 3 40mL VOA	H_2SO_4 1 Amber 500 250 poly	NaOH /ZNAC 250 Poly 1	$Na_2S_2O_3$	None Poly 500mL 250mL Glass Amber 1000 500 mL	NONE 3 AMBER VOAA VIALS	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: 8270C PAH LL	METALS RCRA 8 TCLP ICPMS/7471	TOC-SM 5310B	RSK-175 Methane,Ethane,Ethene	8270 TOTAL SEMIVOLATILE	8260 Complete List Total	Na, Ca,K,Mg Total ICP 6020	Cd TCLP ICP/MS 6020A	NORM 901.1M	METHANOL 8015M	GLYCOLS-DI 8015B	8260B TCLP BENZENE	AMMONIA AS N	48 HOUR	STANDARD 4 DAY
	2C17006-01			3/16/2022	11:25		5	X		X						W			X	X										X
	2C17006-02			3/16/2022	12:10		5	X		X						W			X	X										X
	2C17006-03			3/16/2022	15:15		5	X		X						W			X	X										X
	2C17006-04			3/16/2022	13:53		5	X		X						W			X	X										X
	2C17006-05			3/16/2022	4:39		5	X		X						W			X	X										X
	2C17006-06			3/16/2022	15:57		5	X		X						W			X	X										X

Special Instructions:

	Date	Time		Date	Time
Relinquished by: Brent Barron	3/17/22	17:00	Received by:	3/18/22	9:05
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 0.5 °C
Adjusted: °C Factor

RED IK3, LP#GS

Red

MAR 1 5 2022

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

PBELAB

Analytical Report

Prepared for:

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

Project: HDO 90-23
Project Number: TNM HDO 90-23
Location: Lea County, NM

Lab Order Number: 2C17005

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 03/23/22

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

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
RW-1	2C17005-01	Water	03/16/22 15:37	03-17-2022 08:53

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

RW-1

2C17005-01 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	**0.0183**	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/18/22 00:33	EPA 8021B	
Toluene	**0.00183**	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/18/22 00:33	EPA 8021B	
Ethylbenzene	**0.00511**	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/18/22 00:33	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2C1702	03/17/22 10:37	03/18/22 00:33	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/18/22 00:33	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*90.3 %*	*80-120*		*P2C1702*	*03/17/22 10:37*	*03/18/22 00:33*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.0 %*	*80-120*		*P2C1702*	*03/17/22 10:37*	*03/18/22 00:33*	*EPA 8021B*	

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

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2C1702 - General Preparation (GC)										
Blank (P2C1702-BLK1)				Prepared & Analyzed: 03/17/22						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	*0.110*		"	*0.120*		*91.7*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.120*		"	*0.120*		*100*	*80-120*			
LCS (P2C1702-BS1)				Prepared & Analyzed: 03/17/22						
Benzene	0.101	0.00100	mg/L	0.100		101	80-120			
Toluene	0.104	0.00100	"	0.100		104	80-120			
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120			
Xylene (p/m)	0.230	0.00200	"	0.200		115	80-120			
Xylene (o)	0.103	0.00100	"	0.100		103	80-120			
Surrogate: 4-Bromofluorobenzene	*0.117*		"	*0.120*		*97.1*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.121*		"	*0.120*		*101*	*80-120*			
LCS Dup (P2C1702-BSD1)				Prepared & Analyzed: 03/17/22						
Benzene	0.104	0.00100	mg/L	0.100		104	80-120	2.65	20	
Toluene	0.108	0.00100	"	0.100		108	80-120	3.18	20	
Ethylbenzene	0.116	0.00100	"	0.100		116	80-120	2.81	20	
Xylene (p/m)	0.238	0.00200	"	0.200		119	80-120	3.61	20	
Xylene (o)	0.107	0.00100	"	0.100		107	80-120	3.96	20	
Surrogate: 4-Bromofluorobenzene	*0.116*		"	*0.120*		*96.6*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.122*		"	*0.120*		*102*	*80-120*			
Calibration Check (P2C1702-CCV1)				Prepared & Analyzed: 03/17/22						
Benzene	0.0998	0.00100	mg/L	0.100		99.8	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.103	0.00100	"	0.100		103	80-120			
Xylene (p/m)	0.216	0.00200	"	0.200		108	80-120			
Xylene (o)	0.0995	0.00100	"	0.100		99.5	80-120			
Surrogate: 4-Bromofluorobenzene	*0.115*		"	*0.120*		*95.5*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.122*		"	*0.120*		*102*	*80-120*			

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

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2C1702 - General Preparation (GC)										
Calibration Check (P2C1702-CCV2)				Prepared & Analyzed: 03/17/22						
Benzene	0.114	0.00100	mg/L	0.100		114	80-120			
Toluene	0.101	0.00100	"	0.100		101	80-120			
Ethylbenzene	0.104	0.00100	"	0.100		104	80-120			
Xylene (p/m)	0.219	0.00200	"	0.200		110	80-120			
Xylene (o)	0.108	0.00100	"	0.100		108	80-120			
Surrogate: 4-Bromofluorobenzene	*0.108*		*"*	*0.120*		*89.6*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.121*		*"*	*0.120*		*100*	*80-120*			
Calibration Check (P2C1702-CCV3)				Prepared: 03/17/22 Analyzed: 03/18/22						
Benzene	0.112	0.00100	mg/L	0.100		112	80-120			
Toluene	0.106	0.00100	"	0.100		106	80-120			
Ethylbenzene	0.112	0.00100	"	0.100		112	80-120			
Xylene (p/m)	0.235	0.00200	"	0.200		117	80-120			
Xylene (o)	0.114	0.00100	"	0.100		114	80-120			
Surrogate: 4-Bromofluorobenzene	*0.110*		*"*	*0.120*		*92.0*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.120*		*"*	*0.120*		*99.9*	*80-120*			
Matrix Spike (P2C1702-MS1)		**Source: 2C16002-01**		Prepared: 03/17/22 Analyzed: 03/18/22						
Benzene	0.123	0.00100	mg/L	0.100	0.000890	123	80-120			QM-05
Toluene	0.115	0.00100	"	0.100	ND	115	80-120			
Ethylbenzene	0.131	0.00100	"	0.100	0.00175	129	80-120			QM-05
Xylene (p/m)	0.249	0.00200	"	0.200	0.00125	124	80-120			QM-05
Xylene (o)	0.118	0.00100	"	0.100	ND	118	80-120			
Surrogate: 4-Bromofluorobenzene	*0.109*		*"*	*0.120*		*91.1*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.121*		*"*	*0.120*		*101*	*80-120*			
Matrix Spike Dup (P2C1702-MSD1)		**Source: 2C16002-01**		Prepared: 03/17/22 Analyzed: 03/18/22						
Benzene	0.129	0.00100	mg/L	0.100	0.000890	128	80-120	4.17	20	QM-05
Toluene	0.116	0.00100	"	0.100	ND	116	80-120	0.977	20	
Ethylbenzene	0.133	0.00100	"	0.100	0.00175	131	80-120	1.92	20	QM-05
Xylene (p/m)	0.256	0.00200	"	0.200	0.00125	127	80-120	2.70	20	QM-05
Xylene (o)	0.123	0.00100	"	0.100	ND	123	80-120	4.13	20	QM-05
Surrogate: 4-Bromofluorobenzene	*0.109*		*"*	*0.120*		*90.7*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.120*		*"*	*0.120*		*99.6*	*80-120*			

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

Notes and Definitions

ROI	Received on Ice
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
pH1	The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.
BULK	Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 3/23/2022

Brent Barron, Laboratory Director/Technical Director

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

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-661-4184

Project Manager: Curt Stanley

Company Name: TRC Environmental Corporation

Company Address: 10 Desta Drive, Ste 130E

City/State/Zip: Midland/TX/79703

Telephone No: (432)5207720 Fax No:

Sampler Signature:

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

Project Name: HDO 90-23

Project #: HDO 90-23

Project Loc: Lea County, New Mexico

PO #:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: 2C17005

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge / GW = Groundwater S=Soil/Solid / NP=Non-Potable Specify Other	Analyze For: TPH: 418.1 / 8015M / 8015B	TPH: TX 1005 / TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides E 300	Paint Filter	TCLP Benzene	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
																	TCLP:															
																	TOTAL:								X							
—	RW-1			3-16-22	1537		1	X		X						GW								X						X	X

Special Instructions:

BILL TO PLAINS

Relinquished by:	Date	Time	Received by:	Date	Time
	3-17-22	0850			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	3/17/22	8:53

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 4.2 °C
Adjusted: 5.2 °C Factor +1 4

PBELAB

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

Sample Receipt Checklist

Yes		Notes
✓	Chain of custody present?	
	Chain of custody signed/dated/time when relinquished and received?	
	Correct container used for analysis requested?	
	Samplers name present on COC?	
	Chain of Custody agrees with sample labels?	
	Sample containers intact?	
	Custody seals intact on sample bottles?	
	Samples in proper container/bottle?	
	Sufficient sample volume for indicated test?	
	All samples received within holding time?	
	Sample received within appropriate temp? 3.2c	
	Analysis requested for all samples submitted?	
	Shipping container/cooler in good condition?	
	Custody seals intact on shipping container/cooler?	

Login Notes:
HCL VOA 2C17005

PBELAB

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

SAMPLE VARIANCE/NON-CONFORMANCE

Variance/Discrepancy:

Resolution:

Client Contacted
Name:
Date/Time:

NC Initiated by:_____ Approved by:_____

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

PBELAB

Analytical Report

Prepared for:

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Location: Lea County, NM

Lab Order Number: 2E20003

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 06/03/22

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: Curt Stanley

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-17	2E20003-01	Water	05/19/22 11:13	05-20-2022 08:11
MW-9	2E20003-02	Water	05/19/22 11:58	05-20-2022 08:11
RW-2	2E20003-03	Water	05/19/22 12:25	05-20-2022 08:11
MW-3	2E20003-04	Water	05/19/22 13:40	05-20-2022 08:11
MW-2	2E20003-05	Water	05/19/22 14:20	05-20-2022 08:11
MW-6	2E20003-06	Water	05/19/22 14:59	05-20-2022 08:11

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

Samples MW-3, MW-2, and MW-6 were collected in unpreserved containers and filtered and preserved at the lab due to sample matrix.

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: Curt Stanley

MW-17

2E20003-01 (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	P2E2506	05/25/22 14:54	05/26/22 11:23	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2E2506	05/25/22 14:54	05/26/22 11:23	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2E2506	05/25/22 14:54	05/26/22 11:23	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2E2506	05/25/22 14:54	05/26/22 11:23	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2E2506	05/25/22 14:54	05/26/22 11:23	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*96.3 %*	*80-120*		*P2E2506*	*05/25/22 14:54*	*05/26/22 11:23*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.2 %*	*80-120*		*P2E2506*	*05/25/22 14:54*	*05/26/22 11:23*	*EPA 8021B*	
Ethane	ND	0.00100	mg/L	1	P2F0212	05/31/22 10:26	05/31/22 10:26	8015M	SUB-13
Ethene	**0.00258**	0.00100	mg/L	1	P2F0212	05/31/22 10:26	05/31/22 10:26	8015M	SUB-13
Methane	**0.00299**	0.000500	mg/L	1	P2F0212	05/31/22 10:26	05/31/22 10:26	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									**QAL1**
Chemical Oxygen Demand	ND	1.10	mg/L	1	P2E2504	05/26/22 14:34	05/26/22 14:34	8000	QAL1
Nitrate as N	**1.09**	0.200	mg/L	1	P2E2004	05/20/22 11:55	05/21/22 19:45	EPA 300.0	
Sulfate	**73.2**	1.00	mg/L	1	P2E2004	05/20/22 11:55	05/21/22 19:45	EPA 300.0	
Total Organic Carbon	ND	1.00	mg/L	1	P2F0212	06/02/22 00:45	06/02/22 00:45	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	ND	0.200	mg/L	1	P2E2505	05/25/22 12:46	05/25/22 14:37	EPA 6010B	QAL1
Manganese	ND	0.100	mg/L	1	P2E2505	05/25/22 12:46	05/25/22 14:37	EPA 6010B	QAL1

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: Curt Stanley

MW-9

2E20003-02 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P2E2506	05/25/22 14:54	05/26/22 11:44	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2E2506	05/25/22 14:54	05/26/22 11:44	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2E2506	05/25/22 14:54	05/26/22 11:44	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2E2506	05/25/22 14:54	05/26/22 11:44	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2E2506	05/25/22 14:54	05/26/22 11:44	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*96.7 %*	*80-120*		*P2E2506*	*05/25/22 14:54*	*05/26/22 11:44*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.0 %*	*80-120*		*P2E2506*	*05/25/22 14:54*	*05/26/22 11:44*	*EPA 8021B*	
Ethane	ND	0.00100	mg/L	1	P2F0212	05/31/22 10:26	05/31/22 10:38	8015M	SUB-13
Ethene	**0.00253**	0.00100	mg/L	1	P2F0212	05/31/22 10:26	05/31/22 10:38	8015M	SUB-13
Methane	**0.00331**	0.000500	mg/L	1	P2F0212	05/31/22 10:26	05/31/22 10:38	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									**QAL1**
Chemical Oxygen Demand	ND	1.10	mg/L	1	P2E2504	05/26/22 14:34	05/26/22 14:34	8000	QAL1
Nitrate as N	**0.860**	0.200	mg/L	1	P2E2004	05/20/22 11:55	05/21/22 20:42	EPA 300.0	
Sulfate	**68.1**	1.00	mg/L	1	P2E2004	05/20/22 11:55	05/21/22 20:42	EPA 300.0	
Total Organic Carbon	**1.68**	1.00	mg/L	1	P2F0212	06/02/22 00:45	06/02/22 01:11	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	ND	0.200	mg/L	1	P2E2505	05/25/22 12:46	05/25/22 14:41	EPA 6010B	QAL1
Manganese	ND	0.100	mg/L	1	P2E2505	05/25/22 12:46	05/25/22 14:41	EPA 6010B	QAL1

TRC Solutions- Midland, Texas	Project: HDO 90-23_MNA
10 Desta Dr STE 150E	Project Number: TMN HDO 90-23
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2E20003-03 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P2E2506	05/25/22 14:54	05/26/22 12:05	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2E2506	05/25/22 14:54	05/26/22 12:05	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2E2506	05/25/22 14:54	05/26/22 12:05	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2E2506	05/25/22 14:54	05/26/22 12:05	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2E2506	05/25/22 14:54	05/26/22 12:05	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*98.0 %*	*80-120*		*P2E2506*	*05/25/22 14:54*	*05/26/22 12:05*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*98.1 %*	*80-120*		*P2E2506*	*05/25/22 14:54*	*05/26/22 12:05*	*EPA 8021B*	
Ethane	ND	0.00100	mg/L	1	P2F0212	05/31/22 10:26	05/31/22 10:47	8015M	SUB-13
Ethene	**0.00170**	0.00100	mg/L	1	P2F0212	05/31/22 10:26	05/31/22 10:47	8015M	SUB-13
Methane	**0.00191**	0.000500	mg/L	1	P2F0212	05/31/22 10:26	05/31/22 10:47	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									**QAL1**
Chemical Oxygen Demand	ND	1.10	mg/L	1	P2E2504	05/26/22 14:34	05/26/22 14:34	8000	QAL1
Nitrate as N	ND	0.200	mg/L	1	P2E2004	05/20/22 11:55	05/22/22 11:33	EPA 300.0	
Sulfate	**167**	1.00	mg/L	1	P2E2004	05/20/22 11:55	05/22/22 11:33	EPA 300.0	
Total Organic Carbon	**2.53**	1.00	mg/L	1	P2F0212	06/02/22 00:45	06/02/22 01:24	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	**1.21**	0.200	mg/L	1	P2E2505	05/25/22 12:46	05/25/22 14:44	EPA 6010B	QAL1
Manganese	**0.147**	0.100	mg/L	1	P2E2505	05/25/22 12:46	05/25/22 14:44	EPA 6010B	QAL1

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10 Desta Dr STE 150E	Project Number: TMN HDO 90-23
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2E20003-04 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	**0.109**	0.00100	mg/L	1	P2E2506	05/25/22 14:54	05/26/22 12:27	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2E2506	05/25/22 14:54	05/26/22 12:27	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2E2506	05/25/22 14:54	05/26/22 12:27	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2E2506	05/25/22 14:54	05/26/22 12:27	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2E2506	05/25/22 14:54	05/26/22 12:27	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*94.0 %*	*80-120*		*P2E2506*	*05/25/22 14:54*	*05/26/22 12:27*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.5 %*	*80-120*		*P2E2506*	*05/25/22 14:54*	*05/26/22 12:27*	*EPA 8021B*	
Ethane	ND	0.00100	mg/L	1	P2F0212	05/31/22 10:26	05/31/22 10:56	8015M	SUB-13
Ethene	**0.140**	0.100	mg/L	1	P2F0212	05/31/22 10:26	05/31/22 13:52	8015M	SUB-13
Methane	**1.87**	0.0500	mg/L	1	P2F0212	05/31/22 10:26	05/31/22 13:52	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									**QAL1**
Chemical Oxygen Demand	**43.0**	1.10	mg/L	1	P2E2504	05/26/22 14:34	05/26/22 14:34	8000	QAL1
Nitrate as N	ND	0.200	mg/L	1	P2E2004	05/20/22 11:55	05/21/22 21:20	EPA 300.0	
Sulfate	**196**	1.00	mg/L	1	P2E2004	05/20/22 11:55	05/21/22 21:20	EPA 300.0	
Total Organic Carbon	**18.3**	1.00	mg/L	100	P2F0212	06/02/22 00:45	06/02/22 01:39	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	**4.46**	0.200	mg/L	1	P2E2505	05/25/22 12:46	05/25/22 14:47	EPA 6010B	QAL1
Manganese	**0.188**	0.100	mg/L	1	P2E2505	05/25/22 12:46	05/25/22 14:47	EPA 6010B	QAL1

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10 Desta Dr STE 150E	Project Number: TMN HDO 90-23
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2E20003-05 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	**0.0277**	0.00100	mg/L	1	P2E2506	05/25/22 14:54	05/26/22 12:48	EPA 8021B	
Toluene	**0.00758**	0.00100	mg/L	1	P2E2506	05/25/22 14:54	05/26/22 12:48	EPA 8021B	
Ethylbenzene	**0.00462**	0.00100	mg/L	1	P2E2506	05/25/22 14:54	05/26/22 12:48	EPA 8021B	
Xylene (p/m)	**0.0146**	0.00200	mg/L	1	P2E2506	05/25/22 14:54	05/26/22 12:48	EPA 8021B	
Xylene (o)	**0.00450**	0.00100	mg/L	1	P2E2506	05/25/22 14:54	05/26/22 12:48	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*105 %*	*80-120*		*P2E2506*	*05/25/22 14:54*	*05/26/22 12:48*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*90.5 %*	*80-120*		*P2E2506*	*05/25/22 14:54*	*05/26/22 12:48*	*EPA 8021B*	
Ethane	**0.00392**	0.00100	mg/L	100	P2F0212	05/31/22 10:26	05/31/22 11:07	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2F0212	05/31/22 10:26	05/31/22 11:07	8015M	SUB-13
Methane	**1.60**	0.0500	mg/L	1	P2F0212	05/31/22 10:26	05/31/22 14:03	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									**QAL1**
Chemical Oxygen Demand	**56.0**	1.10	mg/L	1	P2E2504	05/26/22 14:34	05/26/22 14:34	8000	QAL1
Nitrate as N	ND	0.200	mg/L	1	P2E2004	05/20/22 11:55	05/21/22 21:39	EPA 300.0	
Sulfate	**7.96**	1.00	mg/L	1	P2E2004	05/20/22 11:55	05/21/22 21:39	EPA 300.0	
Total Organic Carbon	**24.6**	1.00	mg/L	1	P2F0212	06/02/22 00:45	06/02/22 01:53	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	**0.428**	0.200	mg/L	1	P2E2505	05/25/22 12:46	05/25/22 14:57	EPA 6010B	QAL1
Manganese	**0.0761**	0.100	mg/L	1	P2E2505	05/25/22 12:46	05/25/22 14:57	EPA 6010B	J, QAL1

TRC Solutions- Midland, Texas	Project: HDO 90-23_MNA
10 Desta Dr STE 150E	Project Number: TMN HDO 90-23
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2E20003-06 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	**0.186**	0.00100	mg/L	1	P2E2506	05/25/22 14:54	05/26/22 13:10	EPA 8021B	
Toluene	**0.00107**	0.00100	mg/L	1	P2E2506	05/25/22 14:54	05/26/22 13:10	EPA 8021B	
Ethylbenzene	**0.199**	0.00100	mg/L	1	P2E2506	05/25/22 14:54	05/26/22 13:10	EPA 8021B	
Xylene (p/m)	**0.155**	0.00200	mg/L	1	P2E2506	05/25/22 14:54	05/26/22 13:10	EPA 8021B	
Xylene (o)	**0.0146**	0.00100	mg/L	1	P2E2506	05/25/22 14:54	05/26/22 13:10	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*101 %*	*80-120*		*P2E2506*	*05/25/22 14:54*	*05/26/22 13:10*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.4 %*	*80-120*		*P2E2506*	*05/25/22 14:54*	*05/26/22 13:10*	*EPA 8021B*	
Ethane	ND	0.00100	mg/L	100	P2F0212	05/31/22 10:26	05/31/22 11:33	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2F0212	05/31/22 10:26	05/31/22 11:33	8015M	SUB-13
Methane	**0.782**	0.0250	mg/L	1	P2F0212	05/31/22 10:26	05/31/22 14:13	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									**QAL1**
Chemical Oxygen Demand	ND	1.10	mg/L	1	P2E2504	05/26/22 14:34	05/26/22 14:34	8000	QAL1
Nitrate as N	ND	0.200	mg/L	1	P2E2004	05/20/22 11:55	05/22/22 11:52	EPA 300.0	
Sulfate	**16.8**	1.00	mg/L	1	P2E2004	05/20/22 11:55	05/22/22 11:52	EPA 300.0	
Total Organic Carbon	**5.59**	1.00	mg/L	1	P2F0212	06/02/22 00:45	06/02/22 02:06	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	ND	0.200	mg/L	1	P2E2505	05/25/22 12:46	05/25/22 15:00	EPA 6010B	QAL1
Manganese	**0.00373**	0.100	mg/L	1	P2E2505	05/25/22 12:46	05/25/22 15:00	EPA 6010B	J, QAL1

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10 Desta Dr STE 150E	Project Number: TMN HDO 90-23
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Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2E2506 - General Preparation (GC)										
Blank (P2E2506-BLK1)				Prepared: 05/25/22 Analyzed: 05/26/22						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	*0.116*		*"*	*0.120*		*96.4*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*97.0*	*80-120*			
LCS (P2E2506-BS1)				Prepared: 05/25/22 Analyzed: 05/26/22						
Benzene	0.0989	0.00100	mg/L	0.100		98.9	80-120			
Toluene	0.105	0.00100	"	0.100		105	80-120			
Ethylbenzene	0.116	0.00100	"	0.100		116	80-120			
Xylene (p/m)	0.220	0.00200	"	0.200		110	80-120			
Xylene (o)	0.109	0.00100	"	0.100		109	80-120			
Surrogate: 4-Bromofluorobenzene	*0.129*		*"*	*0.120*		*107*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.122*		*"*	*0.120*		*101*	*80-120*			
LCS Dup (P2E2506-BSD1)				Prepared: 05/25/22 Analyzed: 05/26/22						
Benzene	0.0982	0.00100	mg/L	0.100		98.2	80-120	0.710	20	
Toluene	0.105	0.00100	"	0.100		105	80-120	0.723	20	
Ethylbenzene	0.116	0.00100	"	0.100		116	80-120	0.525	20	
Xylene (p/m)	0.222	0.00200	"	0.200		111	80-120	0.911	20	
Xylene (o)	0.110	0.00100	"	0.100		110	80-120	0.575	20	
Surrogate: 4-Bromofluorobenzene	*0.123*		*"*	*0.120*		*102*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.5*	*80-120*			
Calibration Blank (P2E2506-CCB1)				Prepared: 05/25/22 Analyzed: 05/26/22						
Benzene	0.350		ug/l							
Toluene	0.200		"							
Ethylbenzene	0.310		"							
Xylene (p/m)	0.770		"							
Xylene (o)	0.440		"							
Surrogate: 4-Bromofluorobenzene	*0.113*		*"*	*0.120*		*94.6*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*96.2*	*80-120*			

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: Curt Stanley

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2E2506 - General Preparation (GC)										
Calibration Blank (P2E2506-CCB2)				Prepared: 05/25/22 Analyzed: 05/26/22						
Benzene	0.420		ug/l							
Toluene	0.200		"							
Ethylbenzene	0.460		"							
Xylene (p/m)	1.10		"							
Xylene (o)	0.580		"							
Surrogate: 4-Bromofluorobenzene	*0.121*		*"*	*0.120*		*101*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*95.8*	*80-120*			
Calibration Check (P2E2506-CCV1)				Prepared: 05/25/22 Analyzed: 05/26/22						
Benzene	0.0986	0.00100	mg/L	0.102		96.7	80-120			
Toluene	0.102	0.00100	"	0.102		99.9	80-120			
Ethylbenzene	0.104	0.00100	"	0.102		102	80-120			
Xylene (p/m)	0.211	0.00200	"	0.204		104	80-120			
Xylene (o)	0.107	0.00100	"	0.102		105	80-120			
Surrogate: 4-Bromofluorobenzene	*0.118*		*"*	*0.120*		*98.1*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*97.1*	*80-120*			
Calibration Check (P2E2506-CCV2)				Prepared: 05/25/22 Analyzed: 05/26/22						
Benzene	0.0983	0.00100	mg/L	0.102		96.4	80-120			
Toluene	0.101	0.00100	"	0.102		99.5	80-120			
Ethylbenzene	0.105	0.00100	"	0.102		103	80-120			
Xylene (p/m)	0.214	0.00200	"	0.204		105	80-120			
Xylene (o)	0.106	0.00100	"	0.102		104	80-120			
Surrogate: 4-Bromofluorobenzene	*0.125*		*"*	*0.120*		*104*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.8*	*80-120*			
Calibration Check (P2E2506-CCV3)				Prepared: 05/25/22 Analyzed: 05/26/22						
Benzene	0.0983	0.00100	mg/L				80-120			
Toluene	0.101	0.00100	"				80-120			
Ethylbenzene	0.105	0.00100	"				80-120			
Xylene (p/m)	0.215	0.00200	"				80-120			
Xylene (o)	0.106	0.00100	"				80-120			
Surrogate: 4-Bromofluorobenzene	*0.124*		*"*	*0.120*		*103*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.4*	*80-120*			

