

REVIEWED

By Nelson Velez at 7:18 am, Apr 26, 2023



**2022
ANNUAL MONITORING REPORT**

**TNM 98-05A
SW 1/4 NW 1/4 OF SECTION 26, TOWNSHIP 21 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO
PLAINS SRS NUMBER: TNM 98-05A**

Review of 2022 ANNUAL
GROUNDWATER MONITORING REPORT:

Content satisfactory

Contractor anticipated actions approved
by NMOCD and are as follows;

1. Continue gauging monitor wells
MW-1, MW-2, MW-10, MW-12, and
MW-13 and aggressively pump on a
monthly schedule in 2023 reporting
period
2. Continue collecting quarterly
groundwater samples in 2023
3. Continue sampling for PAH
analysis from monitor wells MW-1,
MW-2, MW-10, and MW-13
4. Conducted low-flow sampling of
MNA parameters on monitor wells
MW-5, MW-3, MW-13, MW-10, MW-6,
and MW-12 during each quarterly
sampling event.

Submit the Annual Monitoring Report to
the NMOCD no later than April 1, 2024.

**NMOCD Reference AP-12
INCIDENT # nAPP2109544011**

Prepared for:

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March 2023

A handwritten signature in blue ink that reads "Matthew Green".

Matthew K. Green P.G.
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A handwritten signature in blue ink that reads "Jonathan P. Repman".

Jonathan P. Repman, P.G.
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INTRODUCTION

On behalf of Plains Marketing, L.P. (Plains), TRC Environmental Corporation (TRC) is pleased to submit this 2022 Annual Groundwater 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 1st of each year. Beginning on May 29, 2004, project management responsibilities were assumed by TRC, previously NOVA Safety and Environmental (NOVA). This report is intended to be viewed as a complete document with figures, attachments, tables, and text. The report presents the results of four (4) quarterly groundwater monitoring/sampling events conducted at the TNM 98-05A crude oil Release Site (the Site), located in Lea County, New Mexico. The Site, formerly the responsibility of Enron Oil Trading and Transportation (EOTT) is now the responsibility of Plains. For reference, the Site Location Map is provided as Figure 1.

Groundwater gauging and sampling was conducted during each quarter of 2022 to assess the levels and extent of Phase Separated Hydrocarbons (PSH) and dissolved phase constituents. The groundwater monitoring events consisted of measuring static water levels in the monitor wells and purging and sampling of each well exhibiting sufficient recharge. Monitor wells were not sampled if a measurable thickness of PSH was detected during gauging activities, due to monitored natural attenuation (MNA) sampling activities.

SITE DESCRIPTION AND BACKGROUND INFORMATION

The Site is located approximately two (2) miles northeast of the city of Eunice, New Mexico. The legal description of the site is SW $\frac{1}{4}$, NW $\frac{1}{4}$, Section 26, Township 21 South, Range 37 East (Figure 1). On February 5, 1998, an estimated thirty-eight (38) barrels of crude oil were released from a six (6) inch crude oil pipeline. Approximately four (4) barrels of crude oil were recovered during the initial response activities. The release was attributed to internal corrosion of the pipeline. The Release Notification and Corrective Action Form (C-141) is provided as Appendix B. Approximately 3,300 cubic yards of impacted soil was excavated and applied to an on-site treatment cell. In December 2004, a Site Restoration Work Plan and Proposed Soil Closure Strategy Report was submitted to the NMOCD. The report was approved by the NMOCD in a letter dated June 2, 2005. In October 2005, additional excavation along the east sidewall was completed, the excavation was backfilled with remediated soil, and the site was graded to fit the surrounding topography. In December 2005, a Soil Closure Request was submitted to the NMOCD and approved in a letter dated January 31, 2006, which concurred no further action was necessary with regard to soil remediation at the TNM 98-05A Release Site.

During the October 2005 excavation backfilling activities, monitor well MW-4 was damaged and could not be repaired. On January 9, 2006, Plains representatives requested and received NMOCD approval to plug and abandon monitor well MW-4. On March 6, 2006, monitor well MW-4 was plugged and abandoned by a New Mexico licensed water well driller, utilizing New Mexico Office of the State Engineer approved plugging and abandonment procedures.

On February 5, 2014, two (2) additional four (4) inch monitor wells (MW-12 and MW-13) were installed at the TNM 98-05A Release Site.

In the 2nd quarter of 2015, an automated PSH recovery system utilizing skimmer pumps was installed onsite. The skimmer pumps were installed in monitor wells MW-2, MW-10, and MW-13 to assist in PSH recovery. In the 3rd quarter of 2018, the automated PSH recovery system utilizing skimmer pumps was decommissioned due to declining PSH thicknesses.

On November 18, 2015, Plains excavated and visually inspected the abandoned six(6) inch diameter pipeline, which was the source of the TNM 98-05A release. The area excavated began immediately south of monitor well MW-1 and continued approximately fifty (50) feet to the west of monitor well MW-1. Based on visual and olfactory evidence, it appears no secondary releases have occurred from the Plains pipeline.

Currently, there are twelve (12) monitor wells (MW-1 through MW-3, and MW-5 through MW-13) onsite.

FIELD ACTIVITIES

Product Recovery Efforts

A measurable thickness of PSH was observed on-site in monitor well MW-13 (0.01 feet) during the 2nd quarter of the 2022 reporting period. Approximately 2,989.24 gallons (71.17 barrels) of PSH have been recovered since project inception. Groundwater Elevation data is provided as Table 1.

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 correspondence dated January 19, 2006 and March 24, 2020. The table below illustrates the current groundwater sampling schedule approved by the NMOCD.

NMOCD Approved Sampling Schedule							
MW-1	Quarterly	MW-5	Annually	MW-9	Annually	MW-13	Quarterly
MW-2	Quarterly	MW-6	Semi-Annually	MW-10	Quarterly		
MW-3	Annually	MW-7	Annually	MW-11	Annually		
MW-4	P & A	MW-8	Annually	MW-12	Quarterly		

Quarterly sampling events for the calendar year 2022 were conducted on March 2, May 25-26, September 12-14, and November 28-30, 2022. Each quarterly sampling event consisted of gauging all wells and purging and sampling monitor wells as per the approved sampling schedule. During each sampling event, the monitor wells were purged of 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 PVC samplers. Water samples were placed in clean glass containers provided by the laboratory and placed on ice in the field. Purge water was collected in a polystyrene tank and disposed of at a licensed disposal facility.

Please note, during the reporting period, monitor wells MW-5, MW-3, MW-13, MW-10, MW-6, and MW-12 were sampled using industry standard low-flow sampling techniques. A water quality meter was utilized to monitor the flow of groundwater for pH, temperature (°C), conductivity, Oxygen Reduction Potential (ORP), Dissolved Oxygen (DO), and Turbidity. The above parameters were monitored until three (3) of the six (6) parameters stabilized to within a ten percent (10%) “window”, at which time groundwater samples were collected. The six (6) monitor wells (MW-5, MW-3, MW-13, MW-10, MW-6, and MW-12) 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, Figure 2D, indicated a general gradient of approximately 0.004 feet/foot to the southeast as measured between monitor wells MW-5 and MW-6. Inferred Groundwater Gradient Maps prepared during the 1st, 2nd, and 3rd quarters indicated the inferred groundwater gradient was 0.004 feet/foot. The corrected groundwater elevations ranged between 3343.70 and 3,345.15 feet above mean sea level, in monitor well MW-6 on November 29, 2022, and monitor well MW-5 on January 17, 2022, respectively. Groundwater elevation data for the calendar year 2022 is provided in Table 1. Historical groundwater elevation data beginning at project inception is summarized in Table 4.

LABORATORY RESULTS

Groundwater samples collected during the 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 conducted during the 2022 calendar year on monitor wells MW-1, MW-2, MW-3, MW-10, and MW-17. Based on historical PAH analytical data, only those wells exhibiting elevated constituent concentrations above NMWQCC Drinking Water Standards are 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 the historical polynuclear aromatic hydrocarbon concentrations in groundwater are summarized in Table 6. Copies of the laboratory reports generated for 2022 are provided in Appendix A. The quarterly groundwater sample results for BTEX constituent concentrations are depicted on Figures 3A through 3D.

Monitor well MW-1 is sampled on a quarterly schedule and the analytical results indicated benzene concentrations ranged from 0.0255 mg/L during the 1st quarter to 0.0343 mg/L during the 4th quarter. Benzene concentrations were above the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Toluene concentrations ranged 0.00136 mg/L during the 1st quarter to 0.00649 mg/L during the 4th quarter. Toluene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from less than the applicable laboratory RL during the 1st quarter to

0.00703 mg/L during the 4th quarter. Ethylbenzene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Xylene concentrations ranged from less than the applicable laboratory RL during the 1st quarter to 0.02595 mg/L during the 4th quarter. Xylene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period.

PAH analysis during the 4th quarter sampling event indicated elevated concentrations above NMWQCC Drinking Water Standards for anthracene (0.014 mg/L), fluorene (0.071 mg/L), phenanthrene (0.11 mg/L), and naphthalene (0.504 mg/L).

Monitor well MW-2 is sampled on a quarterly schedule and the analytical results indicated benzene concentrations ranged from 0.124 mg/L during the 3rd quarter to 0.173 mg/L during the 1st quarter of 2022. Benzene concentrations were above the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Toluene concentrations ranged from 0.00564 mg/L during the 1st quarter to 0.0266 mg/L during the 4th quarter of the reporting period. Toluene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from 0.00818 mg/L during the 1st quarter to 0.0187 mg/L during the 4th quarter of 2022. Ethylbenzene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Xylene concentrations ranged from 0.03942 mg/L during the 1st quarter to 0.1457 mg/L during the 4th quarter of 2022. Xylene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period.

PAH analysis during the 4th quarter sampling event indicated elevated concentrations above NMWQCC Drinking Water Standards for anthracene (0.0014 mg/L), fluorene (0.0012 mg/L), and phenanthrene (0.0038 mg/L).

Monitor well MW-3 is sampled on an annual schedule and the analytical results indicated BTEX constituent concentrations were less than the applicable laboratory RL and below the NMOCD regulatory guidelines during the 3rd quarter. Monitor well MW-3 was selected as a MNA parameter well and was sampled “off schedule” during the 1st, 2nd, and 4th quarters as a result. 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 in the “upgradient within plume” location. Groundwater samples collected during the reporting period were obtained using low-flow sampling techniques. The table below list the stabilization levels for the water quality parameters during the reporting period for monitor well MW-3.

SAMPLE LOCATION	SAMPLE DATE	pH (SU) ± 10%	Temp (°C) ± 10%	Conductivity (u-mhos/cm) ± 10%	ORP (mV) ± 10% mV	Dissolved Oxygen (mg/L) ± 10%	Turbidity (NTUs) ± 10% or less than 5 NTUs
MW-3	03/02/22	6.67	21.94	1.78	121	6.97	0.00 over range
MW-3	05/26/22	8.13	29.01	1.78	1.41	9.31	2.90
MW-3	09/13/22	7.00	23.64	1.85	142	6.60	410
MW-3	11/29/22	7.45	21.38	1.80	105	6.96	509

Analytical benzene data for the previous ten (10) years was entered into the GSI Mann-Kendall Toolkit (GSI-MKT), which indicated the Concentration Trend was “Stable” in monitor well MW-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 “Stable” 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 “No Trend” 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-5 is sampled on an annual schedule and the analytical results indicated BTEX constituent concentrations were less than the applicable laboratory RL and below the NMOCD regulatory guidelines during the 4th quarter. Monitor well MW-5 was selected as a MNA parameter well and was sampled “off schedule” during the 1st, 2nd, and 4th quarters as a result. PAH analysis was not required during the 4th quarter sampling event.

Please note, monitor well MW-5 was selected as MNA parameter well and is located in the “upgradient of plume” location. Groundwater samples collected during the reporting period were obtained using low-flow sampling techniques. The table below list the stabilization levels for the water quality parameters during the reporting period for monitor well MW-5.

SAMPLE LOCATION	SAMPLE DATE	pH (SU) ± 10%	Temp (°C) ± 10%	Conductivity (u-mhos/cm) ± 10%	ORP (mV) ± 10% mV	Dissolved Oxygen (mg/L) ± 10%	Turbidity (NTUs) ± 10% or less than 5 NTUs
MW-5	03/02/22	6.77	23.23	1.87	107	6.26	420
MW-5	05/26/22	8.28	22.55	1.95	70	10.02	655
MW-5	09/13/22	6.90	23.00	1.99	147	5.48	550
MW-5	11/29/22	7.57	21.06	1.88	102	3.94	0

Analytical benzene data for the previous ten (10) years was entered into the GSI Mann-Kendall Toolkit (GSI-MKT), which indicated the Concentration Trend was “Stable” in monitor well MW-5. 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-5. 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-5. 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-5.

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

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

Monitor well MW-6 is sampled on a semi-annual schedule and the analytical results indicated benzene, toluene, ethylbenzene, and xylene concentrations were less than the RL and NMOCD regulatory guidelines during the 1st and 3rd quarters. Monitor well MW-3 was selected as a MNA parameter well and was sampled “off schedule” during the 2nd and 4th quarters as a result. PAH analysis was not required during the 4th quarter sampling event.

Please note, monitor well MW-6 was selected as MNA parameter well and is located “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-6.

SAMPLE LOCATION	SAMPLE DATE	pH (SU) ± 10%	Temp (°C) ± 10%	Conductivity (u-mhos/cm) ± 10%	ORP (mV) ± 10% mV	Dissolved Oxygen (mg/L) ± 10%	Turbidity (NTUs) ± 10% or less than 5 NTUs
MW-6	03/02/22	6.30	22.42	2.70	93	0.58	0.00 over range
MW-6	05/26/22	7.81	25.78	2.62	69	12.44	0.00 over range
MW-6	09/13/22	6.57	24.69	2.61	93	0.39	0.00 over range
MW-6	11/29/22	7.08	21.04	2.38	68	0	0

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-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 “Increasing” 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-7 and is sampled on an annual schedule and the analytical results indicated the benzene concentration was 0.00210 mg/L during the 3rd quarter of the reporting period. Benzene concentration was below the NMOCD regulatory guidelines during the 3rd quarter of the

reporting period. The toluene concentration was 0.00361 mg/L during the 3rd quarter of the reporting period. The toluene concentration was below the NMOCD regulatory guidelines during the 3rd quarter of the reporting period. The ethylbenzene concentration was 0.00133 mg/L during the 3rd quarter of the reporting period. The ethylbenzene concentration was below the NMOCD regulatory guidelines during the 3rd quarter of the reporting period. The xylene concentration was 0.00707 mg/L during the 3rd quarter of the reporting period. The xylene concentrations was below the NMOCD regulatory guidelines during the 3rd quarter of the reporting period. PAH analysis was not required during the 4th quarter sampling event.

Monitor well MW-8 and is sampled on an annual schedule and the analytical results indicated benzene concentration were 0.00564 mg/L during the 3rd quarter of the reporting period. The benzene concentration was below the NMOCD regulatory guidelines during the 3rd quarter of the reporting period. The toluene concentration was 0.0162 mg/L during the 3rd quarter of the reporting period. The toluene concentration was below the NMOCD regulatory guidelines during the 3rd quarter of the reporting period. The ethylbenzene concentration was 0.00702 mg/L during the 3rd quarter of the reporting period. The ethylbenzene concentration was below the NMOCD regulatory guidelines during the 3rd quarter of the reporting period. The xylene concentration was 0.02884 mg/L during the 3rd quarter of the reporting period. The xylene concentrations was below the NMOCD regulatory guidelines during the 3rd quarter of the reporting period. The analytical results indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines since the 1st quarter of 2000. PAH analysis was not required during the 4th quarter sampling event.

Monitor well MW-9 is sampled on an annual schedule and the analytical results indicated the benzene concentration was 0.00129 mg/L during the 3rd quarter of the reporting period. The benzene concentration was below the NMOCD regulatory guidelines during the 3rd quarter of the reporting period. The toluene concentration was 0.00204 mg/L during the 3rd quarter of the reporting period. The toluene concentration was below the NMOCD regulatory guidelines during the 3rd quarter of the reporting period. The ethylbenzene concentration was below the applicable laboratory RL and the NMOCD regulatory guidelines during the 3rd quarter of the reporting period. The xylene concentration was 0.00221 mg/L during the 3rd quarter of the reporting period. The xylene concentrations was below the NMOCD regulatory guidelines during the 3rd quarter of the reporting period. The analytical results indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines since the 1st quarter of 2008. PAH analysis was not required during the 4th quarter sampling event.

Monitor well MW-10 is sampled on a quarterly schedule and the analytical results indicated benzene concentrations ranged from 0.0302 mg/L during the 2nd quarter to 0.0480 mg/L during the 1st quarter of 2022. Benzene concentrations were above the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Toluene concentrations ranged from below the applicable laboratory RL during the 2nd and 3rd quarters to 0.00200 mg/L during the 1st quarter of 2022. Toluene concentrations were below the NMOCD regulatory guidelines during the four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from below the applicable laboratory RL during the 2nd quarter to 0.00273 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 0.00409 mg/L during the 2nd quarter

to 0.00712 mg/L during the 1st quarter of 2022. Xylene concentrations were below the NMOCD regulatory guidelines all four (4) quarters of the reporting period.

PAH analysis during the 4th quarter sampling event indicated elevated concentrations above NMWQCC Drinking Water Standards for fluorene (0.0030 mg/L) and phenanthrene (0.0059 mg/L).

Please note, monitor well MW-10 was selected as MNA parameter well and is located in the “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-10.

SAMPLE LOCATION	SAMPLE DATE	pH (SU) ± 10%	Temp (°C) ± 10%	Conductivity (u-mhos/cm) ± 10%	ORP (mV) ± 10% mV	Dissolved Oxygen (mg/L) ± 10%	Turbidity (NTUs) ± 10% or less than 5 NTUs
MW-10	03/02/22	6.17	22.06	2.17	-142	6.02	173
MW-10	05/26/22	7.73	25.00	2.15	-217	0.00	155
MW-10	09/13/22	6.56	24.21	2.28	-208	0.10	58
MW-10	11/29/22	7.03	21.52	2.18	-207	0	320

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-10. Analytical toluene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Decreasing” in monitor well MW-10. 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-10. Analytical xylene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Decreasing” in monitor well MW-10.

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-11 is sampled on an annual schedule and the analytical results indicated The benzene, ethylbenzene, and xylene constituent concentrations were less than the applicable laboratory RL and the NMOCD regulatory guideline during 3rd quarter sampling event. The analytical results indicated the toluene concentrations was 0.00150 mg/L during the 3rd quarter. Toluene was below the NMOCD regulatory guidelines during the 3rd quarter. The analytical results indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines since the 4th quarter of 2005. PAH analysis was not required during the 4th quarter sampling event.

Monitor well MW-12 is sampled on a quarterly schedule and the analytical results indicated BTEX 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-12 was selected as MNA parameter well and is located “cross gradient of the plume” location. Groundwater samples collected during the reporting period quarter were obtained using low -flow sampling techniques. The table below list the stabilization levels for the water quality parameters during the reporting period for monitor well MW-12.

SAMPLE LOCATION	SAMPLE DATE	pH (SU) ± 10%	Temp (°C) ± 10%	Conductivity (u-mhos/cm) ± 10%	ORP (mV) ± 10% mV	Dissolved Oxygen (mg/L) ± 10%	Turbidity (NTUs) ± 10% or less than 5 NTUs
MW-12	03/02/22	6.42	22.15	2.06	-121	5.59	336
MW-12	05/26/22	7.80	26.47	199	-152	0.00	142
MW-12	09/13/22	6.80	22.61	2.17	-132	0.25	148
MW-12	11/29/22	7.11	21.09	2.12	-121	0	1,000

Analytical benzene data for the previous ten (10) years was entered into the GSI Mann-Kendall Toolkit (GSI-MKT), which indicated the Concentration Trend was “Decreasing” in monitor well MW-12. 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-12. 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-12. 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-12.

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-13 is sampled on a quarterly schedule and the analytical results indicated benzene concentrations ranged from 1.75 mg/L during the 4th quarter to 7.04 mg/L during the 1st quarter of 2022. Benzene concentrations were above the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Toluene concentrations ranged from 0.00132 mg/L during the 2nd quarter to 0.0154 mg/L during the 1st quarter of 2022. Toluene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from 0.0117 mg/L during the 4th quarter to 0.101 mg/L during the 1st quarter of 2022. Ethylbenzene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Xylene concentrations ranged from 0.01211 mg/L during the 3rd quarter to 0.0548 mg/L during the 1st quarter of 2022. Xylene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period.

PAH analysis during the 4th quarter sampling event indicated elevated concentrations above NMWQCC Drinking Water Standards for anthracene (0.0012 mg/L), benzo[a]anthracene (0.0011 mg/L), fluorene (0.0048 mg/L) and phenanthrene (0.0081 mg/L).

Please note, monitor well MW-13 was selected as MNA parameter well and is located in the “center 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-13.

SAMPLE LOCATION	SAMPLE DATE	pH (SU) ± 10%	Temp (°C) ± 10%	Conductivity (u-mhos/cm) ± 10%	ORP (mV) ± 10% mV	Dissolved Oxygen (mg/L) ± 10%	Turbidity (NTUs) ± 10% or less than 5 NTUs
MW-13	03/02/22	6.21	21.55	2.43	-199	1.83	0.00 over range
MW-13	05/26/22	7.69	25.80	2.27	-281	3.60	305
MW-13	09/13/22	6.31	26.22	2.58	-285	3.77	293
MW-13	11/29/22	6.95	20.98	2.32	-257	0	0

Analytical benzene data for the previous ten (10) years was entered into the GSI Mann-Kendall Toolkit (GSI-MKT), which indicated the Concentration Trend was “Increasing” in monitor well MW-13. Analytical toluene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Decreasing” in monitor well MW-13. Analytical ethylbenzene 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-13. Analytical xylene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Stable” in monitor well MW-13.

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 the NMOCD regulatory limits 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

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

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

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

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

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

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

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

To determine the morphology of each biodegradation region, six (6) monitor wells were sampled. These wells generally included one (1) well upgradient of the plume (MW-5), one (1) well upgradient within the plume (MW-3), one (1) well near the center of the plume (MW-13),

one (1) well downgradient within the plume (MW-10), one (1) well downgradient of the plume (MW-6), and one (1) well cross-gradient of the plume center (MW-12).

The six (6) monitor wells (MW-5, MW-3, MW-13, MW-10, MW-6, and MW-12) were sampled for concentrations of BTEX using Method EPA 8021B, Total Organic Carbon (TOC) using Method EPA 415.1, Dissolved Methane Gas using RSK-175, Dissolved Ethane Gas using RSK-175, Dissolved Ethene Gas using RSK-175, Dissolved Iron (filtered) using Method EPA 6010B, Dissolved Manganese (filtered) using Method EPA 6010B, Anion Nitrate and Sulfate by Method EPA 300.0, and Chemical Oxygen Demand (COD) by 8000.

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

For the 1st quarter the analytical results for concentrations of benzene ranged from less than the applicable laboratory RL for monitor wells MW-5, MW-3, MW-6, and MW-12 to 7.04 mg/L for monitor well MW-13.

For the 2nd quarter the analytical results for concentrations of benzene ranged from less than the applicable laboratory RL for monitor wells MW-5, MW-3, MW-6, and MW-12 to 1.95 mg/L for monitor well MW-13.

For the 3rd quarter the analytical results for concentrations of benzene ranged from less than the applicable laboratory RL for monitor wells MW-5, MW-3, MW-6, and MW-12 to 3.23 mg/L for monitor well MW-13.

For the 4th quarter the analytical results for concentrations of benzene ranged from less than the applicable laboratory RL for monitor wells MW-5, MW-3, MW-6, and MW-12 to 1.75 mg/L for monitor well MW-13.

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-5, MW-3, MW-13, MW-10, MW-6, and MW-12. The GSI-MKT indicated the Concentration Trends for MW-5, MW-3, MW-13, MW-10, MW-6, and MW-12 were as follows “Stable”, “Stable”, “Increasing”, “Decreasing”, “No Trend”, and “Decreasing”.

For the 1st quarter the analytical results for concentrations of toluene ranged from less than the applicable laboratory RL for monitor wells MW-5, MW-3, MW-6, and MW-12 to 0.0154 mg/L for monitor well MW-13.

For the 2nd quarter the analytical results for concentrations of toluene ranged from less than the applicable laboratory RL for monitor wells MW-5, MW-3, MW-6, MW-10, and MW-12 to 0.00132 mg/L for monitor well MW-13.

For the 3rd quarter the analytical results for concentrations of toluene ranged from less than the applicable laboratory RL for monitor wells MW-5, MW-3, MW-6, MW-10, and MW-12 to 0.00160 mg/L for monitor well MW-13.

For the 4th quarter the analytical results for concentrations of toluene ranged from less than the applicable laboratory RL for monitor wells MW-5, MW-3, MW-6, and MW-12 to 0.00396 mg/L for monitor well MW-13.