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10 Desta Dr STE 150E	Project Number: TMN HDO 90-23
Midland TX, 79705	Project Manager: Curt Stanley

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2E2506 - General Preparation (GC)										
Matrix Spike (P2E2506-MS1)		**Source: 2E20003-01**		Prepared: 05/25/22 Analyzed: 05/26/22						
Benzene	0.104	0.00100	mg/L	0.100	ND	104	80-120			
Toluene	0.109	0.00100	"	0.100	ND	109	80-120			
Ethylbenzene	0.115	0.00100	"	0.100	ND	115	80-120			
Xylene (p/m)	0.226	0.00200	"	0.200	ND	113	80-120			
Xylene (o)	0.112	0.00100	"	0.100	ND	112	80-120			
Surrogate: 4-Bromofluorobenzene	*0.126*		*"*	*0.120*		*105*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*96.1*	*80-120*			
Matrix Spike Dup (P2E2506-MSD1)		**Source: 2E20003-01**		Prepared: 05/25/22 Analyzed: 05/26/22						
Benzene	0.113	0.00100	mg/L	0.100	ND	113	80-120	9.06	20	
Toluene	0.119	0.00100	"	0.100	ND	119	80-120	9.34	20	
Ethylbenzene	0.117	0.00100	"	0.100	ND	117	80-120	2.35	20	
Xylene (p/m)	0.237	0.00200	"	0.200	ND	119	80-120	4.81	20	
Xylene (o)	0.119	0.00100	"	0.100	ND	119	80-120	6.39	20	
Surrogate: 4-Bromofluorobenzene	*0.125*		*"*	*0.120*		*104*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.7*	*80-120*			

TRC Solutions- Midland, Texas	Project: HDO 90-23_MNA
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General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2E2004 - * DEFAULT PREP *** **										
Blank (P2E2004-BLK1)				Prepared: 05/20/22 Analyzed: 05/21/22						
Sulfate	ND	1.00	mg/L							
Nitrate as N	ND	0.200	"							
LCS (P2E2004-BS1)				Prepared: 05/20/22 Analyzed: 05/21/22						
Sulfate	40.4		mg/L	40.0		101	90-110			
Nitrate as N	7.89		"	8.00		98.7	90-110			
Matrix Spike (P2E2004-MS1)	**Source: 2E20003-01**			Prepared: 05/20/22 Analyzed: 05/21/22						
Sulfate	ND	1.00	mg/L	25.0	73.2	NR	80-120			QM-05
Nitrate as N	0.323	0.200	"	5.00	1.09	NR	80-120			QM-05
Matrix Spike Dup (P2E2004-MSD1)	**Source: 2E20003-01**			Prepared: 05/20/22 Analyzed: 05/21/22						
Sulfate	77.1	1.00	mg/L	25.0	73.2	15.5	80-120		20	QM-05
Nitrate as N	2.12	0.200	"	5.00	1.09	20.6	80-120	147	20	QM-05
Batch P2E2504 - * DEFAULT PREP *** **										
Blank (P2E2504-BLK1)				Prepared & Analyzed: 05/26/22						**QAL1**
Chemical Oxygen Demand	ND	1.10	mg/L							QAL1
Blank (P2E2504-BLK2)				Prepared & Analyzed: 05/26/22						**QAL1**
Chemical Oxygen Demand	ND	1.10	mg/L							QAL1
LCS (P2E2504-BS1)				Prepared & Analyzed: 05/26/22						**QAL1**
Chemical Oxygen Demand	94.0	1.10	mg/L	100		94.0	80-120			QAL1
LCS (P2E2504-BS2)				Prepared & Analyzed: 05/26/22						**QAL1**
Chemical Oxygen Demand	1070	1.10	mg/L	1000		107	80-120			QAL1

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: Curt Stanley

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2E2504 - * DEFAULT PREP *** **										
LCS Dup (P2E2504-BSD1)				Prepared & Analyzed: 05/26/22						**QAL1**
Chemical Oxygen Demand	101	1.10	mg/L	100		101	80-120	7.18	20	QAL1
LCS Dup (P2E2504-BSD2)				Prepared & Analyzed: 05/26/22						**QAL1**
Chemical Oxygen Demand	1120	1.10	mg/L	1000		112	80-120	4.40	20	QAL1
Calibration Check (P2E2504-CCV1)				Prepared & Analyzed: 05/26/22						**QAL1**
Chemical Oxygen Demand	98.0	1.10	mg/L	100		98.0	80-120			
Calibration Check (P2E2504-CCV2)				Prepared & Analyzed: 05/26/22						**QAL1**
Chemical Oxygen Demand	101	1.10	mg/L	100		101	80-120			
Calibration Check (P2E2504-CCV3)				Prepared & Analyzed: 05/26/22						**QAL1**
Chemical Oxygen Demand	1150	1.10	mg/L	1000		115	80-120			
Calibration Check (P2E2504-CCV4)				Prepared & Analyzed: 05/26/22						**QAL1**
Chemical Oxygen Demand	1150	1.10	mg/L	1000		115	80-120			
Duplicate (P2E2504-DUP1)		**Source: 2E18002-01**		Prepared & Analyzed: 05/26/22						**QAL1**
Chemical Oxygen Demand	7870	1.10	mg/L		7310			7.38	20	
Duplicate (P2E2504-DUP2)		**Source: 2E20003-06**		Prepared & Analyzed: 05/26/22						**QAL1**
Chemical Oxygen Demand	7870	1.10	mg/L		ND			200	20	QM-05
Matrix Spike (P2E2504-MS1)		**Source: 2E20003-04**		Prepared & Analyzed: 05/26/22						**QAL1**
Chemical Oxygen Demand	ND	1.10	mg/L	100	43.0	NR	80-120			QAL1, QM-05
Matrix Spike (P2E2504-MS2)		**Source: 2E18002-08**		Prepared & Analyzed: 05/26/22						**QAL1**
Chemical Oxygen Demand	13600	1.10	mg/L	10000	6710	68.4	80-120			QM-05

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: Curt Stanley

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2E2504 - * DEFAULT PREP *** **										
Matrix Spike Dup (P2E2504-MSD1)	**Source: 2E20003-04**			Prepared & Analyzed: 05/26/22						**QAL1**
Chemical Oxygen Demand	ND	1.10	mg/L	100	43.0	NR	80-120		20	QAL1, QM-05
Matrix Spike Dup (P2E2504-MSD2)	**Source: 2E18002-08**			Prepared & Analyzed: 05/26/22						**QAL1**
Chemical Oxygen Demand	ND	1.10	mg/L	10000	6710	NR	80-120	200	20	QM-05

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: Curt Stanley

Dissolved Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

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

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: Curt Stanley

Dissolved Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2E2505 - * DEFAULT PREP *** **										
Matrix Spike (P2E2505-MS1)	**Source: 2E19001-01**			Prepared & Analyzed: 05/25/22						
Iron	0.477	0.200	mg/L	0.400	0.0422	109	75-125			QAL1
Manganese	0.211	0.100	"	0.200	ND	105	75-125			QAL1
Matrix Spike Dup (P2E2505-MSD1)	**Source: 2E19001-01**			Prepared & Analyzed: 05/25/22						
Iron	0.472	0.200	mg/L	0.400	0.0422	107	75-125	1.15	20	QAL1
Manganese	0.196	0.100	"	0.200	ND	97.9	75-125	7.30	20	QAL1

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: Curt Stanley

Notes and Definitions

SUB-13	Subcontract of analyte/analysis to ALS Houston.
ROI	Received on Ice
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
QAL1	The Laboratory is not TNI Certified for this analyte or analysis.
pH1	The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.
NPBEL C(	Chain of Custody was not generated at PBELAB
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 6/3/2022

Brent Barron, Laboratory Director/Technical Director

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: Curt Stanley

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-661-4184

Page 2 of 2 (1 of)

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

Project Name: HDO 90-23
Project #: TNM HDO 90-23
Project Loc: Lea County, New Mexico
PO #:
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: 2E20003

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered (1-250 NHO_3)	Total #. of Containers	Preservation & # of Containers: Ice	HNO_3 (1-250mL)	HCl (6 VOA + 1-250 mL)	H_2SO_4 (1-250 mL)	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TOC SM 5310	Dissolved Methane, Ethane, and Ethene by RSK-175	Total Dissolved Metals (Fe amd Mn) by SW 6010	Nitrate and Sulfate by E300	COD by SM 5310	Total BTEX by 8260	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides E 300	Paint Filter	TCLP Benzene	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
																	TCLP:															
																	TOTAL:	X														
1	MW-17			5-19-22	1113	1	9	X	1	7	1					GW	X	X	X	X	X	X										X
2	MW-9				1158	1	9	X	1	7	1					GW	X	X	X	X	X	X										X
3	RW-2				1224	1	9	X	1	7	1					GW	X	X	X	X	X	X										X
4	MW-3				1340	1	9	X	1	7	1					GW	X	X	X	X	X	X										X
5	MW-2				1420	1	9	X	1	7	1					GW	X	X	X	X	X	X										X
6	MW-6				1459	1	9	X	1	7	1					GW	X	X	X	X	X	X										X

Special Instructions:
MW 3, MW 2 and MW 6 need to be Filtered at lab

Relinquished by:	Date	Time	Received by:	Date	Time
Manny	5-20-22	811			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	5/20/22	811

Laboratory Comments:

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

Temperature Upon Receipt:
Received: °C
Adjusted: °C Factor
5.0 +1.0 6.0 CF 1

PBELAB

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

Sample Receipt Checklist

Yes		Notes
✓	Chain of custody present?	
	Chain of custody signed/dated/time when relinquished and received?	
	Sampler name/time present on COC for all samples?	
	Samplers name present on COC?	
	Chain of custody agrees with sample labels?	
	Sample containers intact?	
X	Custody seals intact on sample bottles?	
✓	Samples in proper container/bottle?	
	Sufficient sample volume for indicated test?	
	All samples received within holding time?	
	Samples received with appropriate temp?	6.0
	Analysis requested for all samples submitted?	
	Samples container/cooler in good condition?	
	Custody seals intact on shipping container/cooler?	

Login Notes:
260 poly
HCL VOA
26 2023

PBELAB

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

SAMPLE VARIANCE/NON-CONFORMANCE

Variance/Discrepancy:

Resolution:

Client Contacted

Name:

Date/Time:

NC Initiated by:_____ Approved by:_____

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

June 02, 2022

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

Work Order: **HS22051088**

Laboratory Results for: **2E20003**

Dear Brent Barron,

ALS Environmental received 6 sample(s) on May 24, 2022 for the analysis presented in the following report.

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

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

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

Sincerely,

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

ALS Houston, US Date: 02-Jun-22

Client: Permian Basin Environmental Lab, LP
Project: 2E20003
Work Order: HS22051088

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS22051088-01	2E20003-01	Water		19-May-2022 11:13	24-May-2022 09:15	☐
HS22051088-02	2E20003-02	Water		19-May-2022 11:58	24-May-2022 09:15	☐
HS22051088-03	2E20003-03	Water		19-May-2022 12:25	24-May-2022 09:15	☐
HS22051088-04	2E20003-04	Water		19-May-2022 13:40	24-May-2022 09:15	☐
HS22051088-05	2E20003-05	Water		19-May-2022 14:20	24-May-2022 09:15	☐
HS22051088-06	2E20003-06	Water		19-May-2022 14:59	24-May-2022 09:15	☐

ALS Houston, US Date: 02-Jun-22

Client: Permian Basin Environmental Lab, LP **CASE NARRATIVE**
Project: 2E20003
Work Order: HS22051088

GC Semivolatiles by Method RSK-175

Batch ID: R409770

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

WetChemistry by Method E415.1

Batch ID: R409866

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

ALS Houston, US Date: 02-Jun-22

Client: Permian Basin Environmental Lab, LP
Project: 2E20003
Sample ID: 2E20003-01
Collection Date: 19-May-2022 11:13

ANALYTICAL REPORT
WorkOrder:HS22051088
Lab ID:HS22051088-01
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		**Method:RSK-175**				Analyst: PPM
Ethane	ND		1.00	ug/L	1	31-May-2022 10:26
Ethene	**2.58**		**1.00**	**ug/L**	1	31-May-2022 10:26
Methane	**2.99**		**0.500**	**ug/L**	1	31-May-2022 10:26
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: SB
Organic Carbon, Total	ND		1.00	mg/L	1	02-Jun-2022 00:45

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

ALS Houston, US Date: 02-Jun-22

Client: Permian Basin Environmental Lab, LP
Project: 2E20003
Sample ID: 2E20003-02
Collection Date: 19-May-2022 11:58

ANALYTICAL REPORT
WorkOrder:HS22051088
Lab ID:HS22051088-02
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		**Method:RSK-175**				Analyst: PPM
Ethane	ND		1.00	ug/L	1	31-May-2022 10:38
Ethene	**2.53**		**1.00**	**ug/L**	1	31-May-2022 10:38
Methane	**3.31**		**0.500**	**ug/L**	1	31-May-2022 10:38
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: SB
Organic Carbon, Total	**1.68**		**1.00**	**mg/L**	1	02-Jun-2022 01:11

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

ALS Houston, US Date: 02-Jun-22

Client: Permian Basin Environmental Lab, LP
Project: 2E20003
Sample ID: 2E20003-03
Collection Date: 19-May-2022 12:25

ANALYTICAL REPORT
WorkOrder:HS22051088
Lab ID:HS22051088-03
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		**Method:RSK-175**				Analyst: PPM
Ethane	ND		1.00	ug/L	1	31-May-2022 10:47
Ethene	**1.70**		**1.00**	**ug/L**	1	31-May-2022 10:47
Methane	**1.91**		**0.500**	**ug/L**	1	31-May-2022 10:47
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: SB
Organic Carbon, Total	**2.53**		**1.00**	**mg/L**	1	02-Jun-2022 01:24

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

ALS Houston, US Date: 02-Jun-22

Client: Permian Basin Environmental Lab, LP
Project: 2E20003
Sample ID: 2E20003-04
Collection Date: 19-May-2022 13:40

ANALYTICAL REPORT
WorkOrder:HS22051088
Lab ID:HS22051088-04
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		**Method:RSK-175**				Analyst: PPM
Ethane	ND		1.00	ug/L	1	31-May-2022 10:56
Ethene	**140**		**100**	**ug/L**	100	31-May-2022 13:52
Methane	**1,870**		**50.0**	**ug/L**	100	31-May-2022 13:52
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: SB
Organic Carbon, Total	**18.3**		**1.00**	**mg/L**	1	02-Jun-2022 01:39

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

ALS Houston, US Date: 02-Jun-22

Client: Permian Basin Environmental Lab, LP
Project: 2E20003
Sample ID: 2E20003-05
Collection Date: 19-May-2022 14:20

ANALYTICAL REPORT
WorkOrder:HS22051088
Lab ID:HS22051088-05
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		**Method:RSK-175**				Analyst: PPM
Ethane	**3.92**		**1.00**	**ug/L**	1	31-May-2022 11:07
Ethene	ND		1.00	ug/L	1	31-May-2022 11:07
Methane	**1,600**		**50.0**	**ug/L**	100	31-May-2022 14:03
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: SB
Organic Carbon, Total	**24.6**		**1.00**	**mg/L**	1	02-Jun-2022 01:53

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

ALS Houston, US Date: 02-Jun-22

Client: Permian Basin Environmental Lab, LP
Project: 2E20003
Sample ID: 2E20003-06
Collection Date: 19-May-2022 14:59

ANALYTICAL REPORT
WorkOrder:HS22051088
Lab ID:HS22051088-06
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		**Method:RSK-175**				Analyst: PPM
Ethane	ND		1.00	ug/L	1	31-May-2022 11:33
Ethene	ND		1.00	ug/L	1	31-May-2022 11:33
Methane	**782**		**25.0**	**ug/L**	50	31-May-2022 14:13
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: SB
Organic Carbon, Total	**5.59**		**1.00**	**mg/L**	1	02-Jun-2022 02:06

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

ALS Houston, US Date: 02-Jun-22

Client: Permian Basin Environmental Lab, LP
Project: 2E20003
WorkOrder: HS22051088

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R409770 (0)	**Test Name :** DISSOLVED GASES BY RSK-175				**Matrix:** Water	
HS22051088-01	2E20003-01	19 May 2022 11:13			31 May 2022 10:26	1
HS22051088-02	2E20003-02	19 May 2022 11:58			31 May 2022 10:38	1
HS22051088-03	2E20003-03	19 May 2022 12:25			31 May 2022 10:47	1
HS22051088-04	2E20003-04	19 May 2022 13:40			31 May 2022 13:52	100
HS22051088-04	2E20003-04	19 May 2022 13:40			31 May 2022 10:56	1
HS22051088-05	2E20003-05	19 May 2022 14:20			31 May 2022 14:03	100
HS22051088-05	2E20003-05	19 May 2022 14:20			31 May 2022 11:07	1
HS22051088-06	2E20003-06	19 May 2022 14:59			31 May 2022 14:13	50
HS22051088-06	2E20003-06	19 May 2022 14:59			31 May 2022 11:33	1
Batch ID: R409866 (0)	**Test Name :** TOTAL ORGANIC CARBON BY E415.1				**Matrix:** Water	
HS22051088-01	2E20003-01	19 May 2022 11:13			02 Jun 2022 00:45	1
HS22051088-02	2E20003-02	19 May 2022 11:58			02 Jun 2022 01:11	1
HS22051088-03	2E20003-03	19 May 2022 12:25			02 Jun 2022 01:24	1
HS22051088-04	2E20003-04	19 May 2022 13:40			02 Jun 2022 01:39	1
HS22051088-05	2E20003-05	19 May 2022 14:20			02 Jun 2022 01:53	1
HS22051088-06	2E20003-06	19 May 2022 14:59			02 Jun 2022 02:06	1

ALS Houston, US Date: 02-Jun-22

Client: Permian Basin Environmental Lab, LP
Project: 2E20003
WorkOrder: HS22051088

QC BATCH REPORT

Batch ID: R409770 (0) **Instrument:** FID-4 **Method:** DISSOLVED GASES BY RSK-175

MBLK Sample ID: **MBLK-220531** Units: **ug/L** Analysis Date: **31-May-2022 09:53**
Client ID: Run ID: **FID-4_409770** SeqNo: **6673264** 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-220531** Units: **ug/L** Analysis Date: **31-May-2022 10:01**
Client ID: Run ID: **FID-4_409770** SeqNo: **6673265** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ethane	14.69	1.00	18.04	0	81.4	75 - 125				
Ethene	14.09	1.00	16.8	0	83.9	75 - 125				
Methane	9.052	0.500	9.647	0	93.8	75 - 125				

LCSD Sample ID: **LCSD-220531** Units: **ug/L** Analysis Date: **31-May-2022 10:11**
Client ID: Run ID: **FID-4_409770** SeqNo: **6673266** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ethane	15.53	1.00	18.04	0	86.1	75 - 125	14.69	5.53	30	
Ethene	13.77	1.00	16.8	0	82.0	75 - 125	14.09	2.33	30	
Methane	10.01	0.500	9.647	0	104	75 - 125	9.052	10.1	30	

The following samples were analyzed in this batch: HS22051088-01 HS22051088-02 HS22051088-03 HS22051088-04 HS22051088-05 HS22051088-06

ALS Houston, US Date: 02-Jun-22

Client: Permian Basin Environmental Lab, LP
Project: 2E20003
WorkOrder: HS22051088

QC BATCH REPORT

Batch ID: R409866 (0) **Instrument: TOC_04** **Method: TOTAL ORGANIC CARBON BY E415.1**

MBLK Sample ID: **MBLK-06012022** Units: **mg/L** Analysis Date: **02-Jun-2022 00:05**
Client ID: Run ID: **TOC_04_409866** SeqNo: **6675474** 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-06012022** Units: **mg/L** Analysis Date: **02-Jun-2022 00:19**
Client ID: Run ID: **TOC_04_409866** SeqNo: **6675475** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	9.2	1.00	10	0	92.0	85 - 115				

LCSD Sample ID: **LCSD-06012022** Units: **mg/L** Analysis Date: **02-Jun-2022 00:33**
Client ID: Run ID: **TOC_04_409866** SeqNo: **6675476** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	9.434	1.00	10	0	94.3	85 - 115	9.2	2.51	20	

MS Sample ID: **HS22051088-01MS** Units: **mg/L** Analysis Date: **02-Jun-2022 00:59**
Client ID: **2E20003-01** Run ID: **TOC_04_409866** SeqNo: **6675478** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	9.985	1.00	10	0.9514	90.3	80 - 120				

The following samples were analyzed in this batch: HS22051088-01 HS22051088-02 HS22051088-03 HS22051088-04 HS22051088-05 HS22051088-06

ALS Houston, US Date: 02-Jun-22

Client: Permian Basin Environmental Lab, LP
Project: 2E20003
WorkOrder: HS22051088

QUALIFIERS, ACRONYMS, UNITS

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

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

ALS Houston, US Date: 02-Jun-22

CERTIFICATIONS,ACCREDITATIONS & LICENSES

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

ALS Houston, US Date: 02-Jun-22

Sample Receipt Checklist

Work Order ID: HS22051088 **Date/Time Received:** 24-May-2022 09:15

Client Name: Permian Basin Lab **Received by:** Paresh M. Giga

Completed By:	/S/ Nilesh D. Ranchod	24-May-2022 16:15	**Reviewed by:**	/S/ Bernadette A. Fini	25-May-2022 08:09
	eSignature	Date/Time		eSignature	Date/Time

Matrices: IR 31 Carrier name: FedEx Priority Overnight

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

Temperature(s)/Thermometer(s):	1.9°C/2.4°C UC/C	IR 31
Cooler(s)/Kit(s):	RED	
Date/Time sample(s) sent to storage:	05/24/2022 16:20	

Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☑	N/A ☐
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235
PBELAB_SUB_COC_V2

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

HS22051088
Permian Basin Environmental Lab, LP
2E20003

e-mail: brentbarron@pbelab.com

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

(lab use only)
ORDER #:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: ICE	HNO_3 250 poly 1	HCl 3 40mL VOA	H_2SO_4	NaOH /ZNAC 250 Poly 1	$Na_2S_2O_3$	None Poly 500mL 250mL Glass Amber 1000 500 mL	NONE 3 AMBER VOAA VIALS	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: 8270C PAH	METALS RCRA 8 TCLP ICPMS/7471	8260B TCLP BENEZENE	RSK-175 Methane,Ethane,Ethene	8270 TOTAL SEMIVOLATILE	TOC-SM 5310B	Mn, Fe,Al Total ICP 200.7	Pb Total ICP-MS6020A	NORM 901.1M	METHANOL 8015M	GLYCOLS-DI 8015B	AMMONIA AS N	BOD-SM5210B-2011	48 HOUR	STANDARD
	2E20003-01			5/19/2022	11:13		4	X		X	X					W				X		X								X
	2E20003-02			5/19/2022	11:58		4	X		X	X					W				X		X								X
	2E20003-03			5/19/2022	12:25		4	X		X	X					W				X		X								X
	2E20003-04			5/19/2022	13:40		4	X		X	X					W				X		X								X
	2E20003-05			5/19/2022	14:20		4	X		X	X					W				X		X								X
	2E20003-06			5/19/2022	14:59		4	X		X	X					W				X		X								X

Special Instructions:
RUSH 1.5.0

Relinquished by:	Date	Time	Received by:	Date	Time
Brent Barron #31 client	5/23/22	17:00		5/24/2022	09:15
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star
Temperature Upon Receipt:
Received: °C
Adjusted: °C Factor

Red

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

PBELAB

Analytical Report

Prepared for:

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

Project: HDO 90-23
Project Number: TNM HDO 90-23
Location: Lea County, New Mexico

Lab Order Number: 2E20004

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 05/24/22

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

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
RW-1	2E20004-01	Water	05/19/22 15:23	05-20-2022 08:11

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

RW-1

2E20004-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
Organics by GC									
Benzene	**0.00944**	0.00100	mg/L	1	P2E1911	05/20/22 11:00	05/20/22 13:44	EPA 8021B	
Toluene	**0.00175**	0.00100	mg/L	1	P2E1911	05/20/22 11:00	05/20/22 13:44	EPA 8021B	
Ethylbenzene	**0.00363**	0.00100	mg/L	1	P2E1911	05/20/22 11:00	05/20/22 13:44	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2E1911	05/20/22 11:00	05/20/22 13:44	EPA 8021B	
Xylene (o)	**0.00735**	0.00100	mg/L	1	P2E1911	05/20/22 11:00	05/20/22 13:44	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*100 %*	*80-120*		*P2E1911*	*05/20/22 11:00*	*05/20/22 13:44*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*94.6 %*	*80-120*		*P2E1911*	*05/20/22 11:00*	*05/20/22 13:44*	*EPA 8021B*	