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-5, MW-3, MW-13, MW-10, MW-6, and MW-12. The GSI-MKT indicated the Concentration Trends for MW-5, MW-3, MW-13, MW-10, MW-6, and MW-12 were as follows “No Trend”, “No Trend”, “Decreasing”, “Decreasing”, “No Trend”, and “No Trend”.

For the 1st quarter the analytical results for concentrations of ethylbenzene ranged from less than the applicable laboratory RL for monitor wells MW-5, MW-3, MW-6, and MW-12 to 0.101 mg/L for monitor well MW-13.

For the 2nd quarter the analytical results for concentrations of ethylbenzene ranged from less than the applicable laboratory RL for monitor wells MW-5, MW-3, MW-6, MW-10, and MW-12 to 0.0166 mg/L for monitor well MW-13.

For the 3rd quarter the analytical results for concentrations of ethylbenzene ranged from less than the applicable laboratory RL for monitor wells MW-5, MW-3, MW-6, and MW-12 to 0.0220 mg/L for monitor well MW-13.

For the 4th quarter the analytical results for concentrations of ethylbenzene ranged from less than the applicable laboratory RL for monitor wells MW-5, MW-3, MW-6, and MW-12 to 0.0117 mg/L for monitor well MW-13.

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-5, MW-3, MW-13, MW-10, MW-6, and MW-12. The GSI-MKT indicated the Concentration Trends for MW-5, MW-3, MW-13, MW-10, MW-6, and MW-12 were as follows “Stable”, “Stable”, “Prob. Decreasing”, “Decreasing”, “No Trend”, and “Decreasing”.

For the 1st quarter the analytical results for concentrations of xylene ranged from less than the applicable laboratory RL for monitor wells MW-5, MW-3, MW-6, and MW-12 to 0.0548 mg/L for monitor well MW-13.

For the 2nd quarter the analytical results for concentrations of xylene ranged from less than the applicable laboratory RL for monitor wells MW-5, MW-3, MW-6, and MW-12 to 0.01269 mg/L for monitor well MW-13.

For the 3rd quarter the analytical results for concentrations of xylene ranged from less than the applicable laboratory RL for monitor wells MW-5, MW-3, MW-6, and MW-12 to 0.01211 mg/L for monitor well MW-13.

For the 4th quarter the analytical results for concentrations of xylene ranged from less than the applicable laboratory RL for monitor wells MW-5, MW-3, MW-6, and MW-12 to 0.01456 mg/L for monitor well MW-13.

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-5, MW-3, MW-13, MW-10, MW-6, and MW-12. The GSI-MKT indicated the Concentration Trends for MW-5, MW-3, MW-13, MW-10, MW-6, and MW-12 were as follows “No Trend”, “No Trend”, “Stable”, “Decreasing”, “Increasing”, and “No Trend”.

For the 1st quarter the analytical results for concentrations of TOC were less than the applicable laboratory RL for monitor wells MW-5, MW-3, MW-13, MW-10, MW-6, and MW-12. Please note that the laboratory RL was 10.0 mg/L due to a high dilution factor which was caused by high concentrations of a non-target analyte.

For the 2nd quarter the analytical results for concentrations of TOC ranged from 1.77 mg/L for monitor well MW-5, to 6.20 mg/L for monitor well MW-13.

For the 3rd quarter the analytical results for concentrations of TOC ranged from 1.28 mg/L for monitor well MW-5, to 7.62 mg/L for monitor well MW-13.

For the 4th quarter the analytical results for concentrations of TOC ranged from 1.39 mg/L for monitor well MW-3, to 5.94 mg/L for monitor well MW-13.

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-5, MW-3, MW-13, MW-10, MW-6, and MW-12. The GSI-MKT indicated the Concentration Trends for MW-5, MW-3, MW-13, MW-10, MW-6, and MW-12 were as follows “No Trend”, “No Trend”, “Stable”, “Stable”, “Stable”, and “Stable”.

For the 1st quarter the analytical results for concentrations of Dissolved Methane ranged from 0.00238 mg/L for monitor well MW-5 to 5.18 mg/L for monitor well MW-10.

For the 2nd quarter the analytical results for concentrations of Dissolved Methane ranged from 0.00140 mg/L for monitor well MW-5 to 1.30 mg/L for monitor well MW-13.

For the 3rd quarter the analytical results for concentrations of Dissolved Methane ranged from 0.000729 mg/L for monitor well MW-3 to 1.41 mg/L for monitor well MW-13.

For the 4th quarter the analytical results for concentrations of Dissolved Methane ranged from less than the applicable laboratory RL for monitor well MW-5 to 2.24 mg/L for monitor well MW-10.

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-5, MW-3, MW-13, MW-10, MW-6, and MW-12. The GSI-MKT indicated

the Concentration Trends for MW-5, MW-3, MW-13, MW-10, MW-6, and MW-12 were as follows “Decreasing”, “Stable”, “Stable”, “Stable”, “Decreasing”, and “Increasing”.

For the 1st quarter the analytical results for concentrations of Dissolved Ethane ranged from less than the applicable laboratory RL for monitor wells MW-5, MW-3, MW-6, and MW-12 to 0.0184 mg/L for monitor well MW-10.

For the 2nd quarter the analytical results for concentrations of Dissolved Ethane ranged from less than the applicable laboratory RL for monitor wells MW-5, MW-3, and MW-6 to 0.0138 mg/L for monitor well MW-10.

For the 3rd quarter the analytical results for concentrations of Dissolved Ethane ranged from less than the applicable laboratory RL for monitor wells MW-5, MW-3, and MW-12 to 0.0124 mg/L for monitor well MW-10.

For the 4th quarter the analytical results for concentrations of Dissolved Ethane ranged from less than the applicable laboratory RL for monitor wells MW-5, MW-3, and MW-12 to 0.0127 mg/L for monitor well MW-10.

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-5, MW-3, MW-13, MW-10, MW-6, and MW-12. The GSI-MKT indicated the Concentration Trends for MW-5, MW-3, MW-13, MW-10, MW-6, and MW-12 were as follows “Stable”, “Stable”, “Stable”, “Stable”, “No Trend”, and “Stable”.

For the 1st quarter the analytical results for concentrations of Dissolved Ethene ranged from less than the applicable laboratory RL for monitor wells MW-3, MW-10, and MW-6 to 0.142 mg/L for monitor well MW-13.

For the 2nd quarter the analytical results for concentrations of Dissolved Ethene ranged from less than the applicable laboratory RL for monitor well MW-10 to 0.0171 mg/L for monitor well MW-13.

For the 3rd quarter the analytical results for concentrations of Dissolved Ethene ranged from less than the applicable laboratory RL for monitor wells MW-3, MW-13, and MW-10 to 0.00582 mg/L for monitor well MW-6.

For the 4th quarter the analytical results for concentrations of Dissolved Ethene ranged from less than the applicable laboratory RL for monitor wells MW-5, MW-3, MW-13, MW-10, and MW-6 to 0.00281 mg/L for monitor well MW-12.

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-5, MW-3, MW-13, MW-10, MW-6, and MW-12. The GSI-MKT indicated the Concentration Trends for MW-5, MW-3, MW-13, MW-10, MW-6, and MW-12 were as follows “Stable”, “Stable”, “No Trend”, “Stable”, “No Trend”, and “No Trend”.

For the 1st quarter the analytical results for concentrations of Dissolved Iron (filtered) ranged from less than the applicable laboratory RL for monitor wells MW-5, MW-3 and MW-6 to 0.285 mg/L for monitor well MW-13.

For the 2nd quarter the analytical results for concentrations of Dissolved Iron (filtered) were less than the applicable laboratory RL for monitor wells MW-5, MW-3, MW-13, MW-10, MW-6 and MW-12.

For the 3rd quarter the analytical results for concentrations of Dissolved Iron (filtered) ranged from less than the applicable laboratory RL for monitor wells MW-3 and MW-13 to 1.22 mg/L for monitor well MW-6.

For the 4th quarter the analytical results for concentrations of Dissolved Iron (filtered) were less than the applicable laboratory RL for monitor wells MW-5, MW-3, MW-13, MW-10, MW-6 and MW-12.

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-5, MW-3, MW-13, MW-10, MW-6, and MW-12. The GSI-MKT indicated the Concentration Trends for MW-5, MW-3, MW-13, MW-10, MW-6, and MW-12 were as follows “No Trend”, “Stable”, “No Trend”, “Stable”, “No Trend”, and “Stable”.

For the 1st quarter the analytical results for concentrations of Dissolved Manganese (filtered) ranged from 0.000651 mg/L for monitor well MW-3 to 0.161 mg/L for monitor well MW-10.

For the 2nd quarter the analytical results for concentrations of Dissolved Manganese (filtered) ranged from less than the applicable laboratory RL for monitor wells MW-5 and MW-3 to 0.164 mg/L for monitor well MW-10.

For the 3rd quarter the analytical results for concentrations of Dissolved Manganese (filtered) ranged from 0.00288 mg/L for monitor well MW-3 to 0.189 mg/L for monitor well MW-10.

The analytical results for concentrations of Dissolved Manganese (filtered) ranged from 0.00276 mg/L for monitor well MW-3 to 0.157 mg/L for monitor well MW-10.

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-5, MW-3, MW-13, MW-10, MW-6, and MW-12. The GSI-MKT indicated the Concentration Trends for MW-5, MW-3, MW-13, MW-10, MW-6, and MW-12 were as follows “No Trend”, “No Trend”, “No Trend”, “Stable”, “Stable”, and “Stable”.

For the 1st quarter the analytical results for concentrations of Nitrate ranged from less than the applicable laboratory RL for monitor wells MW-13, MW-10, and MW-12 to 38.3 mg/L for monitor well MW-6.

For the 2nd quarter the analytical results for concentrations of Nitrate ranged from less than the applicable laboratory RL for monitor wells MW-13, MW-10, and MW-12 to 41.2 mg/L for monitor well MW-6.

For the 3rd quarter the analytical results for concentrations of Nitrate ranged from less than the applicable laboratory RL for monitor wells MW-3, MW-13, MW-10, and MW-12 to 27.7 mg/L for monitor well MW-6.

For the 4th quarter the analytical results for concentrations of Nitrate ranged from 0.205 mg/L for monitor well MW-10 to 22.0 mg/L for monitor well MW-6.

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-5, MW-3, MW-13, MW-10, MW-6, and MW-12. The GSI-MKT indicated the Concentration Trends for MW-5, MW-3, MW-13, MW-10, MW-6, and MW-12 were as follows “No Trend”, “Stable”, “No Trend”, “No Trend”, “Decreasing”, and “No Trend”.

For the 1st quarter the analytical results for concentrations of Sulfate ranged from 3.80 mg/L monitor well MW-13 to 247 mg/L for monitor well MW-6.

For the 2nd quarter the analytical results for concentrations of Sulfate ranged from 54.3 mg/L monitor well MW-10 to 256 mg/L for monitor well MW-6.

For the 3rd quarter the analytical results for concentrations of Sulfate ranged from 36.0 mg/L monitor well MW-13 to 215 mg/L for monitor well MW-6.

For the 4th quarter the analytical results for concentrations of Sulfate ranged from 53.1 mg/L monitor well MW-10 to 214 mg/L for monitor well MW-6.

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-5, MW-3, MW-13, MW-10, MW-6, and MW-12. The GSI-MKT indicated the Concentration Trends for MW-5, MW-3, MW-13, MW-10, MW-6, and MW-12 were as follows “Stable”, “Stable”, “No Trend”, “No Trend”, “Decreasing”, and “Stable”.

For the 1st quarter the analytical results for concentrations of COD ranged from less than the applicable laboratory RL for monitor wells MW-5, MW-3, and MW-12 to 40.0 mg/L for monitor well MW-13.

For the 2nd quarter the analytical results for concentrations of COD ranged from less than the applicable laboratory RL for monitor wells MW-5, MW-3, MW-6, and MW-12 to 17.0 mg/L for monitor well MW-13.

For the 3rd quarter the analytical results for concentrations of COD ranged were less than the applicable laboratory RL for monitor wells MW-5, MW-3, MW-13, MW-10, MW-6 and MW-12.

For the 4th quarter the analytical results for concentrations of COD ranged from less than the applicable laboratory RL for monitor wells MW-5, MW-3, and MW-12 to 25.0 mg/L for monitor well MW-13.

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-5, MW-3, MW-13, MW-10, MW-6, and MW-12. The GSI-MKT indicated the Concentration Trends for MW-5, MW-3, MW-13, MW-10, MW-6, and MW-12 were as follows “No Trend”, “No Trend”, “Stable”, “Stable”, “No Trend”, and “No Trend”.

SUMMARY

This report presents the results of four (4) quarterly groundwater monitoring and sampling events for the annual monitoring period of calendar year 2022. Currently, there are twelve (12) groundwater monitor wells (MW-1 through MW-3, and MW-5 through MW-13) on site. The most recent inferred groundwater gradient, Figure 2D, indicated a general gradient of approximately 0.004 feet/foot to the southeast.

A measurable thickness of PSH was observed in the onsite monitor well MW-13 (0.01 feet) during the 2nd quarter of the 2022 reporting period. Approximately 2,989.24 gallons (71.17 barrels) of PSH have been recovered since project inception. Groundwater Elevation data is provided as Table 1.

During all four (4) quarterly sampling events, benzene concentrations were above the NMOCD regulatory guidelines in monitor wells MW-1, MW-2, MW-10, and MW-13. BTEX concentrations were below the NMOCD regulatory guidelines in eight (8) sampled monitor wells (MW-3, MW-5 through MW-9, MW-11, and MW-12).

ANTICIPATED ACTIONS

Monitor wells MW-1, MW-2, MW-10, and MW-13 will be gauged and aggressively pumped on a monthly schedule during the 2023 reporting period.

Quarterly monitoring and groundwater sampling will continue in 2023. Based on the results of previous PAH analysis, Plains will conduct PAH analysis on monitor wells MW-1, MW-2, MW-10, and MW-13.

Low-flow sampling of MNA parameters will be conducted on monitor wells MW-5, MW-3, MW-13, MW-10, MW-6, and MW-12 during each quarterly sampling event. Unforeseen circumstances may require modification of this sampling event.

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

LIMITATIONS

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

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

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

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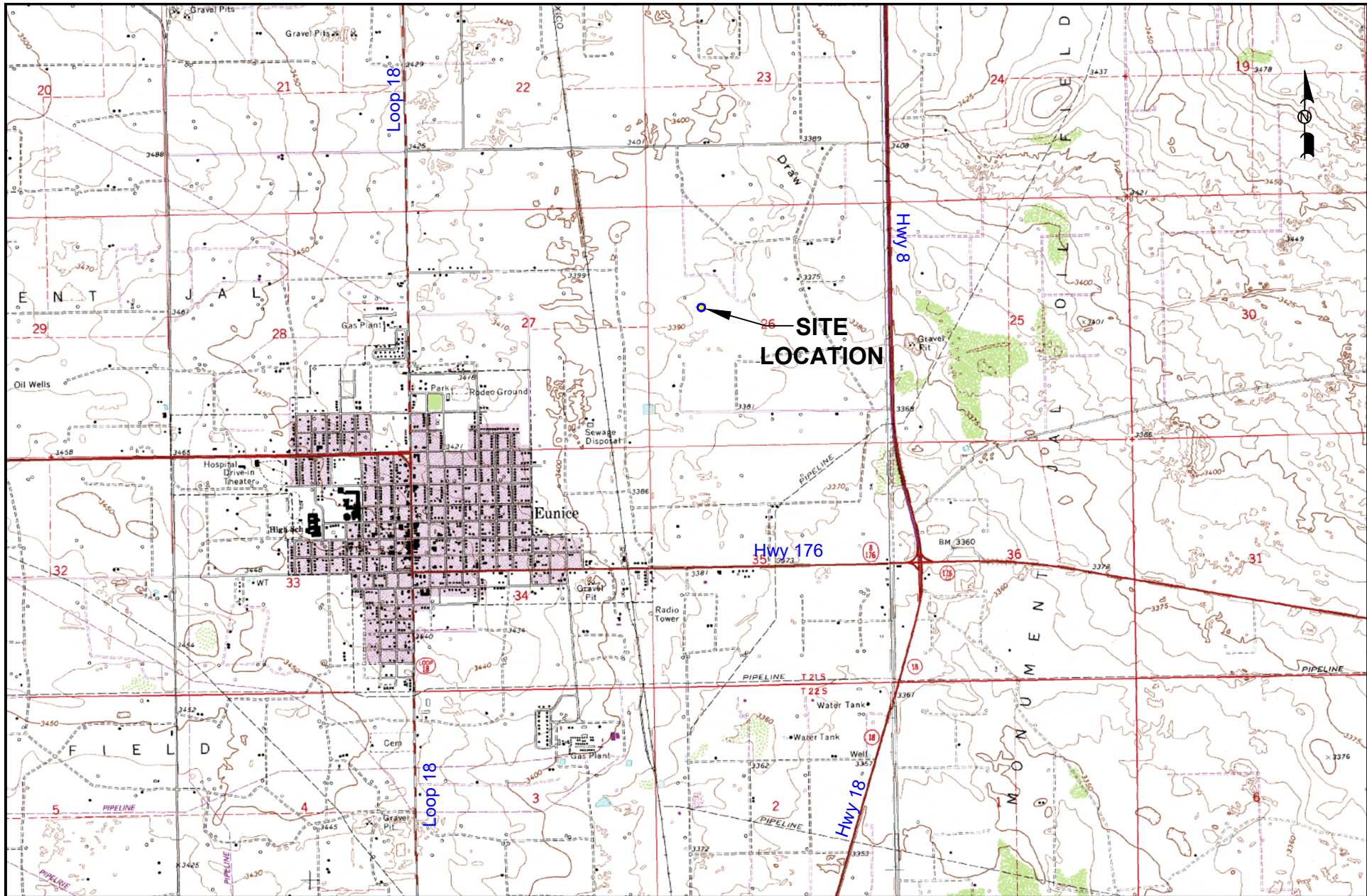
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FIGURES



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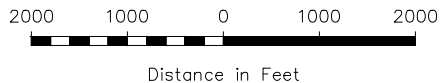
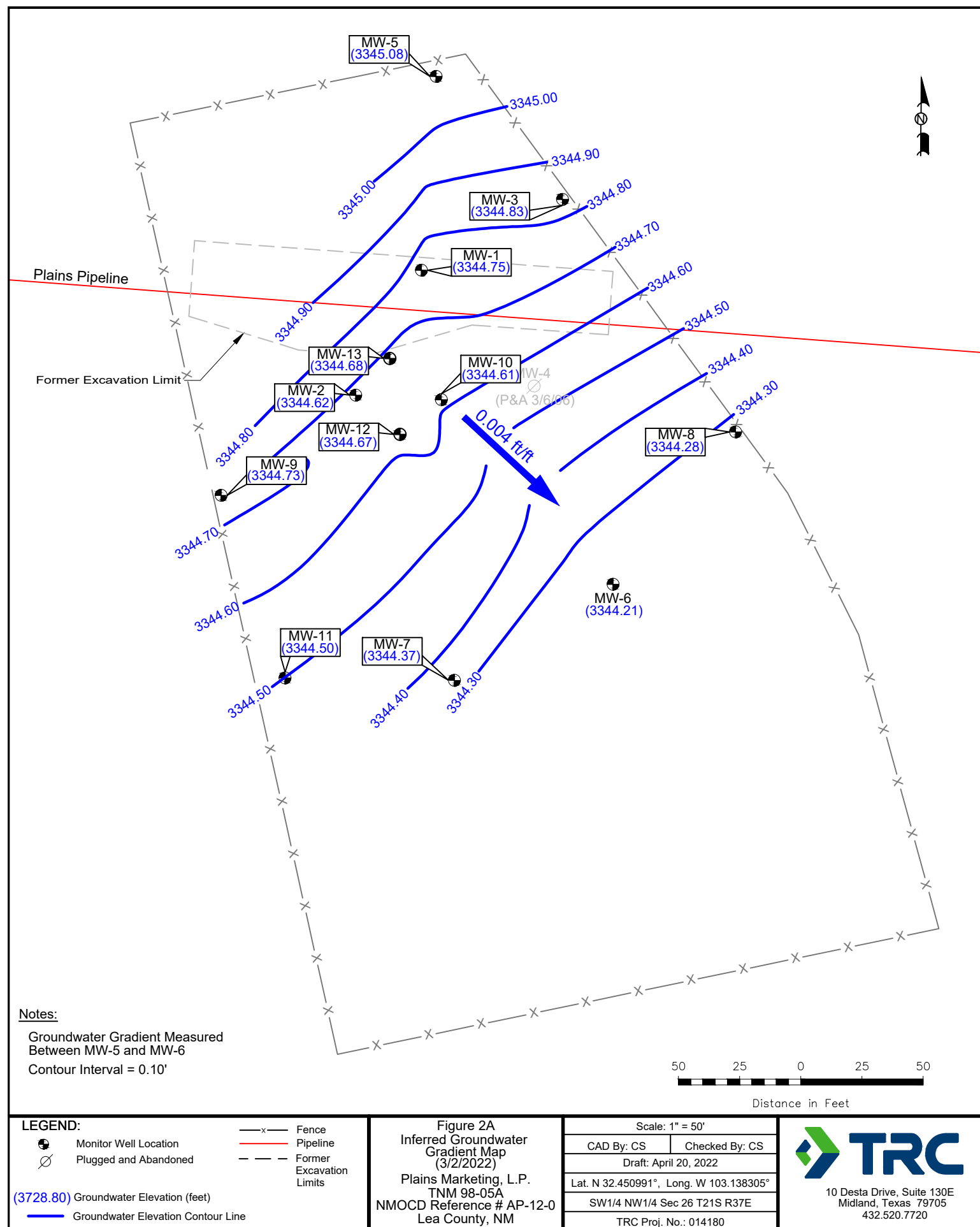


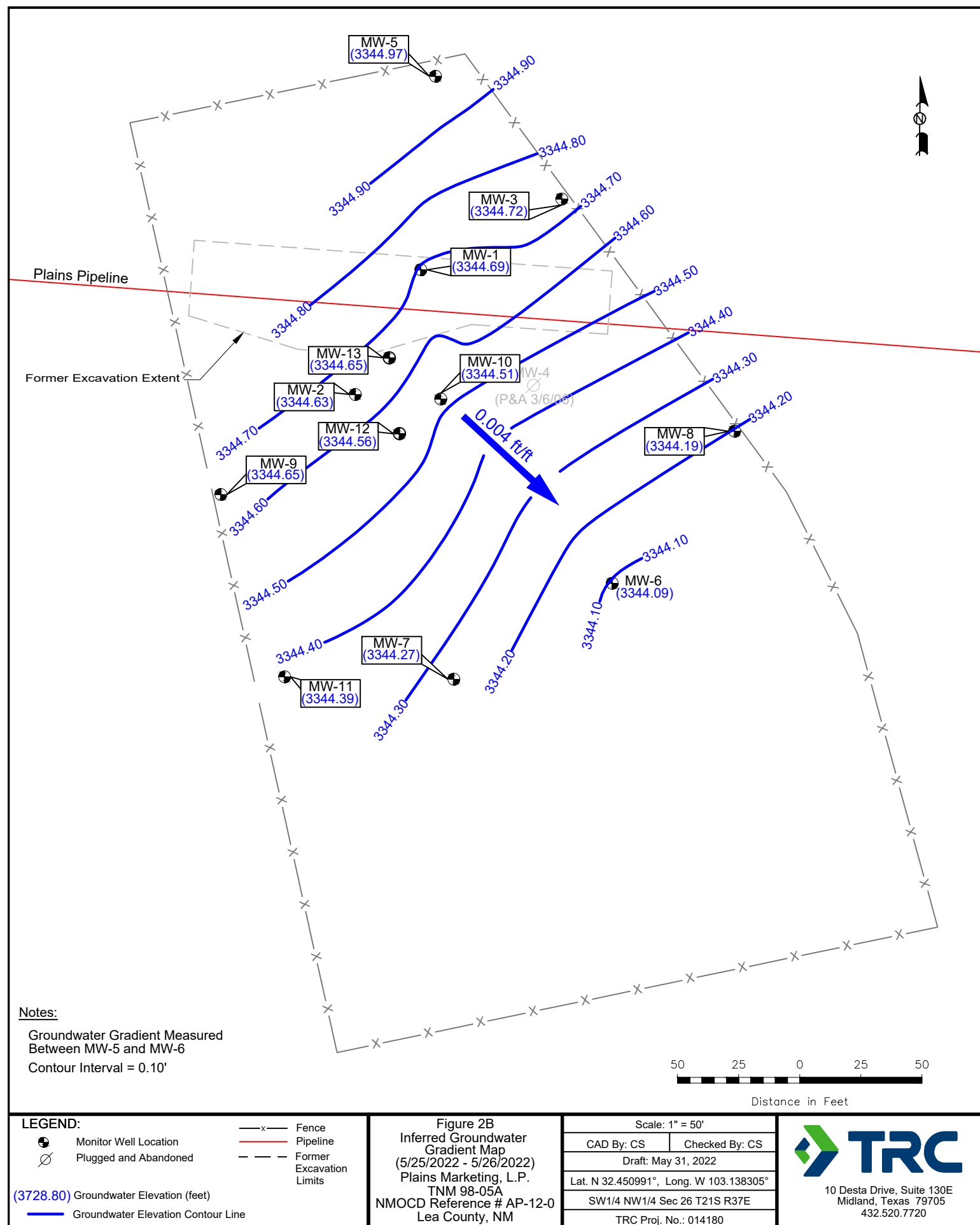
Figure 1
Site Location Map
Plains Marketing, L.P.
TNM 98-05A
NMOCD Reference # AP-12-0
Lea County, NM