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

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2E1911 - General Preparation (GC)										
Blank (P2E1911-BLK1)				Prepared & Analyzed: 05/19/22						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	*0.119*		*"*	*0.120*		*99.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.9*	*80-120*			
LCS (P2E1911-BS1)				Prepared & Analyzed: 05/19/22						
Benzene	0.104	0.00100	mg/L	0.100		104	80-120			
Toluene	0.110	0.00100	"	0.100		110	80-120			
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120			
Xylene (p/m)	0.224	0.00200	"	0.200		112	80-120			
Xylene (o)	0.110	0.00100	"	0.100		110	80-120			
Surrogate: 4-Bromofluorobenzene	*0.127*		*"*	*0.120*		*105*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.123*		*"*	*0.120*		*103*	*80-120*			
LCS Dup (P2E1911-BSD1)				Prepared & Analyzed: 05/19/22						
Benzene	0.0985	0.00100	mg/L	0.100		98.5	80-120	5.91	20	
Toluene	0.103	0.00100	"	0.100		103	80-120	6.99	20	
Ethylbenzene	0.113	0.00100	"	0.100		113	80-120	5.21	20	
Xylene (p/m)	0.214	0.00200	"	0.200		107	80-120	4.85	20	
Xylene (o)	0.104	0.00100	"	0.100		104	80-120	5.09	20	
Surrogate: 4-Bromofluorobenzene	*0.127*		*"*	*0.120*		*106*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.122*		*"*	*0.120*		*102*	*80-120*			
Calibration Blank (P2E1911-CCB1)				Prepared & Analyzed: 05/19/22						
Benzene	0.440		ug/l							
Toluene	0.190		"							
Ethylbenzene	0.350		"							
Xylene (p/m)	0.860		"							
Xylene (o)	0.460		"							
Surrogate: 4-Bromofluorobenzene	*0.120*		*"*	*0.120*		*99.9*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.119*		*"*	*0.120*		*99.2*	*80-120*			

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

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2E1911 - General Preparation (GC)										
Calibration Blank (P2E1911-CCB2)				Prepared: 05/19/22 Analyzed: 05/20/22						
Benzene	0.490		ug/l							
Toluene	0.500		"							
Ethylbenzene	0.410		"							
Xylene (p/m)	1.52		"							
Xylene (o)	0.790		"							
Surrogate: 4-Bromofluorobenzene	*0.117*		*"*	*0.120*		*97.3*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.2*	*80-120*			
Calibration Blank (P2E1911-CCB3)				Prepared: 05/19/22 Analyzed: 05/20/22						
Benzene	0.260		ug/l							
Toluene	0.180		"							
Ethylbenzene	0.490		"							
Xylene (p/m)	1.53		"							
Xylene (o)	0.590		"							
Surrogate: 4-Bromofluorobenzene	*0.118*		*"*	*0.120*		*98.1*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*96.0*	*80-120*			
Calibration Check (P2E1911-CCV1)				Prepared & Analyzed: 05/19/22						
Benzene	0.104	0.00100	mg/L	0.102		102	80-120			
Toluene	0.107	0.00100	"	0.102		105	80-120			
Ethylbenzene	0.110	0.00100	"	0.102		108	80-120			
Xylene (p/m)	0.223	0.00200	"	0.204		109	80-120			
Xylene (o)	0.112	0.00100	"	0.102		109	80-120			
Surrogate: 4-Bromofluorobenzene	*0.127*		*"*	*0.120*		*106*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.123*		*"*	*0.120*		*102*	*80-120*			
Calibration Check (P2E1911-CCV2)				Prepared: 05/19/22 Analyzed: 05/20/22						
Benzene	0.101	0.00100	mg/L	0.102		99.0	80-120			
Toluene	0.105	0.00100	"	0.102		103	80-120			
Ethylbenzene	0.108	0.00100	"	0.102		106	80-120			
Xylene (p/m)	0.217	0.00200	"	0.204		106	80-120			
Xylene (o)	0.108	0.00100	"	0.102		106	80-120			
Surrogate: 4-Bromofluorobenzene	*0.120*		*"*	*0.120*		*100*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.118*		*"*	*0.120*		*98.6*	*80-120*			

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

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2E1911 - General Preparation (GC)										
Calibration Check (P2E1911-CCV3)				Prepared: 05/19/22 Analyzed: 05/20/22						
Benzene	0.101	0.00100	mg/L	0.102		98.7	80-120			
Toluene	0.101	0.00100	"	0.102		99.3	80-120			
Ethylbenzene	0.105	0.00100	"	0.102		103	80-120			
Xylene (p/m)	0.212	0.00200	"	0.204		104	80-120			
Xylene (o)	0.107	0.00100	"	0.102		105	80-120			
Surrogate: 4-Bromofluorobenzene	*0.122*		*"*	*0.120*		*102*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.3*	*80-120*			
Matrix Spike (P2E1911-MS1)		**Source: 2E17008-01**		Prepared: 05/19/22 Analyzed: 05/20/22						
Benzene	0.112	0.00100	mg/L	0.100	ND	112	80-120			
Toluene	0.113	0.00100	"	0.100	ND	113	80-120			
Ethylbenzene	0.129	0.00100	"	0.100	ND	129	80-120			QM-05
Xylene (p/m)	0.235	0.00200	"	0.200	ND	118	80-120			
Xylene (o)	0.112	0.00100	"	0.100	ND	112	80-120			
Surrogate: 4-Bromofluorobenzene	*0.119*		*"*	*0.120*		*98.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.114*		*"*	*0.120*		*94.6*	*80-120*			
Matrix Spike Dup (P2E1911-MSD1)		**Source: 2E17008-01**		Prepared: 05/19/22 Analyzed: 05/20/22						
Benzene	0.107	0.00100	mg/L	0.100	ND	107	80-120	4.95	20	
Toluene	0.108	0.00100	"	0.100	ND	108	80-120	4.78	20	
Ethylbenzene	0.120	0.00100	"	0.100	ND	120	80-120	6.75	20	
Xylene (p/m)	0.222	0.00200	"	0.200	ND	111	80-120	5.78	20	
Xylene (o)	0.107	0.00100	"	0.100	ND	107	80-120	4.51	20	
Surrogate: 4-Bromofluorobenzene	*0.123*		*"*	*0.120*		*102*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.114*		*"*	*0.120*		*95.3*	*80-120*			

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

Notes and Definitions

ROI	Received on Ice
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
pH1	The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.
NPBEL C(	Chain of Custody was not generated at PBELAB
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 5/24/2022

Brent Barron, Laboratory Director/Technical Director

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

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
1400 Rankin Hwy
Midland, Texas 79701
Phone: 432-661-4184

Project Manager: Curt Stanley
Company Name: TRC Environmental Corporation
Company Address: 10 Desta Drive, Suite 130E
City/State/Zip: Midland, TX 79705
Telephone No: 432-559-3296 Fax No:
Sampler Signature:
e-mail: cdstanley@trccompanies.com, cjbryant@paalp.com, khudgens@paalp.com

Project Name: HDO 90-23
Project #: TNM HDO 90-23
Project Loc: Lea County, NM
PO #:
Report Format: ☐ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: 2E20004

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge / GW = Groundwater S=Soil/Solid / NP=Non-Potable Specify Other	Analyze For: TCLP:	TOTAL: TPH by Method TX 1005 (Extend to C3	BTEX by Method 8021B	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	RW-1			5-19-22	1523		3	X		X						GW			X		X

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
Manny	5-20-22	811			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	Date 5-20-22	Time 811

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

5.0 71.0 60 CF 1

PBELAB

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

Sample Receipt Checklist

Yes		Notes
✓	Chain of custody present?	
	Chain of custody signed/dated/time when relinquished and received?	
✓	Correct date/time present on COC for all samples?	
	Samplers name present on COC?	
✓	Chain of custody agrees with sample labels?	
	Sample containers intact?	
X	Custody seals intact on sample bottles?	
✓	Samples in proper container/bottle?	
✓	Sufficient sample volume for indicated test?	
	All samples received within holding time?	
✓	Correct preservation for each analysis requested?	6.0
	Analysis requested for all samples submitted?	
✓	Sample containers in proper condition?	
	Custody seals intact on shipping container/cooler?	

Login Notes:
HCL VOA 2E20004

PBELAB

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

SAMPLE VARIANCE/NON-CONFORMANCE

Variance/Discrepancy:
temp 6.0

Resolution:

Client Contacted
Name:
Date/Time:

NC Initiated by:_____ Approved by:_____

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

PBELAB

Analytical Report

Prepared for:

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Location: Lea County, NM

Lab Order Number: 2I08002

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 09/27/22

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: Curt Stanley

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
RW-2	2I08002-01	Water	09/07/22 09:10	09-08-2022 09:10
MW-3	2I08002-02	Water	09/07/22 09:10	09-08-2022 09:10
MW-2	2I08002-03	Water	09/07/22 00:00	09-08-2022 09:10
MW-6	2I08002-04	Water	09/07/22 00:00	09-08-2022 09:10

TOC and RSKSOP-175 analysis were subcontracted to ALS Houston. Their report is attached after the Chain of Custody.
Their TCEQ TNI certification number can be found here:
https://www.tceq.texas.gov/assets/public/compliance/compliance_support/qa/labs/als_svcs_houston.pdf

TRC Solutions- Midland, Texas	Project: HDO 90-23_MNA
10 Desta Dr STE 150E	Project Number: TMN HDO 90-23
Midland TX, 79705	Project Manager: Curt Stanley

RW-2

2I08002-01 (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	P2I0909	09/09/22 14:42	09/10/22 00:12	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2I0909	09/09/22 14:42	09/10/22 00:12	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2I0909	09/09/22 14:42	09/10/22 00:12	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2I0909	09/09/22 14:42	09/10/22 00:12	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2I0909	09/09/22 14:42	09/10/22 00:12	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*86.1 %*	*80-120*		*P2I0909*	*09/09/22 14:42*	*09/10/22 00:12*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.2 %*	*80-120*		*P2I0909*	*09/09/22 14:42*	*09/10/22 00:12*	*EPA 8021B*	
Ethane	ND	0.00100	mg/L	1	P2I2106	09/16/22 10:59	09/16/22 10:59	8015M	
Ethene	ND	0.00100	mg/L	1	P2I2106	09/16/22 10:59	09/16/22 10:59	8015M	
Methane	**0.00216**	0.000500	mg/L	1	P2I2106	09/16/22 10:59	09/16/22 10:59	8015M	
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	ND	10.0	mg/L	1	P2I1205	09/12/22 09:29	09/12/22 15:04	8000	QAL1
Nitrate as N	ND	0.200	mg/L	1	P2I0809	09/08/22 11:51	09/09/22 18:24	EPA 300.0	
Sulfate	**178**	5.00	mg/L	5	P2I0809	09/08/22 11:51	09/12/22 08:48	EPA 300.0	
Total Organic Carbon	ND	10.0	mg/L	1	P2I2106	09/16/22 21:10	09/16/22 21:25	EPA 415.1	
Dissolved Metals by EPA / Standard Methods									
Iron	**0.952**	0.200	mg/L	1	P2I1305	09/13/22 08:58	09/13/22 11:03	EPA 6010B	QAL1
Manganese	**0.136**	0.100	mg/L	1	P2I1305	09/13/22 08:58	09/13/22 11:03	EPA 6010B	QAL1

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: Curt Stanley

MW-3

2I08002-02 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	**0.357**	0.00100	mg/L	1	P2I0909	09/09/22 14:42	09/10/22 00:33	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2I0909	09/09/22 14:42	09/10/22 00:33	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2I0909	09/09/22 14:42	09/10/22 00:33	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2I0909	09/09/22 14:42	09/10/22 00:33	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2I0909	09/09/22 14:42	09/10/22 00:33	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*88.0 %*	*80-120*		*P2I0909*	*09/09/22 14:42*	*09/10/22 00:33*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*109 %*	*80-120*		*P2I0909*	*09/09/22 14:42*	*09/10/22 00:33*	*EPA 8021B*	
Ethane	ND	0.00100	mg/L	1	P2I2106	09/16/22 11:20	09/16/22 11:20	8015M	
Ethene	ND	0.00100	mg/L	1	P2I2106	09/16/22 11:20	09/16/22 11:20	8015M	
Methane	**1.36**	0.0500	mg/L	1	P2I2106	09/16/22 11:20	09/16/22 14:17	8015M	
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	**31.0**	10.0	mg/L	1	P2I1205	09/12/22 09:29	09/12/22 15:04	8000	QAL1
Nitrate as N	ND	0.200	mg/L	1	P2I0809	09/08/22 11:51	09/09/22 19:18	EPA 300.0	
Sulfate	**68.5**	1.00	mg/L	1	P2I0809	09/08/22 11:51	09/09/22 19:18	EPA 300.0	
Total Organic Carbon	**21.0**	10.0	mg/L	1	P2I2106	09/16/22 21:39	09/16/22 21:39	EPA 415.1	
Dissolved Metals by EPA / Standard Methods									
Iron	**0.440**	0.200	mg/L	1	P2I1305	09/13/22 08:58	09/13/22 11:06	EPA 6010B	QAL1
Manganese	**0.125**	0.100	mg/L	1	P2I1305	09/13/22 08:58	09/13/22 11:06	EPA 6010B	QAL1

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: Curt Stanley

MW-2

2I08002-03 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	**0.0398**	0.00100	mg/L	1	P2I0909	09/09/22 14:42	09/10/22 01:14	EPA 8021B	
Toluene	**0.00295**	0.00100	mg/L	1	P2I0909	09/09/22 14:42	09/10/22 01:14	EPA 8021B	
Ethylbenzene	**0.00638**	0.00100	mg/L	1	P2I0909	09/09/22 14:42	09/10/22 01:14	EPA 8021B	
Xylene (p/m)	**0.0151**	0.00200	mg/L	1	P2I0909	09/09/22 14:42	09/10/22 01:14	EPA 8021B	
Xylene (o)	**0.00639**	0.00100	mg/L	1	P2I0909	09/09/22 14:42	09/10/22 01:14	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*74.2 %*	*80-120*		*P2I0909*	*09/09/22 14:42*	*09/10/22 01:14*	*EPA 8021B*	*S-GC*
Surrogate: 1,4-Difluorobenzene		*83.1 %*	*80-120*		*P2I0909*	*09/09/22 14:42*	*09/10/22 01:14*	*EPA 8021B*	
Ethane	**0.00182**	0.00100	mg/L	1	P2I2106	09/16/22 11:32	09/16/22 11:32	8015M	
Ethene	**0.00594**	0.00100	mg/L	1	P2I2106	09/16/22 11:32	09/16/22 11:32	8015M	
Methane	**0.991**	0.0500	mg/L	1	P2I2106	09/16/22 11:32	09/16/22 14:25	8015M	
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	**24.0**	10.0	mg/L	1	P2I1205	09/12/22 09:29	09/12/22 15:04	8000	QAL1
Nitrate as N	ND	0.200	mg/L	1	P2I0809	09/08/22 11:51	09/09/22 19:36	EPA 300.0	
Sulfate	**22.6**	1.00	mg/L	1	P2I0809	09/08/22 11:51	09/09/22 19:36	EPA 300.0	
Total Organic Carbon	**18.0**	10.0	mg/L	1	P2I2106	09/16/22 21:17	09/16/22 22:17	EPA 415.1	
Dissolved Metals by EPA / Standard Methods									
Iron	ND	0.200	mg/L	1	P2I1305	09/13/22 08:58	09/13/22 11:15	EPA 6010B	QAL1
Manganese	**0.0486**	0.100	mg/L	1	P2I1305	09/13/22 08:58	09/13/22 11:15	EPA 6010B	J, QAL1

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: Curt Stanley

MW-6

2I08002-04 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	**0.221**	0.00100	mg/L	1	P2I0909	09/09/22 14:42	09/10/22 01:35	EPA 8021B	
Toluene	**0.00331**	0.00100	mg/L	1	P2I0909	09/09/22 14:42	09/10/22 01:35	EPA 8021B	
Ethylbenzene	**0.308**	0.00100	mg/L	1	P2I0909	09/09/22 14:42	09/10/22 01:35	EPA 8021B	
Xylene (p/m)	**0.235**	0.00200	mg/L	1	P2I0909	09/09/22 14:42	09/10/22 01:35	EPA 8021B	
Xylene (o)	**0.0212**	0.00100	mg/L	1	P2I0909	09/09/22 14:42	09/10/22 01:35	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*76.0 %*	*80-120*		*P2I0909*	*09/09/22 14:42*	*09/10/22 01:35*	*EPA 8021B*	*S-GC*
Surrogate: 1,4-Difluorobenzene		*87.7 %*	*80-120*		*P2I0909*	*09/09/22 14:42*	*09/10/22 01:35*	*EPA 8021B*	
Ethane	**0.00108**	0.00100	mg/L	1	P2I2106	09/16/22 11:41	09/16/22 11:41	8015M	
Ethene	ND	0.00100	mg/L	1	P2I2106	09/16/22 11:41	09/16/22 11:41	8015M	
Methane	**0.256**	0.0100	mg/L	1	P2I2106	09/16/22 11:41	09/16/22 14:35	8015M	
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	ND	10.0	mg/L	1	P2I1205	09/12/22 09:29	09/12/22 15:04	8000	QAL1
Nitrate as N	**0.659**	0.200	mg/L	1	P2I0809	09/08/22 11:51	09/09/22 19:54	EPA 300.0	
Sulfate	**65.6**	1.00	mg/L	1	P2I0809	09/08/22 11:51	09/09/22 19:54	EPA 300.0	
Total Organic Carbon	ND	10.0	mg/L	1	P2I2106	09/16/22 22:31	09/16/22 22:31	EPA 415.1	
Dissolved Metals by EPA / Standard Methods									
Iron	ND	0.200	mg/L	1	P2I1305	09/13/22 08:58	09/13/22 11:19	EPA 6010B	QAL1
Manganese	ND	0.100	mg/L	1	P2I1305	09/13/22 08:58	09/13/22 11:19	EPA 6010B	QAL1

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: Curt Stanley

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I0909 - * DEFAULT PREP *** **										
Blank (P2I0909-BLK1)				Prepared & Analyzed: 09/09/22						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	*0.113*		*"*	*0.120*		*94.5*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.111*		*"*	*0.120*		*92.2*	*80-120*			
LCS (P2I0909-BS1)				Prepared & Analyzed: 09/09/22						
Benzene	0.0948	0.00100	mg/L	0.100		94.8	80-120			
Toluene	0.0996	0.00100	"	0.100		99.6	80-120			
Ethylbenzene	0.107	0.00100	"	0.100		107	80-120			
Xylene (p/m)	0.189	0.00200	"	0.200		94.6	80-120			
Xylene (o)	0.104	0.00100	"	0.100		104	80-120			
Surrogate: 4-Bromofluorobenzene	*0.122*		*"*	*0.120*		*101*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.120*		*"*	*0.120*		*100*	*80-120*			
Calibration Blank (P2I0909-CCB1)				Prepared & Analyzed: 09/09/22						
Benzene	0.250		ug/l							
Toluene	0.300		"							
Ethylbenzene	0.150		"							
Xylene (p/m)	0.220		"							
Xylene (o)	0.100		"							
Surrogate: 4-Bromofluorobenzene	*0.104*		*"*	*0.120*		*86.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.8*	*80-120*			
Calibration Blank (P2I0909-CCB2)				Prepared & Analyzed: 09/09/22						
Benzene	0.00		ug/l							
Toluene	0.710		"							
Ethylbenzene	0.140		"							
Xylene (p/m)	0.220		"							
Xylene (o)	0.150		"							
Surrogate: 4-Bromofluorobenzene	*0.111*		*"*	*0.120*		*92.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.1*	*80-120*			

TRC Solutions- Midland, Texas	Project: HDO 90-23_MNA
10 Desta Dr STE 150E	Project Number: TMN HDO 90-23
Midland TX, 79705	Project Manager: Curt Stanley

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I0909 - * DEFAULT PREP *** **										
Calibration Check (P2I0909-CCV1)				Prepared & Analyzed: 09/09/22						
Benzene	0.106	0.00100	mg/L	0.102		104	80-120			
Toluene	0.114	0.00100	"	0.102		112	80-120			
Ethylbenzene	0.110	0.00100	"	0.102		108	80-120			
Xylene (p/m)	0.195	0.00200	"	0.204		95.6	80-120			
Xylene (o)	0.118	0.00100	"	0.102		116	80-120			
Surrogate: 4-Bromofluorobenzene	*0.114*		"	*0.120*		*94.9*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.120*		"	*0.120*		*100*	*80-120*			
Calibration Check (P2I0909-CCV2)				Prepared & Analyzed: 09/09/22						
Benzene	0.116	0.00100	mg/L	0.102		114	80-120			
Toluene	0.112	0.00100	"	0.102		110	80-120			
Ethylbenzene	0.115	0.00100	"	0.102		112	80-120			
Xylene (p/m)	0.201	0.00200	"	0.204		98.7	80-120			
Xylene (o)	0.117	0.00100	"	0.102		114	80-120			
Surrogate: 4-Bromofluorobenzene	*0.106*		"	*0.120*		*88.3*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.124*		"	*0.120*		*104*	*80-120*			
Calibration Check (P2I0909-CCV3)				Prepared: 09/09/22 Analyzed: 09/10/22						
Benzene	0.112	0.00100	mg/L	0.102		110	80-120			
Toluene	0.115	0.00100	"	0.102		113	80-120			
Ethylbenzene	0.118	0.00100	"	0.102		115	80-120			
Xylene (p/m)	0.216	0.00200	"	0.204		106	80-120			
Xylene (o)	0.117	0.00100	"	0.102		115	80-120			
Surrogate: 4-Bromofluorobenzene	*0.112*		"	*0.120*		*93.1*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.120*		"	*0.120*		*100*	*80-120*			
Matrix Spike (P2I0909-MS1)	**Source: 2I07004-02**			Prepared: 09/09/22 Analyzed: 09/10/22						
Benzene	0.0124	0.00100	mg/L	0.100	ND	12.4	80-120			
Toluene	0.0121	0.00100	"	0.100	ND	12.1	80-120			
Ethylbenzene	0.0134	0.00100	"	0.100	ND	13.4	80-120			
Xylene (p/m)	0.0244	0.00200	"	0.200	ND	12.2	80-120			
Xylene (o)	0.0153	0.00100	"	0.100	ND	15.3	80-120			
Surrogate: 4-Bromofluorobenzene	*0.109*		"	*0.120*		*90.7*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.119*		"	*0.120*		*99.2*	*80-120*			

TRC Solutions- Midland, Texas	Project: HDO 90-23_MNA
10 Desta Dr STE 150E	Project Number: TMN HDO 90-23
Midland TX, 79705	Project Manager: Curt Stanley

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I0909 - * DEFAULT PREP *** **										
Matrix Spike Dup (P2I0909-MSD1)	**Source: 2I07004-02**			Prepared: 09/09/22 Analyzed: 09/10/22						
Benzene	0.100	0.00100	mg/L	0.100	ND	100	80-120	156	20	
Toluene	0.0966	0.00100	"	0.100	ND	96.6	80-120	155	20	
Ethylbenzene	0.107	0.00100	"	0.100	ND	107	80-120	155	20	
Xylene (p/m)	0.188	0.00200	"	0.200	ND	93.9	80-120	154	20	
Xylene (o)	0.101	0.00100	"	0.100	ND	101	80-120	147	20	
Surrogate: 4-Bromofluorobenzene	*0.119*		*"*	*0.120*		*99.5*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.123*		*"*	*0.120*		*103*	*80-120*			

TRC Solutions- Midland, Texas	Project: HDO 90-23_MNA
10 Desta Dr STE 150E	Project Number: TMN HDO 90-23
Midland TX, 79705	Project Manager: Curt Stanley

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I0809 - * DEFAULT PREP *** **										
Blank (P2I0809-BLK1)				Prepared: 09/08/22 Analyzed: 09/09/22						
Sulfate	ND	1.00	mg/L							
Nitrate as N	ND	0.200	"							
LCS (P2I0809-BS1)				Prepared: 09/08/22 Analyzed: 09/09/22						
Sulfate	19.5	1.00	mg/L	20.0		97.4	90-110			
Nitrate as N	1.99	0.200	"	2.00		99.7	90-110			
LCS Dup (P2I0809-BSD1)				Prepared: 09/08/22 Analyzed: 09/09/22						
Sulfate	19.3	1.00	mg/L	20.0		96.7	90-110	0.659	10	
Nitrate as N	2.00	0.200	"	2.00		99.8	90-110	0.0501	10	
Calibration Blank (P2I0809-CCB1)				Prepared: 09/08/22 Analyzed: 09/09/22						
Nitrate as N	0.00		mg/L							
Sulfate	0.00		"							
Calibration Check (P2I0809-CCV1)				Prepared: 09/08/22 Analyzed: 09/09/22						
Nitrate as N	1.91		mg/L	2.00		95.6	90-110			
Sulfate	19.8		"	20.0		98.9	90-110			
Calibration Check (P2I0809-CCV2)				Prepared: 09/08/22 Analyzed: 09/09/22						
Nitrate as N	1.92		mg/L	2.00		96.0	90-110			
Sulfate	19.9		"	20.0		99.6	90-110			
Matrix Spike (P2I0809-MS1)		**Source: 2I08002-01**		Prepared: 09/08/22 Analyzed: 09/09/22						
Sulfate	172	1.00	mg/L	5.00	178	NR	80-120			QM-05
Nitrate as N	0.383	0.200	"	1.00	0.187	19.6	80-120			QM-05
Matrix Spike Dup (P2I0809-MSD1)		**Source: 2I08002-01**		Prepared: 09/08/22 Analyzed: 09/09/22						
Sulfate	173	1.00	mg/L	5.00	178	NR	80-120	0.148	20	QM-05
Nitrate as N	0.385	0.200	"	1.00	0.187	19.8	80-120	0.521	20	QM-05