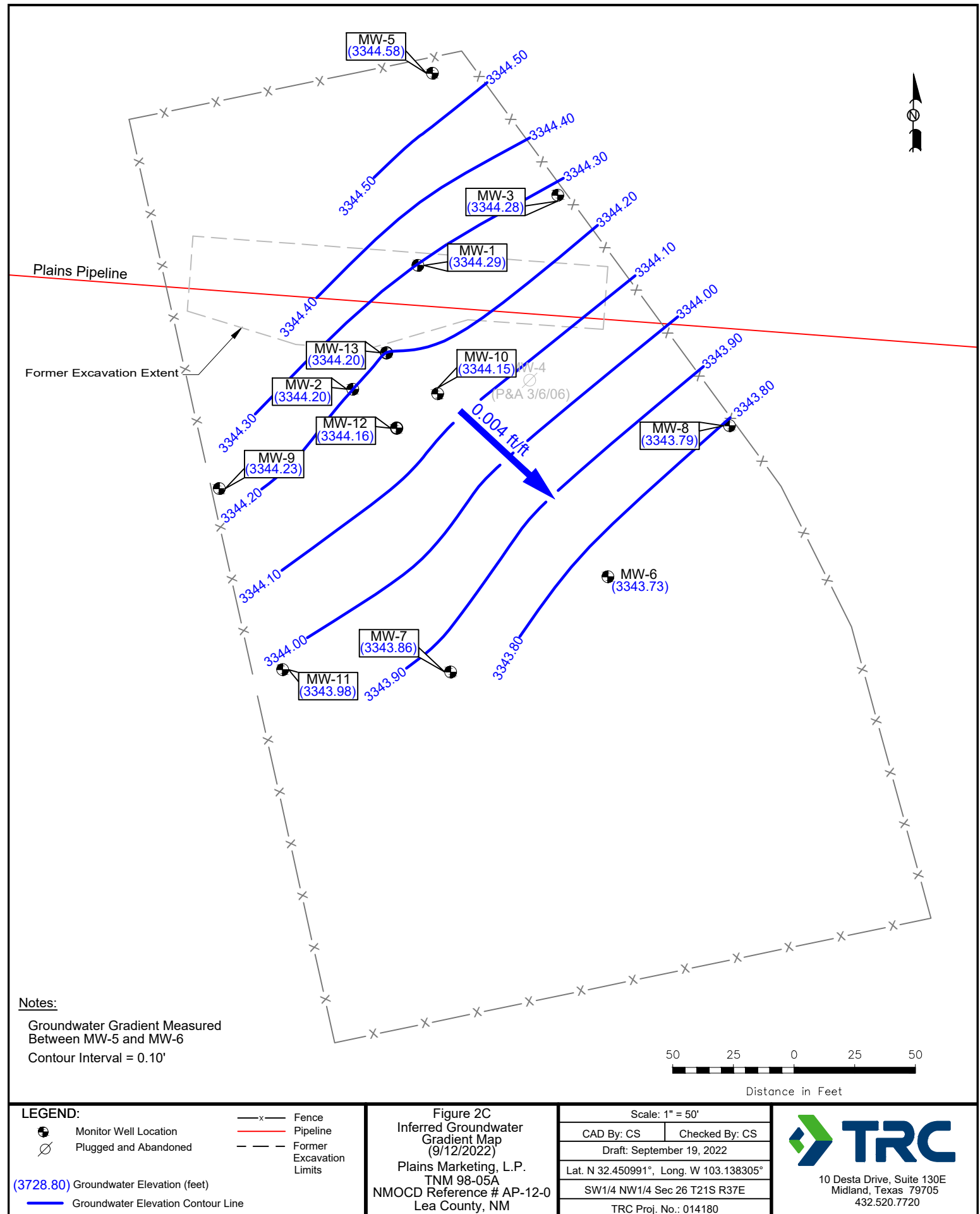
Scale: 1" = 2000'	
CAD By: TA	Checked By: CS
Draft: October 20, 2020	
Lat. N 32.450991°, Long. W 103.138305°	
SW1/4 NW1/4 Sec 26 T21S R37E	
TRC Proj. No.: 014180	

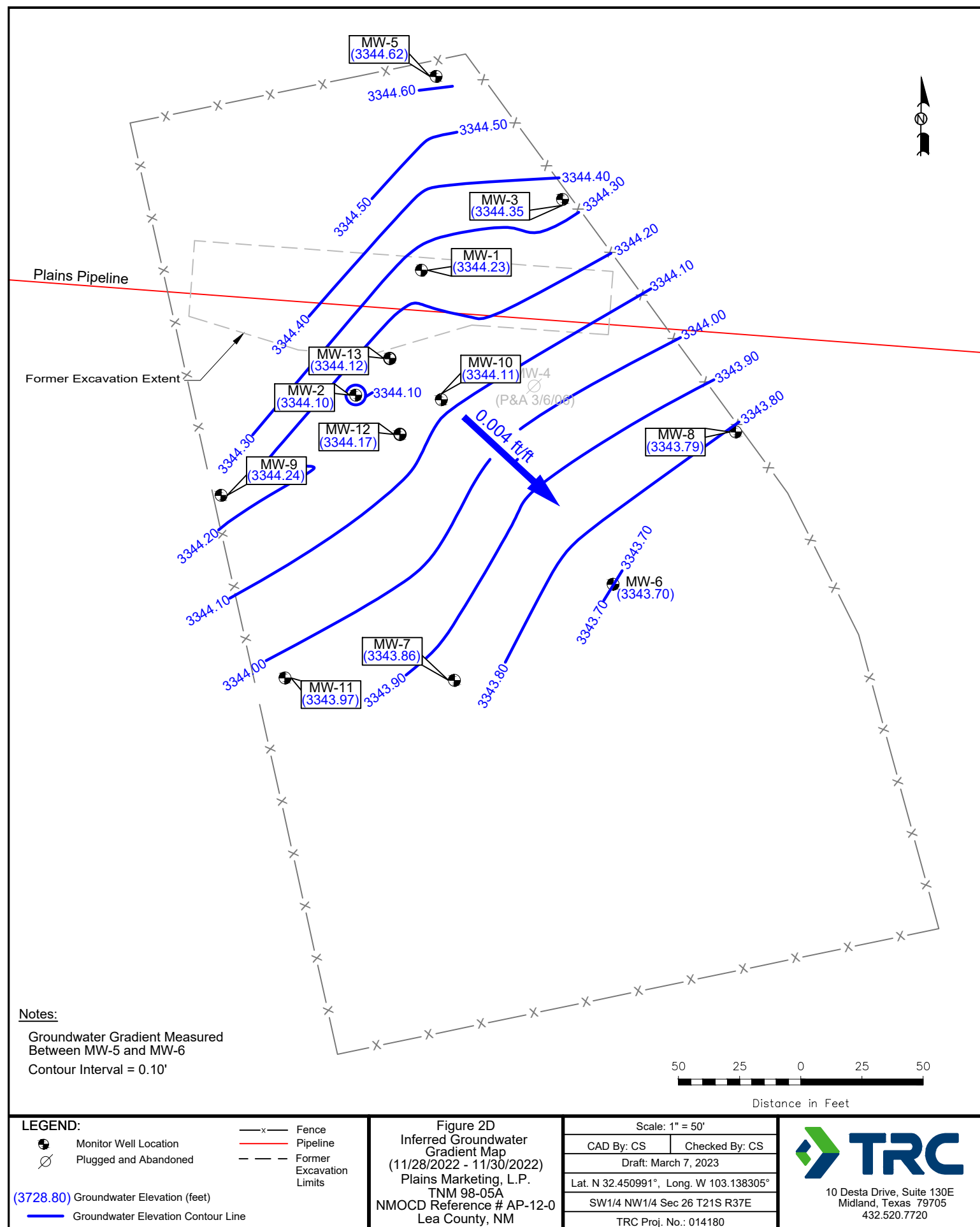


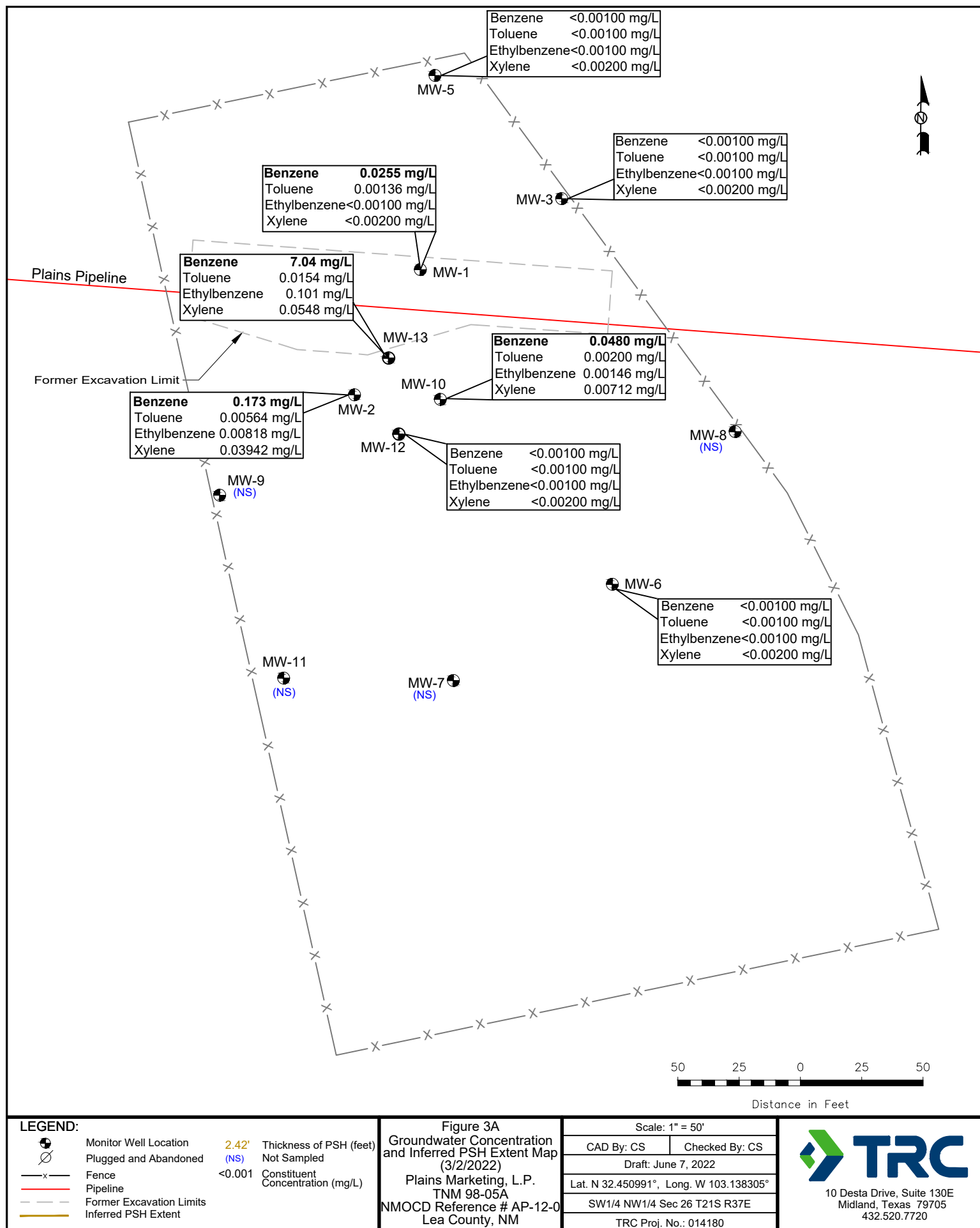
10 Desta Drive, Suite 130E
Midland, Texas 79705
432.520.7720

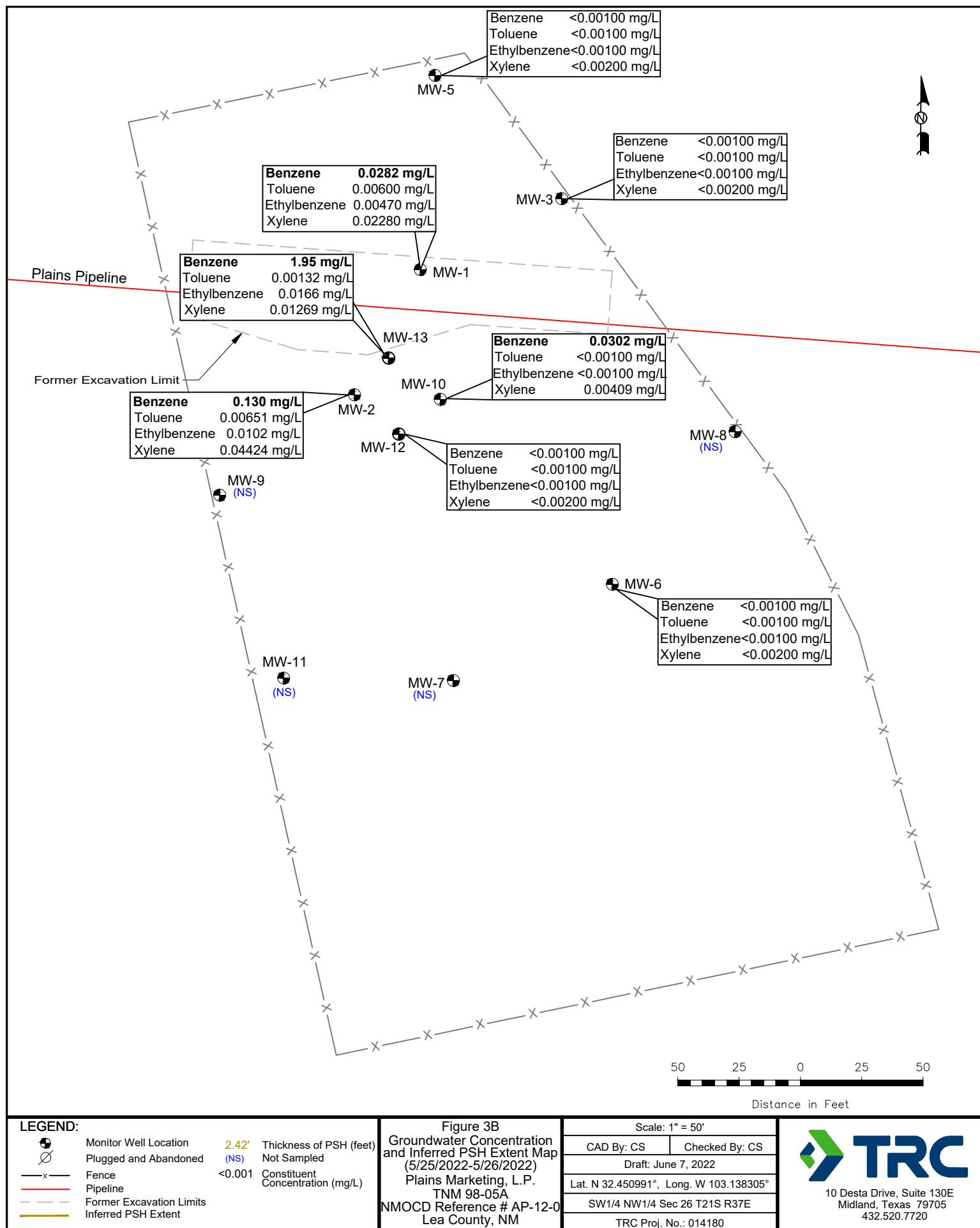


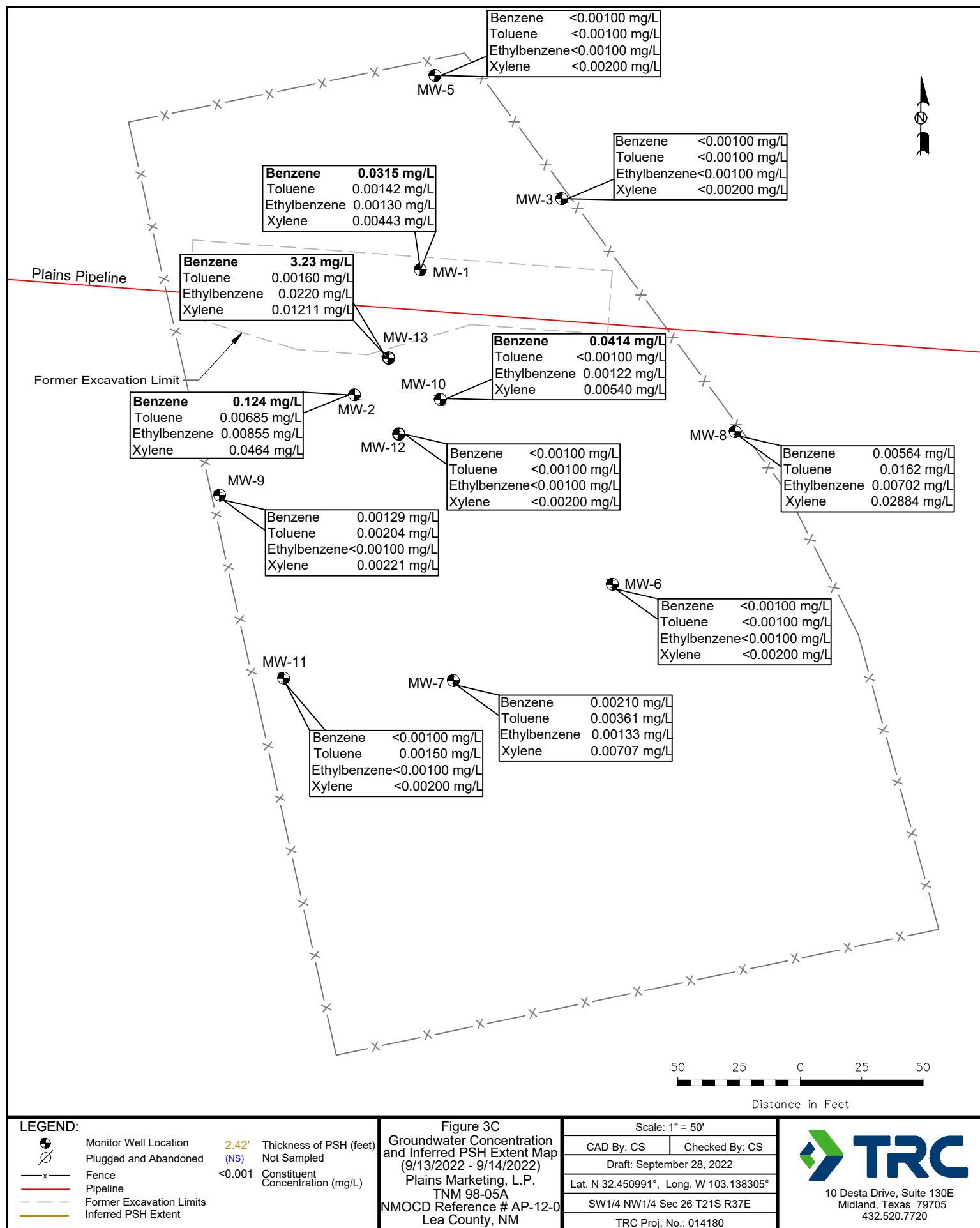


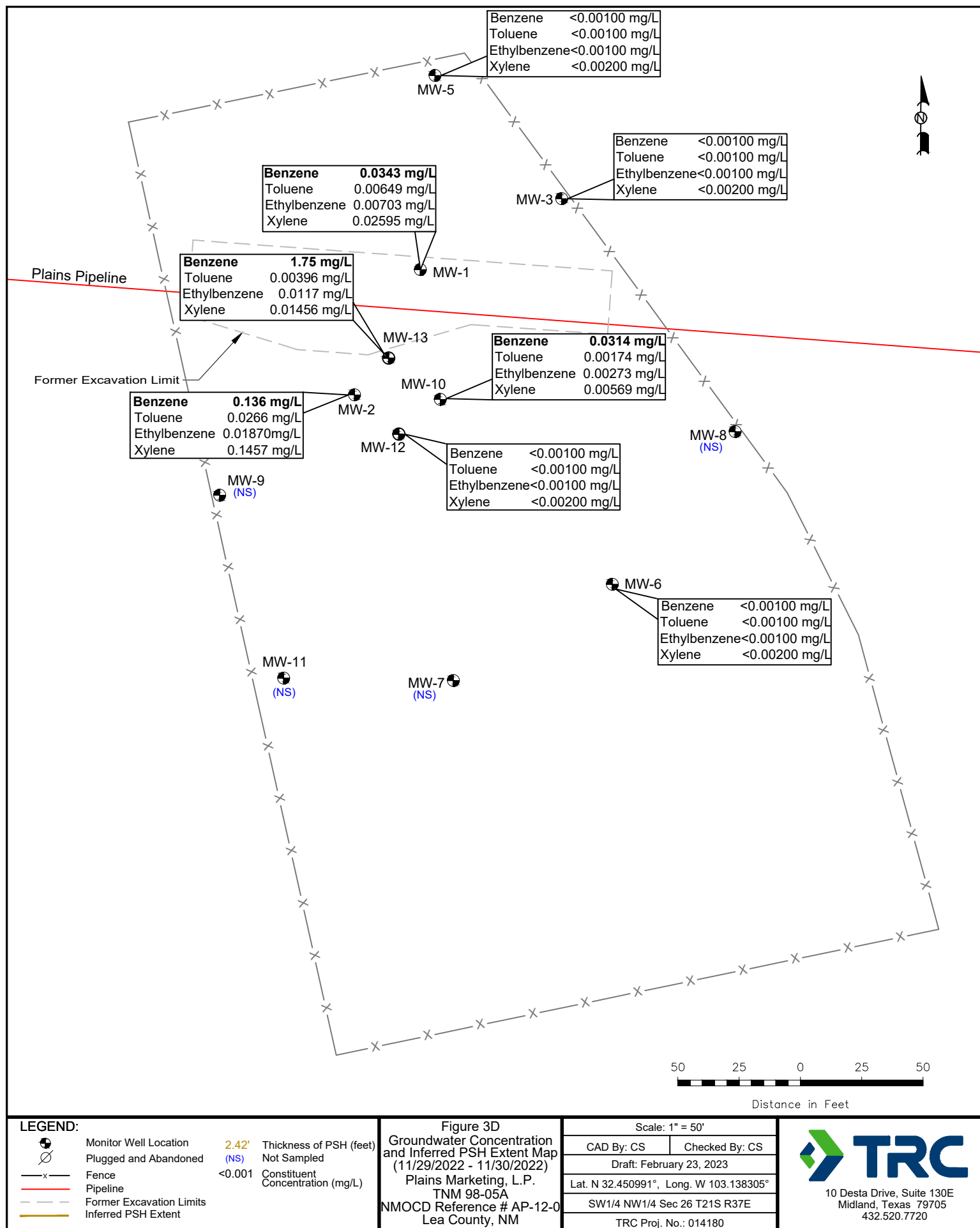












TABLES

TABLE 1

2022 GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	01/17/22	3391.62	-	46.74	0.00	3,344.88
MW - 1	03/02/22	3391.62	-	46.87	0.00	3,344.75
MW - 1	04/08/22	3391.62	-	46.90	0.00	3,344.72
MW - 1	05/25/22	3391.62	-	46.93	0.00	3,344.69
MW - 1	09/12/22	3391.62	-	47.33	0.00	3,344.29
MW - 1	11/30/22	3391.62	-	47.39	0.00	3,344.23
MW - 1	12/05/22	3391.62	-	47.36	0.00	3,344.26
MW - 2	01/03/22	3390.85	-	46.23	0.00	3,344.62
MW - 2	01/17/22	3390.85	-	46.17	0.00	3,344.68
MW - 2	02/11/22	3390.85	-	46.14	0.00	3,344.71
MW - 2	03/02/22	3390.85	-	46.23	0.00	3,344.62
MW - 2	03/24/22	3390.85	-	46.24	0.00	3,344.61
MW - 2	04/08/22	3390.85	-	46.30	0.00	3,344.55
MW - 2	04/22/22	3390.85	-	46.22	0.00	3,344.63
MW - 2	05/06/22	3390.85	-	46.29	0.00	3,344.56
MW - 2	05/25/22	3390.85	-	46.22	0.00	3,344.63
MW - 2	06/20/22	3390.85	-	46.40	0.00	3,344.45
MW - 2	07/11/22	3390.85	-	46.52	0.00	3,344.33
MW - 2	08/19/22	3390.85	-	46.60	0.00	3,344.25
MW - 2	09/12/22	3390.85	-	46.65	0.00	3,344.20
MW - 2	09/21/22	3390.85	-	46.69	0.00	3,344.16
MW - 2	10/05/22	3390.85	-	46.77	0.00	3,344.08
MW - 2	11/22/22	3390.85	-	46.76	0.00	3,344.09
MW - 2	11/30/22	3390.85	-	46.75	0.00	3,344.10
MW - 2	12/05/22	3390.85	-	46.70	0.00	3,344.15
MW - 3	03/02/22	3391.08	-	46.25	0.00	3,344.83
MW - 3	04/08/22	3391.08	-	46.34	0.00	3,344.74
MW - 3	05/26/22	3391.08	-	46.36	0.00	3,344.72
MW - 3	09/12/22	3391.08	-	46.80	0.00	3,344.28
MW - 3	11/29/22	3391.08	-	46.73	0.00	3,344.35
MW - 5	01/17/22	3391.53	-	46.38	0.00	3,345.15
MW - 5	03/02/22	3391.53	-	46.45	0.00	3,345.08
MW - 5	04/08/22	3391.53	-	46.55	0.00	3,344.98
MW - 5	05/26/22	3391.53	-	46.56	0.00	3,344.97
MW - 5	09/12/22	3391.53	-	46.95	0.00	3,344.58
MW - 5	11/29/22	3391.53	-	46.91	0.00	3,344.62
MW- 6	01/17/22	3391.14	-	46.88	0.00	3,344.26
MW- 6	03/02/22	3391.14	-	46.93	0.00	3,344.21
MW- 6	04/08/22	3391.14	-	47.02	0.00	3,344.12
MW- 6	05/26/22	3391.14	-	47.05	0.00	3,344.09
MW- 6	09/12/22	3391.14	-	47.41	0.00	3,343.73
MW- 6	11/29/22	3391.14	-	47.44	0.00	3,343.70