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: Curt Stanley

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I1205 - * DEFAULT PREP *** **										
Blank (P2I1205-BLK1)				Prepared & Analyzed: 09/12/22						
Chemical Oxygen Demand	ND	10.0	mg/L							QAL1
Blank (P2I1205-BLK2)				Prepared & Analyzed: 09/12/22						
Chemical Oxygen Demand	ND	10.0	mg/L							QAL1
LCS (P2I1205-BS1)				Prepared & Analyzed: 09/12/22						
Chemical Oxygen Demand	93.0	10.0	mg/L	100		93.0	80-120			QAL1
LCS (P2I1205-BS2)				Prepared & Analyzed: 09/12/22						
Chemical Oxygen Demand	1060	10.0	mg/L	1000		106	80-120			QAL1
LCS Dup (P2I1205-BSD1)				Prepared & Analyzed: 09/12/22						
Chemical Oxygen Demand	102	10.0	mg/L	100		102	80-120	9.23	20	QAL1
LCS Dup (P2I1205-BSD2)				Prepared & Analyzed: 09/12/22						
Chemical Oxygen Demand	1100	10.0	mg/L	1000		110	80-120	3.41	20	QAL1
Duplicate (P2I1205-DUP1)		**Source: 2H25006-01**		Prepared & Analyzed: 09/12/22						
Chemical Oxygen Demand	254	10.0	mg/L		59.0			125	20	QAL1, QM-05
Duplicate (P2I1205-DUP2)		**Source: 2I07008-01**		Prepared & Analyzed: 09/12/22						
Chemical Oxygen Demand	102	10.0	mg/L		251			84.4	20	QAL1, R3
Matrix Spike (P2I1205-MS1)		**Source: 2H25006-01**		Prepared & Analyzed: 09/12/22						
Chemical Oxygen Demand	89.0	10.0	mg/L	100	59.0	30.0	80-120			QAL1, R3
Matrix Spike (P2I1205-MS2)		**Source: 2I07008-01**		Prepared & Analyzed: 09/12/22						
Chemical Oxygen Demand	1170	10.0	mg/L	1000	251	92.2	80-120			QAL1

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: Curt Stanley

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I1205 - * DEFAULT PREP *** **										
Matrix Spike Dup (P2I1205-MSD1)	**Source: 2H25006-01**			Prepared & Analyzed: 09/12/22						
Chemical Oxygen Demand	1150	10.0	mg/L	100	59.0	NR	80-120	171	20	QAL1, R3
Matrix Spike Dup (P2I1205-MSD2)	**Source: 2I07008-01**			Prepared & Analyzed: 09/12/22						
Chemical Oxygen Demand	146	10.0	mg/L	1000	251	NR	80-120	156	20	QAL1, R3

TRC Solutions- Midland, Texas	Project: HDO 90-23_MNA
10 Desta Dr STE 150E	Project Number: TMN HDO 90-23
Midland TX, 79705	Project Manager: Curt Stanley

Dissolved Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I1305 - * DEFAULT PREP *** **										
Blank (P2I1305-BLK1)				Prepared & Analyzed: 09/13/22						
Manganese	ND	0.100	mg/L							QAL1
Iron	ND	0.200	"							QAL1
LCS (P2I1305-BS1)				Prepared & Analyzed: 09/13/22						
Iron	0.431	0.200	mg/L	0.400		108	80-120			QAL1
Manganese	0.183	0.100	"	0.200		91.5	80-120			QAL1
LCS Dup (P2I1305-BSD1)				Prepared & Analyzed: 09/13/22						
Iron	0.423	0.200	mg/L	0.400		106	80-120	1.78	20	QAL1
Manganese	0.183	0.100	"	0.200		91.5	80-120	0.00595	20	QAL1
Calibration Blank (P2I1305-CCB1)				Prepared & Analyzed: 09/13/22						
Manganese	-0.0353		mg/L							QAL1
Iron	0.00269		"							QAL1
Calibration Blank (P2I1305-CCB2)				Prepared & Analyzed: 09/13/22						
Manganese	-0.0360		mg/L							QAL1
Iron	0.00305		"							QAL1
Calibration Blank (P2I1305-CCB3)				Prepared & Analyzed: 09/13/22						
Iron	0.000654		mg/L							QAL1
Manganese	-0.0359		"							QAL1
Calibration Check (P2I1305-CCV1)				Prepared & Analyzed: 09/13/22						
Manganese	0.214	0.100	mg/L	0.200		107	80-120			QAL1
Iron	0.434	0.200	"	0.400		109	80-120			QAL1
Calibration Check (P2I1305-CCV2)				Prepared & Analyzed: 09/13/22						
Manganese	0.193	0.100	mg/L	0.200		96.5	80-120			QAL1
Iron	0.410	0.200	"	0.400		103	80-120			QAL1

TRC Solutions- Midland, Texas	Project: HDO 90-23_MNA
10 Desta Dr STE 150E	Project Number: TMN HDO 90-23
Midland TX, 79705	Project Manager: Curt Stanley

Dissolved Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I1305 - * DEFAULT PREP *** **										
Calibration Check (P2I1305-CCV3)				Prepared & Analyzed: 09/13/22						
Manganese	0.192	0.100	mg/L	0.200		96.2	80-120			QAL1
Iron	0.421	0.200	"	0.400		105	80-120			QAL1
Matrix Spike (P2I1305-MS1)		**Source: 2I02001-01**		Prepared & Analyzed: 09/13/22						
Iron	0.444	0.200	mg/L	0.400	0.0222	105	75-125			QAL1
Manganese	0.428	0.100	"	0.200	0.209	110	75-125			QAL1
Matrix Spike Dup (P2I1305-MSD1)		**Source: 2I02001-01**		Prepared & Analyzed: 09/13/22						
Manganese	0.428	0.100	mg/L	0.200	0.209	110	75-125	0.00390	20	QAL1
Iron	0.448	0.200	"	0.400	0.0222	106	75-125	1.00	20	QAL1

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: Curt Stanley

Notes and Definitions

S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
ROI	Received on Ice
R3	The RPD exceeded the acceptance limit due to sample matrix effects.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
QAL1	The Laboratory is not TNI Certified for this analyte or analysis.
pH1	The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.
NPBEL C(	Chain of Custody was not generated at PBELAB
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 9/27/2022

Brent Barron, Laboratory Director/Technical Director

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: Curt Stanley

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST L: CH: W:

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

Project Manager: Curt Stanley
Company Name: TRC
Company Address: 10 Desta Dr ste 130E
City/State/Zip: Midland Tx 79705
Telephone No: 432-520-7720
Sampler Signature:

Project Name: HDO 90-23
Project #: TNM HDO 90-23
Project Loc: lea County, New Mexico
PO #:
Fax No:
e-mail:
Report Format: ☐ Standard ☐ TRRP ☐ NPDES

(lab use only) **ORDER #:** 2I08002

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TPH: TX 1005 TX 1006	Anions (Cl, SO4, Alkalinity)	BTEX 8021B/5030 or BTEX 8260	Total Dissolved Metals	TOC SM 5310	Dissolved Methane Ethane & Ethene by RSK175	Nitrate & Sulfate by 300.0	COD by 5310	RUSH TAT (Pre-Schedule) 24, 48, 72 h	Standard TAT
-01	RW 2			9-7-22	1145	1	9	X	1	7	1					GW			X	X	X	X	X	X		
-02	MW 3			"	1310	1	9	X	1	7	1					"			"	"	"	"	"	"		
-03	MW 2			"	1449	1	9	X	1	7	1					"			"	"	"	"	"	"		
-04	MW 6			"	1610	1	9	X	1	7	1					"			"	"	"	"	"	"		

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
Manny	9-8-22	910			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	9-8-22	910

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 3.2 °C Thermometer 1
Adjusted: °C Factor:

PBEL_COC_2021_1 Revision #: 2021_1 Effective Date: 9-21-21 Page __ of __

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

September 21, 2022

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

Work Order: **HS22090534**

Laboratory Results for: **2I08002**

Dear Brent Barron,

ALS Environmental received 4 sample(s) on Sep 12, 2022 for the analysis presented in the following report.

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

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

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

Sincerely,

Generated By: JUMOKE.LAWAL
Anna Kinchen
Project Manager

ALS Houston, US Date: 21-Sep-22

Client: Permian Basin Environmental Lab, LP
Project: 2I08002
Work Order: HS22090534

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS22090534-01	2I08002-01	Water		07-Sep-2022 11:45	12-Sep-2022 08:45	☐
HS22090534-02	2I08002-02	Water		07-Sep-2022 13:10	12-Sep-2022 08:45	☐
HS22090534-03	2I08002-03	Water		07-Sep-2022 14:49	12-Sep-2022 08:45	☐
HS22090534-04	2I08002-04	Water		07-Sep-2022 16:10	12-Sep-2022 08:45	☐

ALS Houston, US Date: 21-Sep-22

Client: Permian Basin Environmental Lab, LP **CASE NARRATIVE**
Project: 2I08002
Work Order: HS22090534

Work Order Comments

- The samples were received at 27.0 °C which is outside of the recommended temperature acceptance (0 to 6 °C). The client was notified via email on 09/12/22. Per client email proceed with analysis.

GC Semivolatiles by Method RSK-175

Batch ID: R417575

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

WetChemistry by Method E415.1

Batch ID: R417390

Sample ID: 2I08002-01 (HS22090534-01)

- The reporting limit is elevated due to dilution for high concentrations of non-target analytes. (Organic Carbon, Total)

Sample ID: 2I08002-04 (HS22090534-04)

- The reporting limit is elevated due to dilution for high concentrations of non-target analytes. (Organic Carbon, Total)

ALS Houston, US Date: 21-Sep-22

Client: Permian Basin Environmental Lab, LP
Project: 2I08002
Sample ID: 2I08002-01
Collection Date: 07-Sep-2022 11:45

ANALYTICAL REPORT
WorkOrder:HS22090534
Lab ID:HS22090534-01
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		**Method:RSK-175**				Analyst: PPM
Ethane	ND		1.00	ug/L	1	16-Sep-2022 10:59
Ethene	ND		1.00	ug/L	1	16-Sep-2022 10:59
Methane	**2.16**		**0.500**	**ug/L**	1	16-Sep-2022 10:59
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: JAC
Organic Carbon, Total	ND		10.0	mg/L	10	16-Sep-2022 21:25

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

ALS Houston, US Date: 21-Sep-22

Client: Permian Basin Environmental Lab, LP
Project: 2I08002
Sample ID: 2I08002-02
Collection Date: 07-Sep-2022 13:10

ANALYTICAL REPORT
WorkOrder:HS22090534
Lab ID:HS22090534-02
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		**Method:RSK-175**				Analyst: PPM
Ethane	ND		1.00	ug/L	1	16-Sep-2022 11:20
Ethene	ND		1.00	ug/L	1	16-Sep-2022 11:20
Methane	**1,360**		**50.0**	**ug/L**	100	16-Sep-2022 14:17
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: JAC
Organic Carbon, Total	**21.0**		**10.0**	**mg/L**	10	16-Sep-2022 21:39

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

ALS Houston, US Date: 21-Sep-22

Client: Permian Basin Environmental Lab, LP
Project: 2I08002
Sample ID: 2I08002-03
Collection Date: 07-Sep-2022 14:49

ANALYTICAL REPORT
WorkOrder:HS22090534
Lab ID:HS22090534-03
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		**Method:RSK-175**				Analyst: PPM
Ethane	**1.82**		**1.00**	**ug/L**	1	16-Sep-2022 11:32
Ethene	**5.94**		**1.00**	**ug/L**	1	16-Sep-2022 11:32
Methane	**991**		**50.0**	**ug/L**	100	16-Sep-2022 14:25
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: JAC
Organic Carbon, Total	**18.0**		**10.0**	**mg/L**	10	16-Sep-2022 22:17

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

ALS Houston, US Date: 21-Sep-22

Client: Permian Basin Environmental Lab, LP
Project: 2I08002
Sample ID: 2I08002-04
Collection Date: 07-Sep-2022 16:10

ANALYTICAL REPORT
WorkOrder:HS22090534
Lab ID:HS22090534-04
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		**Method:RSK-175**				Analyst: PPM
Ethane	**1.08**		**1.00**	**ug/L**	1	16-Sep-2022 11:41
Ethene	ND		1.00	ug/L	1	16-Sep-2022 11:41
Methane	**256**		**10.0**	**ug/L**	20	16-Sep-2022 14:35
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: JAC
Organic Carbon, Total	ND		10.0	mg/L	10	16-Sep-2022 22:31

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

ALS Houston, US Date: 21-Sep-22

Client: Permian Basin Environmental Lab, LP
Project: 2I08002
WorkOrder: HS22090534

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R417390 (0)	**Test Name :** TOTAL ORGANIC CARBON BY E415.1				**Matrix:** Water	
HS22090534-01	2I08002-01	07 Sep 2022 11:45			16 Sep 2022 21:25	10
HS22090534-02	2I08002-02	07 Sep 2022 13:10			16 Sep 2022 21:39	10
HS22090534-03	2I08002-03	07 Sep 2022 14:49			16 Sep 2022 22:17	10
HS22090534-04	2I08002-04	07 Sep 2022 16:10			16 Sep 2022 22:31	10
Batch ID: R417575 (0)	**Test Name :** DISSOLVED GASES BY RSK-175				**Matrix:** Water	
HS22090534-01	2I08002-01	07 Sep 2022 11:45			16 Sep 2022 10:59	1
HS22090534-02	2I08002-02	07 Sep 2022 13:10			16 Sep 2022 14:17	100
HS22090534-02	2I08002-02	07 Sep 2022 13:10			16 Sep 2022 11:20	1
HS22090534-03	2I08002-03	07 Sep 2022 14:49			16 Sep 2022 14:25	100
HS22090534-03	2I08002-03	07 Sep 2022 14:49			16 Sep 2022 11:32	1
HS22090534-04	2I08002-04	07 Sep 2022 16:10			16 Sep 2022 14:35	20
HS22090534-04	2I08002-04	07 Sep 2022 16:10			16 Sep 2022 11:41	1

ALS Houston, US Date: 21-Sep-22

Client: Permian Basin Environmental Lab, LP
Project: 2I08002
WorkOrder: HS22090534

QC BATCH REPORT

Batch ID: R417575 (0) **Instrument:** FID-4 **Method:** DISSOLVED GASES BY RSK-175

MBLK Sample ID: **MBLK-220916** Units: **ug/L** Analysis Date: **16-Sep-2022 09:12**
Client ID: Run ID: **FID-4_417575** SeqNo: **6874850** 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-220916** Units: **ug/L** Analysis Date: **16-Sep-2022 09:38**
Client ID: Run ID: **FID-4_417575** SeqNo: **6874851** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ethane	18.01	1.00	18.04	0	99.8	75 - 125				
Ethene	14.45	1.00	16.8	0	86.0	75 - 125				
Methane	8.113	0.500	9.647	0	84.1	75 - 125				

LCSD Sample ID: **LCSD-220916** Units: **ug/L** Analysis Date: **16-Sep-2022 09:49**
Client ID: Run ID: **FID-4_417575** SeqNo: **6874852** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ethane	18.49	1.00	18.04	0	102	75 - 125	18.01	2.64	30	
Ethene	13.91	1.00	16.8	0	82.8	75 - 125	14.45	3.78	30	
Methane	8.481	0.500	9.647	0	87.9	75 - 125	8.113	4.44	30	

The following samples were analyzed in this batch: HS22090534-01 HS22090534-02 HS22090534-03 HS22090534-04

ALS Houston, US Date: 21-Sep-22

Client: Permian Basin Environmental Lab, LP
Project: 2I08002
WorkOrder: HS22090534

QC BATCH REPORT

Batch ID: R417390 (0) **Instrument: TOC_04** **Method: TOTAL ORGANIC CARBON BY E415.1**

MBLK Sample ID: **MBLK-09162022** Units: **mg/L** Analysis Date: **16-Sep-2022 19:39**
Client ID: Run ID: **TOC_04_417390** SeqNo: **6855908** 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-09162022** Units: **mg/L** Analysis Date: **16-Sep-2022 19:50**
Client ID: Run ID: **TOC_04_417390** SeqNo: **6855909** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	9.466	1.00	10	0	94.7	85 - 115				

LCSD Sample ID: **LCSD-09162022** Units: **mg/L** Analysis Date: **16-Sep-2022 20:04**
Client ID: Run ID: **TOC_04_417390** SeqNo: **6855910** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	9.402	1.00	10	0	94.0	85 - 115	9.466	0.678	20	

MS Sample ID: **HS22090051-01MS** Units: **mg/L** Analysis Date: **16-Sep-2022 20:28**
Client ID: Run ID: **TOC_04_417390** SeqNo: **6855912** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	20.86	1.00	10	10.21	106	80 - 120				

The following samples were analyzed in this batch: HS22090534-01 HS22090534-02 HS22090534-03 HS22090534-04

ALS Houston, US Date: 21-Sep-22

Client: Permian Basin Environmental Lab, LP
Project: 2I08002
WorkOrder: HS22090534

QUALIFIERS, ACRONYMS, UNITS

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

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

ALS Houston, US Date: 21-Sep-22

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	22-041-0	27-Mar-2023
California	2919 2022-2023	30-Apr-2023
Dept of Defense	L21-682	31-Dec-2023
Florida	E87611-36	30-Jun-2023
Illinois	2000322022-9	09-May-2023
Kansas	E-10352; 2022-2023	31-Jul-2023
Kentucky	123043, 2022-2023	30-Apr-2023
Louisiana	03087, 2022-2023	30-Jun-2023
Maryland	343, 2022-2023	30-Jun-2023
North Carolina	624-2022	31-Dec-2022
North Dakota	R-193 2022-2023	30-Apr-2023
Oklahoma	2022-141	31-Aug-2023
Texas	T104704231-22-29	30-Apr-2023
Utah	TX026932022-13	31-Jul-2023

ALS Houston, US Date: 21-Sep-22

Sample Receipt Checklist

Work Order ID: HS22090534 **Date/Time Received:** 12-Sep-2022 08:45

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

Completed By:	/S/ Nilesh D. Ranchod	12-Sep-2022 11:26	**Reviewed by:**	/S/ Anna Kinchen	13-Sep-2022 10:28
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **Water** Carrier name: **FedEx Priority Overnight**

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

Temperature(s)/Thermometer(s):	27.0C/26.8C UC/C	IR #31
Cooler(s)/Kit(s):	Med Teal	
Date/Time sample(s) sent to storage:	09/12/2022 12:00	

Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☑	N/A ☐
pH adjusted by:			

Login Notes: Sample label time Differ logged per Chain

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: 432-661-4184

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

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

(lab use only)
ORDER #: HS22090534

Permian Basin Environmental Lab, LP
2I108002

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO_3 250ml Poly	HCl - 40mL VOA	H_2SO_4	NaOH	$Na_2S_2O_3$	None 1L Poly	NaOH/ZnAc	Matrix: DW=Drinking Water SL=Sludge	GW = Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	Analyze For: TCLP:	Analyze For: TOTAL: RSK-175	TOC	STD TAT
	2I08002-01			09/07/22	11:45		4	X		3	1					W				X	X	X
	2I08002-02			09/07/22	13:10		4	X		3	1					W				X	X	X
	2I08002-03			09/07/22	14:49		4	X		3	1					W				X	X	X
	2I08002-04			09/07/22	16:10		4	X		3	1					W				X	X	X

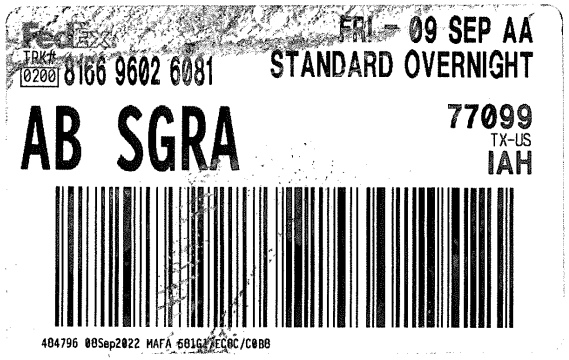
Relinquished by:	Date	Time	Received by:	Date	Time
Brent Barron	8-Sep-22	13:00:00 PM			
Relinquished by:	Date	Time	Received by:	Date	Time
				9/12/22	0845
Relinquished by:	Date	Time	Received by:	Date	Time

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star
Temperature Upon Receipt: 27.6 °C
Received: °C
Adjusted: °C Factor

MD TEAL 1R1



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

PBELAB

Analytical Report

Prepared for:

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Location: Lea County, NM

Lab Order Number: 2I07004

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 09/27/22

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: Curt Stanley

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-17	2I07004-01	Water	09/06/22 14:55	09-07-2022 10:27
MW-9	2I07004-02	Water	09/07/22 10:27	09-07-2022 10:27

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: Curt Stanley

MW-17

2I07004-01 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P2I0909	09/09/22 14:42	09/09/22 23:30	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2I0909	09/09/22 14:42	09/09/22 23:30	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2I0909	09/09/22 14:42	09/09/22 23:30	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2I0909	09/09/22 14:42	09/09/22 23:30	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2I0909	09/09/22 14:42	09/09/22 23:30	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*84.1 %*	*80-120*		*P2I0909*	*09/09/22 14:42*	*09/09/22 23:30*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.3 %*	*80-120*		*P2I0909*	*09/09/22 14:42*	*09/09/22 23:30*	*EPA 8021B*	
Ethane	ND	0.00100	mg/L	1	P2I2106	09/16/22 10:51	09/16/22 10:51	8015M	
Ethene	ND	0.00100	mg/L	1	P2I2106	09/16/22 10:51	09/16/22 10:51	8015M	
Methane	**0.000800**	0.000500	mg/L	1	P2I2106	09/16/22 10:51	09/16/22 10:51	8015M	
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	ND	10.0	mg/L	1	P2I1205	09/12/22 09:29	09/12/22 15:04	8000	QAL1
Nitrate as N	**1.17**	0.200	mg/L	1	P2I0712	09/07/22 13:35	09/09/22 12:52	EPA 300.0	
Sulfate	**73.8**	1.00	mg/L	1	P2I0712	09/07/22 13:35	09/09/22 12:52	EPA 300.0	
Total Organic Carbon	ND	10.0	mg/L	1	P2I2106	09/16/22 20:50	09/16/22 20:56	EPA 415.1	
Dissolved Metals by EPA / Standard Methods									
Iron	ND	0.200	mg/L	1	P2I1305	09/13/22 08:58	09/13/22 10:56	EPA 6010B	QAL1
Manganese	ND	0.100	mg/L	1	P2I1305	09/13/22 08:58	09/13/22 10:56	EPA 6010B	QAL1

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: Curt Stanley

MW-9

2I07004-02 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P2I0909	09/09/22 14:42	09/09/22 23:51	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2I0909	09/09/22 14:42	09/09/22 23:51	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2I0909	09/09/22 14:42	09/09/22 23:51	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2I0909	09/09/22 14:42	09/09/22 23:51	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2I0909	09/09/22 14:42	09/09/22 23:51	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*91.0 %*	*80-120*		*P2I0909*	*09/09/22 14:42*	*09/09/22 23:51*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*98.5 %*	*80-120*		*P2I0909*	*09/09/22 14:42*	*09/09/22 23:51*	*EPA 8021B*	
Ethane	**0.00131**	0.00100	mg/L	1	P2I2106	09/16/22 10:29	09/16/22 10:29	8015M	
Ethene	ND	0.00100	mg/L	1	P2I2106	09/16/22 10:29	09/16/22 10:29	8015M	
Methane	**0.00137**	0.000500	mg/L	1	P2I2106	09/16/22 10:29	09/16/22 10:29	8015M	
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	ND	10.0	mg/L	1	P2I1205	09/12/22 09:29	09/12/22 15:04	8000	QAL1
Nitrate as N	**0.298**	0.200	mg/L	1	P2I0712	09/07/22 13:35	09/09/22 13:46	EPA 300.0	
Sulfate	**68.1**	1.00	mg/L	1	P2I0712	09/07/22 13:35	09/09/22 13:46	EPA 300.0	
Total Organic Carbon	ND	10.0	mg/L	1	P2I2106	09/16/22 21:10	09/16/22 21:10	EPA 415.1	
Dissolved Metals by EPA / Standard Methods									
Iron	ND	0.200	mg/L	1	P2I1305	09/13/22 08:58	09/13/22 10:59	EPA 6010B	QAL1
Manganese	ND	0.100	mg/L	1	P2I1305	09/13/22 08:58	09/13/22 10:59	EPA 6010B	QAL1

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: Curt Stanley

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I0909 - * DEFAULT PREP *** **										
Blank (P2I0909-BLK1)				Prepared & Analyzed: 09/09/22						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	*0.113*		*"*	*0.120*		*94.5*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.111*		*"*	*0.120*		*92.2*	*80-120*			
LCS (P2I0909-BS1)				Prepared & Analyzed: 09/09/22						
Benzene	0.0948	0.00100	mg/L	0.100		94.8	80-120			
Toluene	0.0996	0.00100	"	0.100		99.6	80-120			
Ethylbenzene	0.107	0.00100	"	0.100		107	80-120			
Xylene (p/m)	0.189	0.00200	"	0.200		94.6	80-120			
Xylene (o)	0.104	0.00100	"	0.100		104	80-120			
Surrogate: 4-Bromofluorobenzene	*0.122*		*"*	*0.120*		*101*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.120*		*"*	*0.120*		*100*	*80-120*			
Calibration Blank (P2I0909-CCB1)				Prepared & Analyzed: 09/09/22						
Benzene	0.250		ug/l							
Toluene	0.300		"							
Ethylbenzene	0.150		"							
Xylene (p/m)	0.220		"							
Xylene (o)	0.100		"							
Surrogate: 4-Bromofluorobenzene	*0.104*		*"*	*0.120*		*86.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.8*	*80-120*			
Calibration Blank (P2I0909-CCB2)				Prepared & Analyzed: 09/09/22						
Benzene	0.00		ug/l							
Toluene	0.710		"							
Ethylbenzene	0.140		"							
Xylene (p/m)	0.220		"							
Xylene (o)	0.150		"							
Surrogate: 4-Bromofluorobenzene	*0.111*		*"*	*0.120*		*92.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.1*	*80-120*			

TRC Solutions- Midland, Texas	Project: HDO 90-23_MNA
10 Desta Dr STE 150E	Project Number: TMN HDO 90-23
Midland TX, 79705	Project Manager: Curt Stanley

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I0909 - * DEFAULT PREP *** **										
Calibration Check (P2I0909-CCV1)				Prepared & Analyzed: 09/09/22						
Benzene	0.106	0.00100	mg/L	0.102		104	80-120			
Toluene	0.114	0.00100	"	0.102		112	80-120			
Ethylbenzene	0.110	0.00100	"	0.102		108	80-120			
Xylene (p/m)	0.195	0.00200	"	0.204		95.6	80-120			
Xylene (o)	0.118	0.00100	"	0.102		116	80-120			
Surrogate: 4-Bromofluorobenzene	*0.114*		"	*0.120*		*94.9*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.120*		"	*0.120*		*100*	*80-120*			
Calibration Check (P2I0909-CCV2)				Prepared & Analyzed: 09/09/22						
Benzene	0.116	0.00100	mg/L	0.102		114	80-120			
Toluene	0.112	0.00100	"	0.102		110	80-120			
Ethylbenzene	0.115	0.00100	"	0.102		112	80-120			
Xylene (p/m)	0.201	0.00200	"	0.204		98.7	80-120			
Xylene (o)	0.117	0.00100	"	0.102		114	80-120			
Surrogate: 4-Bromofluorobenzene	*0.106*		"	*0.120*		*88.3*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.124*		"	*0.120*		*104*	*80-120*			
Calibration Check (P2I0909-CCV3)				Prepared: 09/09/22 Analyzed: 09/10/22						
Benzene	0.112	0.00100	mg/L	0.102		110	80-120			
Toluene	0.115	0.00100	"	0.102		113	80-120			
Ethylbenzene	0.118	0.00100	"	0.102		115	80-120			
Xylene (p/m)	0.216	0.00200	"	0.204		106	80-120			
Xylene (o)	0.117	0.00100	"	0.102		115	80-120			
Surrogate: 4-Bromofluorobenzene	*0.112*		"	*0.120*		*93.1*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.120*		"	*0.120*		*100*	*80-120*			
Matrix Spike (P2I0909-MS1)	**Source: 2I07004-02**			Prepared: 09/09/22 Analyzed: 09/10/22						
Benzene	0.0124	0.00100	mg/L	0.100	ND	12.4	80-120			
Toluene	0.0121	0.00100	"	0.100	ND	12.1	80-120			
Ethylbenzene	0.0134	0.00100	"	0.100	ND	13.4	80-120			
Xylene (p/m)	0.0244	0.00200	"	0.200	ND	12.2	80-120			
Xylene (o)	0.0153	0.00100	"	0.100	ND	15.3	80-120			
Surrogate: 4-Bromofluorobenzene	*0.109*		"	*0.120*		*90.7*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.119*		"	*0.120*		*99.2*	*80-120*			

TRC Solutions- Midland, Texas	Project: HDO 90-23_MNA
10 Desta Dr STE 150E	Project Number: TMN HDO 90-23
Midland TX, 79705	Project Manager: Curt Stanley

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I0909 - * DEFAULT PREP *** **										
Matrix Spike Dup (P2I0909-MSD1)	**Source: 2I07004-02**			Prepared: 09/09/22 Analyzed: 09/10/22						
Benzene	0.100	0.00100	mg/L	0.100	ND	100	80-120	156	20	
Toluene	0.0966	0.00100	"	0.100	ND	96.6	80-120	155	20	
Ethylbenzene	0.107	0.00100	"	0.100	ND	107	80-120	155	20	
Xylene (p/m)	0.188	0.00200	"	0.200	ND	93.9	80-120	154	20	
Xylene (o)	0.101	0.00100	"	0.100	ND	101	80-120	147	20	
Surrogate: 4-Bromofluorobenzene	*0.119*		*"*	*0.120*		*99.5*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.123*		*"*	*0.120*		*103*	*80-120*			

TRC Solutions- Midland, Texas	Project: HDO 90-23_MNA
10 Desta Dr STE 150E	Project Number: TMN HDO 90-23
Midland TX, 79705	Project Manager: Curt Stanley

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I0712 - * DEFAULT PREP *** **										
Blank (P2I0712-BLK1)				Prepared: 09/07/22 Analyzed: 09/09/22						
Sulfate	ND	1.00	mg/L							
Nitrate as N	ND	0.200	"							
LCS (P2I0712-BS1)				Prepared: 09/07/22 Analyzed: 09/09/22						
Sulfate	19.2	1.00	mg/L	20.0		96.1	90-110			
Nitrate as N	1.96	0.200	"	2.00		98.2	90-110			
LCS Dup (P2I0712-BSD1)				Prepared: 09/07/22 Analyzed: 09/09/22						
Sulfate	19.2	1.00	mg/L	20.0		95.9	90-110	0.187	10	
Nitrate as N	1.97	0.200	"	2.00		98.6	90-110	0.457	10	
Calibration Blank (P2I0712-CCB1)				Prepared: 09/07/22 Analyzed: 09/09/22						
Sulfate	0.00		mg/L							
Nitrate as N	0.00		"							
Calibration Check (P2I0712-CCV1)				Prepared: 09/07/22 Analyzed: 09/09/22						
Sulfate	19.4		mg/L	20.0		96.8	90-110			
Nitrate as N	1.89		"	2.00		94.4	90-110			
Calibration Check (P2I0712-CCV2)				Prepared: 09/07/22 Analyzed: 09/09/22						
Sulfate	19.8		mg/L	20.0		98.9	90-110			
Nitrate as N	1.91		"	2.00		95.6	90-110			
Matrix Spike (P2I0712-MS1)		**Source: 2I07004-01**		Prepared: 09/07/22 Analyzed: 09/09/22						
Nitrate as N	1.36	0.200	mg/L	0.200	1.17	95.0	80-120			
Sulfate	73.7	1.00	"	2.00	73.8	NR	80-120			QM-05
Matrix Spike Dup (P2I0712-MSD1)		**Source: 2I07004-01**		Prepared: 09/07/22 Analyzed: 09/09/22						
Nitrate as N	1.36	0.200	mg/L	0.200	1.17	95.0	80-120	0.00	20	
Sulfate	73.6	1.00	"	2.00	73.8	NR	80-120	0.0543	20	QM-05

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: Curt Stanley

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I1205 - * DEFAULT PREP *** **										
Blank (P2I1205-BLK1)				Prepared & Analyzed: 09/12/22						
Chemical Oxygen Demand	ND	10.0	mg/L							QAL1
Blank (P2I1205-BLK2)				Prepared & Analyzed: 09/12/22						
Chemical Oxygen Demand	ND	10.0	mg/L							QAL1
LCS (P2I1205-BS1)				Prepared & Analyzed: 09/12/22						
Chemical Oxygen Demand	93.0	10.0	mg/L	100		93.0	80-120			QAL1
LCS (P2I1205-BS2)				Prepared & Analyzed: 09/12/22						
Chemical Oxygen Demand	1060	10.0	mg/L	1000		106	80-120			QAL1
LCS Dup (P2I1205-BSD1)				Prepared & Analyzed: 09/12/22						
Chemical Oxygen Demand	102	10.0	mg/L	100		102	80-120	9.23	20	QAL1
LCS Dup (P2I1205-BSD2)				Prepared & Analyzed: 09/12/22						
Chemical Oxygen Demand	1100	10.0	mg/L	1000		110	80-120	3.41	20	QAL1
Duplicate (P2I1205-DUP1)		**Source: 2H25006-01**		Prepared & Analyzed: 09/12/22						
Chemical Oxygen Demand	254	10.0	mg/L		59.0			125	20	QAL1, QM-05
Duplicate (P2I1205-DUP2)		**Source: 2I07008-01**		Prepared & Analyzed: 09/12/22						
Chemical Oxygen Demand	102	10.0	mg/L		251			84.4	20	QAL1, R3
Matrix Spike (P2I1205-MS1)		**Source: 2H25006-01**		Prepared & Analyzed: 09/12/22						
Chemical Oxygen Demand	89.0	10.0	mg/L	100	59.0	30.0	80-120			QAL1, R3
Matrix Spike (P2I1205-MS2)		**Source: 2I07008-01**		Prepared & Analyzed: 09/12/22						
Chemical Oxygen Demand	1170	10.0	mg/L	1000	251	92.2	80-120			QAL1

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: Curt Stanley

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I1205 - * DEFAULT PREP *** **										
Matrix Spike Dup (P2I1205-MSD1)	**Source: 2H25006-01**			Prepared & Analyzed: 09/12/22						
Chemical Oxygen Demand	1150	10.0	mg/L	100	59.0	NR	80-120	171	20	QAL1, R3
Matrix Spike Dup (P2I1205-MSD2)	**Source: 2I07008-01**			Prepared & Analyzed: 09/12/22						
Chemical Oxygen Demand	146	10.0	mg/L	1000	251	NR	80-120	156	20	QAL1, R3

TRC Solutions- Midland, Texas	Project: HDO 90-23_MNA
10 Desta Dr STE 150E	Project Number: TMN HDO 90-23
Midland TX, 79705	Project Manager: Curt Stanley

Dissolved Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I1305 - * DEFAULT PREP *** **										
Blank (P2I1305-BLK1)				Prepared & Analyzed: 09/13/22						
Manganese	ND	0.100	mg/L							QAL1
Iron	ND	0.200	"							QAL1
LCS (P2I1305-BS1)				Prepared & Analyzed: 09/13/22						
Manganese	0.183	0.100	mg/L	0.200		91.5	80-120			QAL1
Iron	0.431	0.200	"	0.400		108	80-120			QAL1
LCS Dup (P2I1305-BSD1)				Prepared & Analyzed: 09/13/22						
Manganese	0.183	0.100	mg/L	0.200		91.5	80-120	0.00595	20	QAL1
Iron	0.423	0.200	"	0.400		106	80-120	1.78	20	QAL1
Calibration Blank (P2I1305-CCB1)				Prepared & Analyzed: 09/13/22						
Manganese	-0.0353		mg/L							QAL1
Iron	0.00269		"							QAL1
Calibration Blank (P2I1305-CCB2)				Prepared & Analyzed: 09/13/22						
Manganese	-0.0360		mg/L							QAL1
Iron	0.00305		"							QAL1
Calibration Blank (P2I1305-CCB3)				Prepared & Analyzed: 09/13/22						
Manganese	-0.0359		mg/L							QAL1
Iron	0.000654		"							QAL1
Calibration Check (P2I1305-CCV1)				Prepared & Analyzed: 09/13/22						
Manganese	0.214	0.100	mg/L	0.200		107	80-120			QAL1
Iron	0.434	0.200	"	0.400		109	80-120			QAL1
Calibration Check (P2I1305-CCV2)				Prepared & Analyzed: 09/13/22						
Manganese	0.193	0.100	mg/L	0.200		96.5	80-120			QAL1
Iron	0.410	0.200	"	0.400		103	80-120			QAL1

TRC Solutions- Midland, Texas	Project: HDO 90-23_MNA
10 Desta Dr STE 150E	Project Number: TMN HDO 90-23
Midland TX, 79705	Project Manager: Curt Stanley

Dissolved Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I1305 - * DEFAULT PREP *** **										
Calibration Check (P2I1305-CCV3)				Prepared & Analyzed: 09/13/22						
Iron	0.421	0.200	mg/L	0.400		105	80-120			QAL1
Manganese	0.192	0.100	"	0.200		96.2	80-120			QAL1
Matrix Spike (P2I1305-MS1)	**Source: 2I02001-01**			Prepared & Analyzed: 09/13/22						
Iron	0.444	0.200	mg/L	0.400	0.0222	105	75-125			QAL1
Manganese	0.428	0.100	"	0.200	0.209	110	75-125			QAL1
Matrix Spike Dup (P2I1305-MSD1)	**Source: 2I02001-01**			Prepared & Analyzed: 09/13/22						
Manganese	0.428	0.100	mg/L	0.200	0.209	110	75-125	0.00390	20	QAL1
Iron	0.448	0.200	"	0.400	0.0222	106	75-125	1.00	20	QAL1

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: Curt Stanley

Notes and Definitions

ROI	Received on Ice
R3	The RPD exceeded the acceptance limit due to sample matrix effects.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
QAL1	The Laboratory is not TNI Certified for this analyte or analysis.
pH1	The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.
NPBEL C(	Chain of Custody was not generated at PBELAB
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 9/27/2022

Brent Barron, Laboratory Director/Technical Director

TRC Solutions- Midland, Texas	Project: HDO 90-23_MNA
10 Desta Dr STE 150E	Project Number: TMN HDO 90-23
Midland TX, 79705	Project Manager: Curt Stanley

MNA

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-661-4184

Project Manager: Curt Stanley

Company Name: TRC Environmental Corporation

Company Address: 10 Desta Drive, Ste 130E

City/State/Zip: Midland, TX 79705

Telephone No: 432.520.7720 Fax No:

Sampler Signature: e-mail:

Project Name: HDO 90-23

Project #: TNM HDO 90-23

Project Loc: Lea County, New Mexico

PO #:

Report Format: ☐ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: 2I07004

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3 (1-250mL)	HCl (6 VOA + 1-250 mL)	H2SO4 (1-250 mL)	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TOC SM 5310	Total Dissolved Metals (Fe and Mn) by SW 6010	Dissolved Methane, Ethane, and Ethene by RSK-175	Nitrate and Sulfate by E300	COD by 5310	Total BTEX by 8260	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
																	TCLP:							
																	TOTAL:	X						
-01	MW-17			9-6-22	1455	1	9	X	1	7	1					GW	X	X	X	X	X	X		X
-02	MW-9			9-6-22	1545	1	9	X	1	7	1					GW	X	X	X	X	X	X		X
	RW-2			"	"	1	9	X	1	7	1					GW	X	X	X	X	X	X		X
	MW-3			"	"	1	9	X	1	7	1					GW	X	X	X	X	X	X		X
	MW-2			"	"	1	9	X	1	7	1					GW	X	X	X	X	X	X		X
	MW-6			"	"	1	9	X	1	7	1					GW	X	X	X	X	X	X		X
				"	"																			
				"	"																			
				"	"																			

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
Manny	9-7-22				
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL: M Haddock	9/7/22	907

Laboratory Comments:

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

Temperature Upon Receipt:
Received: 4.4 °C
Adjusted: 5.4 °C Factor +1 4

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

PBELAB

Analytical Report

Prepared for:

Curt Stanley

TRC Solutions- Midland, Texas

10 Desta Dr STE 150E

Midland, TX 79705

Project: HDO 90-23

Project Number: TNM HDO 90-23

Location: Lea County, New Mexico

Lab Order Number: 2I08012

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 09/21/22

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

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-14	2I08012-01	Water	09/07/22 12:40	09-08-2022 09:10
MW-13	2I08012-02	Water	09/07/22 13:12	09-08-2022 09:10
MW-12	2I08012-03	Water	09/07/22 13:39	09-08-2022 09:10
MW-5	2I08012-04	Water	09/07/22 14:25	09-08-2022 09:10
MW-4	2I08012-05	Water	09/07/22 14:58	09-08-2022 09:10
MW-15	2I08012-06	Water	09/07/22 15:22	09-08-2022 09:10
RW-1	2I08012-07	Water	09/07/22 15:48	09-08-2022 09:10

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

MW-14

2I08012-01 (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	P2I1509	09/15/22 15:07	09/15/22 17:50	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2I1509	09/15/22 15:07	09/15/22 17:50	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2I1509	09/15/22 15:07	09/15/22 17:50	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2I1509	09/15/22 15:07	09/15/22 17:50	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2I1509	09/15/22 15:07	09/15/22 17:50	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*90.8 %*	*80-120*		*P2I1509*	*09/15/22 15:07*	*09/15/22 17:50*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*97.9 %*	*80-120*		*P2I1509*	*09/15/22 15:07*	*09/15/22 17:50*	*EPA 8021B*	

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

MW-13

2I08012-02 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P2I1509	09/15/22 15:07	09/15/22 18:11	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2I1509	09/15/22 15:07	09/15/22 18:11	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2I1509	09/15/22 15:07	09/15/22 18:11	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2I1509	09/15/22 15:07	09/15/22 18:11	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2I1509	09/15/22 15:07	09/15/22 18:11	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*103 %*	*80-120*		*P2I1509*	*09/15/22 15:07*	*09/15/22 18:11*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*97.2 %*	*80-120*		*P2I1509*	*09/15/22 15:07*	*09/15/22 18:11*	*EPA 8021B*	

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

MW-12

2I08012-03 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P2I1509	09/15/22 15:07	09/15/22 18:33	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2I1509	09/15/22 15:07	09/15/22 18:33	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2I1509	09/15/22 15:07	09/15/22 18:33	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2I1509	09/15/22 15:07	09/15/22 18:33	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2I1509	09/15/22 15:07	09/15/22 18:33	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*97.5 %*	*80-120*		*P2I1509*	*09/15/22 15:07*	*09/15/22 18:33*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*99.2 %*	*80-120*		*P2I1509*	*09/15/22 15:07*	*09/15/22 18:33*	*EPA 8021B*	

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

MW-5

2I08012-04 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P2I1509	09/15/22 15:07	09/15/22 18:54	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2I1509	09/15/22 15:07	09/15/22 18:54	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2I1509	09/15/22 15:07	09/15/22 18:54	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2I1509	09/15/22 15:07	09/15/22 18:54	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2I1509	09/15/22 15:07	09/15/22 18:54	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*94.2 %*	*80-120*		*P2I1509*	*09/15/22 15:07*	*09/15/22 18:54*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*99.1 %*	*80-120*		*P2I1509*	*09/15/22 15:07*	*09/15/22 18:54*	*EPA 8021B*	

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

MW-4

2I08012-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P2I1509	09/15/22 15:07	09/15/22 19:15	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2I1509	09/15/22 15:07	09/15/22 19:15	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2I1509	09/15/22 15:07	09/15/22 19:15	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2I1509	09/15/22 15:07	09/15/22 19:15	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2I1509	09/15/22 15:07	09/15/22 19:15	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*98.5 %*	*80-120*		*P2I1509*	*09/15/22 15:07*	*09/15/22 19:15*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.8 %*	*80-120*		*P2I1509*	*09/15/22 15:07*	*09/15/22 19:15*	*EPA 8021B*	

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

MW-15

2I08012-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P2I1509	09/15/22 15:07	09/15/22 19:36	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2I1509	09/15/22 15:07	09/15/22 19:36	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2I1509	09/15/22 15:07	09/15/22 19:36	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2I1509	09/15/22 15:07	09/15/22 19:36	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2I1509	09/15/22 15:07	09/15/22 19:36	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*96.9 %*	*80-120*		*P2I1509*	*09/15/22 15:07*	*09/15/22 19:36*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.8 %*	*80-120*		*P2I1509*	*09/15/22 15:07*	*09/15/22 19:36*	*EPA 8021B*	

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

RW-1

2I08012-07 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	**0.00122**	0.00100	mg/L	1	P2I1509	09/15/22 15:07	09/15/22 19:57	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2I1509	09/15/22 15:07	09/15/22 19:57	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2I1509	09/15/22 15:07	09/15/22 19:57	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2I1509	09/15/22 15:07	09/15/22 19:57	EPA 8021B	
Xylene (o)	**0.00297**	0.00100	mg/L	1	P2I1509	09/15/22 15:07	09/15/22 19:57	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*95.4 %*	*80-120*		*P2I1509*	*09/15/22 15:07*	*09/15/22 19:57*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*93.9 %*	*80-120*		*P2I1509*	*09/15/22 15:07*	*09/15/22 19:57*	*EPA 8021B*	

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

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I1509 - * DEFAULT PREP *** **										
Blank (P2I1509-BLK1)				Prepared & Analyzed: 09/15/22						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	*0.119*		*"*	*0.120*		*99.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.114*		*"*	*0.120*		*95.3*	*80-120*			
LCS (P2I1509-BS1)				Prepared & Analyzed: 09/15/22						
Benzene	0.104	0.00100	mg/L	0.100		104	80-120			
Toluene	0.104	0.00100	"	0.100		104	80-120			
Ethylbenzene	0.115	0.00100	"	0.100		115	80-120			
Xylene (p/m)	0.225	0.00200	"	0.200		112	80-120			
Xylene (o)	0.105	0.00100	"	0.100		105	80-120			
Surrogate: 4-Bromofluorobenzene	*0.125*		*"*	*0.120*		*104*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.122*		*"*	*0.120*		*102*	*80-120*			
LCS Dup (P2I1509-BSD1)				Prepared & Analyzed: 09/15/22						
Benzene	0.0982	0.00100	mg/L	0.100		98.2	80-120	5.35	20	
Toluene	0.0993	0.00100	"	0.100		99.3	80-120	4.64	20	
Ethylbenzene	0.109	0.00100	"	0.100		109	80-120	5.05	20	
Xylene (p/m)	0.215	0.00200	"	0.200		108	80-120	4.35	20	
Xylene (o)	0.102	0.00100	"	0.100		102	80-120	3.44	20	
Surrogate: 4-Bromofluorobenzene	*0.129*		*"*	*0.120*		*107*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.121*		*"*	*0.120*		*101*	*80-120*			
Calibration Blank (P2I1509-CCB1)				Prepared & Analyzed: 09/15/22						
Benzene	0.0400		ug/l							
Toluene	0.250		"							
Ethylbenzene	0.500		"							
Xylene (p/m)	1.25		"							
Xylene (o)	0.730		"							
Surrogate: 4-Bromofluorobenzene	*0.118*		*"*	*0.120*		*98.1*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.3*	*80-120*			

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

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I1509 - * DEFAULT PREP *** **										
Calibration Blank (P2I1509-CCB2)				Prepared & Analyzed: 09/15/22						
Benzene	0.0800		ug/l							
Toluene	0.440		"							
Ethylbenzene	0.670		"							
Xylene (p/m)	1.60		"							
Xylene (o)	0.930		"							
Surrogate: 4-Bromofluorobenzene	*0.116*		*"*	*0.120*		*96.4*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.118*		*"*	*0.120*		*98.4*	*80-120*			
Calibration Check (P2I1509-CCV1)				Prepared: 09/15/22 Analyzed: 09/16/22						
Benzene	0.112	0.00100	mg/L	0.100		112	80-120			
Toluene	0.115	0.00100	"	0.100		115	80-120			
Ethylbenzene	0.118	0.00100	"	0.100		118	80-120			
Xylene (p/m)	0.238	0.00200	"	0.200		119	80-120			
Xylene (o)	0.119	0.00100	"	0.100		119	80-120			
Surrogate: 4-Bromofluorobenzene	*0.130*		*"*	*0.120*		*108*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.122*		*"*	*0.120*		*102*	*80-120*			
Calibration Check (P2I1509-CCV2)				Prepared & Analyzed: 09/15/22						
Benzene	0.111	0.00100	mg/L	0.100		111	80-120			
Toluene	0.107	0.00100	"	0.100		107	80-120			
Ethylbenzene	0.105	0.00100	"	0.100		105	80-120			
Xylene (p/m)	0.220	0.00200	"	0.200		110	80-120			
Xylene (o)	0.105	0.00100	"	0.100		105	80-120			
Surrogate: 4-Bromofluorobenzene	*0.120*		*"*	*0.120*		*99.7*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.125*		*"*	*0.120*		*104*	*80-120*			
Calibration Check (P2I1509-CCV3)				Prepared: 09/15/22 Analyzed: 09/16/22						
Benzene	0.113	0.00100	mg/L	0.100		113	80-120			
Toluene	0.110	0.00100	"	0.100		110	80-120			
Ethylbenzene	0.109	0.00100	"	0.100		109	80-120			
Xylene (p/m)	0.227	0.00200	"	0.200		114	80-120			
Xylene (o)	0.110	0.00100	"	0.100		110	80-120			
Surrogate: 4-Bromofluorobenzene	*0.125*		*"*	*0.120*		*104*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.126*		*"*	*0.120*		*105*	*80-120*			

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

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I1509 - * DEFAULT PREP *** **										
Matrix Spike (P2I1509-MS1)	**Source: 2I08012-01**			Prepared: 09/15/22 Analyzed: 09/16/22						
Benzene	0.105	0.00100	mg/L	0.100	ND	105	80-120			
Toluene	0.0975	0.00100	"	0.100	ND	97.5	80-120			
Ethylbenzene	0.101	0.00100	"	0.100	ND	101	80-120			
Xylene (p/m)	0.196	0.00200	"	0.200	ND	98.2	80-120			
Xylene (o)	0.0928	0.00100	"	0.100	ND	92.8	80-120			
Surrogate: 4-Bromofluorobenzene	*0.114*		"	*0.120*		*94.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.124*		"	*0.120*		*103*	*80-120*			
Matrix Spike Dup (P2I1509-MSD1)	**Source: 2I08012-01**			Prepared: 09/15/22 Analyzed: 09/16/22						
Benzene	0.113	0.00100	mg/L	0.100	ND	113	80-120	6.54	20	
Toluene	0.102	0.00100	"	0.100	ND	102	80-120	4.53	20	
Ethylbenzene	0.105	0.00100	"	0.100	ND	105	80-120	4.21	20	
Xylene (p/m)	0.203	0.00200	"	0.200	ND	101	80-120	3.10	20	
Xylene (o)	0.0954	0.00100	"	0.100	ND	95.4	80-120	2.79	20	
Surrogate: 4-Bromofluorobenzene	*0.110*		"	*0.120*		*91.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.127*		"	*0.120*		*106*	*80-120*			