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TABLE 1

2022 GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 7	01/17/22	3391.21	-	46.78	0.00	3,344.43
MW - 7	03/02/22	3391.21	-	46.84	0.00	3,344.37
MW - 7	04/08/22	3391.21	-	46.92	0.00	3,344.29
MW - 7	05/25/22	3391.21	-	46.94	0.00	3,344.27
MW - 7	09/12/22	3391.21	-	47.35	0.00	3,343.86
MW - 7	11/28/22	3391.21	-	47.35	0.00	3,343.86
MW - 8	01/17/22	3391.14	-	46.80	0.00	3,344.34
MW - 8	03/02/22	3391.14	-	46.86	0.00	3,344.28
MW - 8	04/08/22	3391.14	-	46.93	0.00	3,344.21
MW - 8	05/25/22	3391.14	-	46.95	0.00	3,344.19
MW - 8	09/12/22	3391.14	-	47.35	0.00	3,343.79
MW - 8	11/28/22	3391.14	-	47.35	0.00	3,343.79
MW - 9	01/17/22	3391.47	-	46.66	0.00	3,344.81
MW - 9	03/02/22	3391.47	-	46.74	0.00	3,344.73
MW - 9	04/08/22	3391.47	-	46.80	0.00	3,344.67
MW - 9	05/25/22	3391.47	-	46.82	0.00	3,344.65
MW - 9	09/12/22	3391.47	-	47.24	0.00	3,344.23
MW - 9	11/28/22	3391.47	-	47.23	0.00	3,344.24
MW - 10	01/03/22	3391.26	-	46.77	0.00	3,344.49
MW - 10	01/17/22	3391.26	-	46.65	0.00	3,344.61
MW - 10	02/11/22	3391.26	-	46.63	0.00	3,344.63
MW - 10	03/02/22	3391.26	-	46.65	0.00	3,344.61
MW - 10	03/24/22	3391.26	-	46.70	0.00	3,344.56
MW - 10	04/08/22	3391.26	-	46.81	0.00	3,344.45
MW - 10	04/22/22	3391.26	-	46.68	0.00	3,344.58
MW - 10	05/06/22	3391.26	-	46.71	0.00	3,344.55
MW - 10	05/26/22	3391.26	-	46.75	0.00	3,344.51
MW - 10	06/20/22	3391.26	-	46.86	0.00	3,344.40
MW - 10	07/11/22	3391.26	-	46.96	0.00	3,344.30
MW - 10	08/19/22	3391.26	-	47.10	0.00	3,344.16
MW - 10	09/12/22	3391.26	-	47.11	0.00	3,344.15
MW - 10	09/21/22	3391.26	-	47.22	0.00	3,344.04
MW - 10	10/05/22	3391.26	-	47.23	0.00	3,344.03
MW - 10	11/22/22	3391.26	-	47.26	0.00	3,344.00
MW - 10	11/28/22	3391.26	-	47.15	0.00	3,344.11
MW - 10	12/05/22	3391.26	-	47.23	0.00	3,344.03
MW - 11	01/17/22	3390.73	-	46.17	0.00	3,344.56
MW - 11	03/02/22	3390.73	-	46.23	0.00	3,344.50
MW - 11	04/08/22	3390.73	-	46.31	0.00	3,344.42
MW - 11	05/25/22	3390.73	-	46.34	0.00	3,344.39
MW - 11	09/12/22	3390.73	-	46.75	0.00	3,343.98
MW - 11	11/28/22	3390.73	-	46.76	0.00	3,343.97

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TABLE 1

2022 GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 12	01/17/22	3391.57	-	46.84	0.00	3,344.73
MW - 12	03/02/22	3391.57	-	46.90	0.00	3,344.67
MW - 12	05/26/22	3391.57	-	47.01	0.00	3,344.56
MW - 12	09/12/22	3391.57	-	47.41	0.00	3,344.16
MW - 12	11/29/22	3391.57	-	47.40	0.00	3,344.17
MW - 13	01/03/22	3391.89	-	47.22	0.00	3,344.67
MW - 13	01/17/22	3391.89	-	47.16	0.00	3,344.73
MW - 13	02/11/22	3391.89	-	47.15	0.00	3,344.74
MW - 13	03/02/22	3391.89	-	47.21	0.00	3,344.68
MW - 13	03/24/22	3391.89	-	47.19	0.00	3,344.70
MW - 13	04/08/22	3391.89	-	47.39	0.00	3,344.50
MW - 13	04/22/22	3391.89	-	47.19	0.00	3,344.70
MW - 13	05/06/22	3391.89	-	47.25	0.00	3,344.64
MW - 13	05/26/22	3391.89	-	47.24	0.00	3,344.65
MW - 13	06/20/22	3391.89	47.34	47.35	0.01	3,344.55
MW - 13	07/11/22	3391.89	-	47.42	0.00	3,344.47
MW - 13	08/19/22	3391.89	-	47.68	0.00	3,344.21
MW - 13	09/12/22	3391.89	-	47.69	0.00	3,344.20
MW - 13	09/21/22	3391.89	-	47.71	0.00	3,344.18
MW - 13	10/05/22	3391.89	-	47.80	0.00	3,344.09
MW - 13	11/22/22	3391.89	-	47.75	0.00	3,344.14
MW - 13	11/29/22	3391.89	-	47.77	0.00	3,344.12
MW - 13	12/05/22	3391.89	-	47.70	0.00	3,344.19

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TABLE 2

2022 CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05 A
LEA COUNTY, NEW MEXICO
NMOCD Reference #AP-12

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW - 1	03/02/22	0.0255	0.00136	<0.00100	<0.00200	
MW - 1	05/25/22	0.0282	0.00600	0.00470	0.02280	
MW - 1	09/14/22	0.0315	0.00142	0.00130	0.00443	
MW - 1	11/30/22	0.0343	0.00649	0.00703	0.02595	
MW - 2	03/02/22	0.173	0.00564	0.00818	0.03942	
MW - 2	05/25/22	0.130	0.00651	0.0102	0.04424	
MW - 2	09/14/22	0.124	0.00685	0.00855	0.0464	
MW - 2	11/30/22	0.136	0.0266	0.0187	0.1457	
MW - 3	03/02/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 3	05/26/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 3	09/13/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 3	11/29/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 5	03/02/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 5	05/26/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 5	09/13/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 5	11/29/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 6	03/02/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 6	05/26/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 6	09/13/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 6	11/29/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 7	03/02/22	Not Sampled on Current Sample Schedule				
MW - 7	05/25/22	Not Sampled on Current Sample Schedule				
MW - 7	09/14/22	0.00210	0.00361	0.00133	0.00707	
MW - 7	11/29/22	Not Sampled on Current Sample Schedule				
MW - 8	03/02/22	Not Sampled on Current Sample Schedule				
MW - 8	05/25/22	Not Sampled on Current Sample Schedule				
MW - 8	09/14/22	0.00564	0.0162	0.00702	0.02884	
MW - 8	11/29/22	Not Sampled on Current Sample Schedule				
MW - 9	03/02/22	Not Sampled on Current Sample Schedule				
MW - 9	05/25/22	Not Sampled on Current Sample Schedule				
MW - 9	09/14/22	0.00129	0.00204	<0.00100	0.00221	
MW - 9	11/29/22	Not Sampled on Current Sample Schedule				
MW - 10	03/02/22	0.0480	0.00200	0.00146	0.00712	
MW - 10	05/26/22	0.0302	<0.00100	<0.00100	0.00409	
MW - 10	09/13/22	0.0414	<0.00100	0.00122	0.00540	
MW - 10	11/29/22	0.0314	0.00174	0.00273	0.00569	

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TABLE 2

2022 CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05 A
LEA COUNTY, NEW MEXICO
NMOCD Reference #AP-12

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW - 11	03/02/22	Not Sampled on Current Sample Schedule				
MW - 11	05/25/22	Not Sampled on Current Sample Schedule				
MW - 11	09/14/22	<0.00100	0.00150	<0.00100	<0.00200	
MW - 11	11/29/22	Not Sampled on Current Sample Schedule				
MW-12	03/02/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW-12	05/26/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW-12	09/13/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW-12	11/29/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW-13	03/02/22	7.04	0.0154	0.101	0.0548	
MW-13	05/26/22	1.95	0.00132	0.0166	0.01269	
MW-13	09/13/22	3.23	0.00160	0.0220	0.01211	
MW-13	11/29/22	1.75	0.00396	0.0117	0.01456	

TABLE 3

2022 POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.

TNM 98-05A

LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER AP-12

All water concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																	
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		---	---	0.001 mg/L	0.0001 mg/L	0.0007 mg/L	0.001 mg/L	---	0.001 mg/L	0.0002 mg/L	0.0003 mg/L	0.001 mg/L	0.001 mg/L	0.0004 mg/L	0.001 mg/L	0.001 mg/L	0.03 mg/L		---
MW-1	12/05/22	<0.010	0.011	0.014	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.071	<0.010	0.11	<0.010	0.504		-
MW-2	12/05/22	<0.00010	0.00093	0.0014	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.0012	<0.00010	0.0038	<0.00010	0.00284		-
MW-3	11/29/22	Not Sampled as part of Quarterly Monitoring Event.																	
MW-5	11/29/22	Not Sampled as part of Quarterly Monitoring Event.																	
MW-6	11/29/22	Not Sampled as part of Quarterly Monitoring Event.																	
MW-7	11/28/22	Not Sampled as part of Quarterly Monitoring Event.																	
MW-8	11/28/22	Not Sampled as part of Quarterly Monitoring Event.																	
MW-9	11/29/22	Not Sampled as part of Quarterly Monitoring Event.																	
MW-10	11/28/22	0.00045	0.00054	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.0030	<0.00010	0.0059	<0.00010	0.0248		-
MW-11	11/28/22	Not Sampled as part of Quarterly Monitoring Event.																	
MW-12	11/29/22	Not Sampled as part of Quarterly Monitoring Event.																	
MW-13	11/29/22	0.00080	0.0010	0.0012	0.0011	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.0048	<0.00010	0.0081	<0.00010	0.026		-

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	02/03/99	3390.57	46.05	49.70	3.65	3,343.97
MW - 1	05/12/99	3390.57	45.99	49.31	3.32	3,344.08
MW - 1	08/23/99	3390.57	46.15	49.51	3.36	3,343.92
MW - 1	11/29/99	3390.57	45.61	45.84	0.23	3,344.93
MW - 1	03/09/00	3390.57	46.48	47.57	1.09	3,343.93
MW - 1	05/11/00	3390.57	46.13	46.92	0.79	3,344.32
MW - 1	09/12/00	3390.57	46.13	46.74	0.61	3,344.35
MW - 1	12/14/00	3390.57	45.81	46.90	1.09	3,344.60
MW - 1	03/21/01	3390.57	46.48	47.57	1.09	3,343.93
MW - 1	05/30/01	3390.57	46.13	48.40	2.27	3,344.10
MW - 1	09/25/01	3390.57	COULD NOT GAUGE DUE TO EXCAVATION			-
MW - 1	11/17/01	3390.57	COULD NOT GAUGE DUE TO EXCAVATION			-
MW - 1	02/20/02	3390.57	COULD NOT GAUGE DUE TO EXCAVATION			-
MW - 1	05/20/02	3390.57	COULD NOT GAUGE DUE TO EXCAVATION			-
MW - 1	09/24/02	3390.57	COULD NOT GAUGE DUE TO EXCAVATION			-
MW - 1	10/29/02	3390.57	42.37	39.58	-	-
MW - 1	11/06/02	3390.57	39.23	41.26	2.03	3,351.04
MW - 1	11/13/02	3390.57	39.86	41.38	1.52	3,350.48
MW - 1	01/07/03	3390.57	39.74	41.56	1.82	3,350.56
MW - 1	01/13/03	3390.57	39.72	41.55	1.83	3,350.58
MW - 1	01/27/03	3390.57	39.82	41.66	1.84	3,350.47
MW - 1	02/06/03	3390.57	39.89	41.50	1.61	3,350.44
MW - 1	03/11/03	3390.57	39.96	41.34	1.38	3,350.40
MW - 1	05/08/03	3390.57	35.92	37.75	1.83	3,354.38
MW - 1	05/15/03	3390.57	36.08	37.95	1.87	3,354.21
MW - 1	05/20/03	3390.57	36.27	38.18	1.91	3,354.01
MW - 1	05/27/03	3390.57	36.35	38.26	1.91	3,353.93
MW - 1	06/03/03	3390.57	36.30	38.15	1.85	3,353.99
MW - 1	06/10/03	3390.57	36.43	38.34	1.91	3,353.85
MW - 1	06/25/03	3390.57	36.73	37.82	1.09	3,353.68
MW - 1	07/02/03	3390.57	36.97	37.80	0.83	3,353.48
MW - 1	07/07/03	3390.57	36.72	37.91	1.19	3,353.67
MW - 1	07/22/03	3390.57	39.99	40.97	0.98	3,350.43
MW - 1	07/30/03	3390.57	36.45	37.04	0.59	3,354.03
MW - 1	08/06/03	3390.57	36.15	36.80	0.65	3,354.32
MW - 1	08/13/03	3390.57	36.72	36.85	0.13	3,353.83
MW - 1	08/19/03	3390.57	36.41	36.89	0.48	3,354.09
MW - 1	08/20/03	3390.57	36.93	37.19	0.26	3,353.60
MW - 1	08/25/03	3390.57	36.97	37.25	0.28	3,353.56
MW - 1	09/08/03	3390.57	sheen	37.45	0.00	3,353.12
MW - 1	09/15/03	3390.57	sheen	37.48	0.00	3,353.09
MW - 1	09/24/03	3390.57	sheen	37.59	0.00	3,352.98
MW - 1	09/30/03	3390.57	37.18	37.19	0.01	3,353.39
MW - 1	10/07/03	3390.57	37.40	37.41	0.01	3,353.17

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	10/22/03	3390.57	sheen	37.31	0.00	3,353.26
MW - 1	10/27/03	3390.57	sheen	37.13	0.00	3,353.44
MW - 1	11/07/03	3390.57	37.40	37.52	0.12	3,353.15
MW - 1	11/10/03	3390.57	sheen	37.53	0.00	3,353.04
MW - 1	11/17/03	3390.57	sheen	36.81	0.00	3,353.76
MW - 1	12/08/03	3390.57	sheen	35.77	0.00	3,354.80
MW - 1	12/17/03	3390.57	sheen	36.79	0.00	3,353.78
MW - 1	12/22/03	3390.57	37.33	37.34	0.01	3,353.24
MW - 1	01/02/04	3390.57	sheen	35.41	0.00	3,355.16
MW - 1	01/06/04	3390.57	sheen	37.35	0.00	3,353.22
MW - 1	01/19/04	3390.57	sheen	35.96	0.00	3,354.61
MW - 1	01/26/04	3390.57	sheen	36.04	0.00	3,354.53
MW - 1	02/02/04	3390.57	sheen	35.99	0.00	3,354.58
MW - 1	02/09/04	3390.57	35.52	35.53	0.01	3,355.05
MW - 1	02/19/04	3390.57	sheen	35.62	0.00	3,354.95
MW - 1	02/23/04	3390.57	-	35.50	0.00	3,355.07
MW - 1	03/01/04	3390.57	-	35.48	0.00	3,355.09
MW - 1	03/10/04	3390.57	-	35.51	0.00	3,355.06
MW - 1	03/15/04	3390.57	-	35.94	0.00	3,354.63
MW - 1	03/23/04	3390.57	-	36.50	0.00	3,354.07
MW - 1	03/30/04	3390.57	-	36.66	0.00	3,353.91
MW - 1	04/12/04	3390.57	-	36.60	0.00	3,353.97
MW - 1	04/20/04	3390.57	-	36.00	0.00	3,354.57
MW - 1	05/03/04	3390.57	-	36.44	0.00	3,354.13
MW - 1	05/04/04	3390.57	-	36.44	0.00	3,354.13
MW - 1	06/09/04	3390.57	sheen	36.47	0.00	3,354.10
MW - 1	06/09/04	3390.57	36.47	36.47	0.01	3,354.11
MW - 1	06/16/04	3390.57	sheen	36.49	0.00	3,354.08
MW - 1	06/30/04	3390.57	sheen	26.50	0.00	3,364.07
MW - 1	07/13/04	3390.57	36.64	36.65	0.01	3,353.93
MW - 1	06/23/04	3390.57	sheen	26.52	0.00	3,364.05
MW - 1	08/23/04	3390.57	36.88	36.94	0.06	3,353.68
MW - 1	09/13/04	3390.57	sheen	37.10	0.00	3,353.47
MW - 1	09/22/04	3390.57	-	37.21	0.00	3,353.36
MW - 1	09/22/04	3390.57	-	37.21	0.00	3,353.36
MW - 1	09/29/04	3390.57	sheen	36.81	0.00	3,353.76
MW - 1	10/04/04	3390.57	sheen	36.15	0.00	3,354.42
MW - 1	10/04/04	3390.57	sheen	36.15	0.00	3,354.42
MW - 1	10/11/04	3390.57	sheen	35.98	0.00	3,354.59
MW - 1	10/19/04	3390.57	sheen	36.10	0.00	3,354.47
MW - 1	10/25/04	3390.57	sheen	36.13	0.00	3,354.44
MW - 1	11/01/04	3390.57	sheen	36.36	0.00	3,354.21
MW - 1	11/09/04	3390.57	sheen	36.31	0.00	3,354.26
MW - 1	11/17/04	3390.57	sheen	36.89	0.00	3,353.68

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	11/22/04	3390.57	sheen	36.50	0.00	3,354.07
MW - 1	11/29/04	3390.57	sheen	36.03	0.00	3,354.54
MW - 1	12/04/04	3390.57	sheen	35.65	0.00	3,354.92
MW - 1	12/13/04	3390.57	sheen	35.42	0.00	3,355.15
MW - 1	12/20/04	3390.57	sheen	35.30	0.00	3,355.27
MW - 1	12/30/04	3390.57	sheen	35.04	0.00	3,355.53
MW - 1	01/03/05	3390.57	sheen	35.01	0.00	3,355.56
MW - 1	01/10/05	3390.57	sheen	35.21	0.00	3,355.36
MW - 1	01/17/05	3390.57	sheen	35.19	0.00	3,355.38
MW - 1	01/24/05	3390.57	sheen	35.17	0.00	3,355.40
MW - 1	01/31/05	3390.57	sheen	35.29	0.00	3,355.28
MW - 1	02/07/05	3390.57	sheen	35.21	0.00	3,355.36
MW - 1	02/14/05	3390.57	sheen	35.28	0.00	3,355.29
MW - 1	02/21/05	3390.57	sheen	35.25	0.00	3,355.32
MW - 1	02/28/05	3390.57	sheen	35.29	0.00	3,355.28
MW - 1	03/07/05	3390.57	-	35.07	0.00	3,355.50
MW - 1	03/07/05	3390.57	sheen	35.07	0.00	3,355.50
MW - 1	03/16/05	3390.57	sheen	35.00	0.00	3,355.57
MW - 1	03/21/05	3390.57	sheen	34.95	0.00	3,355.62
MW - 1	03/28/05	3390.57	sheen	35.04	0.00	3,355.53
MW - 1	04/04/05	3390.57	sheen	35.07	0.00	3,355.50
MW - 1	04/13/05	3390.57	sheen	35.09	0.00	3,355.48
MW - 1	04/18/05	3390.57	sheen	35.10	0.00	3,355.47
MW - 1	05/23/05	3390.57	sheen	35.24	0.00	3,355.33
MW - 1	06/07/05	3390.57	-	35.05	0.00	3,355.52
MW - 1	06/21/05	3390.57	sheen	35.20	0.00	3,355.37
MW - 1	07/26/05	3390.57	sheen	35.05	0.00	3,355.52
MW - 1	08/25/05	3390.57	sheen	35.23	0.00	3,355.34
MW - 1	09/07/05	3390.57	sheen	35.20	0.00	3,355.37
MW - 1	09/26/05	3390.57	sheen	35.35	0.00	3,355.22
MONITOR WELL RISER WAS EXTENDED & RESURVEYED - NOTE ELEVATION CHANGE						
MW - 1	11/14/05	3391.62	sheen	49.84	0.00	3,341.78
MW - 1	12/14/05	3391.62	-	46.80	0.00	3,344.82
MW - 1	12/28/05	3391.62	sheen	46.55	0.00	3,345.07
MW - 1	01/12/06	3391.62	-	46.47	0.00	3,345.15
MW - 1	01/18/06	3391.62	sheen	46.56	0.00	3,345.06
MW - 1	02/15/06	3391.62	sheen	46.40	0.00	3,345.22
MW - 1	03/06/06	3391.62	-	46.50	0.00	3,345.12
MW - 1	03/20/06	3391.62	sheen	46.57	0.00	3,345.05
MW - 1	04/13/06	3391.62	sheen	46.39	0.00	3,345.23
MW - 1	04/19/06	3391.62	sheen	46.50	0.00	3,345.12
MW - 1	05/25/06	3391.62	sheen	46.24	0.00	3,345.38
MW - 1	06/05/06	3391.62	sheen	46.22	0.00	3,345.40
MW - 1	09/11/06	3391.62	sheen	46.71	0.00	3,344.91

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	10/31/06	3391.62	sheen	46.91	0.00	3,344.71
MW - 1	11/16/06	3391.62	sheen	46.80	0.00	3,344.82
MW - 1	11/21/06	3391.62	sheen	46.76	0.00	3,344.86
MW - 1	01/26/07	3391.62	sheen	46.66	0.00	3,344.96
MW - 1	01/31/07	3391.62	sheen	46.53	0.00	3,345.09
MW - 1	02/15/07	3391.62	-	46.61	0.00	3,345.01
MW - 1	02/20/07	3391.62	-	46.56	0.00	3,345.06
MW - 1	05/15/07	3391.62	-	46.74	0.00	3,344.88
MW - 1	08/09/07	3391.62	-	46.48	0.00	3,345.14
MW - 1	10/01/07	3391.62	sheen	46.73	0.00	3,344.89
MW - 1	10/12/07	3391.62	sheen	46.73	0.00	3,344.89
MW - 1	11/13/07	3391.62	-	46.82	0.00	3,344.80
MW - 1	02/14/08	3391.62	-	46.99	0.00	3,344.63
MW - 1	04/18/08	3391.62	-	46.11	0.00	3,345.51
MW - 1	05/16/08	3391.62	-	46.31	0.00	3,345.31
MW - 1	06/08/08	3391.62	-	46.40	0.00	3,345.22
MW - 1	07/15/08	3391.62	-	46.70	0.00	3,344.92
MW - 1	07/16/08	3391.62	-	46.76	0.00	3,344.86
MW - 1	08/12/08	3391.62	-	46.80	0.00	3,344.82
MW - 1	08/19/08	3391.62	-	46.85	0.00	3,344.77
MW - 1	10/28/08	3391.62	-	47.08	0.00	3,344.54
MW - 1	11/19/08	3391.62	-	46.18	0.00	3,345.44
MW - 1	11/24/08	3391.62	-	47.32	0.00	3,344.30
MW - 1	12/17/08	3391.62	-	47.09	0.00	3,344.53
MW - 1	02/18/09	3391.62	-	46.34	0.00	3,345.28
MW - 1	03/03/09	3391.62	-	46.19	0.00	3,345.43
MW - 1	03/10/09	3391.62	-	46.43	0.00	3,345.19
MW - 1	03/18/09	3391.62	-	46.55	0.00	3,345.07
MW - 1	03/27/09	3391.62	-	46.55	0.00	3,345.07
MW - 1	04/07/09	3391.62	-	46.69	0.00	3,344.93
MW - 1	04/14/09	3391.62	-	46.75	0.00	3,344.87
MW - 1	04/28/09	3391.62	-	46.83	0.00	3,344.79
MW - 1	05/19/09	3391.62		46.91	0.00	3,344.71
MW - 1	05/27/09	3391.62	-	47.04	0.00	3,344.58
MW - 1	06/04/09	3391.62	-	47.02	0.00	3,344.60
MW - 1	06/12/09	3391.62	-	47.08	0.00	3,344.54
MW - 1	06/18/09	3391.62	-	47.12	0.00	3,344.50
MW - 1	06/30/09	3391.62	-	46.20	0.00	3,345.42
MW - 1	07/07/09	3391.62	-	47.14	0.00	3,344.48
MW - 1	07/14/09	3391.62	-	47.15	0.00	3,344.47
MW - 1	07/21/09	3391.62	-	47.21	0.00	3,344.41
MW - 1	07/28/09	3391.62	-	47.14	0.00	3,344.48
MW - 1	08/07/09	3391.62	-	47.16	0.00	3,344.46
MW - 1	08/13/09	3391.62	-	47.13	0.00	3,344.49

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	08/21/09	3391.62	-	47.17	0.00	3,344.45
MW - 1	08/27/09	3391.62	-	47.21	0.00	3,344.41
MW - 1	09/10/09	3391.62	-	47.20	0.00	3,344.42
MW - 1	09/18/09	3391.62	-	47.22	0.00	3,344.40
MW - 1	09/29/09	3391.62	-	47.16	0.00	3,344.46
MW - 1	10/06/09	3391.62	-	47.17	0.00	3,344.45
MW - 1	10/20/09	3391.62	-	47.16	0.00	3,344.46
MW - 1	10/27/09	3391.62	-	47.17	0.00	3,344.45
MW - 1	11/11/09	3391.62	-	47.24	0.00	3,344.38
MW - 1	11/13/09	3391.62	-	47.12	0.00	3,344.50
MW - 1	12/08/09	3391.62	-	47.17	0.00	3,344.45
MW - 1	12/22/09	3391.62	-	47.18	0.00	3,344.44
MW - 1	01/12/10	3391.62	-	47.20	0.00	3,344.42
MW - 1	01/22/10	3391.62	-	47.16	0.00	3,344.46
MW - 1	02/04/10	3391.62	-	47.30	0.00	3,344.32
MW - 1	03/03/10	3391.62	-	47.49	0.00	3,344.13
MW - 1	03/16/10	3391.62	-	48.61	0.00	3,343.01
MW - 1	04/15/10	3391.62	-	47.53	0.00	3,344.09
MW - 1	05/07/10	3391.62	-	47.49	0.00	3,344.13
MW - 1	05/28/10	3391.62	-	47.61	0.00	3,344.01
MW - 1	06/08/10	3391.62	-	47.53	0.00	3,344.09
MW - 1	06/25/10	3391.62	-	47.49	0.00	3,344.13
MW - 1	07/08/10	3391.62	-	47.56	0.00	3,344.06
MW - 1	07/28/10	3391.62	-	47.51	0.00	3,344.11
MW - 1	08/06/10	3391.62	-	47.48	0.00	3,344.14
MW - 1	08/31/10	3391.62	-	47.62	0.00	3,344.00
MW - 1	09/10/10	3391.62	-	47.61	0.00	3,344.01
MW - 1	09/24/10	3391.62	-	47.63	0.00	3,343.99
MW - 1	10/06/10	3391.62	-	47.65	0.00	3,343.97
MW - 1	10/26/10	3391.62	-	47.16	0.00	3,344.46
MW - 1	11/05/10	3391.62	-	47.50	0.00	3,344.12
MW - 1	12/17/10	3391.62	-	47.14	0.00	3,344.48
MW - 1	01/13/11	3391.62	sheen	47.69	0.00	3,343.93
MW - 1	02/11/11	3391.62	-	47.50	0.00	3,344.12
MW - 1	05/09/11	3391.62	-	47.51	0.00	3,344.11
MW - 1	05/20/11	3391.62	-	47.93	0.00	3,343.69
MW - 1	06/29/11	3391.62	-	47.80	0.00	3,343.82
MW - 1	07/05/11	3391.62	-	47.82	0.00	3,343.80
MW - 1	07/25/11	3391.62	-	47.72	0.00	3,343.90
MW - 1	08/05/11	3391.62	-	47.53	0.00	3,344.09
MW - 1	08/11/11	3391.62	-	47.81	0.00	3,343.81
MW - 1	08/24/11	3391.62	-	47.90	0.00	3,343.72
MW - 1	09/09/11	3391.62	-	48.55	0.00	3,343.07
MW - 1	09/23/11	3391.62	-	48.60	0.00	3,343.02

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	10/26/11	3391.62	-	48.59	0.00	3,343.03
MW - 1	11/17/11	3391.62	-	48.53	0.00	3,343.09
MW - 1	01/30/12	3391.62	-	48.52	0.00	3,343.10
MW - 1	02/28/12	3391.62	-	48.33	0.00	3,343.29
MW - 1	03/15/12	3391.62	-	48.52	0.00	3,343.10
MW - 1	03/28/12	3391.62	47.97	48.33	0.36	3,343.60
MW - 1	04/05/12	3391.62	-	48.17	0.00	3,343.45
MW - 1	04/23/12	3391.62	-	48.17	0.00	3,343.45
MW - 1	05/03/12	3391.62	-	48.22	0.00	3,343.40
MW - 1	06/28/12	3391.62	-	48.49	0.00	3,343.13
MW - 1	08/24/12	3391.62	-	48.65	0.00	3,342.97
MW - 1	10/12/12	3391.62	48.56	48.59	0.03	3,343.06
MW - 1	10/24/12	3391.62	48.43	48.44	0.01	3,343.19
MW - 1	11/15/12	3391.62	48.46	48.47	0.01	3,343.16
MW - 1	12/20/12	3391.62	48.46	48.47	0.01	3,343.16
MW - 1	01/14/13	3391.62	-	48.31	0.00	3,343.31
MW - 1	02/14/13	3391.62	-	48.34	0.00	3,343.28
MW - 1	03/29/13	3391.62	-	48.27	0.00	3,343.35
MW - 1	04/19/13	3391.62	-	48.27	0.00	3,343.35
MW - 1	04/30/13	3391.62	-	48.23	0.00	3,343.39
MW - 1	05/28/13	3391.62	-	48.26	0.00	3,343.36
MW - 1	05/23/13	3391.62	-	48.31	0.00	3,343.31
MW - 1	05/30/13	3391.62	-	48.26	0.00	3,343.36
MW - 1	06/06/13	3391.62	-	48.36	0.00	3,343.26
MW - 1	06/13/13	3391.62	-	48.41	0.00	3,343.21
MW - 1	06/19/13	3391.62	-	48.42	0.00	3,343.20
MW - 1	07/30/13	3391.62	-	48.65	0.00	3,342.97
MW - 1	08/06/13	3391.62	-	48.62	0.00	3,343.00
MW - 1	08/09/13	3391.62	-	48.69	0.00	3,342.93
MW - 1	08/30/13	3391.62	-	48.77	0.00	3,342.85
MW - 1	09/12/13	3391.62	-	48.93	0.00	3,342.69
MW - 1	10/03/13	3391.62	-	48.96	0.00	3,342.66
MW - 1	11/01/13	3391.62	-	48.89	0.00	3,342.73
MW - 1	11/07/13	3391.62	-	48.89	0.00	3,342.73
MW - 1	12/10/13	3391.62	-	49.04	0.00	3,342.58
MW - 1	01/01/14	3391.62	-	48.85	0.00	3,342.77
MW - 1	01/16/14	3391.62	-	48.83	0.00	3,342.79
MW - 1	01/23/14	3391.62	-	48.93	0.00	3,342.69
MW - 1	01/28/14	3391.62	-	48.99	0.00	3,342.63
MW - 1	02/11/14	3391.62	-	48.98	0.00	3,342.64
MW - 1	03/05/14	3391.62	-	48.95	0.00	3,342.67
MW - 1	03/13/14	3391.62	-	48.95	0.00	3,342.67
MW - 1	03/29/14	3391.62	-	48.86	0.00	3,342.76
MW - 1	04/08/14	3391.62	-	48.94	0.00	3,342.68

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	04/17/14	3391.62	-	48.85	0.00	3,342.77
MW - 1	04/25/14	3391.62	-	48.77	0.00	3,342.85
MW - 1	05/01/14	3391.62	-	48.77	0.00	3,342.85
MW - 1	05/08/14	3391.62	-	48.75	0.00	3,342.87
MW - 1	05/14/14	3391.62	-	48.77	0.00	3,342.85
MW - 1	05/23/14	3391.62	-	48.89	0.00	3,342.73
MW - 1	05/27/14	3391.62	-	48.90	0.00	3,342.72
MW - 1	05/29/14	3391.62	-	48.88	0.00	3,342.74
MW - 1	06/11/14	3391.62	-	48.95	0.00	3,342.67
MW - 1	06/05/14	3391.62	-	48.90	0.00	3,342.72
MW - 1	06/18/14	3391.62	-	48.93	0.00	3,342.69
MW - 1	06/26/14	3391.62	-	48.98	0.00	3,342.64
MW - 1	07/01/14	3391.62	-	49.10	0.00	3,342.52
MW - 1	07/10/14	3391.62	-	49.03	0.00	3,342.59
MW - 1	07/17/14	3391.62	-	49.13	0.00	3,342.49
MW - 1	07/23/14	3391.62	-	49.20	0.00	3,342.42
MW - 1	07/31/14	3391.62	-	49.19	0.00	3,342.43
MW - 1	08/06/14	3391.62	-	49.12	0.00	3,342.50
MW - 1	08/12/14	3391.62	-	49.20	0.00	3,342.42
MW - 1	08/21/14	3391.62	-	49.22	0.00	3,342.40
MW - 1	09/04/14	3391.62	-	49.18	0.00	3,342.44
MW - 1	10/02/14	3391.62	-	49.20	0.00	3,342.42
MW - 1	10/08/14	3391.62	-	49.17	0.00	3,342.45
MW - 1	10/14/14	3391.62	-	49.15	0.00	3,342.47
MW - 1	10/23/14	3391.62	-	49.03	0.00	3,342.59
MW - 1	10/28/14	3391.62	-	49.11	0.00	3,342.51
MW - 1	11/07/14	3391.62	-	49.02	0.00	3,342.60
MW - 1	11/14/14	3391.62	-	48.91	0.00	3,342.71
MW - 1	11/15/14	3391.62	-	49.02	0.00	3,342.60
MW - 1	12/04/14	3391.62	-	48.96	0.00	3,342.66
MW - 1	12/11/14	3391.62	-	48.96	0.00	3,342.66
MW - 1	12/18/11	3391.62	-	48.91	0.00	3,342.71
MW - 1	12/23/14	3391.62	-	48.95	0.00	3,342.67
MW - 1	02/16/15	3391.62	-	48.60	0.00	3,343.02
MW - 1	02/17/15	3391.62	-	48.64	0.00	3,342.98
MW - 1	02/24/15	3391.62	-	48.57	0.00	3,343.05
MW - 1	03/10/15	3391.62	-	48.53	0.00	3,343.09
MW - 1	03/17/15	3391.62	-	48.50	0.00	3,343.12
MW - 1	03/18/15	3391.62	-	48.44	0.00	3,343.18
MW - 1	03/25/15	3391.62	-	48.46	0.00	3,343.16
MW - 1	04/07/15	3391.62	-	48.41	0.00	3,343.21
MW - 1	04/08/15	3391.62	-	48.36	0.00	3,343.26
MW - 1	04/21/15	3391.62	-	48.43	0.00	3,343.19
MW - 1	04/28/15	3391.62	-	48.94	0.00	3,342.68

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	05/06/15	3391.62	-	48.30	0.00	3,343.32
MW - 1	05/20/15	3391.62	-	48.30	0.00	3,343.32
MW - 1	05/28/15	3391.62	-	48.20	0.00	3,343.42
MW - 1	06/09/15	3391.62	-	48.22	0.00	3,343.40
MW - 1	06/18/15	3391.62	-	48.13	0.00	3,343.49
MW - 1	06/30/15	3391.62	-	48.31	0.00	3,343.31
MW - 1	07/06/15	3391.62	-	48.32	0.00	3,343.30
MW - 1	07/09/15	3391.62	-	48.24	0.00	3,343.38
MW - 1	07/28/15	3391.62	-	48.27	0.00	3,343.35
MW - 1	08/06/15	3391.62	-	48.97	0.00	3,342.65
MW - 1	08/26/15	3391.62	-	48.39	0.00	3,343.23
MW - 1	09/09/15	3391.62	-	48.55	0.00	3,343.07
MW - 1	09/11/15	3391.62	-	48.55	0.00	3,343.07
MW - 1	09/17/15	3391.62	-	48.52	0.00	3,343.10
MW - 1	09/25/15	3391.62	-	48.52	0.00	3,343.10
MW - 1	09/30/15	3391.62	-	48.61	0.00	3,343.01
MW - 1	10/09/15	3391.62	-	48.58	0.00	3,343.04
MW - 1	10/13/15	3391.62	-	48.65	0.00	3,342.97
MW - 1	10/15/15	3391.62	-	48.65	0.00	3,342.97
MW - 1	10/21/15	3391.62	-	48.65	0.00	3,342.97
MW - 1	10/26/15	3391.62	-	48.65	0.00	3,342.97
MW - 1	11/09/15	3391.62	-	48.66	0.00	3,342.96
MW - 1	11/20/15	3391.62	-	48.49	0.00	3,343.13
MW - 1	11/25/15	3391.62	-	48.52	0.00	3,343.10
MW - 1	12/01/15	3391.62	-	48.54	0.00	3,343.08
MW - 1	12/09/15	3391.62	-	48.54	0.00	3,343.08
MW - 1	12/11/15	3391.62	-	48.34	0.00	3,343.28
MW - 1	12/15/15	3391.62	-	48.33	0.00	3,343.29
MW - 1	01/06/16	3391.62	-	48.32	0.00	3,343.30
MW - 1	01/11/16	3391.62	-	48.27	0.00	3,343.35
MW - 1	01/13/16	3391.62	-	48.06	0.00	3,343.56
MW - 1	01/28/16	3391.62	-	48.17	0.00	3,343.45
MW - 1	02/03/16	3391.62	-	48.12	0.00	3,343.50
MW - 1	02/10/16	3391.62	-	47.94	0.00	3,343.68
MW - 1	02/15/16	3391.62	-	48.01	0.00	3,343.61
MW - 1	02/17/16	3391.62	-	48.00	0.00	3,343.62
MW - 1	02/23/16	3391.62	-	47.94	0.00	3,343.68
MW - 1	03/08/16	3391.62	47.79	47.85	0.06	3,343.82
MW - 1	03/16/16	3391.62	47.82	47.86	0.04	3,343.79
MW - 1	03/18/16	3391.62	47.91	48.03	0.12	3,343.69
MW - 1	03/23/16	3391.62	47.85	47.88	0.03	3,343.77
MW - 1	03/29/16	3391.62	47.77	47.93	0.16	3,343.83
MW - 1	04/04/16	3391.62	47.84	48.06	0.22	3,343.75
MW - 1	04/08/16	3391.62	47.75	47.88	0.13	3,343.85

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	04/12/16	3391.62	47.85	47.96	0.11	3,343.75
MW - 1	04/21/16	3391.62	-	48.01	0.00	3,343.61
MW - 1	05/03/16	3391.62	47.99	48.11	0.12	3,343.61
MW - 1	05/12/16	3391.62	-	47.80	0.00	3,343.82
MW - 1	05/26/16	3391.62	47.66	47.69	0.03	3,343.96
MW - 1	06/09/16	3391.62	47.77	47.81	0.04	3,343.84
MW - 1	07/01/16	3391.62	47.96	48.00	0.04	3,343.65
MW - 1	07/20/16	3391.62	48.07	48.15	0.08	3,343.54
MW - 1	07/28/16	3391.62	47.92	47.98	0.06	3,343.69
MW - 1	08/04/16	3391.62	47.83	47.94	0.11	3,343.77
MW - 1	08/10/16	3391.62	47.83	47.96	0.13	3,343.77
MW - 1	08/16/16	3391.62	47.89	48.01	0.12	3,343.71
MW - 1	08/23/16	3391.62	47.87	48.00	0.13	3,343.73
MW - 1	09/12/16	3391.62	47.88	48.05	0.17	3,343.71
MW - 1	09/23/16	3391.62	47.86	48.03	0.17	3,343.73
MW - 1	09/28/16	3391.62	47.91	48.08	0.17	3,343.68
MW - 1	10/12/16	3391.62	47.82	48.00	0.18	3,343.77
MW - 1	10/17/16	3391.62	47.77	47.95	0.18	3,343.82
MW - 1	11/02/16	3391.62	47.79	48.02	0.23	3,343.80
MW - 1	11/09/16	3391.62	47.80	48.04	0.24	3,343.78
MW - 1	11/29/16	3391.62	47.68	47.99	0.31	3,343.89
MW - 1	12/09/16	3391.62	47.68	48.05	0.37	3,343.88
MW - 1	12/16/16	3391.62	47.53	47.83	0.30	3,344.05
MW - 1	12/21/16	3391.62	47.58	47.92	0.34	3,343.99
MW - 1	01/06/17	3391.62	47.59	47.98	0.39	3,343.97
MW - 1	01/13/17	3391.62	47.48	47.84	0.36	3,344.09
MW - 1	01/20/17	3391.62	47.41	47.77	0.36	3,344.16
MW - 1	01/26/17	3391.62	47.51	47.92	0.41	3,344.05
MW - 1	02/03/17	3391.62	47.52	47.94	0.42	3,344.04
MW - 1	02/07/17	3391.62	47.48	47.82	0.34	3,344.09
MW - 1	02/16/17	3391.62	47.40	47.80	0.40	3,344.16
MW - 1	02/20/17	3391.62	47.45	47.79	0.34	3,344.12
MW - 1	02/27/17	3391.62	47.40	47.60	0.20	3,344.19
MW - 1	03/14/17	3391.62	47.41	47.64	0.23	3,344.18
MW - 1	03/21/17	3391.62	47.42	47.50	0.08	3,344.19
MW - 1	03/30/17	3391.62	47.34	47.40	0.06	3,344.27
MW - 1	04/04/17	3391.62	47.33	47.38	0.05	3,344.28
MW - 1	04/10/17	3391.62	47.39	47.46	0.07	3,344.22
MW - 1	04/21/17	3391.62	47.32	47.35	0.03	3,344.30
MW - 1	04/25/17	3391.62	-	47.37	0.00	3,344.25
MW - 1	05/01/17	3391.62	-	47.45	0.00	3,344.17
MW - 1	05/09/17	3391.62	-	47.40	0.00	3,344.22
MW - 1	05/15/17	3391.62	-	47.34	0.00	3,344.28
MW - 1	05/18/17	3391.62	-	47.30	0.00	3,344.32

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	05/22/17	3391.62	-	47.29	0.00	3,344.33
MW - 1	06/05/17	3391.62	-	47.27	0.00	3,344.35
MW - 1	06/14/17	3391.62	-	47.36	0.00	3,344.26
MW - 1	06/20/17	3391.62	-	47.37	0.00	3,344.25
MW - 1	06/27/17	3391.62	-	47.29	0.00	3,344.33
MW - 1	07/03/17	3391.62	-	47.35	0.00	3,344.27
MW - 1	07/11/17	3391.62	-	47.27	0.00	3,344.35
MW - 1	07/20/17	3391.62	-	47.34	0.00	3,344.28
MW - 1	07/24/17	3391.62	-	47.28	0.00	3,344.34
MW - 1	08/03/17	3391.62	-	47.30	0.00	3,344.32
MW - 1	08/08/17	3391.62	-	47.28	0.00	3,344.34
MW - 1	08/17/17	3391.62	-	47.32	0.00	3,344.30
MW - 1	08/21/17	3391.62	-	47.29	0.00	3,344.33
MW - 1	08/29/17	3391.62	47.20	47.22	0.02	3,344.42
MW - 1	09/05/17	3391.62	-	47.31	0.00	3,344.31
MW - 1	09/12/17	3391.62	-	47.15	0.00	3,344.47
MW - 1	09/18/17	3391.62	-	47.16	0.00	3,344.46
MW - 1	10/06/17	3391.62	-	47.27	0.00	3,344.35
MW - 1	10/13/17	3391.62	-	47.25	0.00	3,344.37
MW - 1	10/18/17	3391.62	-	47.34	0.00	3,344.28
MW - 1	10/20/17	3391.62	-	47.25	0.00	3,344.37
MW - 1	10/26/17	3391.62	-	47.13	0.00	3,344.49
MW - 1	10/31/17	3391.62	-	47.21	0.00	3,344.41
MW - 1	11/07/17	3391.62	-	47.35	0.00	3,344.27
MW - 1	11/17/17	3391.62	-	47.10	0.00	3,344.52
MW - 1	12/01/17	3391.62	-	47.18	0.00	3,344.44
MW - 1	12/07/17	3391.62	-	47.15	0.00	3,344.47
MW - 1	12/12/17	3391.62	-	47.18	0.00	3,344.44
MW - 1	12/18/17	3391.62	-	47.06	0.00	3,344.56
MW - 1	12/27/17	3391.62	-	47.03	0.00	3,344.59
MW - 1	01/05/18	3391.62	-	47.04	0.00	3,344.58
MW - 1	01/10/18	3391.62	-	46.91	0.00	3,344.71
MW - 1	01/19/18	3391.62	-	47.05	0.00	3,344.57
MW - 1	01/23/18	3391.62	-	47.22	0.00	3,344.40
MW - 1	01/31/18	3391.62	-	47.12	0.00	3,344.50
MW - 1	02/09/18	3391.62	-	47.03	0.00	3,344.59
MW - 1	02/16/18	3391.62	-	47.11	0.00	3,344.51
MW - 1	02/22/18	3391.62	-	47.05	0.00	3,344.57
MW - 1	03/01/18	3391.62	-	47.08	0.00	3,344.54
MW - 1	03/05/18	3391.62	-	47.02	0.00	3,344.60
MW - 1	03/15/18	3391.62	-	46.97	0.00	3,344.65
MW - 1	03/23/18	3391.62	-	46.97	0.00	3,344.65
MW - 1	03/30/18	3391.62	-	47.03	0.00	3,344.59
MW - 1	04/04/18	3391.62	-	47.02	0.00	3,344.60