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

Notes and Definitions

ROI	Received on Ice
pH1	The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.
NPBEL C(	Chain of Custody was not generated at PBELAB
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 9/21/2022

Brent Barron, Laboratory Director/Technical Director

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-661-4184

Project Manager: Curt Stanley

Company Name: TRC Environmental Corporation

Company Address: 10 Desta Drive, Ste 130E

City/State/Zip: Midland, TX 79705

Telephone No: 432.520.7720 Fax No:

Sampler Signature:

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

Project Name: HDO 90-23

Project #: TNM HDO 90-23

Project Loc: Lea County, New Mexico

PO #:

Report Format: ☐ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: 23080 12

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP:	TOTAL: Total BTEX by 8260	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
-01	MW-14			9-6-22	1240		3	X		3						GW		X		X
-02	MW-13				1312		3	X		3						GW		X		X
-03	MW-12				1339		3	X		3						GW		X		X
-04	MW-5				1425		3	X		3						GW		X		X
-05	MW-4				1458		3	X		3						GW		X		X
-06	MW-15				1522		3	X		3						GW		X		X
-07	RW-1				1548		3	X		3						GW		X		X

Special Instructions:

	Date	Time		Date	Time
Relinquished by:	9.8.22	910	Received by:		
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	9.8.22	9:10

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N

by Sampler/Client Rep. ? by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 3.2 °C
Adjusted: °C Factor 4

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

PBELAB

Analytical Report

Prepared for:

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

Project: HDO 90-23_MNA
Project Number: TMN HDO 90-23
Location: Lea County, NM

Lab Order Number: 2L02008

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 12/14/22

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: Curt Stanley

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-17	2L02008-01	Water	12/01/22 11:22	12-02-2022 10:00
MW-9	2L02008-02	Water	12/01/22 12:10	12-02-2022 10:00
RW-2	2L02008-03	Water	12/01/22 13:35	12-02-2022 10:00
MW-3	2L02008-04	Water	12/01/22 14:15	12-02-2022 10:00
MW-2	2L02008-05	Water	12/01/22 15:15	12-02-2022 10:00
MW-6	2L02008-06	Water	12/01/22 16:10	12-02-2022 10:00

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

TRC Solutions- Midland, Texas	Project: HDO 90-23_MNA
10 Desta Dr STE 150E	Project Number: TMN HDO 90-23
Midland TX, 79705	Project Manager: Curt Stanley

MW-17

2L02008-01 (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	P2L0201	12/02/22 10:59	12/02/22 17:15	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2L0201	12/02/22 10:59	12/02/22 17:15	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2L0201	12/02/22 10:59	12/02/22 17:15	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2L0201	12/02/22 10:59	12/02/22 17:15	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2L0201	12/02/22 10:59	12/02/22 17:15	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*103 %*	*80-120*		*P2L0201*	*12/02/22 10:59*	*12/02/22 17:15*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*90.8 %*	*80-120*		*P2L0201*	*12/02/22 10:59*	*12/02/22 17:15*	*EPA 8021B*	
Ethane	ND	0.00100	mg/L	1	P2L1401	12/09/22 12:46	12/09/22 12:46	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2L1401	12/09/22 12:46	12/09/22 12:46	8015M	SUB-13
Methane	**0.000810**	0.000500	mg/L	1	P2L1401	12/09/22 12:46	12/09/22 12:46	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	ND	2.00	mg/L	1	P2L1201	12/12/22 08:27	12/12/22 14:45	8000	QAL1
Nitrate as N	**1.10**	0.200	mg/L	1	P2L0207	12/02/22 16:40	12/02/22 19:13	EPA 300.0	
Sulfate	**75.2**	1.00	mg/L	1	P2L0207	12/02/22 16:40	12/02/22 19:13	EPA 300.0	
Total Organic Carbon	**1.30**	1.00	mg/L	1	P2L1401	12/10/22 12:46	12/10/22 12:46	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	ND	0.200	mg/L	1	P2L0204	12/02/22 12:14	12/02/22 14:40	EPA 6010B	
Manganese	**0.0456**	0.100	mg/L	1	P2L0204	12/02/22 12:14	12/02/22 14:40	EPA 6010B	J

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: Curt Stanley

MW-9

2L02008-02 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P2L0201	12/02/22 10:59	12/02/22 17:36	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2L0201	12/02/22 10:59	12/02/22 17:36	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2L0201	12/02/22 10:59	12/02/22 17:36	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2L0201	12/02/22 10:59	12/02/22 17:36	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2L0201	12/02/22 10:59	12/02/22 17:36	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*111 %*	*80-120*		*P2L0201*	*12/02/22 10:59*	*12/02/22 17:36*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*89.3 %*	*80-120*		*P2L0201*	*12/02/22 10:59*	*12/02/22 17:36*	*EPA 8021B*	
Ethane	ND	0.00100	mg/L	1	P2L1401	12/09/22 12:46	12/09/22 12:55	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2L1401	12/09/22 12:46	12/09/22 12:55	8015M	SUB-13
Methane	**0.00101**	0.000500	mg/L	1	P2L1401	12/09/22 12:46	12/09/22 12:55	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	ND	2.00	mg/L	1	P2L1201	12/12/22 08:27	12/12/22 14:45	8000	QAL1
Nitrate as N	**0.371**	0.200	mg/L	1	P2L0207	12/02/22 16:40	12/02/22 20:08	EPA 300.0	
Sulfate	**65.2**	1.00	mg/L	1	P2L0207	12/02/22 16:40	12/02/22 20:08	EPA 300.0	
Total Organic Carbon	**2.56**	1.00	mg/L	1	P2L1401	12/10/22 16:47	12/10/22 16:47	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	**0.325**	0.200	mg/L	1	P2L0204	12/02/22 12:14	12/02/22 14:43	EPA 6010B	
Manganese	**0.0215**	0.100	mg/L	1	P2L0204	12/02/22 12:14	12/02/22 14:43	EPA 6010B	J

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: Curt Stanley

RW-2

2L02008-03 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P2L0201	12/02/22 10:59	12/02/22 17:57	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2L0201	12/02/22 10:59	12/02/22 17:57	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2L0201	12/02/22 10:59	12/02/22 17:57	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2L0201	12/02/22 10:59	12/02/22 17:57	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2L0201	12/02/22 10:59	12/02/22 17:57	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*110 %*	*80-120*		*P2L0201*	*12/02/22 10:59*	*12/02/22 17:57*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*90.6 %*	*80-120*		*P2L0201*	*12/02/22 10:59*	*12/02/22 17:57*	*EPA 8021B*	
Ethane	ND	0.00100	mg/L	1	P2L1401	12/09/22 12:46	12/09/22 13:10	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2L1401	12/09/22 12:46	12/09/22 13:10	8015M	SUB-13
Methane	**0.00130**	0.000500	mg/L	1	P2L1401	12/09/22 12:46	12/09/22 13:10	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	ND	2.00	mg/L	1	P2L1201	12/12/22 08:27	12/12/22 14:45	8000	QAL1
Nitrate as N	**0.212**	0.200	mg/L	1	P2L0207	12/02/22 16:40	12/02/22 20:27	EPA 300.0	
Sulfate	**190**	5.00	mg/L	5	P2L0207	12/02/22 16:40	12/05/22 09:46	EPA 300.0	
Total Organic Carbon	**4.47**	1.00	mg/L	1	P2L1401	12/10/22 17:00	12/10/22 17:00	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	**1.17**	0.200	mg/L	1	P2L0204	12/02/22 12:14	12/02/22 14:46	EPA 6010B	
Manganese	**0.0993**	0.100	mg/L	1	P2L0204	12/02/22 12:14	12/02/22 14:46	EPA 6010B	J

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: Curt Stanley

MW-3

2L02008-04 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P2L0201	12/02/22 10:59	12/02/22 18:18	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2L0201	12/02/22 10:59	12/02/22 18:18	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2L0201	12/02/22 10:59	12/02/22 18:18	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2L0201	12/02/22 10:59	12/02/22 18:18	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2L0201	12/02/22 10:59	12/02/22 18:18	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*108 %*	*80-120*		*P2L0201*	*12/02/22 10:59*	*12/02/22 18:18*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*89.9 %*	*80-120*		*P2L0201*	*12/02/22 10:59*	*12/02/22 18:18*	*EPA 8021B*	
Ethane	**0.00444**	0.00100	mg/L	1	P2L1401	12/09/22 12:46	12/09/22 13:27	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2L1401	12/09/22 12:46	12/09/22 13:27	8015M	SUB-13
Methane	**1.50**	0.0500	mg/L	100	P2L1401	12/09/22 12:46	12/09/22 14:09	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	**57.0**	2.00	mg/L	1	P2L1201	12/12/22 08:27	12/12/22 14:45	8000	QAL1
Nitrate as N	**0.242**	0.200	mg/L	1	P2L0207	12/02/22 16:40	12/02/22 20:45	EPA 300.0	
Sulfate	**361**	5.00	mg/L	5	P2L0207	12/02/22 16:40	12/05/22 10:05	EPA 300.0	
Total Organic Carbon	**22.3**	1.00	mg/L	1	P2L1401	12/10/22 17:42	12/10/22 17:42	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	**0.836**	0.200	mg/L	1	P2L0204	12/02/22 12:14	12/02/22 14:49	EPA 6010B	
Manganese	**0.175**	0.100	mg/L	1	P2L0204	12/02/22 12:14	12/02/22 14:49	EPA 6010B	

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: Curt Stanley

MW-2

2L02008-05 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	**0.0196**	0.00100	mg/L	1	P2L0201	12/02/22 10:59	12/02/22 18:39	EPA 8021B	
Toluene	**0.00425**	0.00100	mg/L	1	P2L0201	12/02/22 10:59	12/02/22 18:39	EPA 8021B	
Ethylbenzene	**0.00414**	0.00100	mg/L	1	P2L0201	12/02/22 10:59	12/02/22 18:39	EPA 8021B	
Xylene (p/m)	**0.0170**	0.00200	mg/L	1	P2L0201	12/02/22 10:59	12/02/22 18:39	EPA 8021B	
Xylene (o)	**0.00530**	0.00100	mg/L	1	P2L0201	12/02/22 10:59	12/02/22 18:39	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*107 %*	*80-120*		*P2L0201*	*12/02/22 10:59*	*12/02/22 18:39*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*90.7 %*	*80-120*		*P2L0201*	*12/02/22 10:59*	*12/02/22 18:39*	*EPA 8021B*	
Ethane	**0.00577**	0.00100	mg/L	1	P2L1401	12/09/22 12:46	12/09/22 13:38	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2L1401	12/09/22 12:46	12/09/22 13:38	8015M	SUB-13
Methane	**1.60**	0.0500	mg/L	100	P2L1401	12/09/22 12:46	12/09/22 14:24	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	**81.0**	2.00	mg/L	1	P2L1201	12/12/22 08:27	12/12/22 14:45	8000	QAL1
Nitrate as N	**0.206**	0.200	mg/L	1	P2L0207	12/02/22 16:40	12/02/22 21:04	EPA 300.0	
Sulfate	**10.2**	1.00	mg/L	1	P2L0207	12/02/22 16:40	12/02/22 21:04	EPA 300.0	
Total Organic Carbon	**23.9**	1.00	mg/L	1	P2L1401	12/10/22 17:56	12/10/22 17:56	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	**0.560**	0.200	mg/L	1	P2L0204	12/02/22 12:14	12/02/22 14:53	EPA 6010B	
Manganese	**0.104**	0.100	mg/L	1	P2L0204	12/02/22 12:14	12/02/22 14:53	EPA 6010B	
PAH compounds by Semivolatile GCMS									
1-Methylnaphthalene	**0.037**	0.0011	mg/L	10	P2L1401	12/07/22 02:00	12/08/22 15:14	8270C	SUB-13
2-Methylnaphthalene	**0.029**	0.0011	mg/L	10	P2L1401	12/07/22 02:00	12/08/22 15:14	8270C	SUB-13
Acenaphthene	**0.00091**	0.00011	mg/L	1	P2L1401	12/07/22 02:00	12/07/22 20:27	8270C	SUB-13
Acenaphthylene	**0.0014**	0.00011	mg/L	1	P2L1401	12/07/22 02:00	12/07/22 20:27	8270C	SUB-13
Anthracene	ND	0.00011	mg/L	1	P2L1401	12/07/22 02:00	12/07/22 20:27	8270C	SUB-13
Benzo (a) anthracene	ND	0.00011	mg/L	1	P2L1401	12/07/22 02:00	12/07/22 20:27	8270C	SUB-13
Benzo (a) pyrene	ND	0.00011	mg/L	1	P2L1401	12/07/22 02:00	12/07/22 20:27	8270C	SUB-13
Benzo (b) fluoranthene	ND	0.00011	mg/L	1	P2L1401	12/07/22 02:00	12/07/22 20:27	8270C	SUB-13
Benzo (g,h,i) perylene	ND	0.00011	mg/L	1	P2L1401	12/07/22 02:00	12/07/22 20:27	8270C	SUB-13
Benzo (k) fluoranthene	ND	0.00011	mg/L	1	P2L1401	12/07/22 02:00	12/07/22 20:27	8270C	SUB-13
Chrysene	**0.00099**	0.00011	mg/L	1	P2L1401	12/07/22 02:00	12/07/22 20:27	8270C	SUB-13
Dibenzo (a,h) anthracene	ND	0.00011	mg/L	1	P2L1401	12/07/22 02:00	12/07/22 20:27	8270C	SUB-13
Fluoranthene	ND	0.00011	mg/L	1	P2L1401	12/07/22 02:00	12/07/22 20:27	8270C	SUB-13
Fluorene	**0.0073**	0.00011	mg/L	1	P2L1401	12/07/22 02:00	12/07/22 20:27	8270C	SUB-13
Indeno (1,2,3-cd) pyrene	ND	0.00011	mg/L	1	P2L1401	12/07/22 02:00	12/07/22 20:27	8270C	SUB-13
Naphthalene	**0.021**	0.0011	mg/L	10	P2L1401	12/07/22 02:00	12/08/22 15:14	8270C	SUB-13
Phenanthrene	**0.0054**	0.0011	mg/L	10	P2L1401	12/07/22 02:00	12/08/22 15:14	8270C	SUB-13
Pyrene	ND	0.00011	mg/L	1	P2L1401	12/07/22 02:00	12/07/22 20:27	8270C	SUB-13

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MW-6

2L02008-06 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	**0.277**	0.00100	mg/L	1	P2L0201	12/02/22 10:59	12/02/22 19:00	EPA 8021B	
Toluene	**0.0102**	0.00100	mg/L	1	P2L0201	12/02/22 10:59	12/02/22 19:00	EPA 8021B	
Ethylbenzene	**0.398**	0.00100	mg/L	1	P2L0201	12/02/22 10:59	12/02/22 19:00	EPA 8021B	
Xylene (p/m)	**0.356**	0.00200	mg/L	1	P2L0201	12/02/22 10:59	12/02/22 19:00	EPA 8021B	
Xylene (o)	**0.0208**	0.00100	mg/L	1	P2L0201	12/02/22 10:59	12/02/22 19:00	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*103 %*	*80-120*		*P2L0201*	*12/02/22 10:59*	*12/02/22 19:00*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*89.0 %*	*80-120*		*P2L0201*	*12/02/22 10:59*	*12/02/22 19:00*	*EPA 8021B*	
Ethane	ND	0.00100	mg/L	1	P2L1401	12/09/22 12:46	12/09/22 13:50	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2L1401	12/09/22 12:46	12/09/22 13:50	8015M	SUB-13
Methane	**0.337**	0.0100	mg/L	20	P2L1401	12/09/22 12:46	12/09/22 14:33	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Chemical Oxygen Demand	**110**	2.00	mg/L	1	P2L1201	12/12/22 08:27	12/12/22 14:45	8000	QAL1
Nitrate as N	**0.652**	0.200	mg/L	1	P2L0207	12/02/22 16:40	12/02/22 21:22	EPA 300.0	
Sulfate	**70.8**	1.00	mg/L	1	P2L0207	12/02/22 16:40	12/02/22 21:22	EPA 300.0	
Total Organic Carbon	**17.4**	10.0	mg/L	10	P2L1401	12/10/22 18:08	12/10/22 18:08	EPA 415.1	SUB-13
Dissolved Metals by EPA / Standard Methods									
Iron	ND	0.200	mg/L	1	P2L0204	12/02/22 12:14	12/02/22 14:56	EPA 6010B	
Manganese	**0.00808**	0.100	mg/L	1	P2L0204	12/02/22 12:14	12/02/22 14:56	EPA 6010B	J
PAH compounds by Semivolatile GCMS									
1-Methylnaphthalene	**0.17**	0.010	mg/L	100	P2L1401	12/07/22 02:00	12/08/22 15:55	8270C	SUB-13
2-Methylnaphthalene	**0.16**	0.010	mg/L	100	P2L1401	12/07/22 02:00	12/08/22 15:55	8270C	SUB-13
Acenaphthene	**0.00057**	0.00010	mg/L	1	P2L1401	12/07/22 02:00	12/07/22 20:47	8270C	SUB-13
Acenaphthylene	**0.0025**	0.00010	mg/L	1	P2L1401	12/07/22 02:00	12/07/22 20:47	8270C	SUB-13
Anthracene	ND	0.00010	mg/L	1	P2L1401	12/07/22 02:00	12/07/22 20:47	8270C	SUB-13
Benzo (a) anthracene	ND	0.00010	mg/L	1	P2L1401	12/07/22 02:00	12/07/22 20:47	8270C	SUB-13
Benzo (a) pyrene	ND	0.00010	mg/L	1	P2L1401	12/07/22 02:00	12/07/22 20:47	8270C	SUB-13
Benzo (b) fluoranthene	ND	0.00010	mg/L	1	P2L1401	12/07/22 02:00	12/07/22 20:47	8270C	SUB-13
Benzo (g,h,i) perylene	ND	0.00010	mg/L	1	P2L1401	12/07/22 02:00	12/07/22 20:47	8270C	SUB-13
Benzo (k) fluoranthene	ND	0.00010	mg/L	1	P2L1401	12/07/22 02:00	12/07/22 20:47	8270C	SUB-13
Chrysene	**0.0030**	0.00010	mg/L	1	P2L1401	12/07/22 02:00	12/07/22 20:47	8270C	SUB-13
Dibenzo (a,h) anthracene	ND	0.00010	mg/L	1	P2L1401	12/07/22 02:00	12/07/22 20:47	8270C	SUB-13
Fluoranthene	**0.0015**	0.00010	mg/L	1	P2L1401	12/07/22 02:00	12/07/22 20:47	8270C	SUB-13
Fluorene	**0.019**	0.0010	mg/L	10	P2L1401	12/07/22 02:00	12/07/22 20:47	8270C	SUB-13
Indeno (1,2,3-cd) pyrene	ND	0.00010	mg/L	1	P2L1401	12/07/22 02:00	12/07/22 20:47	8270C	SUB-13
Naphthalene	**0.076**	0.0010	mg/L	10	P2L1401	12/07/22 02:00	12/07/22 20:47	8270C	SUB-13
Phenanthrene	**0.024**	0.0010	mg/L	10	P2L1401	12/07/22 02:00	12/07/22 20:47	8270C	SUB-13
Pyrene	ND	0.00010	mg/L	1	P2L1401	12/07/22 02:00	12/07/22 20:47	8270C	SUB-13

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Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2L0201 - * DEFAULT PREP *** **										
Blank (P2L0201-BLK1)				Prepared & Analyzed: 12/02/22						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	*0.125*		*"*	*0.120*		*105*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.108*		*"*	*0.120*		*89.8*	*80-120*			
LCS (P2L0201-BS1)				Prepared & Analyzed: 12/02/22						
Benzene	0.0983	0.00100	mg/L	0.100		98.3	80-120			
Toluene	0.0995	0.00100	"	0.100		99.5	80-120			
Ethylbenzene	0.109	0.00100	"	0.100		109	80-120			
Xylene (p/m)	0.211	0.00200	"	0.200		105	80-120			
Xylene (o)	0.0905	0.00100	"	0.100		90.5	80-120			
Surrogate: 4-Bromofluorobenzene	*0.133*		*"*	*0.120*		*111*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*97.0*	*80-120*			
LCS Dup (P2L0201-BSD1)				Prepared & Analyzed: 12/02/22						
Benzene	0.0961	0.00100	mg/L	0.100		96.1	80-120	2.27	20	
Toluene	0.0990	0.00100	"	0.100		99.0	80-120	0.473	20	
Ethylbenzene	0.110	0.00100	"	0.100		110	80-120	1.53	20	
Xylene (p/m)	0.216	0.00200	"	0.200		108	80-120	2.34	20	
Xylene (o)	0.0913	0.00100	"	0.100		91.3	80-120	0.869	20	
Surrogate: 4-Bromofluorobenzene	*0.139*		*"*	*0.120*		*116*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.118*		*"*	*0.120*		*98.0*	*80-120*			
Calibration Blank (P2L0201-CCB1)				Prepared & Analyzed: 12/02/22						
Benzene	0.0400		ug/l							
Toluene	0.390		"							
Ethylbenzene	0.380		"							
Xylene (p/m)	0.930		"							
Xylene (o)	0.420		"							
Surrogate: 4-Bromofluorobenzene	*0.124*		*"*	*0.120*		*103*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.107*		*"*	*0.120*		*89.4*	*80-120*			

TRC Solutions- Midland, Texas	Project: HDO 90-23_MNA
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Midland TX, 79705	Project Manager: Curt Stanley

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2L0201 - * DEFAULT PREP *** **										
Calibration Blank (P2L0201-CCB2)				Prepared & Analyzed: 12/02/22						
Benzene	0.190		ug/l							
Toluene	0.110		"							
Ethylbenzene	0.250		"							
Xylene (p/m)	0.600		"							
Xylene (o)	0.280		"							
Surrogate: 4-Bromofluorobenzene	*0.131*		*"*	*0.120*		*109*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.103*		*"*	*0.120*		*86.0*	*80-120*			
Calibration Blank (P2L0201-CCB3)				Prepared & Analyzed: 12/02/22						
Benzene	0.210		ug/l							
Toluene	0.270		"							
Ethylbenzene	0.460		"							
Xylene (p/m)	1.01		"							
Xylene (o)	0.440		"							
Surrogate: 4-Bromofluorobenzene	*0.122*		*"*	*0.120*		*102*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.110*		*"*	*0.120*		*91.5*	*80-120*			
Calibration Check (P2L0201-CCV1)				Prepared & Analyzed: 12/02/22						
Benzene	0.108	0.00100	mg/L	0.100		108	80-120			
Toluene	0.107	0.00100	"	0.100		107	80-120			
Ethylbenzene	0.107	0.00100	"	0.100		107	80-120			
Xylene (p/m)	0.223	0.00200	"	0.200		112	80-120			
Xylene (o)	0.0963	0.00100	"	0.100		96.3	80-120			
Surrogate: 4-Bromofluorobenzene	*0.128*		*"*	*0.120*		*106*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*96.0*	*80-120*			
Calibration Check (P2L0201-CCV2)				Prepared & Analyzed: 12/02/22						
Benzene	0.0933	0.00100	mg/L	0.100		93.3	80-120			
Toluene	0.0997	0.00100	"	0.100		99.7	80-120			
Ethylbenzene	0.103	0.00100	"	0.100		103	80-120			
Xylene (p/m)	0.216	0.00200	"	0.200		108	80-120			
Xylene (o)	0.0922	0.00100	"	0.100		92.2	80-120			
Surrogate: 4-Bromofluorobenzene	*0.141*		*"*	*0.120*		*118*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.112*		*"*	*0.120*		*92.9*	*80-120*			

TRC Solutions- Midland, Texas	Project: HDO 90-23_MNA
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Midland TX, 79705	Project Manager: Curt Stanley

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2L0201 - * DEFAULT PREP *** **										
Calibration Check (P2L0201-CCV3)				Prepared & Analyzed: 12/02/22						
Benzene	0.101	0.00100	mg/L	0.100		101	80-120			
Toluene	0.0953	0.00100	"	0.100		95.3	80-120			
Ethylbenzene	0.0946	0.00100	"	0.100		94.6	80-120			
Xylene (p/m)	0.196	0.00200	"	0.200		98.0	80-120			
Xylene (o)	0.0849	0.00100	"	0.100		84.9	80-120			
Surrogate: 4-Bromofluorobenzene	*0.130*		*"*	*0.120*		*108*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*95.7*	*80-120*			
Matrix Spike (P2L0201-MS1)		**Source: 2K30004-01**		Prepared & Analyzed: 12/02/22						
Benzene	0.0989	0.00100	mg/L	0.100	ND	98.9	80-120			
Toluene	0.0938	0.00100	"	0.100	ND	93.8	80-120			
Ethylbenzene	0.104	0.00100	"	0.100	ND	104	80-120			
Xylene (p/m)	0.196	0.00200	"	0.200	ND	97.9	80-120			
Xylene (o)	0.0811	0.00100	"	0.100	ND	81.1	80-120			
Surrogate: 4-Bromofluorobenzene	*0.137*		*"*	*0.120*		*114*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.120*		*"*	*0.120*		*100*	*80-120*			
Matrix Spike Dup (P2L0201-MSD1)		**Source: 2K30004-01**		Prepared & Analyzed: 12/02/22						
Benzene	0.0938	0.00100	mg/L	0.100	ND	93.8	80-120	5.34	20	
Toluene	0.0881	0.00100	"	0.100	ND	88.1	80-120	6.34	20	
Ethylbenzene	0.0965	0.00100	"	0.100	ND	96.5	80-120	7.71	20	
Xylene (p/m)	0.186	0.00200	"	0.200	ND	92.8	80-120	5.39	20	
Xylene (o)	0.0758	0.00100	"	0.100	ND	75.8	80-120	6.75	20	QM-05
Surrogate: 4-Bromofluorobenzene	*0.136*		*"*	*0.120*		*113*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*96.2*	*80-120*			