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	04/11/18	3391.62	-	47.00	0.00	3,344.62
MW - 1	04/20/18	3391.62	-	46.98	0.00	3,344.64
MW - 1	04/25/18	3391.62	-	47.01	0.00	3,344.61
MW - 1	05/23/18	3391.62	-	46.99	0.00	3,344.63
MW - 1	05/31/18	3391.62	-	47.00	0.00	3,344.62
MW - 1	06/15/18	3391.62	-	47.03	0.00	3,344.59
MW - 1	06/20/18	3391.62	-	47.05	0.00	3,344.57
MW - 1	06/27/18	3391.62	-	47.10	0.00	3,344.52
MW - 1	07/05/18	3391.62	-	47.10	0.00	3,344.52
MW - 1	07/09/18	3391.62	-	47.21	0.00	3,344.41
MW - 1	07/26/18	3391.62	-	47.15	0.00	3,344.47
MW - 1	07/31/18	3391.62	-	47.13	0.00	3,344.49
MW - 1	08/14/18	3391.62	-	47.12	0.00	3,344.50
MW - 1	08/29/18	3391.62	-	47.20	0.00	3,344.42
MW - 1	09/07/18	3391.62	-	47.20	0.00	3,344.42
MW - 1	09/19/18	3391.62	-	47.18	0.00	3,344.44
MW - 1	09/28/18	3391.62	-	47.20	0.00	3,344.42
MW - 1	10/04/18	3391.62	-	47.29	0.00	3,344.33
MW - 1	10/17/18	3391.62	-	47.35	0.00	3,344.27
MW - 1	11/09/18	3391.62	-	47.32	0.00	3,344.30
MW - 1	11/15/18	3391.62	-	47.18	0.00	3,344.44
MW - 1	11/29/18	3391.62	-	47.10	0.00	3,344.52
MW - 1	12/03/18	3391.62	-	47.20	0.00	3,344.42
MW - 1	12/13/18	3391.62	-	47.18	0.00	3,344.44
MW - 1	12/21/18	3391.62	-	47.07	0.00	3,344.55
MW - 1	12/28/18	3391.62	-	47.08	0.00	3,344.54
MW - 1	01/03/19	3391.62	-	47.11	0.00	3,344.51
MW - 1	01/07/19	3391.62	-	47.10	0.00	3,344.52
MW - 1	01/16/19	3391.62	-	47.09	0.00	3,344.53
MW - 1	01/21/19	3391.62	-	47.00	0.00	3,344.62
MW - 1	01/28/19	3391.62	-	47.23	0.00	3,344.39
MW - 1	02/08/19	3391.62	-	47.19	0.00	3,344.43
MW - 1	02/13/19	3391.62	-	47.09	0.00	3,344.53
MW - 1	02/19/19	3391.62	-	46.91	0.00	3,344.71
MW - 1	03/01/19	3391.62	-	47.04	0.00	3,344.58
MW - 1	03/05/19	3391.62	-	47.06	0.00	3,344.56
MW - 1	03/20/19	3391.62	-	47.03	0.00	3,344.59
MW - 1	03/27/19	3391.62	-	46.92	0.00	3,344.70
MW - 1	04/04/19	3391.62	-	47.00	0.00	3,344.62
MW - 1	04/09/19	3391.62	-	46.93	0.00	3,344.69
MW - 1	04/16/19	3391.62	-	46.91	0.00	3,344.71
MW - 1	04/23/19	3391.62	-	46.93	0.00	3,344.69
MW - 1	05/03/19	3391.62	-	46.93	0.00	3,344.69
MW - 1	05/10/19	3391.62	-	46.97	0.00	3,344.65

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	05/15/19	3391.62	-	46.81	0.00	3,344.81
MW - 1	05/23/19	3391.62	-	46.84	0.00	3,344.78
MW - 1	06/11/19	3391.62	-	46.86	0.00	3,344.76
MW - 1	06/20/19	3391.62	-	46.82	0.00	3,344.80
MW - 1	06/25/19	3391.62	-	46.84	0.00	3,344.78
MW - 1	07/03/19	3391.62	-	46.82	0.00	3,344.80
MW - 1	07/15/19	3391.62	-	46.80	0.00	3,344.82
MW - 1	07/31/19	3391.62	-	46.82	0.00	3,344.80
MW - 1	08/15/19	3391.62	-	46.81	0.00	3,344.81
MW - 1	09/06/19	3391.62	-	46.78	0.00	3,344.84
MW - 1	09/10/19	3391.62	-	46.23	0.00	3,345.39
MW - 1	09/18/19	3391.62	-	46.75	0.00	3,344.87
MW - 1	10/18/19	3391.62	-	46.65	0.00	3,344.97
MW - 1	11/01/19	3391.62	-	46.70	0.00	3,344.92
MW - 1	11/13/19	3391.62	-	46.54	0.00	3,345.08
MW - 1	11/25/19	3391.62	-	46.65	0.00	3,344.97
MW - 1	12/05/19	3391.62	-	46.69	0.00	3,344.93
MW - 1	12/12/19	3391.62	-	46.67	0.00	3,344.95
MW - 1	01/24/20	3391.62	-	46.60	0.00	3,345.02
MW - 1	01/31/20	3391.62	-	46.67	0.00	3,344.95
MW - 1	02/06/20	3391.62	-	46.54	0.00	3,345.08
MW - 1	02/21/20	3391.62	-	46.60	0.00	3,345.02
MW - 1	02/14/20	3391.62	-	46.58	0.00	3,345.04
MW - 1	02/25/20	3391.62	-	46.60	0.00	3,345.02
MW - 1	05/28/20	3391.62	-	46.48	0.00	3,345.14
MW - 1	06/15/20	3391.62	-	46.43	0.00	3,345.19
MW - 1	08/27/20	3391.62	-	46.55	0.00	3,345.07
MW - 1	09/10/20	3391.62	-	46.68	0.00	3,344.94
MW - 1	10/21/20	3391.62	-	46.62	0.00	3,345.00
MW - 1	11/02/20	3391.62	-	46.70	0.00	3,344.92
MW - 1	12/01/20	3391.62	-	46.54	0.00	3,345.08
MW - 1	01/06/21	3391.62	-	46.51	0.00	3,345.11
MW - 1	02/04/21	3391.62	-	46.58	0.00	3,345.04
MW - 1	02/12/21	3391.62	-	46.63	0.00	3,344.99
MW - 1	03/31/21	3391.62	-	46.52	0.00	3,345.10
MW - 1	04/13/21	3391.62	-	46.41	0.00	3,345.21
MW - 1	04/26/21	3391.62	-	46.32	0.00	3,345.30
MW - 1	05/11/21	3391.62	-	46.35	0.00	3,345.27
MW - 1	06/17/21	3391.62	-	46.33	0.00	3,345.29
MW - 1	07/12/21	3391.62	-	46.46	0.00	3,345.16
MW - 1	07/28/21	3391.62	-	46.55	0.00	3,345.07
MW - 1	08/10/21	3391.62	-	46.58	0.00	3,345.04
MW - 1	08/19/21	3391.62	-	46.59	0.00	3,345.03
MW - 1	09/14/21	3391.62	-	46.71	0.00	3,344.91

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	09/24/21	3391.62	-	46.70	0.00	3,344.92
MW - 1	10/18/21	3391.62	-	46.75	0.00	3,344.87
MW - 1	10/25/21	3391.62	-	46.74	0.00	3,344.88
MW - 1	11/30/21	3391.62	-	46.76	0.00	3,344.86
MW - 1	01/17/22	3391.62	-	46.74	0.00	3,344.88
MW - 1	03/02/22	3391.62	-	46.87	0.00	3,344.75
MW - 1	04/08/22	3391.62	-	46.90	0.00	3,344.72
MW - 1	05/25/22	3391.62	-	46.93	0.00	3,344.69
MW - 1	09/12/22	3391.62	-	47.33	0.00	3,344.29
MW - 1	11/30/22	3391.62	-	47.39	0.00	3,344.23
MW - 1	12/05/22	3391.62	-	47.36	0.00	3,344.26
MW - 2	03/03/99	3390.85	46.33	49.33	3.00	3,344.07
MW - 2	05/12/99	3390.85	46.46	49.02	2.56	3,344.01
MW - 2	18/23/99	3390.85	46.65	49.38	2.73	3,343.79
MW - 2	11/29/99	3390.85	45.98	46.25	0.27	3,344.83
MW - 2	03/09/00	3390.85	46.68	48.40	1.72	3,343.91
MW - 2	05/11/00	3390.85	46.43	47.96	1.53	3,344.19
MW - 2	09/12/00	3390.85	46.31	47.77	1.46	3,344.32
MW - 2	12/14/00	3390.85	46.21	46.76	0.55	3,344.56
MW - 2	03/21/01	3390.85	46.68	48.40	1.72	3,343.91
MW - 2	05/30/01	3390.85	46.56	48.17	1.61	3,344.05
MW - 2	09/25/01	3390.85	46.74	48.59	1.85	3,343.83
MW - 2	11/17/01	3390.85	46.20	46.76	0.56	3,344.57
MW - 2	02/20/02	3390.85	46.31	47.42	1.11	3,344.37
MW - 2	05/20/02	3390.85	46.69	48.48	1.79	3,343.89
MW - 2	09/24/02	3390.85	47.33	49.90	2.57	3,343.13
MW - 2	10/29/02	3390.85	42.62	50.12	7.50	3,347.11
MW - 2	11/06/02	3390.85	48.32	49.97	1.65	3,342.28
MW - 2	11/13/02	3390.85	47.78	50.16	2.38	3,342.71
MW - 2	01/07/03	3390.85	47.67	50.20	2.53	3,342.80
MW - 2	01/13/03	3390.85	47.67	49.96	2.29	3,342.84
MW - 2	01/27/03	3390.85	48.23	48.26	0.03	3,342.62
MW - 2	02/06/03	3390.85	48.22	48.70	0.48	3,342.56
MW - 2	02/19/03	3390.85	48.25	49.92	1.67	3,342.35
MW - 2	03/05/03	3390.85	48.21	50.01	1.80	3,342.37
MW - 2	03/11/03	3390.85	47.81	48.42	0.61	3,342.95
MW - 2	03/19/03	3390.85	47.96	48.40	0.44	3,342.82
MW - 2	03/25/03	3390.85	47.53	48.31	0.78	3,343.20
MW - 2	04/02/03	3390.85	47.72	48.15	0.43	3,343.07
MW - 2	04/16/03	3390.85	47.66	48.76	1.10	3,343.03
MW - 2	04/23/03	3390.85	47.59	48.52	0.93	3,343.12
MW - 2	04/29/03	3390.85	47.60	48.63	1.03	3,343.10
MW - 2	05/08/03	3390.85	47.64	49.02	1.38	3,343.00

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	05/15/03	3390.85	47.80	49.54	1.74	3,342.79
MW - 2	05/20/03	3390.85	48.01	49.76	1.75	3,342.58
MW - 2	05/27/03	3390.85	48.44	49.51	1.07	3,342.25
MW - 2	06/03/03	3390.85	48.00	49.76	1.76	3,342.59
MW - 2	06/10/03	3390.85	48.13	50.10	1.97	3,342.42
MW - 2	06/25/03	3390.85	48.24	49.44	1.20	3,342.43
MW - 2	07/02/03	3390.85	48.27	50.41	2.14	3,342.26
MW - 2	07/07/03	3390.85	48.23	50.43	2.20	3,342.29
MW - 2	07/22/03	3390.85	sheen	48.19	0.00	3,342.66
MW - 2	07/30/03	3390.85	47.72	49.15	1.43	3,342.92
MW - 2	08/06/03	3390.85	47.69	48.32	0.63	3,343.07
MW - 2	08/13/03	3390.85	47.99	49.10	1.11	3,342.69
MW - 2	08/19/03	3390.85	47.86	49.50	1.64	3,342.74
MW - 2	08/20/03	3390.85	48.17	49.94	1.77	3,342.41
MW - 2	08/25/03	3390.85	48.27	50.28	2.01	3,342.28
MW - 2	09/08/03	3390.85	48.50	49.16	0.66	3,342.25
MW - 2	09/15/03	3390.85	48.55	48.91	0.36	3,342.25
MW - 2	09/24/03	3390.85	48.61	49.11	0.50	3,342.17
MW - 2	09/30/03	3390.85	48.65	49.60	0.95	3,342.06
MW - 2	10/07/03	3390.85	48.56	50.22	1.66	3,342.04
MW - 2	10/22/03	3390.85	48.50	50.28	1.78	3,342.08
MW - 2	10/27/03	3390.85	48.45	50.18	1.73	3,342.14
MW - 2	11/07/03	3390.85	48.56	50.28	1.72	3,342.03
MW - 2	11/10/03	3390.85	48.50	50.11	1.61	3,342.11
MW - 2	11/17/03	3390.85	47.98	49.27	1.29	3,342.68
MW - 2	12/08/03	3390.85	47.27	47.32	0.05	3,343.57
MW - 2	12/17/03	3390.85	47.95	49.29	1.34	3,342.70
MW - 2	12/22/03	3390.85	48.49	50.18	1.69	3,342.11
MW - 2	01/02/04	3390.85	46.81	46.83	0.02	3,344.04
MW - 2	01/06/04	3390.85	48.50	50.06	1.56	3,342.12
MW - 2	01/19/04	3390.85	47.28	47.30	0.02	3,343.57
MW - 2	01/26/04	3390.85	47.36	47.39	0.03	3,343.49
MW - 2	02/02/04	3390.85	47.38	47.41	0.03	3,343.47
MW - 2	02/09/04	3390.85	47.00	47.21	0.21	3,343.82
MW - 2	02/19/04	3390.85	47.04	47.05	0.01	3,343.81
MW - 2	02/23/04	3390.85	47.02	47.20	0.18	3,343.80
MW - 2	03/01/04	3390.85	46.99	47.18	0.19	3,343.83
MW - 2	03/10/04	3390.85	47.07	47.19	0.12	3,343.76
MW - 2	03/15/04	3390.85	sheen	47.55	0.00	3,343.30
MW - 2	03/23/04	3390.85	48.05	48.06	0.01	3,342.80
MW - 2	03/30/04	3390.85	48.17	48.26	0.09	3,342.67
MW - 2	04/12/04	3390.85	48.10	48.13	0.03	3,342.75
MW - 2	04/20/04	3390.85	sheen	47.58	0.00	3,343.27
MW - 2	05/03/04	3390.85	sheen	48.11	0.00	3,342.74

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	05/04/04	3390.85	sheen	48.11	0.00	3,342.74
MW - 2	06/09/04	3390.85	48.07	48.59	0.52	3,342.70
MW - 2	06/16/04	3390.85	48.08	48.54	0.46	3,342.70
MW - 2	06/23/04	3390.85	48.13	48.55	0.42	3,342.66
MW - 2	06/30/04	3390.85	48.10	48.51	0.41	3,342.69
MW - 2	07/13/04	3390.85	48.28	49.06	0.78	3,342.45
MW - 2	07/22/04	3390.85	48.44	49.36	0.92	3,342.27
MW - 2	08/23/04	3390.85	48.38	49.70	1.32	3,342.27
MW - 2	09/13/04	3390.85	48.36	49.97	1.61	3,342.25
MW - 2	09/22/04	3390.85	48.41	50.35	1.94	3,342.15
MW - 2	09/29/04	3390.85	48.30	49.80	1.50	3,342.33
MW - 2	10/04/04	3390.85	47.84	48.76	0.92	3,342.87
MW - 2	10/11/04	3390.85	47.74	48.45	0.71	3,343.00
MW - 2	10/19/04	3390.85	47.73	48.63	0.90	3,342.99
MW - 2	10/25/04	3390.85	47.79	48.59	0.80	3,342.94
MW - 2	11/01/04	3390.85	47.98	49.10	1.12	3,342.70
MW - 2	11/09/04	3390.85	48.01	48.96	0.95	3,342.70
MW - 2	11/17/04	3390.85	47.90	49.10	1.20	3,342.77
MW - 2	11/22/04	3390.85	48.03	48.87	0.84	3,342.69
MW - 2	11/29/04	3390.85	46.53	47.00	0.47	3,344.25
MW - 2	12/04/04	3390.85	47.22	47.40	0.18	3,343.60
MW - 2	12/13/04	3390.85	46.99	47.07	0.08	3,343.85
MW - 2	12/20/04	3390.85	47.03	47.12	0.09	3,343.81
MW - 2	12/30/04	3390.85	46.65	46.67	0.02	3,344.20
MW - 2	01/03/05	3390.85	sheen	46.59	0.00	3,344.26
MW - 2	01/10/05	3390.85	47.10	47.18	0.08	3,343.74
MW - 2	01/17/05	3390.85	sheen	46.76	0.00	3,344.09
MW - 2	01/24/05	3390.85	sheen	46.82	0.00	3,344.03
MW - 2	01/31/05	3390.85	sheen	46.89	0.00	3,343.96
MW - 2	02/07/05	3390.85	sheen	46.81	0.00	3,344.04
MW - 2	02/14/05	3390.85	sheen	46.93	0.00	3,343.92
MW - 2	02/21/05	3390.85	sheen	46.87	0.00	3,343.98
MW - 2	02/28/05	3390.85	sheen	46.90	0.00	3,343.95
MW - 2	03/07/05	3390.85	-	46.75	0.00	3,344.10
MW - 2	03/07/05	3390.85	sheen	46.75	0.00	3,344.10
MW - 2	03/16/05	3390.85	sheen	46.58	0.00	3,344.27
MW - 2	03/21/05	3390.85	sheen	46.52	0.00	3,344.33
MW - 2	03/28/05	3390.85	sheen	46.67	0.00	3,344.18
MW - 2	04/04/05	3390.85	sheen	46.66	0.00	3,344.19
MW - 2	04/13/05	3390.85	sheen	46.67	0.00	3,344.18
MW - 2	04/18/05	3390.85	sheen	46.64	0.00	3,344.21
MW - 2	05/23/05	3390.85	sheen	46.89	0.00	3,343.96
MW - 2	06/07/05	3390.85	-	46.67	0.00	3,344.18
MW - 2	06/21/05	3390.85	sheen	46.83	0.00	3,344.02

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	07/26/05	3390.85	sheen	46.69	0.00	3,344.16
MW - 2	08/25/05	3390.85	sheen	46.71	0.00	3,344.14
MW - 2	09/07/05	3390.85	-	46.68	0.00	3,344.17
MW - 2	09/26/05	3390.85	sheen	46.78	0.00	3,344.07
MW - 2	11/14/05	3390.85	sheen	46.51	0.00	3,344.34
MW - 2	12/14/05	3390.85	-	46.09	0.00	3,344.76
MW - 2	12/28/05	3390.85	sheen	45.81	0.00	3,345.04
MW - 2	01/18/06	3390.85	sheen	45.89	0.00	3,344.96
MW - 2	02/15/06	3390.85	sheen	45.71	0.00	3,345.14
MW - 2	03/06/06	3390.85	sheen	45.83	0.00	3,345.02
MW - 2	03/20/06	3390.85	sheen	45.90	0.00	3,344.95
MW - 2	04/13/06	3390.85	sheen	45.72	0.00	3,345.13
MW - 2	04/19/06	3390.85	sheen	45.81	0.00	3,345.04
MW - 2	05/25/06	3390.85	sheen	45.55	0.00	3,345.30
MW - 2	06/05/06	3390.85	sheen	45.52	0.00	3,345.33
MW - 2	09/11/06	3390.85	sheen	46.08	0.00	3,344.77
MW - 2	10/31/06	3390.85	sheen	46.30	0.00	3,344.55
MW - 2	11/16/06	3390.85	sheen	46.13	0.00	3,344.72
MW - 2	11/21/06	3390.85	sheen	46.97	0.00	3,343.88
MW - 2	01/26/07	3390.85	sheen	46.02	0.00	3,344.83
MW - 2	01/31/07	3390.85	sheen	45.91	0.00	3,344.94
MW - 2	02/15/07	3390.85	-	45.96	0.00	3,344.89
MW - 2	02/20/07	3390.85	sheen	45.94	0.00	3,344.91
MW - 2	05/15/07	3390.85	sheen	46.04	0.00	3,344.81
MW - 2	08/09/07	3390.85	sheen	45.82	0.00	3,345.03
MW - 2	10/01/07	3390.85	sheen	46.11	0.00	3,344.74
MW - 2	10/12/07	3390.85	sheen	46.11	0.00	3,344.74
MW - 2	11/13/07	3390.85	sheen	46.14	0.00	3,344.71
MW - 2	02/14/08	3390.85	-	46.40	0.00	3,344.45
MW - 2	04/18/08	3390.85	-	45.42	0.00	3,345.43
MW - 2	05/16/08	3390.85	-	45.67	0.00	3,345.18
MW - 2	07/15/08	3390.85	-	46.10	0.00	3,344.75
MW - 2	07/16/08	3390.85	-	46.18	0.00	3,344.67
MW - 2	08/12/08	3390.85	-	46.23	0.00	3,344.62
MW - 2	08/19/08	3390.85	-	46.21	0.00	3,344.64
MW - 2	10/09/08	3390.85	-	46.41	0.00	3,344.44
MW - 2	11/19/08	3390.85	-	46.29	0.00	3,344.56
MW - 2	12/17/08	3390.85	-	46.45	0.00	3,344.40
MW - 2	02/18/09	3390.85	-	45.66	0.00	3,345.19
MW - 2	03/03/09	3390.85	-	45.65	0.00	3,345.20
MW - 2	03/10/09	3390.85	-	45.83	0.00	3,345.02
MW - 2	03/18/09	3390.85	-	45.91	0.00	3,344.94
MW - 2	03/27/09	3390.85	-	45.92	0.00	3,344.93
MW - 2	04/07/09	3390.85	-	46.09	0.00	3,344.76

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	04/14/09	3390.85	-	46.12	0.00	3,344.73
MW - 2	04/28/09	3390.85	-	46.22	0.00	3,344.63
MW - 2	05/19/09	3390.85	-	46.32	0.00	3,344.53
MW - 2	05/27/09	3390.85	-	46.42	0.00	3,344.43
MW - 2	06/04/09	3390.85	-	46.41	0.00	3,344.44
MW - 2	06/12/09	3390.85	-	46.46	0.00	3,344.39
MW - 2	06/18/09	3390.85	-	46.52	0.00	3,344.33
MW - 2	06/30/09	3390.85	-	45.63	0.00	3,345.22
MW - 2	07/07/09	3390.85	-	46.52	0.00	3,344.33
MW - 2	07/14/09	3390.85	-	46.53	0.00	3,344.32
MW - 2	07/21/09	3390.85	-	46.58	0.00	3,344.27
MW - 2	07/28/09	3390.85	-	46.51	0.00	3,344.34
MW - 2	08/07/09	3390.85	-	46.53	0.00	3,344.32
MW - 2	08/13/09	3390.85	-	46.50	0.00	3,344.35
MW - 2	08/21/09	3390.85	-	46.53	0.00	3,344.32
MW - 2	08/27/09	3390.85	-	46.56	0.00	3,344.29
MW - 2	09/10/09	3390.85	-	46.56	0.00	3,344.29
MW - 2	09/18/09	3390.85	-	46.54	0.00	3,344.31
MW - 2	09/29/09	3390.85	-	46.53	0.00	3,344.32
MW - 2	10/06/09	3390.85	-	46.54	0.00	3,344.31
MW - 2	10/20/09	3390.85	-	46.55	0.00	3,344.30
MW - 2	10/27/09	3390.85	-	46.56	0.00	3,344.29
MW - 2	11/11/09	3390.85	-	46.61	0.00	3,344.24
MW - 2	11/13/09	3390.85	-	46.50	0.00	3,344.35
MW - 2	12/08/09	3390.85	-	46.53	0.00	3,344.32
MW - 2	12/22/09	3390.85	-	46.55	0.00	3,344.30
MW - 2	01/12/10	3390.85	-	46.60	0.00	3,344.25
MW - 2	01/22/10	3390.85	-	46.58	0.00	3,344.27
MW - 2	02/04/10	3390.85	-	46.68	0.00	3,344.17
MW - 2	03/03/10	3390.85	-	46.89	0.00	3,343.96
MW - 2	03/16/10	3390.85	-	46.90	0.00	3,343.95
MW - 2	04/15/10	3390.85	-	46.91	0.00	3,343.94
MW - 2	05/07/10	3390.85	-	46.87	0.00	3,343.98
MW - 2	05/28/10	3390.85	-	46.96	0.00	3,343.89
MW - 2	06/08/10	3390.85	-	46.90	0.00	3,343.95
MW - 2	06/25/10	3390.85	-	46.88	0.00	3,343.97
MW - 2	07/08/10	3390.85	-	46.86	0.00	3,343.99
MW - 2	07/28/10	3390.85	-	46.90	0.00	3,343.95
MW - 2	08/06/10	3390.85	-	46.88	0.00	3,343.97
MW - 2	08/31/10	3390.85	-	46.99	0.00	3,343.86
MW - 2	09/10/10	3390.85	-	46.99	0.00	3,343.86
MW - 2	09/24/10	3390.85	-	46.95	0.00	3,343.90
MW - 2	10/06/10	3390.85	-	46.96	0.00	3,343.89
MW - 2	10/26/10	3390.85	-	46.58	0.00	3,344.27

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	11/05/10	3390.85	-	46.90	0.00	3,343.95
MW - 2	12/17/10	3390.85	-	46.57	0.00	3,344.28
MW - 2	01/13/11	3390.85	sheen	46.97	0.00	3,343.88
MW - 2	02/11/11	3390.85	-	46.91	0.00	3,343.94
MW - 2	05/09/11	3390.85	-	46.90	0.00	3,343.95
MW - 2	05/20/11	3390.85	-	47.34	0.00	3,343.51
MW - 2	06/29/11	3390.85	-	47.39	0.00	3,343.46
MW - 2	07/05/11	3390.85	-	47.59	0.00	3,343.26
MW - 2	07/25/11	3390.85	-	47.61	0.00	3,343.24
MW - 2	08/05/11	3390.85	-	46.91	0.00	3,343.94
MW - 2	08/11/11	3390.85	-	47.65	0.00	3,343.20
MW - 2	08/24/11	3390.85	-	47.76	0.00	3,343.09
MW - 2	09/09/11	3390.85	-	47.84	0.00	3,343.01
MW - 2	09/23/11	3390.85	-	47.91	0.00	3,342.94
MW - 2	10/26/11	3390.85	-	47.88	0.00	3,342.97
MW - 2	11/17/11	3390.85	-	47.87	0.00	3,342.98
MW - 2	01/30/12	3390.85	-	47.89	0.00	3,342.96
MW - 2	02/28/12	3390.85	-	47.69	0.00	3,343.16
MW - 2	03/15/12	3390.85	-	47.59	0.00	3,343.26
MW - 2	03/28/12	3390.85	-	47.50	0.00	3,343.35
MW - 2	04/05/12	3390.85	-	47.53	0.00	3,343.32
MW - 2	04/23/12	3390.85	-	45.52	0.00	3,345.33
MW - 2	05/03/12	3390.85	-	47.65	0.00	3,343.20
MW - 2	06/28/12	3390.85	-	47.89	0.00	3,342.96
MW - 2	08/24/12	3390.85	48.08	48.25	0.17	3,342.74
MW - 2	10/12/12	3390.85	47.87	48.49	0.62	3,342.89
MW - 2	10/24/12	3390.85	47.77	48.21	0.44	3,343.01
MW - 2	11/15/12	3390.85	47.79	48.31	0.52	3,342.98
MW - 2	12/20/12	3390.85	47.75	48.41	0.66	3,343.00
MW - 2	01/14/13	3390.85	47.63	48.11	0.48	3,343.15
MW - 2	02/14/13	3390.85	47.61	48.11	0.50	3,343.17
MW - 2	03/29/13	3390.85	47.56	47.88	0.32	3,343.24
MW - 2	04/19/13	3390.85	47.55	47.94	0.39	3,343.24
MW - 2	04/30/13	3390.85	47.51	47.82	0.31	3,343.29
MW - 2	05/23/13	3390.85	47.55	48.11	0.56	3,343.22
MW - 2	05/28/13	3390.85	47.56	48.04	0.48	3,343.22
MW - 2	05/30/13	3390.85	47.56	48.06	0.50	3,343.22
MW - 2	06/06/13	3390.85	47.62	48.41	0.79	3,343.11
MW - 2	06/13/13	3390.85	47.63	48.47	0.84	3,343.09
MW - 2	06/19/13	3390.85	47.63	48.39	0.76	3,343.11
MW - 2	07/30/13	3390.85	47.80	49.08	1.28	3,342.86
MW - 2	08/06/13	3390.85	47.82	49.03	1.21	3,342.85
MW - 2	08/09/13	3390.85	47.86	49.17	1.31	3,342.79
MW - 2	08/30/13	3390.85	47.91	49.19	1.28	3,342.75

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	09/12/13	3390.85	47.97	49.17	1.20	3,342.70
MW - 2	10/03/13	3390.85	48.00	49.16	1.16	3,342.68
MW - 2	11/01/13	3390.85	48.09	49.37	1.28	3,342.57
MW - 2	11/07/13	3390.85	48.14	49.27	1.13	3,342.54
MW - 2	12/10/13	3390.85	48.04	49.23	1.19	3,342.63
MW - 2	01/01/14	3390.85	47.95	49.05	1.10	3,342.74
MW - 2	01/16/14	3390.85	48.28	49.02	0.74	3,342.46
MW - 2	01/23/14	3390.85	48.10	49.50	1.40	3,342.54
MW - 2	01/28/14	3390.85	48.15	49.32	1.17	3,342.52
MW - 2	02/11/14	3390.85	48.10	49.25	1.15	3,342.58
MW - 2	03/05/14	3390.85	48.08	49.42	1.34	3,342.57
MW - 2	03/13/14	3390.85	48.06	49.35	1.29	3,342.60
MW - 2	03/29/14	3390.85	48.01	49.30	1.29	3,342.65
MW - 2	04/08/14	3390.85	48.08	49.40	1.32	3,342.57
MW - 2	04/17/14	3390.85	48.08	49.37	1.29	3,342.58
MW - 2	04/25/14	3390.85	48.00	49.12	1.12	3,342.68
MW - 2	05/01/14	3390.85	48.02	49.10	1.08	3,342.67
MW - 2	05/08/14	3390.85	48.00	48.99	0.99	3,342.70
MW - 2	05/14/14	3390.85	48.00	48.95	0.95	3,342.71
MW - 2	05/23/14	3390.85	48.06	49.23	1.17	3,342.61
MW - 2	05/27/14	3390.85	48.06	49.09	1.03	3,342.64
MW - 2	05/29/14	3390.85	48.15	49.02	0.87	3,342.57
MW - 2	06/11/14	3390.85	48.12	49.28	1.16	3,342.56
MW - 2	06/05/14	3390.85	48.09	49.25	1.16	3,342.59
MW - 2	06/18/14	3390.85	48.14	49.35	1.21	3,342.53
MW - 2	06/26/14	3390.85	48.14	49.48	1.34	3,342.51
MW - 2	07/01/14	3390.85	48.25	49.43	1.18	3,342.42
MW - 2	07/10/14	3390.85	48.24	49.73	1.49	3,342.39
MW - 2	07/17/14	3390.85	48.24	49.85	1.61	3,342.37
MW - 2	07/23/14	3390.85	48.38	49.55	1.17	3,342.29
MW - 2	07/31/14	3390.85	48.40	49.36	0.96	3,342.31
MW - 2	08/06/14	3390.85	48.45	49.03	0.58	3,342.31
MW - 2	08/12/14	3390.85	48.50	49.13	0.63	3,342.26
MW - 2	08/21/14	3390.85	49.05	49.68	0.63	3,341.71
MW - 2	09/04/14	3390.85	48.57	49.43	0.86	3,342.15
MW - 2	10/02/14	3390.85	48.29	49.70	1.41	3,342.35
MW - 2	10/08/14	3390.85	48.29	49.31	1.02	3,342.41
MW - 2	10/14/14	3390.85	48.29	49.34	1.05	3,342.40
MW - 2	10/17/14	3390.85	48.34	49.19	0.85	3,342.38
MW - 2	10/23/14	3390.85	48.25	49.32	1.07	3,342.44
MW - 2	10/24/14	3390.85	48.25	49.32	1.07	3,342.44
MW - 2	10/28/14	3390.85	48.27	49.17	0.90	3,342.45
MW - 2	11/07/14	3390.85	48.15	49.27	1.12	3,342.53
MW - 2	11/14/14	3390.85	48.17	49.24	1.07	3,342.52

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	11/15/14	3390.85	48.13	49.14	1.01	3,342.57
MW - 2	12/04/14	3390.85	48.14	49.21	1.07	3,342.55
MW - 2	12/11/14	3390.85	48.12	49.19	1.07	3,342.57
MW - 2	12/18/14	3390.85	48.00	49.02	1.02	3,342.70
MW - 2	12/23/14	3390.85	48.11	49.17	1.06	3,342.58
MW - 2	01/07/15	3390.85	48.05	49.00	0.95	3,342.66
MW - 2	01/15/15	3390.85	47.96	49.08	1.12	3,342.72
MW - 2	01/28/15	3390.85	47.57	48.86	1.29	3,343.09
MW - 2	02/04/15	3390.85	47.83	48.48	0.65	3,342.92
MW - 2	02/13/15	3390.85	47.85	48.52	0.67	3,342.90
MW - 2	02/16/15	3390.85	47.83	48.43	0.60	3,342.93
MW - 2	02/17/15	3390.85	47.87	48.53	0.66	3,342.88
MW - 2	02/24/15	3390.85	47.82	48.36	0.54	3,342.95
MW - 2	03/10/15	3390.85	47.78	48.24	0.46	3,343.00
MW - 2	03/17/15	3390.85	47.76	48.22	0.46	3,343.02
MW - 2	03/18/15	3390.85	47.72	48.13	0.41	3,343.07
MW - 2	03/25/15	3390.85	47.71	48.07	0.36	3,343.09
MW - 2	04/07/15	3390.85	47.70	48.00	0.30	3,343.11
MW - 2	04/08/15	3390.85	47.62	47.85	0.23	3,343.20
MW - 2	04/21/15	3390.85	47.67	47.71	0.04	3,343.17
MW - 2	04/28/15	3390.85	48.14	49.14	1.00	3,342.56
MW - 2	05/06/15	3390.85	47.59	47.76	0.17	3,343.23
MW - 2	05/20/15	3390.85	-	47.54	0.00	3,343.31
MW - 2	05/28/15	3390.85	-	47.42	0.00	3,343.43
MW - 2	06/02/15	3390.85	-	47.46	0.00	3,343.39
MW - 2	06/09/15	3390.85	-	47.44	0.00	3,343.41
MW - 2	06/18/15	3390.85	-	47.52	0.00	3,343.33
MW - 2	06/30/15	3390.85	-	47.54	0.00	3,343.31
MW - 2	07/06/15	3390.85	-	47.54	0.00	3,343.31
MW - 2	07/09/15	3390.85	-	47.51	0.00	3,343.34
MW - 2	07/21/15	3390.85	-	47.50	0.00	3,343.35
MW - 2	07/28/15	3390.85	-	47.50	0.00	3,343.35
MW - 2	08/06/15	3390.85	48.17	49.14	0.97	3,342.53
MW - 2	08/11/15	3390.85	-	47.55	0.00	3,343.30
MW - 2	08/18/15	3390.85	-	47.54	0.00	3,343.31
MW - 2	08/26/15	3390.85	-	47.70	0.00	3,343.15
MW - 2	09/11/15	3390.85	-	47.71	0.00	3,343.14
MW - 2	09/17/15	3390.85	-	47.73	0.00	3,343.12
MW - 2	09/25/15	3390.85	47.86	47.87	0.01	3,342.99
MW - 2	09/30/15	3390.85	47.81	47.82	0.01	3,343.04
MW - 2	10/06/15	3390.85	47.80	47.81	0.01	3,343.05
MW - 2	10/09/15	3390.85	47.90	47.91	0.01	3,342.95
MW - 2	10/13/15	3390.85	47.89	47.90	0.01	3,342.96
MW - 2	10/15/15	3390.85	47.88	47.89	0.01	3,342.97

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	10/21/15	3390.85	48.78	48.89	0.11	3,342.05
MW - 2	10/26/15	3390.85	48.78	48.88	0.10	3,342.06
MW - 2	11/09/15	3390.85	47.88	47.92	0.04	3,342.96
MW - 2	11/20/15	3390.85	47.76	47.81	0.05	3,343.08
MW - 2	11/25/15	3390.85	47.94	47.95	0.01	3,342.91
MW - 2	12/01/15	3390.85	-	47.86	0.00	3,342.99
MW - 2	12/09/15	3390.85	-	47.87	0.00	3,342.98
MW - 2	12/11/15	3390.85	-	47.63	0.00	3,343.22
MW - 2	12/15/15	3390.85	-	48.11	0.00	3,342.74
MW - 2	01/06/16	3390.85	-	47.56	0.00	3,343.29
MW - 2	01/11/16	3390.85	-	47.48	0.00	3,343.37
MW - 2	01/13/16	3390.85	-	47.33	0.00	3,343.52
MW - 2	01/28/16	3390.85	-	47.50	0.00	3,343.35
MW - 2	02/03/16	3390.85	-	47.39	0.00	3,343.46
MW - 2	02/10/16	3390.85	-	47.37	0.00	3,343.48
MW - 2	02/15/16	3390.85	-	47.24	0.00	3,343.61
MW - 2	02/17/16	3390.85	-	47.29	0.00	3,343.56
MW - 2	02/23/16	3390.85	-	47.27	0.00	3,343.58
MW - 2	03/08/16	3390.85	-	47.22	0.00	3,343.63
MW - 2	03/16/16	3390.85	-	47.18	0.00	3,343.67
MW - 2	03/18/16	3390.85	-	47.30	0.00	3,343.55
MW - 2	03/23/16	3390.85	-	47.13	0.00	3,343.72
MW - 2	03/29/16	3390.85	-	47.09	0.00	3,343.76
MW - 2	04/04/16	3390.85	-	47.23	0.00	3,343.62
MW - 2	04/08/16	3390.85	-	47.15	0.00	3,343.70
MW - 2	04/12/16	3390.85	-	47.30	0.00	3,343.55
MW - 2	05/03/16	3390.85	-	47.42	0.00	3,343.43
MW - 2	05/12/16	3390.85	-	47.15	0.00	3,343.70
MW - 2	05/26/16	3390.85	-	47.10	0.00	3,343.75
MW - 2	06/09/16	3390.85	-	47.16	0.00	3,343.69
MW - 2	07/01/16	3390.85	-	47.20	0.00	3,343.65
MW - 2	07/20/16	3390.85	-	47.39	0.00	3,343.46
MW - 2	07/28/16	3390.85	-	47.26	0.00	3,343.59
MW - 2	08/04/16	3390.85	-	47.24	0.00	3,343.61
MW - 2	08/10/16	3390.85	-	47.33	0.00	3,343.52
MW - 2	08/16/16	3390.85	-	47.34	0.00	3,343.51
MW - 2	08/23/16	3390.85	-	47.32	0.00	3,343.53
MW - 2	09/12/16	3390.85	-	47.30	0.00	3,343.55
MW - 2	09/23/16	3390.85	-	47.29	0.00	3,343.56
MW - 2	09/28/16	3390.85	-	47.31	0.00	3,343.54
MW - 2	10/12/16	3390.85	-	47.23	0.00	3,343.62
MW - 2	10/17/16	3390.85	-	47.17	0.00	3,343.68
MW - 2	11/02/16	3390.85	-	47.21	0.00	3,343.64
MW - 2	11/09/16	3390.85	-	47.22	0.00	3,343.63

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	11/29/16	3390.85	-	47.06	0.00	3,343.79
MW - 2	12/16/16	3390.85	-	46.94	0.00	3,343.91
MW - 2	12/21/16	3390.85	-	47.03	0.00	3,343.82
MW - 2	01/13/17	3390.85	-	46.89	0.00	3,343.96
MW - 2	01/20/17	3390.85	-	46.83	0.00	3,344.02
MW - 2	01/26/17	3390.85	-	46.93	0.00	3,343.92
MW - 2	02/07/17	3390.85	-	46.88	0.00	3,343.97
MW - 2	02/20/17	3390.85	-	46.83	0.00	3,344.02
MW - 2	02/27/17	3390.85	-	46.81	0.00	3,344.04
MW - 2	03/30/17	3390.85	-	46.70	0.00	3,344.15
MW - 2	04/04/17	3390.85	-	46.70	0.00	3,344.15
MW - 2	04/21/17	3390.85	-	46.68	0.00	3,344.17
MW - 2	05/18/17	3390.85	-	46.65	0.00	3,344.20
MW - 2	07/20/17	3390.85	-	47.63	0.00	3,343.22
MW - 2	08/29/17	3390.85	-	46.54	0.00	3,344.31
MW - 2	10/13/17	3390.85	-	46.44	0.00	3,344.41
MW - 2	10/20/17	3390.85	-	46.44	0.00	3,344.41
MW - 2	11/07/17	3390.85	-	46.48	0.00	3,344.37
MW - 2	01/31/18	3390.85	-	46.29	0.00	3,344.56
MW - 2	02/22/18	3390.85	-	46.37	0.00	3,344.48
MW - 2	03/15/18	3390.85	-	46.42	0.00	3,344.43
MW - 2	04/20/18	3390.85	-	46.39	0.00	3,344.46
MW - 2	05/23/18	3390.85	-	46.42	0.00	3,344.43
MW - 2	06/27/18	3390.85	-	46.45	0.00	3,344.40
MW - 2	07/31/18	3390.85	-	46.65	0.00	3,344.20
MW - 2	08/14/18	3390.85	-	46.49	0.00	3,344.36
MW - 2	08/29/18	3390.85	-	46.58	0.00	3,344.27
MW - 2	09/07/18	3390.85	-	46.57	0.00	3,344.28
MW - 2	09/28/18	3390.85	-	46.57	0.00	3,344.28
MW - 2	10/04/18	3390.85	-	46.61	0.00	3,344.24
MW - 2	10/17/18	3390.85	-	46.68	0.00	3,344.17
MW - 2	11/09/18	3390.85	-	46.71	0.00	3,344.14
MW - 2	11/15/18	3390.85	-	46.60	0.00	3,344.25
MW - 2	11/29/18	3390.85	-	46.42	0.00	3,344.43
MW - 2	12/03/18	3390.85	-	46.49	0.00	3,344.36
MW - 2	12/13/18	3390.85	-	46.50	0.00	3,344.35
MW - 2	12/21/18	3390.85	-	46.45	0.00	3,344.40
MW - 2	12/28/18	3390.85	-	46.52	0.00	3,344.33
MW - 2	01/03/19	3390.85	-	46.47	0.00	3,344.38
MW - 2	01/07/19	3390.85	-	46.43	0.00	3,344.42
MW - 2	01/16/19	3390.85	-	46.49	0.00	3,344.36
MW - 2	01/21/19	3390.85	-	46.36	0.00	3,344.49
MW - 2	01/28/19	3390.85	-	46.42	0.00	3,344.43
MW - 2	02/08/19	3390.85	-	46.46	0.00	3,344.39

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	02/13/19	3390.85	-	46.32	0.00	3,344.53
MW - 2	02/19/19	3390.85	-	46.28	0.00	3,344.57
MW - 2	03/01/19	3390.85	-	46.40	0.00	3,344.45
MW - 2	03/05/19	3390.85	-	46.44	0.00	3,344.41
MW - 2	03/20/19	3390.85	-	46.49	0.00	3,344.36
MW - 2	03/27/19	3390.85	-	46.33	0.00	3,344.52
MW - 2	04/04/19	3390.85	-	46.42	0.00	3,344.43
MW - 2	04/09/19	3390.85	-	46.29	0.00	3,344.56
MW - 2	04/16/19	3390.85	-	46.35	0.00	3,344.50
MW - 2	04/23/19	3390.85	-	46.38	0.00	3,344.47
MW - 2	05/03/19	3390.85	-	46.42	0.00	3,344.43
MW - 2	05/10/19	3390.85	-	46.35	0.00	3,344.50
MW - 2	05/23/19	3390.85	-	46.20	0.00	3,344.65
MW - 2	06/11/19	3390.85	-	46.21	0.00	3,344.64
MW - 2	06/20/19	3390.85	-	46.16	0.00	3,344.69
MW - 2	06/25/19	3390.85	-	46.19	0.00	3,344.66
MW - 2	07/03/19	3390.85	-	46.16	0.00	3,344.69
MW - 2	07/15/19	3390.85	-	46.14	0.00	3,344.71
MW - 2	07/31/19	3390.85	-	46.17	0.00	3,344.68
MW - 2	08/07/19	3390.85	-	46.27	0.00	3,344.58
MW - 2	08/15/19	3390.85	-	46.14	0.00	3,344.71
MW - 2	08/23/19	3390.85	-	46.17	0.00	3,344.68
MW - 2	09/06/19	3390.85	-	46.12	0.00	3,344.73
MW - 2	09/10/19	3390.85	-	46.09	0.00	3,344.76
MW - 2	09/18/19	3390.85	-	46.08	0.00	3,344.77
MW - 2	10/18/19	3390.85	-	45.98	0.00	3,344.87
MW - 2	11/01/19	3390.85	-	46.08	0.00	3,344.77
MW - 2	11/13/19	3390.85	-	45.91	0.00	3,344.94
MW - 2	11/25/19	3390.85	-	46.64	0.00	3,344.21
MW - 2	12/05/19	3390.85	-	46.05	0.00	3,344.80
MW - 2	12/12/19	3390.85	-	45.93	0.00	3,344.92
MW - 2	12/19/19	3390.85	-	45.95	0.00	3,344.90
MW - 2	12/27/19	3390.85	-	45.92	0.00	3,344.93
MW - 2	01/16/20	3390.85	-	45.98	0.00	3,344.87
MW - 2	01/24/20	3390.85	-	45.93	0.00	3,344.92
MW - 2	02/06/20	3390.85	-	45.88	0.00	3,344.97
MW - 2	02/14/20	3390.85	-	45.90	0.00	3,344.95
MW - 2	02/21/20	3390.85	-	45.97	0.00	3,344.88
MW - 2	02/25/20	3390.85	-	45.94	0.00	3,344.91
MW - 2	05/28/20	3390.85	-	45.82	0.00	3,345.03
MW - 2	06/15/20	3390.85	-	45.82	0.00	3,345.03
MW - 2	07/01/20	3390.85	-	45.82	0.00	3,345.03
MW - 2	07/29/20	3390.85	-	46.00	0.00	3,344.85
MW - 2	08/20/20	3390.85	-	46.05	0.00	3,344.80

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	08/27/20	3390.85	-	46.06	0.00	3,344.79
MW - 2	09/10/20	3390.85	-	46.12	0.00	3,344.73
MW - 2	10/21/20	3390.85	-	46.12	0.00	3,344.73
MW - 2	11/02/20	3390.85	-	46.06	0.00	3,344.79
MW - 2	12/01/20	3390.85	-	45.84	0.00	3,345.01
MW - 2	12/07/20	3390.85	-	45.97	0.00	3,344.88
MW - 2	01/06/21	3390.85	-	45.88	0.00	3,344.97
MW - 2	02/04/21	3390.85	-	45.92	0.00	3,344.93
MW - 2	02/12/21	3390.85	-	45.91	0.00	3,344.94
MW - 2	03/31/21	3390.85	-	45.85	0.00	3,345.00
MW - 2	04/13/21	3390.85	-	45.73	0.00	3,345.12
MW - 2	04/26/21	3390.85	-	45.66	0.00	3,345.19
MW - 2	05/11/21	3390.85	-	45.67	0.00	3,345.18
MW - 2	06/17/21	3390.85	-	45.72	0.00	3,345.13
MW - 2	07/12/21	3390.85	-	45.84	0.00	3,345.01
MW - 2	07/28/21	3390.85	-	45.97	0.00	3,344.88
MW - 2	08/10/21	3390.85	-	45.89	0.00	3,344.96
MW - 2	08/19/21	3390.85	-	45.97	0.00	3,344.88
MW - 2	09/14/21	3390.85	-	46.06	0.00	3,344.79
MW - 2	09/24/21	3390.85	-	46.10	0.00	3,344.75
MW - 2	10/18/21	3390.85	-	46.13	0.00	3,344.72
MW - 2	10/25/21	3390.85	-	46.13	0.00	3,344.72
MW - 2	11/04/21	3390.85	-	46.18	0.00	3,344.67
MW - 2	11/30/21	3390.85	-	46.13	0.00	3,344.72
MW - 2	12/27/21	3390.85	-	46.11	0.00	3,344.74
MW - 2	01/03/22	3390.85	-	46.23	0.00	3,344.62
MW - 2	01/17/22	3390.85	-	46.17	0.00	3,344.68
MW - 2	02/11/22	3390.85	-	46.14	0.00	3,344.71
MW - 2	03/02/22	3390.85	-	46.23	0.00	3,344.62
MW - 2	03/24/22	3390.85	-	46.24	0.00	3,344.61
MW - 2	04/08/22	3390.85	-	46.30	0.00	3,344.55
MW - 2	04/22/22	3390.85	-	46.22	0.00	3,344.63
MW - 2	05/06/22	3390.85	-	46.29	0.00	3,344.56
MW - 2	05/25/22	3390.85	-	46.22	0.00	3,344.63
MW - 2	06/20/22	3390.85	-	46.40	0.00	3,344.45
MW - 2	07/11/22	3390.85	-	46.52	0.00	3,344.33
MW - 2	08/19/22	3390.85	-	46.60	0.00	3,344.25
MW - 2	09/12/22	3390.85	-	46.65	0.00	3,344.20
MW - 2	09/21/22	3390.85	-	46.69	0.00	3,344.16
MW - 2	10/05/22	3390.85	-	46.77	0.00	3,344.08
MW - 2	11/22/22	3390.85	-	46.76	0.00	3,344.09
MW - 2	11/30/22	3390.85	-	46.75	0.00	3,344.10
MW - 2	12/05/22	3390.85	-	46.70	0.00	3,344.15