TRC Solutions- Midland, Texas	Project: HDO 90-23_MNA
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Midland TX, 79705	Project Manager: Curt Stanley

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2L0207 - * DEFAULT PREP *** **										
Blank (P2L0207-BLK1)				Prepared & Analyzed: 12/02/22						
Nitrate as N	ND	0.200	mg/L							
Sulfate	ND	1.00	"							
LCS (P2L0207-BS1)				Prepared & Analyzed: 12/02/22						
Sulfate	20.6		mg/L	20.0		103	90-110			
Nitrate as N	1.90		"	2.00		95.1	90-110			
LCS Dup (P2L0207-BSD1)				Prepared & Analyzed: 12/02/22						
Nitrate as N	1.91		mg/L	2.00		95.4	90-110	0.263	10	
Sulfate	20.7		"	20.0		103	90-110	0.189	10	
Calibration Blank (P2L0207-CCB1)				Prepared & Analyzed: 12/02/22						
Sulfate	0.00		mg/L							
Nitrate as N	0.00		"							
Calibration Check (P2L0207-CCV1)				Prepared & Analyzed: 12/02/22						
Sulfate	20.4		mg/L	20.0		102	90-110			
Nitrate as N	1.86		"	2.00		93.0	90-110			
Calibration Check (P2L0207-CCV2)				Prepared & Analyzed: 12/02/22						
Sulfate	20.4		mg/L	20.0		102	90-110			
Nitrate as N	1.86		"	2.00		93.1	90-110			
Matrix Spike (P2L0207-MS1)		**Source: 2L02008-01**		Prepared & Analyzed: 12/02/22						
Nitrate as N	1.31	0.200	mg/L	0.200	1.10	104	80-120			
Sulfate	76.3	1.00	"	2.00	75.2	56.3	80-120			QM-05
Matrix Spike Dup (P2L0207-MSD1)		**Source: 2L02008-01**		Prepared & Analyzed: 12/02/22						
Sulfate	76.4	1.00	mg/L	2.00	75.2	62.4	80-120	0.158	20	QM-05
Nitrate as N	1.32	0.200	"	0.200	1.10	109	80-120	0.762	20	

TRC Solutions- Midland, Texas	Project: HDO 90-23_MNA
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Midland TX, 79705	Project Manager: Curt Stanley

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2L1201 - * DEFAULT PREP *** **										
Blank (P2L1201-BLK1)				Prepared & Analyzed: 12/12/22						
Chemical Oxygen Demand	ND	2.00	mg/L							QAL1
LCS (P2L1201-BS1)				Prepared & Analyzed: 12/12/22						
Chemical Oxygen Demand	95.0	2.00	mg/L	100		95.0	80-120			QAL1
LCS Dup (P2L1201-BSD1)				Prepared & Analyzed: 12/12/22						
Chemical Oxygen Demand	102	2.00	mg/L	100		102	80-120	7.11	20	QAL1
Calibration Blank (P2L1201-CCB1)				Prepared & Analyzed: 12/12/22						
Chemical Oxygen Demand	0.00		mg/L							QAL1
Calibration Check (P2L1201-CCV1)				Prepared & Analyzed: 12/12/22						
Chemical Oxygen Demand	96.0	2.00	mg/L				80-120			QAL1
Calibration Check (P2L1201-CCV2)				Prepared & Analyzed: 12/12/22						
Chemical Oxygen Demand	96.0	2.00	mg/L				80-120			QAL1
Calibration Check (P2L1201-CCV3)				Prepared & Analyzed: 12/12/22						
Chemical Oxygen Demand	ND	2.00	mg/L				80-120			QAL1
Duplicate (P2L1201-DUP1)		**Source: 2K30004-01**		Prepared & Analyzed: 12/12/22						
Chemical Oxygen Demand	ND	2.00	mg/L		ND				20	QAL1
Duplicate (P2L1201-DUP2)		**Source: 2L02008-01**		Prepared & Analyzed: 12/12/22						
Chemical Oxygen Demand	ND	2.00	mg/L		ND				20	QAL1
Matrix Spike (P2L1201-MS1)		**Source: 2K30004-01**		Prepared & Analyzed: 12/12/22						
Chemical Oxygen Demand	106	2.00	mg/L	100	ND	106	80-120			QAL1

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: Curt Stanley

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2L1201 - * DEFAULT PREP *** **										
Matrix Spike (P2L1201-MS2)	**Source: 2L02008-01**			Prepared & Analyzed: 12/12/22						
Chemical Oxygen Demand	107	2.00	mg/L	100	ND	107	80-120			QAL1
Matrix Spike Dup (P2L1201-MSD1)	**Source: 2K30004-01**			Prepared & Analyzed: 12/12/22						
Chemical Oxygen Demand	107	2.00	mg/L	100	ND	107	80-120	0.939	20	QAL1
Matrix Spike Dup (P2L1201-MSD2)	**Source: 2L02008-01**			Prepared & Analyzed: 12/12/22						
Chemical Oxygen Demand	107	2.00	mg/L	100	ND	107	80-120	0.00	20	QAL1

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: Curt Stanley

Dissolved Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2L0204 - * DEFAULT PREP *** **										
Blank (P2L0204-BLK1)				Prepared & Analyzed: 12/02/22						
Manganese	0.000307	0.100	mg/L							J
Iron	ND	0.200	"							
LCS (P2L0204-BS1)				Prepared & Analyzed: 12/02/22						
Manganese	0.225	0.100	mg/L	0.200		112	80-120			
Iron	0.386	0.200	"	0.400		96.6	80-120			
LCS Dup (P2L0204-BSD1)				Prepared & Analyzed: 12/02/22						
Manganese	0.218	0.100	mg/L	0.200		109	80-120	2.98	20	
Iron	0.376	0.200	"	0.400		94.1	80-120	2.61	20	
Calibration Blank (P2L0204-CCB1)				Prepared & Analyzed: 12/02/22						
Manganese	0.000320		mg/L							J
Iron	0.00441		"							
Calibration Blank (P2L0204-CCB2)				Prepared & Analyzed: 12/02/22						
Manganese	0.000344		mg/L							J
Iron	0.00383		"							
Calibration Blank (P2L0204-CCB3)				Prepared & Analyzed: 12/02/22						
Iron	0.00340		mg/L							
Manganese	0.000300		"							J
Calibration Check (P2L0204-CCV1)				Prepared & Analyzed: 12/02/22						
Manganese	0.227	0.100	mg/L	0.200		114	80-120			
Iron	0.373	0.200	"	0.400		93.1	80-120			
Calibration Check (P2L0204-CCV2)				Prepared & Analyzed: 12/02/22						
Manganese	0.225	0.100	mg/L	0.200		112	80-120			
Iron	0.416	0.200	"	0.400		104	80-120			

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: Curt Stanley

Dissolved Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2L0204 - * DEFAULT PREP *** **										
Calibration Check (P2L0204-CCV3)				Prepared & Analyzed: 12/02/22						
Manganese	0.218	0.100	mg/L	0.200		109	80-120			
Iron	0.425	0.200	"	0.400		106	80-120			
Matrix Spike (P2L0204-MS1)	**Source: 2K16005-01**			Prepared & Analyzed: 12/02/22						
Manganese	0.196	0.100	mg/L	0.200	0.00178	97.2	75-125			
Iron	0.486	0.200	"	0.400	0.0388	112	75-125			
Matrix Spike Dup (P2L0204-MSD1)	**Source: 2K16005-01**			Prepared & Analyzed: 12/02/22						
Manganese	0.204	0.100	mg/L	0.200	0.00178	101	75-125	3.63	20	
Iron	0.494	0.200	"	0.400	0.0388	114	75-125	1.56	20	

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: Curt Stanley

Notes and Definitions

SUB-13	Subcontract of analyte/analysis to ALS Houston.
ROI	Received on Ice
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
QAL1	The Laboratory is not TNI Certified for this analyte or analysis.
pH1	The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.
NPBEL C(	Chain of Custody was not generated at PBELAB
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 12/14/2022

Brent Barron, Laboratory Director/Technical Director

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: Curt Stanley

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-661-4184

Project Manager: Curt Stanley

Company Name: TRC Environmental Corporation

Company Address: 10 Desta Drive, Ste 130E

City/State/Zip: Midland/TX/79705

Telephone No: (432)5207720 Fax No:

Sampler Signature:

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

Project Name: TNM HDO 90-23

Project #: SRS TNM HDO 90-23

Project Loc: Lea County, NM

PO #:

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

(lab use only)
ORDER #: 2L0220008

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered (1-250 NHO_3)	Total #. of Containers	Preservation & # of Containers: Ice	HNO_3 (1-250mL)	HCl (6 VOA + 1-250 mL)	H_2SO_4 (1-250 mL)	NaOH	$Na_2S_2O_3$	None (3 Amber VOA)	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP:	TOTAL: X	TOC MW 5310	Dissolved Methane, Ethane, and Ethene by RSK-175	Total Dissolved Metals (Fe amd Mn) by SW 6010	Nitrate and Sulfate by E300	COD by SM 5310	Total BTEX by 8260	PAH by 8270	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.D.R.M.	Chlorides E 300	Paint Filter	TCLP Benzene	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	MW-17			12-1-22	1122	1	9	X	1	7	1					GW			X	X	X	X	X	X										X
2	MW-9				1210	1	9	X	1	7	1					GW			X	X	X	X	X	X										X
3	RW-2				1335	1	9	X	1	7	1					GW			X	X	X	X	X	X										X
4	MW-3				1415	1	9	X	1	7	1					GW			X	X	X	X	X	X										X
5	MW-2				1515	1	18	X	1	7	1			X		GW			X	X	X	X	X	X	X									X
6	MW-6				1610	1	12	X	1	7	1			X		GW			X	X	X	X	X	X	X									X

Special Instructions:
Bill to Plains

Relinquished by:	Date	Time	Received by:	Date	Time
Manny	12-2-22	900			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL: Tina Bledroe	12/2/22	9:00

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 1.9 °C
Adjusted: 2.9 °C Factor CF+1

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235

PBELAB_SUB_COC_V2

Project Manager: Brent Barron

Project Name: SUBCONTRACT

Company Name: PBEL

Project #:

Company Address: 1400 Rankin HWY

Project Loc:

City/State/Zip: Midland Texas 79701

PO #:

Telephone No: 432-661-4184

Fax No:

Report Format: X Standard ☐ TRRP ☐ NPDES

Sampler Signature: N/A

e-mail: brentbarron@pbelab.com

(lab use only)

ORDER #:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: ICE	HNO_3 250 poly 1	HCl 3 40mL VOA	H_2SO_4 1 AMBER 500/250POLY	NaOH /Ascorbic Acid 250ML P	$Na_2S_2O_3$	NONE	NONE 3 AMBER VOAA VIALS	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: RSK SOP-175	TOC-415.1	8270C PAH LL	48 HOUR RUSH	STANDARD
	2L02008-01			12/1/2022	11:22		4	X		X	X					W	X	X			X
	2L02008-02			12/1/2022	12:10		4	X		X	X					W	X	X			X
	2L02008-03			12/1/2022	13:35		4	X		X	X					W	X	X			X
	2L02008-04			12/1/2022	14:15		4	X		X	X					W	X	X			X
	2L02008-05			12/1/2022	15:15		7	X		X	X				X	W	X	X	X		X
	2L02008-06			12/1/2022	16:10		7	X		X	X				X	W	X	X	X		X

SPECIAL INSTRUCTIONS:

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

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

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

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

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

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

December 13, 2022

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

Work Order: **HS22120297**

Laboratory Results for: **2L02008**

Dear Brent Barron,

ALS Environmental received 6 sample(s) on Dec 06, 2022 for the analysis presented in the following report.

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

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

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

Sincerely,

Generated By: JUMOKE.LAWAL
Anna Kinchen
Project Manager

ALS Houston, US Date: 13-Dec-22

Client: Permian Basin Environmental Lab, LP
Project: 2L02008
Work Order: HS22120297

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS22120297-01	2L02008-01	Water		01-Dec-2022 11:22	06-Dec-2022 09:30	☐
HS22120297-02	2L02008-02	Water		01-Dec-2022 12:10	06-Dec-2022 09:30	☐
HS22120297-03	2L02008-03	Water		01-Dec-2022 13:35	06-Dec-2022 09:30	☐
HS22120297-04	2L02008-04	Water		01-Dec-2022 14:15	06-Dec-2022 09:30	☐
HS22120297-05	2L02008-05	Water		01-Dec-2022 15:15	06-Dec-2022 09:30	☐
HS22120297-06	2L02008-06	Water		01-Dec-2022 16:10	06-Dec-2022 09:30	☐

ALS Houston, US Date: 13-Dec-22

Client: Permian Basin Environmental Lab, LP **CASE NARRATIVE**
Project: 2L02008
Work Order: HS22120297

GC Semivolatiles by Method RSK-175

Batch ID: R423717

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

GCMS Semivolatiles by Method SW8270

Batch ID: 187083

Sample ID: 2L02008-06 (HS22120297-06)

- Surrogate recoveries were outside of the control limits due to matrix interference.
- The surrogate recoveries could not be determined due to dilution below the calibration range.

WetChemistry by Method E415.1

Batch ID: R423720

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

ALS Houston, US Date: 13-Dec-22

Client: Permian Basin Environmental Lab, LP
Project: 2L02008
Sample ID: 2L02008-01
Collection Date: 01-Dec-2022 11:22

ANALYTICAL REPORT
WorkOrder:HS22120297
Lab ID:HS22120297-01
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		**Method:RSK-175**				Analyst: PPM
Ethane	ND		1.00	ug/L	1	09-Dec-2022 12:46
Ethene	ND		1.00	ug/L	1	09-Dec-2022 12:46
Methane	**0.810**		**0.500**	**ug/L**	1	09-Dec-2022 12:46
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: JAC
Organic Carbon, Total	**1.30**		**1.00**	**mg/L**	1	10-Dec-2022 16:35

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

ALS Houston, US Date: 13-Dec-22

Client: Permian Basin Environmental Lab, LP
Project: 2L02008
Sample ID: 2L02008-02
Collection Date: 01-Dec-2022 12:10

ANALYTICAL REPORT
WorkOrder:HS22120297
Lab ID:HS22120297-02
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		**Method:RSK-175**				Analyst: PPM
Ethane	ND		1.00	ug/L	1	09-Dec-2022 12:55
Ethene	ND		1.00	ug/L	1	09-Dec-2022 12:55
Methane	**1.01**		**0.500**	**ug/L**	1	09-Dec-2022 12:55
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: JAC
Organic Carbon, Total	**2.56**		**1.00**	**mg/L**	1	10-Dec-2022 16:47

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

ALS Houston, US Date: 13-Dec-22

Client: Permian Basin Environmental Lab, LP
Project: 2L02008
Sample ID: 2L02008-03
Collection Date: 01-Dec-2022 13:35

ANALYTICAL REPORT
WorkOrder:HS22120297
Lab ID:HS22120297-03
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		**Method:RSK-175**				Analyst: PPM
Ethane	ND		1.00	ug/L	1	09-Dec-2022 13:10
Ethene	ND		1.00	ug/L	1	09-Dec-2022 13:10
Methane	**1.30**		**0.500**	**ug/L**	1	09-Dec-2022 13:10
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: JAC
Organic Carbon, Total	**4.47**		**1.00**	**mg/L**	1	10-Dec-2022 17:00

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

ALS Houston, US Date: 13-Dec-22

Client: Permian Basin Environmental Lab, LP
Project: 2L02008
Sample ID: 2L02008-04
Collection Date: 01-Dec-2022 14:15

ANALYTICAL REPORT
WorkOrder:HS22120297
Lab ID:HS22120297-04
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		**Method:RSK-175**				Analyst: PPM
Ethane	**4.44**		**1.00**	**ug/L**	1	09-Dec-2022 13:27
Ethene	ND		1.00	ug/L	1	09-Dec-2022 13:27
Methane	**1,500**		**50.0**	**ug/L**	100	09-Dec-2022 14:09
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: JAC
Organic Carbon, Total	**22.3**		**1.00**	**mg/L**	1	10-Dec-2022 17:42

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

ALS Houston, US Date: 13-Dec-22

Client: Permian Basin Environmental Lab, LP
Project: 2L02008
Sample ID: 2L02008-05
Collection Date: 01-Dec-2022 15:15

ANALYTICAL REPORT
WorkOrder:HS22120297
Lab ID:HS22120297-05
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL PAHS - 8270D		**Method:SW8270**		Prep:SW3511 / 07-Dec-2022		Analyst: MBG
1-Methylnaphthalene	**36.9**	n	**1.06**	**ug/L**	10	08-Dec-2022 15:14
2-Methylnaphthalene	**29.3**		**1.06**	**ug/L**	10	08-Dec-2022 15:14
Acenaphthene	**0.914**		**0.106**	**ug/L**	1	07-Dec-2022 20:27
Acenaphthylene	**1.38**		**0.106**	**ug/L**	1	07-Dec-2022 20:27
Anthracene	ND		0.106	ug/L	1	07-Dec-2022 20:27
Benz(a)anthracene	ND		0.106	ug/L	1	07-Dec-2022 20:27
Benzo(a)pyrene	ND		0.106	ug/L	1	07-Dec-2022 20:27
Benzo(b)fluoranthene	ND		0.106	ug/L	1	07-Dec-2022 20:27
Benzo(g,h,i)perylene	ND		0.106	ug/L	1	07-Dec-2022 20:27
Benzo(k)fluoranthene	ND		0.106	ug/L	1	07-Dec-2022 20:27
Chrysene	**0.993**		**0.106**	**ug/L**	1	07-Dec-2022 20:27
Dibenz(a,h)anthracene	ND		0.106	ug/L	1	07-Dec-2022 20:27
Fluoranthene	ND		0.106	ug/L	1	07-Dec-2022 20:27
Fluorene	**7.27**		**0.106**	**ug/L**	1	07-Dec-2022 20:27
Indeno(1,2,3-cd)pyrene	ND		0.106	ug/L	1	07-Dec-2022 20:27
Naphthalene	**21.3**		**1.06**	**ug/L**	10	08-Dec-2022 15:14
Phenanthrene	**5.36**		**1.06**	**ug/L**	10	08-Dec-2022 15:14
Pyrene	ND		0.106	ug/L	1	07-Dec-2022 20:27
Surr: 2-Fluorobiphenyl	*88.2*		*32-130*	*%REC*	*10*	*08-Dec-2022 15:14*
Surr: 2-Fluorobiphenyl	*129*		*32-130*	*%REC*	*1*	*07-Dec-2022 20:27*
Surr: 4-Terphenyl-d14	*114*		*40-135*	*%REC*	*1*	*07-Dec-2022 20:27*
Surr: 4-Terphenyl-d14	*89.3*		*40-135*	*%REC*	*10*	*08-Dec-2022 15:14*
Surr: Nitrobenzene-d5	*65.0*		*45-142*	*%REC*	*10*	*08-Dec-2022 15:14*
Surr: Nitrobenzene-d5	*119*		*45-142*	*%REC*	*1*	*07-Dec-2022 20:27*
DISSOLVED GASES BY RSK-175		**Method:RSK-175**				Analyst: PPM
Ethane	**5.77**		**1.00**	**ug/L**	1	09-Dec-2022 13:38
Ethene	ND		1.00	ug/L	1	09-Dec-2022 13:38
Methane	**1,600**		**50.0**	**ug/L**	100	09-Dec-2022 14:24
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: JAC
Organic Carbon, Total	**23.9**		**1.00**	**mg/L**	1	10-Dec-2022 17:56

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

ALS Houston, US Date: 13-Dec-22

Client: Permian Basin Environmental Lab, LP
Project: 2L02008
Sample ID: 2L02008-06
Collection Date: 01-Dec-2022 16:10

ANALYTICAL REPORT
WorkOrder:HS22120297
Lab ID:HS22120297-06
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL PAHS - 8270D		**Method:SW8270**		Prep:SW3511 / 07-Dec-2022		Analyst: MBG
1-Methylnaphthalene	**168**	n	**10.1**	**ug/L**	100	08-Dec-2022 15:55
2-Methylnaphthalene	**155**		**10.1**	**ug/L**	100	08-Dec-2022 15:55
Acenaphthene	**0.566**		**0.101**	**ug/L**	1	07-Dec-2022 20:47
Acenaphthylene	**2.51**		**0.101**	**ug/L**	1	07-Dec-2022 20:47
Anthracene	ND		0.101	ug/L	1	07-Dec-2022 20:47
Benz(a)anthracene	ND		0.101	ug/L	1	07-Dec-2022 20:47
Benzo(a)pyrene	ND		0.101	ug/L	1	07-Dec-2022 20:47
Benzo(b)fluoranthene	ND		0.101	ug/L	1	07-Dec-2022 20:47
Benzo(g,h,i)perylene	ND		0.101	ug/L	1	07-Dec-2022 20:47
Benzo(k)fluoranthene	ND		0.101	ug/L	1	07-Dec-2022 20:47
Chrysene	**2.96**		**0.101**	**ug/L**	1	07-Dec-2022 20:47
Dibenz(a,h)anthracene	ND		0.101	ug/L	1	07-Dec-2022 20:47
Fluoranthene	**1.46**		**0.101**	**ug/L**	1	07-Dec-2022 20:47
Fluorene	**18.5**		**1.01**	**ug/L**	10	08-Dec-2022 15:34
Indeno(1,2,3-cd)pyrene	ND		0.101	ug/L	1	07-Dec-2022 20:47
Naphthalene	**75.8**		**1.01**	**ug/L**	10	08-Dec-2022 15:34
Phenanthrene	**23.6**		**1.01**	**ug/L**	10	08-Dec-2022 15:34
Pyrene	ND		0.101	ug/L	1	07-Dec-2022 20:47
Surr: 2-Fluorobiphenyl	*70.4*		*32-130*	*%REC*	*1*	*07-Dec-2022 20:47*
Surr: 2-Fluorobiphenyl	*111*		*32-130*	*%REC*	*10*	*08-Dec-2022 15:34*
Surr: 2-Fluorobiphenyl	*0*	*JS*	*32-130*	*%REC*	*100*	*08-Dec-2022 15:55*
Surr: 4-Terphenyl-d14	*118*		*40-135*	*%REC*	*10*	*08-Dec-2022 15:34*
Surr: 4-Terphenyl-d14	*0*	*JS*	*40-135*	*%REC*	*100*	*08-Dec-2022 15:55*
Surr: 4-Terphenyl-d14	*112*		*40-135*	*%REC*	*1*	*07-Dec-2022 20:47*
Surr: Nitrobenzene-d5	*201*	*S*	*45-142*	*%REC*	*1*	*07-Dec-2022 20:47*
Surr: Nitrobenzene-d5	*182*	*S*	*45-142*	*%REC*	*10*	*08-Dec-2022 15:34*
Surr: Nitrobenzene-d5	*0*	*JS*	*45-142*	*%REC*	*100*	*08-Dec-2022 15:55*
DISSOLVED GASES BY RSK-175		**Method:RSK-175**				Analyst: PPM
Ethane	ND		1.00	ug/L	1	09-Dec-2022 13:50
Ethene	ND		1.00	ug/L	1	09-Dec-2022 13:50
Methane	**337**		**10.0**	**ug/L**	20	09-Dec-2022 14:33
TOTAL ORGANIC CARBON BY E415.1		**Method:E415.1**				Analyst: JAC
Organic Carbon, Total	**17.4**		**10.0**	**mg/L**	10	10-Dec-2022 18:08

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

ALS Houston, US

Date: 13-Dec-22

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: 2L02008
WorkOrder: HS22120297

Batch ID: 187083 **Start Date:** 07 Dec 2022 02:00 **End Date:** 07 Dec 2022 15:30
Method: SW3511 **Prep Code:** 3511_PAH

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS22120297-05		31.22 (mL)	2 (mL)	0.06406	40 mL Amber
HS22120297-06		32.63 (mL)	2 (mL)	0.06129	40 mL Amber

ALS Houston, US Date: 13-Dec-22

Client: Permian Basin Environmental Lab, LP
Project: 2L02008
WorkOrder: HS22120297

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 187083 (0)	**Test Name :** LOW-LEVEL PAHS - 8270D				**Matrix:** Water	
HS22120297-05	2L02008-05	01 Dec 2022 15:15		07 Dec 2022 02:00	08 Dec 2022 15:14	10
HS22120297-05	2L02008-05	01 Dec 2022 15:15		07 Dec 2022 02:00	07 Dec 2022 20:27	1
HS22120297-06	2L02008-06	01 Dec 2022 16:10		07 Dec 2022 02:00	08 Dec 2022 15:55	100
HS22120297-06	2L02008-06	01 Dec 2022 16:10		07 Dec 2022 02:00	08 Dec 2022 15:34	10
HS22120297-06	2L02008-06	01 Dec 2022 16:10		07 Dec 2022 02:00	07 Dec 2022 20:47	1
Batch ID: R423717 (0)	**Test Name :** DISSOLVED GASES BY RSK-175				**Matrix:** Water	
HS22120297-01	2L02008-01	01 Dec 2022 11:22			09 Dec 2022 12:46	1
HS22120297-02	2L02008-02	01 Dec 2022 12:10			09 Dec 2022 12:55	1
HS22120297-03	2L02008-03	01 Dec 2022 13:35			09 Dec 2022 13:10	1
HS22120297-04	2L02008-04	01 Dec 2022 14:15			09 Dec 2022 14:09	100
HS22120297-04	2L02008-04	01 Dec 2022 14:15			09 Dec 2022 13:27	1
HS22120297-05	2L02008-05	01 Dec 2022 15:15			09 Dec 2022 14:24	100
HS22120297-05	2L02008-05	01 Dec 2022 15:15			09 Dec 2022 13:38	1
HS22120297-06	2L02008-06	01 Dec 2022 16:10			09 Dec 2022 14:33	20
HS22120297-06	2L02008-06	01 Dec 2022 16:10			09 Dec 2022 13:50	1
Batch ID: R423720 (0)	**Test Name :** TOTAL ORGANIC CARBON BY E415.1				**Matrix:** Water	
HS22120297-01	2L02008-01	01 Dec 2022 11:22			10 Dec 2022 16:35	1
HS22120297-02	2L02008-02	01 Dec 2022 12:10			10 Dec 2022 16:47	1
HS22120297-03	2L02008-03	01 Dec 2022 13:35			10 Dec 2022 17:00	1
HS22120297-04	2L02008-04	01 Dec 2022 14:15			10 Dec 2022 17:42	1
HS22120297-05	2L02008-05	01 Dec 2022 15:15			10 Dec 2022 17:56	1
HS22120297-06	2L02008-06	01 Dec 2022 16:10			10 Dec 2022 18:08	10

ALS Houston, US Date: 13-Dec-22

Client: Permian Basin Environmental Lab, LP
Project: 2L02008
WorkOrder: HS22120297

QC BATCH REPORT

Batch ID: R423717 (0) **Instrument:** FID-4 **Method:** DISSOLVED GASES BY RSK-175

MBLK Sample ID: **MBLK-221209** Units: **ug/L** Analysis Date: **09-Dec-2022 07:13**
Client ID: Run ID: **FID-4_423717** SeqNo: **7028864** 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-221209** Units: **ug/L** Analysis Date: **09-Dec-2022 07:32**
Client ID: Run ID: **FID-4_423717** SeqNo: **7028865** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ethane	20.67	1.00	18.04	0	115	75 - 125				
Ethene	18.3	1.00	16.8	0	109	75 - 125				
Methane	8.421	0.500	9.647	0	87.3	75 - 125				

LCSD Sample ID: **LCSD-221209** Units: **ug/L** Analysis Date: **09-Dec-2022 07:41**
Client ID: Run ID: **FID-4_423717** SeqNo: **7028866** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ethane	20.13	1.00	18.04	0	112	75 - 125	20.67	2.67	30	
Ethene	18.58	1.00	16.8	0	111	75 - 125	18.3	1.51	30	
Methane	8.921	0.500	9.647	0	92.5	75 - 125	8.421	5.77	30	

DUP Sample ID: **HS22120297-01DUP** Units: **ug/L** Analysis Date: **09-Dec-2022 14:42**
Client ID: **2L02008-01** Run ID: **FID-4_423717** SeqNo: **7028893** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ethane	ND	1.00					0	0	30	
Ethene	ND	1.00					0	0	30	
Methane	0.7969	0.500					0.8103	1.66	30	

The following samples were analyzed in this batch: HS22120297-01 HS22120297-02 HS22120297-03 HS22120297-04 HS22120297-05 HS22120297-06

ALS Houston, US Date: 13-Dec-22

Client: Permian Basin Environmental Lab, LP
Project: 2L02008
WorkOrder: HS22120297

QC BATCH REPORT

Batch ID: 187083 (0) **Instrument: SV-6** **Method: LOW-LEVEL PAHS - 8270D**

MBLK Sample ID: **MBLK-187083** Units: **ug/L** Analysis Date: **07-Dec-2022 19:26**
Client ID: Run ID: **SV-6_423768** SeqNo: **7027298** PrepDate: **07-Dec-2022** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
1-Methylnaphthalene	ND	0.100							
2-Methylnaphthalene	ND	0.100							
Acenaphthene	ND	0.100							
Acenaphthylene	ND	0.100							
Anthracene	ND	0.100							
Benz(a)anthracene	ND	0.100							
Benzo(a)pyrene	ND	0.100							
Benzo(b)fluoranthene	ND	0.100							
Benzo(g,h,i)perylene	ND	0.100							
Benzo(k)fluoranthene	ND	0.100							
Chrysene	ND	0.100							
Dibenz(a,h)anthracene	ND	0.100							
Fluoranthene	ND	0.100							
Fluorene	ND	0.100							
Indeno(1,2,3-cd)pyrene	ND	0.100							
Naphthalene	ND	0.100							
Phenanthrene	ND	0.100							
Pyrene	ND	0.100							
Surr: 2-Fluorobiphenyl	*3.832*	*0.100*	*3.03*	*0*	*126*	*32 - 130*			
Surr: 4-Terphenyl-d14	*4.085*	*0.100*	*3.03*	*0*	*135*	*40 - 135*			
Surr: Nitrobenzene-d5	*2.715*	*0.100*	*3.03*	*0*	*89.6*	*45 - 142*			

ALS Houston, US Date: 13-Dec-22

Client: Permian Basin Environmental Lab, LP
Project: 2L02008
WorkOrder: HS22120297

QC BATCH REPORT

Batch ID: 187083 (0) **Instrument: SV-6** **Method: LOW-LEVEL PAHS - 8270D**

LCS Sample ID: **LCS-187083** Units: **ug/L** Analysis Date: **07-Dec-2022 19:46**
Client ID: Run ID: **SV-6_423768** SeqNo: **7027299** PrepDate: **07-Dec-2022** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	3.58	0.100	3.03	0	118	40 - 140				
2-Methylnaphthalene	3.244	0.100	3.03	0	107	40 - 140				
Acenaphthene	2.772	0.100	3.03	0	91.5	40 - 140				
Acenaphthylene	2.672	0.100	3.03	0	88.2	40 - 140				
Anthracene	3.629	0.100	3.03	0	120	40 - 140				
Benz(a)anthracene	2.773	0.100	3.03	0	91.5	40 - 140				
Benzo(a)pyrene	3.002	0.100	3.03	0	99.1	40 - 140				
Benzo(b)fluoranthene	2.456	0.100	3.03	0	81.1	40 - 140				
Benzo(g,h,i)perylene	2.944	0.100	3.03	0	97.2	40 - 140				
Benzo(k)fluoranthene	3.045	0.100	3.03	0	101	40 - 140				
Chrysene	3.695	0.100	3.03	0	122	40 - 140				
Dibenz(a,h)anthracene	2.722	0.100	3.03	0	89.8	40 - 140				
Fluoranthene	3.046	0.100	3.03	0	101	40 - 140				
Fluorene	2.513	0.100	3.03	0	82.9	40 - 140				
Indeno(1,2,3-cd)pyrene	2.79	0.100	3.03	0	92.1	40 - 140				
Naphthalene	3.75	0.100	3.03	0	124	40 - 140				
Phenanthrene	2.569	0.100	3.03	0	84.8	40 - 140				
Pyrene	3.192	0.100	3.03	0	105	40 - 140				
Surr: 2-Fluorobiphenyl	*3.178*	*0.100*	*3.03*	*0*	*105*	*32 - 130*				
Surr: 4-Terphenyl-d14	*3.348*	*0.100*	*3.03*	*0*	*110*	*40 - 135*				
Surr: Nitrobenzene-d5	*2.539*	*0.100*	*3.03*	*0*	*83.8*	*45 - 142*				

ALS Houston, US Date: 13-Dec-22

Client: Permian Basin Environmental Lab, LP
Project: 2L02008
WorkOrder: HS22120297

QC BATCH REPORT

Batch ID: 187083 (0) **Instrument: SV-6** **Method: LOW-LEVEL PAHS - 8270D**

LCSD Sample ID: **LCSD-187083** Units: **ug/L** Analysis Date: **07-Dec-2022 20:07**
Client ID: Run ID: **SV-6_423768** SeqNo: **7027300** PrepDate: **07-Dec-2022** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	3.734	0.100	3.03	0	123	40 - 140	3.58	4.2	25	
2-Methylnaphthalene	3.264	0.100	3.03	0	108	40 - 140	3.244	0.637	25	
Acenaphthene	2.838	0.100	3.03	0	93.7	40 - 140	2.772	2.36	25	
Acenaphthylene	2.761	0.100	3.03	0	91.1	40 - 140	2.672	3.28	25	
Anthracene	3.66	0.100	3.03	0	121	40 - 140	3.629	0.845	25	
Benz(a)anthracene	2.724	0.100	3.03	0	89.9	40 - 140	2.773	1.79	25	
Benzo(a)pyrene	3.217	0.100	3.03	0	106	40 - 140	3.002	6.89	25	
Benzo(b)fluoranthene	2.814	0.100	3.03	0	92.9	40 - 140	2.456	13.6	25	
Benzo(g,h,i)perylene	3.405	0.100	3.03	0	112	40 - 140	2.944	14.5	25	
Benzo(k)fluoranthene	3.645	0.100	3.03	0	120	40 - 140	3.045	17.9	25	
Chrysene	3.733	0.100	3.03	0	123	40 - 140	3.695	1.02	25	
Dibenz(a,h)anthracene	3.156	0.100	3.03	0	104	40 - 140	2.722	14.8	25	
Fluoranthene	3.357	0.100	3.03	0	111	40 - 140	3.046	9.72	25	
Fluorene	3.024	0.100	3.03	0	99.8	40 - 140	2.513	18.5	25	
Indeno(1,2,3-cd)pyrene	3.139	0.100	3.03	0	104	40 - 140	2.79	11.8	25	
Naphthalene	3.767	0.100	3.03	0	124	40 - 140	3.75	0.464	25	
Phenanthrene	2.699	0.100	3.03	0	89.1	40 - 140	2.569	4.95	25	
Pyrene	3.416	0.100	3.03	0	113	40 - 140	3.192	6.77	25	
Surr: 2-Fluorobiphenyl	*3.255*	*0.100*	*3.03*	*0*	*107*	*32 - 130*	*3.178*	*2.39*	*25*	
Surr: 4-Terphenyl-d14	*3.415*	*0.100*	*3.03*	*0*	*113*	*40 - 135*	*3.348*	*2*	*25*	
Surr: Nitrobenzene-d5	*2.674*	*0.100*	*3.03*	*0*	*88.2*	*45 - 142*	*2.539*	*5.18*	*25*	

The following samples were analyzed in this batch: HS22120297-05 HS22120297-06

ALS Houston, US Date: 13-Dec-22

Client: Permian Basin Environmental Lab, LP
Project: 2L02008
WorkOrder: HS22120297

QC BATCH REPORT

Batch ID: R423720 (0) **Instrument: TOC_04** **Method: TOTAL ORGANIC CARBON BY E415.1**

MBLK Sample ID: **MBLK-12102022** Units: **mg/L** Analysis Date: **10-Dec-2022 15:01**
Client ID: Run ID: **TOC_04_423720** SeqNo: **7026462** 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-12102022** Units: **mg/L** Analysis Date: **10-Dec-2022 15:14**
Client ID: Run ID: **TOC_04_423720** SeqNo: **7026463** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	10.17	1.00	10	0	102	85 - 115				

LCSD Sample ID: **LCSD-12102022** Units: **mg/L** Analysis Date: **10-Dec-2022 15:27**
Client ID: Run ID: **TOC_04_423720** SeqNo: **7026464** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	10.41	1.00	10	0	104	85 - 115	10.17	2.33	20	

MS Sample ID: **HS22120247-02MS** Units: **mg/L** Analysis Date: **10-Dec-2022 15:55**
Client ID: Run ID: **TOC_04_423720** SeqNo: **7026466** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	22.43	1.00	10	10.83	116	80 - 120				

The following samples were analyzed in this batch: HS22120297-01 HS22120297-02 HS22120297-03 HS22120297-04 HS22120297-05 HS22120297-06

ALS Houston, US Date: 13-Dec-22

Client: Permian Basin Environmental Lab, LP
Project: 2L02008
WorkOrder: HS22120297

QUALIFIERS, ACRONYMS, UNITS

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

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

ALS Houston, US Date: 13-Dec-22

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	22-041-0	27-Mar-2023
California	2919 2022-2023	30-Apr-2023
Dept of Defense	L21-682	31-Dec-2023
Florida	E87611-36	30-Jun-2023
Illinois	2000322022-9	09-May-2023
Kansas	E-10352; 2022-2023	31-Jul-2023
Kentucky	123043, 2022-2023	30-Apr-2023
Louisiana	03087, 2022-2023	30-Jun-2023
Maryland	343, 2022-2023	30-Jun-2023
North Carolina	624-2022	31-Dec-2022
North Dakota	R-193 2022-2023	30-Apr-2023
Oklahoma	2022-141	31-Aug-2023
Texas	T104704231-22-29	30-Apr-2023
Utah	TX026932022-13	31-Jul-2023

ALS Houston, US Date: 13-Dec-22

Sample Receipt Checklist

Work Order ID: HS22120297 **Date/Time Received:** 06-Dec-2022 09:30

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

Completed By: /S/ Corey Grandits (eSignature) 06-Dec-2022 14:04 (Date/Time) **Reviewed by:** (eSignature) (Date/Time)

Matrices: W Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	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):	4.0UC/3.5C	IR31
Cooler(s)/Kit(s):	Lg Red	
Date/Time sample(s) sent to storage:	12/6/2022	

Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☑	N/A ☐
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmer
1400 Rankin HWY
Midland, Texas 79701

HS22120297

Permian Basin Environmental Lab, LP
2L02008

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 Loc:
PO #:
Report Format: X Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: ICE	HNO_3 250 poly 1	HCl 3 40mL VOA	H_2SO_4 1 AMBER 500/250POLY	NaOH /Ascorbic Acid 250ML P	$Na_2S_2O_3$	NONE	NONE 3 AMBER VOAA VIALS	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: RSK SOP:175	TOC-415.1	8270C PAH LL	48 HOUR RUSH	STANDARD
	2L02008-01			12/1/2022	11:22		4	X		X	X					W	X	X			X
	2L02008-02			12/1/2022	12:10		4	X		X	X					W	X	X			X
	2L02008-03			12/1/2022	13:35		4	X		X	X					W	X	X			X
	2L02008-04			12/1/2022	14:15		4	X		X	X					W	X	X			X
	2L02008-05			12/1/2022	15:15		7	X		X	X				X	W	X	X	X			X
	2L02008-06			12/1/2022	16:10		7	X		X	X				X	W	X	X	X			X

SPECIAL INSTRUCTIONS:

Relinquished by:	Date	Time	Received by:	Date	Time
Brent Barron	12/6/22	17:00			
Relinquished by:	Date	Time	Received by: 107657	Date 12.6.22	Time 0946
Relinquished by:	Date	Time	Received by:	Date	Time

Laboratory Comments:

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

Temperature Upon Receipt:
Received: 4.0 °C 1861 CF-0.5
Adjusted: 3.9 °C Factor

LA RED

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

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

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

PBELAB

Analytical Report

Prepared for:

Curt Stanley

TRC Solutions- Midland, Texas

10 Desta Dr STE 150E

Midland, TX 79705

Project: HDO 90-23

Project Number: TNM HDO 90-23

Location: Lea County, New Mexico

Lab Order Number: 2L06004

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 12/15/22

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

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-8	2L06004-01	Water	12/02/22 11:20	12-06-2022 10:10
RW-1	2L06004-02	Water	12/02/22 11:47	12-06-2022 10:10

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

MW-8

2L06004-01 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P2L1302	12/13/22 10:38	12/13/22 23:42	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2L1302	12/13/22 10:38	12/13/22 23:42	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2L1302	12/13/22 10:38	12/13/22 23:42	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2L1302	12/13/22 10:38	12/13/22 23:42	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2L1302	12/13/22 10:38	12/13/22 23:42	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*127 %*	*80-120*		*P2L1302*	*12/13/22 10:38*	*12/13/22 23:42*	*EPA 8021B*	*S-GC*
Surrogate: 1,4-Difluorobenzene		*84.5 %*	*80-120*		*P2L1302*	*12/13/22 10:38*	*12/13/22 23:42*	*EPA 8021B*	

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

RW-1

2L06004-02 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	**0.00134**	0.00100	mg/L	1	P2L1302	12/13/22 10:38	12/14/22 00:03	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2L1302	12/13/22 10:38	12/14/22 00:03	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2L1302	12/13/22 10:38	12/14/22 00:03	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2L1302	12/13/22 10:38	12/14/22 00:03	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2L1302	12/13/22 10:38	12/14/22 00:03	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*124 %*	*80-120*		*P2L1302*	*12/13/22 10:38*	*12/14/22 00:03*	*EPA 8021B*	*S-GC*
Surrogate: 1,4-Difluorobenzene		*84.7 %*	*80-120*		*P2L1302*	*12/13/22 10:38*	*12/14/22 00:03*	*EPA 8021B*	

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

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2L1302 - * DEFAULT PREP *** **										
Blank (P2L1302-BLK1)				Prepared & Analyzed: 12/13/22						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	*0.142*		*"*	*0.120*		*118*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.104*		*"*	*0.120*		*86.5*	*80-120*			
LCS (P2L1302-BS1)				Prepared & Analyzed: 12/13/22						
Benzene	0.101	0.00100	mg/L	0.100		101	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.112	0.00100	"	0.100		112	80-120			
Xylene (p/m)	0.218	0.00200	"	0.200		109	80-120			
Xylene (o)	0.0920	0.00100	"	0.100		92.0	80-120			
Surrogate: 4-Bromofluorobenzene	*0.160*		*"*	*0.120*		*133*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.110*		*"*	*0.120*		*91.3*	*80-120*			
LCS Dup (P2L1302-BSD1)				Prepared & Analyzed: 12/13/22						
Benzene	0.103	0.00100	mg/L	0.100		103	80-120	2.54	20	
Toluene	0.101	0.00100	"	0.100		101	80-120	1.15	20	
Ethylbenzene	0.111	0.00100	"	0.100		111	80-120	0.952	20	
Xylene (p/m)	0.215	0.00200	"	0.200		108	80-120	1.39	20	
Xylene (o)	0.0909	0.00100	"	0.100		90.9	80-120	1.15	20	
Surrogate: 4-Bromofluorobenzene	*0.154*		*"*	*0.120*		*128*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.111*		*"*	*0.120*		*92.4*	*80-120*			
Calibration Blank (P2L1302-CCB1)				Prepared & Analyzed: 12/13/22						
Benzene	0.220		ug/l							
Toluene	0.120		"							
Ethylbenzene	0.290		"							
Xylene (p/m)	0.810		"							
Xylene (o)	0.330		"							
Surrogate: 4-Bromofluorobenzene	*0.143*		*"*	*0.120*		*119*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.101*		*"*	*0.120*		*84.3*	*80-120*			

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

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2L1302 - * DEFAULT PREP *** **										
Calibration Blank (P2L1302-CCB2)				Prepared & Analyzed: 12/13/22						
Benzene	0.0500		ug/l							
Toluene	0.120		"							
Ethylbenzene	0.250		"							
Xylene (p/m)	0.670		"							
Xylene (o)	0.330		"							
Surrogate: 4-Bromofluorobenzene	*0.143*		*"*	*0.120*		*119*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.101*		*"*	*0.120*		*84.3*	*80-120*			
Calibration Check (P2L1302-CCV1)				Prepared & Analyzed: 12/13/22						
Benzene	0.0994	0.00100	mg/L	0.100		99.4	80-120			
Toluene	0.100	0.00100	"	0.100		100	80-120			
Ethylbenzene	0.0999	0.00100	"	0.100		99.9	80-120			
Xylene (p/m)	0.211	0.00200	"	0.200		105	80-120			
Xylene (o)	0.0910	0.00100	"	0.100		91.0	80-120			
Surrogate: 4-Bromofluorobenzene	*0.149*		*"*	*0.120*		*124*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.107*		*"*	*0.120*		*89.1*	*80-120*			
Calibration Check (P2L1302-CCV2)				Prepared & Analyzed: 12/13/22						
Benzene	0.102	0.00100	mg/L	0.100		102	80-120			
Toluene	0.108	0.00100	"	0.100		108	80-120			
Ethylbenzene	0.108	0.00100	"	0.100		108	80-120			
Xylene (p/m)	0.229	0.00200	"	0.200		114	80-120			
Xylene (o)	0.0990	0.00100	"	0.100		99.0	80-120			
Surrogate: 4-Bromofluorobenzene	*0.163*		*"*	*0.120*		*136*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.107*		*"*	*0.120*		*89.1*	*80-120*			
Calibration Check (P2L1302-CCV3)				Prepared: 12/13/22 Analyzed: 12/14/22						
Benzene	0.104	0.00100	mg/L	0.100		104	80-120			
Toluene	0.108	0.00100	"	0.100		108	80-120			
Ethylbenzene	0.111	0.00100	"	0.100		111	80-120			
Xylene (p/m)	0.231	0.00200	"	0.200		115	80-120			
Xylene (o)	0.0991	0.00100	"	0.100		99.1	80-120			
Surrogate: 4-Bromofluorobenzene	*0.160*		*"*	*0.120*		*133*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.107*		*"*	*0.120*		*89.4*	*80-120*			

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

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2L1302 - * DEFAULT PREP *** **										
Matrix Spike (P2L1302-MS1)	**Source: 2L02015-01**			Prepared: 12/13/22 Analyzed: 12/14/22						
Benzene	0.0995	0.00100	mg/L	0.100	ND	99.5	80-120			
Toluene	0.0978	0.00100	"	0.100	ND	97.8	80-120			
Ethylbenzene	0.107	0.00100	"	0.100	ND	107	80-120			
Xylene (p/m)	0.205	0.00200	"	0.200	ND	102	80-120			
Xylene (o)	0.0856	0.00100	"	0.100	ND	85.6	80-120			
Surrogate: 4-Bromofluorobenzene	*0.151*		*"*	*0.120*		*126*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.107*		*"*	*0.120*		*89.4*	*80-120*			
Matrix Spike Dup (P2L1302-MSD1)	**Source: 2L02015-01**			Prepared: 12/13/22 Analyzed: 12/14/22						
Benzene	0.0902	0.00100	mg/L	0.100	ND	90.2	80-120	9.87	20	
Toluene	0.0929	0.00100	"	0.100	ND	92.9	80-120	5.22	20	
Ethylbenzene	0.103	0.00100	"	0.100	ND	103	80-120	3.14	20	
Xylene (p/m)	0.201	0.00200	"	0.200	ND	100	80-120	1.93	20	
Xylene (o)	0.0842	0.00100	"	0.100	ND	84.2	80-120	1.67	20	
Surrogate: 4-Bromofluorobenzene	*0.161*		*"*	*0.120*		*134*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.107*		*"*	*0.120*		*89.4*	*80-120*			

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

Notes and Definitions

S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
ROI	Received on Ice
pH1	The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.
NPBEL C(	Chain of Custody was not generated at PBELAB
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 12/15/2022

Brent Barron, Laboratory Director/Technical Director

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-661-4184

Project Manager: Curt Stanley

Company Name: TRC Environmental Corporation

Company Address: 10 Desta Drive, Ste 130E

City/State/Zip: Midland/TX/79705

Telephone No: (432)5207720 Fax No:

Sampler Signature:

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

Project Name: HDO 90-23

Project #: SRS TNM HDO 90-23

Project Loc: Lea County, NM

PO #:

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

(lab use only)

ORDER #: 2206004

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO3	HCl (3 VOA)	H2SO4	NaOH	Na2S2O3	None (3 Amber VOA)	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TOC MW 5310	Dissolved Methane, Ethane, and Ethene by RSK-175	Total Dissolved Metals (Fe amd Mn) by SW 6010	Nitrate and Sulfate by E300	COD by SM 5310	Total BTEX by 8260 (TOTAL: X)	PAH by 8270	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides E 300	Paint Filter	TCLP Benzene	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	MW-8			12-2-22	1120		3	X		3						GW						X										X
	MW-16			—	—		3	X		3						GW						X										X
2	RW-1			12-2-22	1147		3	X		3						GW						X										

Special Instructions:
Bill to Plains

Relinquished by:	Date	Time	Received by:	Date	Time
Mandy	12-6-22	1010			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	12/6/22	1010

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 5.4 °C
Adjusted: 6.4 °C Factor 1

L2

APPENDIX B:
Release Notification and Corrective Action
(NMOCD Form 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 X	BLOWOUT	OTHER*	
TYPE OF FACILITY	DRLG WELL	PROD WELL	TANK BTTY	PIPE LINE X	GASO PLNT	OIL RFY	OTHER*
NAME OF FACILITY	14" Trunk Line						
LOCATION OF FACILITY (QUARTER/QUARTER SECTION OR FOOTAGE DESCRIPTION)	NW/4 NE/4				SEC. 6	TWP. 21	RGE. 37 COUNTY 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	Unknown				DATE AND HOUR OF DISCOVERY	3/27/90 2:15 P.M.	
WAS IMMEDIATE NOTICE GIVEN?	YES X	NO	NOT REQUIRED		IF YES, TO WHOM	NMOCC - B. Pritchard SCC - D. Truillo	
BY WHOM	NMOCC - M. Criswell SCC - C. Johnson				DATE AND HOUR	3/27/90; NMOCC - 3:35 P.M. 3/28/90; SCC - 9:05 a.m.	
TYPE OF FLUID LOST	Sour Crude				QUANTITY OF LOSS	750 BBLS	VOLUME RECOVERED 550 BBLS
DID ANY FLUIDS REACH A WATERCOURSE?	YES	NO X	QUANTITY				

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 X	URBAN	OTHER*			
SURFACE CONDITIONS	SANDY	SANDY LOAM X	CLAY	ROCKY	WET X	DRY	SNOW

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. Lednicky 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.

90-063530

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 201437

CONDITIONS

Operator: PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	OGRID: 34053
	Action Number: 201437
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Review of the 2022 Annual GW Monitoring Report on behalf of Plains Marketing, L.P. for HDO-90-23: Content Satisfactory 1. Continue to conduct gw monitoring on a quarterly schedule per report. 2. Continue analysis for PAH for MW-2 and MW-6 3. Continue MNA parameters for MW-9, MW-6, MW-2, MW-3, MW-17 and RW-2. 4. Submit 2023 GW Annual Report by April 1, 2024. 5. Please submit copies of approval, for NMOCD record, of landowner approval and the approved Request for Drilling Permit from OSE.	7/18/2023