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 3	02/03/99	3391.08	-	47.09	0.00	3,343.99
MW - 3	05/12/99	3391.08	-	47.06	0.00	3,344.02
MW - 3	08/23/99	3391.08	-	47.24	0.00	3,343.84
MW - 3	11/29/99	3391.08	-	46.18	0.00	3,344.90
MW - 3	03/09/00	3391.08	-	47.17	0.00	3,343.91
MW - 3	05/11/00	3391.08	-	46.95	0.00	3,344.13
MW - 3	09/12/00	3391.08	-	46.89	0.00	3,344.19
MW - 3	12/14/00	3391.08	-	46.55	0.00	3,344.53
MW - 3	03/21/01	3391.08	-	46.18	0.00	3,344.90
MW - 3	05/30/01	3391.08	-	46.90	0.00	3,344.18
MW - 3	06/21/01	3391.08	-	47.12	0.00	3,343.96
MW - 3	09/25/01	3391.08	-	47.12	0.00	3,343.96
MW - 3	11/17/01	3391.08	-	46.83	0.00	3,344.25
MW - 3	02/20/02	3391.08	-	46.69	0.00	3,344.39
MW - 3	05/20/02	3391.08	-	47.11	0.00	3,343.97
MW - 3	09/24/02	3391.08	-	47.88	0.00	3,343.20
MW - 3	10/29/02	3391.08	-	48.13	0.00	3,342.95
MW - 3	11/13/02	3391.08	-	48.20	0.00	3,342.88
MW - 3	02/06/03	3391.08	-	48.22	0.00	3,342.86
MW - 3	05/08/03	3391.08	-	47.94	0.00	3,343.14
MW - 3	08/19/03	3391.08	-	48.20	0.00	3,342.88
MW - 3	11/07/03	3391.08	-	48.54	0.00	3,342.54
MW - 3	02/09/04	3391.08	-	47.22	0.00	3,343.86
MW - 3	05/04/04	3391.08	-	47.94	0.00	3,343.14
MW - 3	08/23/04	3391.08	-	48.66	0.00	3,342.42
MW - 3	12/04/04	3391.08	-	47.39	0.00	3,343.69
MW - 3	03/07/05	3391.08	-	46.78	0.00	3,344.30
MW - 3	06/07/05	3391.08	-	46.79	0.00	3,344.29
MW - 3	09/07/05	3391.08	-	46.78	0.00	3,344.30
MW - 3	12/14/05	3391.08	-	46.25	0.00	3,344.83
MW - 3	03/06/06	3391.08	-	45.96	0.00	3,345.12
MW - 3	06/05/06	3391.08	-	45.65	0.00	3,345.43
MW - 3	09/11/06	3391.08	-	46.16	0.00	3,344.92
MW - 3	11/21/06	3391.08	-	46.25	0.00	3,344.83
MW - 3	02/20/07	3391.08	-	46.06	0.00	3,345.02
MW - 3	05/15/07	3391.08	-	46.25	0.00	3,344.83
MW - 3	08/09/07	3391.08	-	45.99	0.00	3,345.09
MW - 3	11/13/07	3391.08	-	46.21	0.00	3,344.87
MW - 3	02/14/08	3391.08	-	43.34	0.00	3,347.74
MW - 3	05/16/08	3391.08	-	45.76	0.00	3,345.32
MW - 3	08/19/08	3391.08	-	46.32	0.00	3,344.76
MW - 3	10/09/08	3391.08	-	46.48	0.00	3,344.60
MW - 3	10/23/08	3391.08	-	46.54	0.00	3,344.54
MW - 3	10/28/08	3391.08	-	46.51	0.00	3,344.57

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 3	11/19/08	3391.08	-	46.44	0.00	3,344.64
MW - 3	11/24/08	3391.08	-	46.99	0.00	3,344.09
MW - 3	02/18/09	3391.08	-	45.79	0.00	3,345.29
MW - 3	05/19/09	3391.08	-	46.48	0.00	3,344.60
MW - 3	07/07/09	3391.08	-	46.64	0.00	3,344.44
MW - 3	07/14/09	3391.08	-	46.66	0.00	3,344.42
MW - 3	07/28/09	3391.08	-	46.65	0.00	3,344.43
MW - 3	08/07/09	3391.08	-	46.66	0.00	3,344.42
MW - 3	08/13/09	3391.08	-	46.64	0.00	3,344.44
MW - 3	09/10/09	3391.08	-	46.72	0.00	3,344.36
MW - 3	09/18/09	3391.08	-	46.76	0.00	3,344.32
MW - 3	09/29/09	3391.08	-	46.66	0.00	3,344.42
MW - 3	10/06/09	3391.08	-	46.68	0.00	3,344.40
MW - 3	10/20/09	3391.08	-	46.69	0.00	3,344.39
MW - 3	10/27/09	3391.08	-	46.68	0.00	3,344.40
MW - 3	11/11/09	3391.08	-	46.76	0.00	3,344.32
MW - 3	12/22/09	3391.08	-	46.76	0.00	3,344.32
MW - 3	01/12/10	3391.08	-	46.72	0.00	3,344.36
MW - 3	02/04/10	3391.08	-	46.78	0.00	3,344.30
MW - 3	03/03/10	3391.08	-	46.99	0.00	3,344.09
MW - 3	04/15/10	3391.08	-	47.09	0.00	3,343.99
MW - 3	05/07/10	3391.08	-	47.11	0.00	3,343.97
MW - 3	08/06/10	3391.08	-	47.12	0.00	3,343.96
MW - 3	11/05/10	3391.08	-	47.14	0.00	3,343.94
MW - 3	02/11/11	3391.08	-	47.14	0.00	3,343.94
MW - 3	05/09/11	3391.08	-	47.16	0.00	3,343.92
MW - 3	08/05/11	3391.08	-	47.20	0.00	3,343.88
MW - 3	11/17/11	3391.08	-	47.98	0.00	3,343.10
MW - 3	02/28/12	3391.08	-	47.77	0.00	3,343.31
MW - 3	05/03/12	3391.08	-	47.75	0.00	3,343.33
MW - 3	08/24/12	3391.08	-	48.09	0.00	3,342.99
MW - 3	11/15/12	3391.08	-	47.92	0.00	3,343.16
MW - 3	02/14/13	3391.08	-	47.80	0.00	3,343.28
MW - 3	05/28/13	3391.08	-	47.75	0.00	3,343.33
MW - 3	08/06/13	3391.08	-	48.08	0.00	3,343.00
MW - 3	11/07/13	3391.08	-	48.41	0.00	3,342.67
MW - 3	03/05/14	3391.08	-	48.39	0.00	3,342.69
MW - 3	05/29/14	3391.08	-	48.38	0.00	3,342.70
MW - 3	07/23/14	3391.08	-	48.65	0.00	3,342.43
MW - 3	08/12/14	3391.08	-	48.66	0.00	3,342.42
MW - 3	10/28/14	3391.08	-	48.49	0.00	3,342.59
MW - 3	11/15/14	3391.08	-	48.38	0.00	3,342.70
MW - 3	02/16/15	3391.08	-	48.04	0.00	3,343.04
MW - 3	03/18/15	3391.08	-	47.93	0.00	3,343.15

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 3	04/08/15	3391.08	-	47.78	0.00	3,343.30
MW - 3	05/28/15	3391.08	-	47.59	0.00	3,343.49
MW - 3	07/09/15	3391.08	-	47.57	0.00	3,343.51
MW - 3	08/26/15	3391.08	-	47.74	0.00	3,343.34
MW - 3	09/11/15	3391.08	-	47.85	0.00	3,343.23
MW - 3	09/25/15	3391.08	-	47.94	0.00	3,343.14
MW - 3	10/09/15	3391.08	-	48.01	0.00	3,343.07
MW - 3	10/15/15	3391.08	-	47.88	0.00	3,343.20
MW - 3	11/20/15	3391.08	-	47.89	0.00	3,343.19
MW - 3	12/11/15	3391.08	-	47.75	0.00	3,343.33
MW - 3	01/13/16	3391.08	-	47.63	0.00	3,343.45
MW - 3	02/17/16	3391.08	-	47.43	0.00	3,343.65
MW - 3	03/18/16	3391.08	-	47.37	0.00	3,343.71
MW - 3	04/08/16	3391.08	-	47.30	0.00	3,343.78
MW - 3	04/12/16	3391.08	-	47.34	0.00	3,343.74
MW - 3	05/03/16	3391.08	-	47.27	0.00	3,343.81
MW - 3	05/26/16	3391.08	-	47.19	0.00	3,343.89
MW - 3	06/09/16	3391.08	-	47.29	0.00	3,343.79
MW - 3	07/01/16	3391.08	-	47.27	0.00	3,343.81
MW - 3	07/20/16	3391.08	-	47.43	0.00	3,343.65
MW - 3	08/04/16	3391.08	-	47.36	0.00	3,343.72
MW - 3	09/28/16	3391.08	-	47.47	0.00	3,343.61
MW - 3	11/29/16	3391.08	-	47.21	0.00	3,343.87
MW - 3	12/16/16	3391.08	-	47.09	0.00	3,343.99
MW - 3	01/26/17	3391.08	-	47.07	0.00	3,344.01
MW - 3	02/27/17	3391.08	-	46.94	0.00	3,344.14
MW - 3	03/30/17	3391.08	-	46.89	0.00	3,344.19
MW - 3	04/21/17	3391.08	-	46.84	0.00	3,344.24
MW - 3	05/18/17	3391.08	-	46.79	0.00	3,344.29
MW - 3	07/20/17	3391.08	-	46.79	0.00	3,344.29
MW - 3	08/29/17	3391.08	-	46.75	0.00	3,344.33
MW - 3	10/13/17	3391.08	-	46.63	0.00	3,344.45
MW - 3	10/20/17	3391.08	-	46.63	0.00	3,344.45
MW - 3	11/07/17	3391.08	-	46.63	0.00	3,344.45
MW - 3	01/31/18	3391.08	-	46.42	0.00	3,344.66
MW - 3	02/22/18	3391.08	-	46.49	0.00	3,344.59
MW - 3	03/15/18	3391.08	-	46.42	0.00	3,344.66
MW - 3	04/20/18	3391.08	-	46.42	0.00	3,344.66
MW - 3	05/22/18	3391.08	-	46.41	0.00	3,344.67
MW - 3	06/27/18	3391.08	-	46.50	0.00	3,344.58
MW - 3	07/31/18	3391.08	-	46.64	0.00	3,344.44
MW - 3	08/29/18	3391.08	-	46.68	0.00	3,344.40
MW - 3	09/28/18	3391.08	-	46.69	0.00	3,344.39
MW - 3	11/29/18	3391.08	-	46.56	0.00	3,344.52

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 3	12/13/18	3391.08	-	46.60	0.00	3,344.48
MW - 3	01/03/19	3391.08	-	46.51	0.00	3,344.57
MW - 3	03/05/19	3391.08	-	46.52	0.00	3,344.56
MW - 3	03/20/19	3391.08	-	46.48	0.00	3,344.60
MW - 3	04/04/19	3391.08	-	46.41	0.00	3,344.67
MW - 3	06/11/19	3391.08	-	46.31	0.00	3,344.77
MW - 3	07/15/19	3391.08	-	42.27	0.00	3,348.81
MW - 3	08/15/19	3391.08	-	46.26	0.00	3,344.82
MW - 3	11/25/19	3391.08	-	46.04	0.00	3,345.04
MW - 3	12/12/19	3391.08	-	46.08	0.00	3,345.00
MW - 3	01/24/20	3391.08	-	46.05	0.00	3,345.03
MW - 3	02/25/20	3391.08	-	46.07	0.00	3,345.01
MW - 3	05/28/20	3391.08	-	45.95	0.00	3,345.13
MW - 3	06/15/20	3391.08	-	45.93	0.00	3,345.15
MW - 3	08/27/20	3391.08	-	46.03	0.00	3,345.05
MW - 3	09/10/20	3391.08	-	46.14	0.00	3,344.94
MW - 3	10/21/20	3391.08	-	46.10	0.00	3,344.98
MW - 3	12/01/20	3391.08	-	45.99	0.00	3,345.09
MW - 3	01/06/21	3391.08	-	46.05	0.00	3,345.03
MW - 3	02/04/21	3391.08	-	46.04	0.00	3,345.04
MW - 3	04/26/21	3391.08	-	45.77	0.00	3,345.31
MW - 3	06/17/21	3391.08	-	45.83	0.00	3,345.25
MW - 3	07/28/21	3391.08	-	45.99	0.00	3,345.09
MW - 3	08/19/21	3391.08	-	46.03	0.00	3,345.05
MW - 3	09/24/21	3391.08	-	46.14	0.00	3,344.94
MW - 3	10/18/21	3391.08	-	46.20	0.00	3,344.88
MW - 3	11/30/21	3391.08	-	46.22	0.00	3,344.86
MW - 3	03/02/22	3391.08	-	46.25	0.00	3,344.83
MW - 3	04/08/22	3391.08	-	46.34	0.00	3,344.74
MW - 3	05/26/22	3391.08	-	46.36	0.00	3,344.72
MW - 3	09/12/22	3391.08	-	46.80	0.00	3,344.28
MW - 3	11/29/22	3391.08	-	46.73	0.00	3,344.35
MW - 4	02/03/99	3390.81	-	47.01	0.00	3,343.80
MW - 4	05/12/99	3390.81	-	46.91	0.00	3,343.90
MW - 4	08/23/99	3390.81	-	47.16	0.00	3,343.65
MW - 4	11/29/99	3390.81	-	46.03	0.00	3,344.78
MW - 4	03/09/00	3390.81	-	46.96	0.00	3,343.85
MW - 4	05/11/00	3390.81	-	46.80	0.00	3,344.01
MW - 4	09/12/00	3390.81	-	46.75	0.00	3,344.06
MW - 4	12/14/00	3390.81	-	46.33	0.00	3,344.48
MW - 4	03/21/01	3390.81	-	46.00	0.00	3,344.81
MW - 4	05/30/01	3390.81	-	46.70	0.00	3,344.11
MW - 4	06/21/01	3390.81	-	47.01	0.00	3,343.80

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 4	09/25/01	3390.81	-	47.02	0.00	3,343.79
MW - 4	11/17/01	3390.81	-	46.63	0.00	3,344.18
MW - 4	02/20/02	3390.81	-	47.47	0.00	3,343.34
MW - 4	05/20/02	3390.81	-	46.96	0.00	3,343.85
MW - 4	09/24/02	3390.81	-	48.78	0.00	3,342.03
MW - 4	10/29/02	3390.81	-	48.08	0.00	3,342.73
MW - 4	11/13/02	3390.81	-	48.18	0.00	3,342.63
MW - 4	02/06/03	3390.81	-	48.15	0.00	3,342.66
MW - 4	05/08/03	3390.81	-	47.82	0.00	3,342.99
MW - 4	08/19/03	3390.81	-	48.14	0.00	3,342.67
MW - 4	11/07/03	3390.81	-	48.43	0.00	3,342.38
MW - 4	02/09/04	3390.81	-	47.06	0.00	3,343.75
MW - 4	05/04/04	3390.81	-	47.82	0.00	3,342.99
MW - 4	08/23/04	3390.81	-	48.66	0.00	3,342.15
MW - 4	09/22/04	3390.81	sheen	48.76	0.00	3,342.05
MW - 4	09/29/04	3390.81	sheen	48.70	0.00	3,342.11
MW - 4	10/04/04	3390.81	sheen	48.10	0.00	3,342.71
MW - 4	10/11/04	3390.81	sheen	47.92	0.00	3,342.89
MW - 4	10/19/04	3390.81	sheen	48.01	0.00	3,342.80
MW - 4	10/25/04	3390.81	sheen	48.12	0.00	3,342.69
MW - 4	11/01/04	3390.81	sheen	48.16	0.00	3,342.65
MW - 4	11/09/04	3390.81	sheen	48.10	0.00	3,342.71
MW - 4	11/17/04	3390.81	sheen	48.16	0.00	3,342.65
MW - 4	11/22/04	3390.81	sheen	48.19	0.00	3,342.62
MW - 4	11/29/04	3390.81	sheen	47.63	0.00	3,343.18
MW - 4	12/04/04	3390.81	-	47.26	0.00	3,343.55
MW - 4	12/13/04	3390.81	sheen	46.80	0.00	3,344.01
MW - 4	12/20/05	3390.81	sheen	46.77	0.00	3,344.04
MW - 4	12/30/04	3390.81	sheen	46.50	0.00	3,344.31
MW - 4	01/03/05	3390.81	sheen	46.54	0.00	3,344.27
MW - 4	01/10/05	3390.81	sheen	46.66	0.00	3,344.15
MW - 4	01/17/05	3390.81	sheen	46.78	0.00	3,344.03
MW - 4	01/24/05	3390.81	sheen	46.82	0.00	3,343.99
MW - 4	01/31/05	3390.81	sheen	46.92	0.00	3,343.89
MW - 4	02/07/05	3390.81	sheen	46.88	0.00	3,343.93
MW - 4	02/14/05	3390.81	sheen	46.89	0.00	3,343.92
MW - 4	02/21/05	3390.81	sheen	46.92	0.00	3,343.89
MW - 4	02/28/05	3390.81	sheen	46.96	0.00	3,343.85
MW - 4	03/07/05	3390.81	-	46.60	0.00	3,344.21
MW - 4	03/07/05	3390.81	sheen	46.60	0.00	3,344.21
MW - 4	03/16/05	3390.81	sheen	46.89	0.00	3,343.92
MW - 4	03/21/05	3390.81	sheen	46.54	0.00	3,344.27
MW - 4	03/28/05	3390.81	sheen	46.66	0.00	3,344.15
MW - 4	04/04/05	3390.81	sheen	46.63	0.00	3,344.18

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 4	04/13/05	3390.81	sheen	46.65	0.00	3,344.16
MW - 4	04/18/05	3390.81	-	46.63	0.00	3,344.18
MW - 4	05/23/05	3390.81	sheen	46.93	0.00	3,343.88
MW - 4	06/07/05	3390.81	-	46.70	0.00	3,344.11
MW - 4	06/21/05	3390.81	sheen	46.90	0.00	3,343.91
MW - 4	07/26/05	3390.81	sheen	46.68	0.00	3,344.13
MW - 4	08/25/05	3390.81	sheen	46.69	0.00	3,344.12
MW - 4	09/07/05	3390.81	sheen	46.73	0.00	3,344.08
MW - 4	09/26/05	3390.81	sheen	46.88	0.00	3,343.93
MONITOR WELL WAS DAMAGED DURING BACKFILLING OPERATIONS						
MW - 4	11/14/05		sheen	46.49	0.00	
MONITOR WELL WAS REPAIRED & RESURVEYED - NOTE CHANGE IN ELEVATION						
MW - 4	-	3390.94	-	-	-	-
MW - 4	12/14/05	3390.94	COULD NOT SAMPLE - OBSTRUCTED			
MW - 4	12/28/05	3390.94	DRY	43.40		3,347.54
MW - 4	01/18/06	3390.94	DRY			
MW - 4	02/15/06	3390.94	DRY			
MW - 4	03/06/06	PLUGGED & ABANDONED				
MW - 5	11/29/99	3391.53	-	46.55	0.00	3,344.98
MW - 5	03/09/00	3391.53	-	47.51	0.00	3,344.02
MW - 5	05/11/00	3391.53	-	47.35	0.00	3,344.18
MW - 5	09/12/00	3391.53	-	47.25	0.00	3,344.28
MW - 5	12/14/00	3391.53	-	46.94	0.00	3,344.59
MW - 5	03/21/01	3391.53	-	46.55	0.00	3,344.98
MW - 5	05/30/01	3391.53	-	47.29	0.00	3,344.24
MW - 5	06/21/01	3391.53	-	47.45	0.00	3,344.08
MW - 5	09/25/01	3391.53	-	47.37	0.00	3,344.16
MW - 5	11/17/01	3391.53	-	47.20	0.00	3,344.33
MW - 5	02/20/02	3391.53	-	47.06	0.00	3,344.47
MW - 5	05/20/02	3391.53	-	47.47	0.00	3,344.06
MW - 5	09/24/02	3391.53	-	48.16	0.00	3,343.37
MW - 5	10/29/02	3391.53	-	48.36	0.00	3,343.17
MW - 5	11/13/02	3391.53	-	48.45	0.00	3,343.08
MW - 5	02/06/03	3391.53	-	48.44	0.00	3,343.09
MW - 5	05/08/03	3391.53	-	48.21	0.00	3,343.32
MW - 5	08/19/03	3391.53	-	48.42	0.00	3,343.11
MW - 5	11/07/03	3391.53	-	48.82	0.00	3,342.71
MW - 5	02/09/04	3391.53	-	47.56	0.00	3,343.97
MW - 5	05/04/04	3391.53	-	48.17	0.00	3,343.36
MW - 5	08/23/04	3391.53	-	48.89	0.00	3,342.64
MW - 5	12/04/04	3391.53	-	47.82	0.00	3,343.71
MW - 5	03/07/05	3391.53	-	47.14	0.00	3,344.39
MW - 5	06/07/05	3391.53	-	47.07	0.00	3,344.46

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 5	0907/05	3391.53	-	47.05	0.00	3,344.48
MW - 5	12/14/05	3391.53	-	46.60	0.00	3,344.93
MW - 5	06/05/06	3391.53	-	46.01	0.00	3,345.52
MW - 5	09/11/06	3391.53	-	46.47	0.00	3,345.06
MW - 5	11/21/06	3391.53	-	46.63	0.00	3,344.90
MW - 5	02/20/07	3391.53	-	46.35	0.00	3,345.18
MW - 5	05/15/07	3391.53	-	46.50	0.00	3,345.03
MW - 5	08/09/07	3391.53	-	46.27	0.00	3,345.26
MW - 5	11/13/07	3391.53	-	46.39	0.00	3,345.14
MW - 5	02/14/08	3391.53	-	44.55	0.00	3,346.98
MW - 5	05/16/08	3391.53	-	46.04	0.00	3,345.49
MW - 5	08/19/08	3391.53	-	46.53	0.00	3,345.00
MW - 5	11/19/08	3391.53	-	46.55	0.00	3,344.98
MW - 5	02/18/09	3391.53	-	46.01	0.00	3,345.52
MW - 5	05/19/09	3391.53	-	46.61	0.00	3,344.92
MW - 5	08/13/09	3391.53	-	46.83	0.00	3,344.70
MW - 5	11/11/09	3391.53	-	46.89	0.00	3,344.64
MW - 5	01/12/10	3391.53	-	46.87	0.00	3,344.66
MW - 5	02/04/10	3391.53	-	46.93	0.00	3,344.60
MW - 5	05/07/10	3391.53	-	46.92	0.00	3,344.61
MW - 5	08/06/10	3391.53	-	46.92	0.00	3,344.61
MW - 5	11/05/10	3391.53	-	46.94	0.00	3,344.59
MW - 5	02/11/11	3391.53	-	46.96	0.00	3,344.57
MW - 5	05/09/11	3391.53	-	46.95	0.00	3,344.58
MW - 5	08/05/11	3391.53	-	46.97	0.00	3,344.56
MW - 5	11/17/11	3391.53	-	48.10	0.00	3,343.43
MW - 5	02/28/12	3391.53	-	47.92	0.00	3,343.61
MW - 5	05/03/12	3391.53	-	47.88	0.00	3,343.65
MW - 5	08/24/12	3391.53	-	48.21	0.00	3,343.32
MW - 5	11/15/12	3391.53	-	48.14	0.00	3,343.39
MW - 5	02/14/13	3391.53	-	47.98	0.00	3,343.55
MW - 5	05/28/13	3391.53	-	47.90	0.00	3,343.63
MW - 5	08/06/13	3391.53	-	48.22	0.00	3,343.31
MW - 5	11/07/13	3391.53	-	48.56	0.00	3,342.97
MW - 5	03/05/14	3391.53	-	48.50	0.00	3,343.03
MW - 5	05/29/14	3391.53	-	48.51	0.00	3,343.02
MW - 5	07/23/14	3391.53	-	48.76	0.00	3,342.77
MW - 5	08/12/14	3391.53	-	48.80	0.00	3,342.73
MW - 5	10/28/14	3391.53	-	48.67	0.00	3,342.86
MW - 5	11/15/14	3391.53	-	48.54	0.00	3,342.99
MW - 5	02/16/15	3391.53	-	48.21	0.00	3,343.32
MW - 5	03/18/15	3391.53	-	48.07	0.00	3,343.46
MW - 5	04/08/15	3391.53	-	47.94	0.00	3,343.59
MW - 5	05/28/15	3391.53	-	47.75	0.00	3,343.78

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 5	07/09/15	3391.53	-	47.72	0.00	3,343.81
MW - 5	08/26/15	3391.53	-	47.90	0.00	3,343.63
MW - 5	09/11/15	3391.53	-	47.99	0.00	3,343.54
MW - 5	09/25/15	3391.53	-	48.07	0.00	3,343.46
MW - 5	10/09/15	3391.53	-	48.15	0.00	3,343.38
MW - 5	10/15/15	3391.53	-	48.04	0.00	3,343.49
MW - 5	11/20/15	3391.53	-	48.04	0.00	3,343.49
MW - 5	12/11/15	3391.53	-	47.91	0.00	3,343.62
MW - 5	01/13/16	3391.53	-	47.74	0.00	3,343.79
MW - 5	02/17/16	3391.53	-	47.58	0.00	3,343.95
MW - 5	03/18/16	3391.53	-	47.52	0.00	3,344.01
MW - 5	04/08/16	3391.53	-	47.45	0.00	3,344.08
MW - 5	04/12/16	3391.53	-	47.49	0.00	3,344.04
MW - 5	05/03/16	3391.53	-	47.40	0.00	3,344.13
MW - 5	05/26/16	3391.53	-	47.34	0.00	3,344.19
MW - 5	06/09/16	3391.53	-	47.45	0.00	3,344.08
MW - 5	07/01/16	3391.53	-	47.43	0.00	3,344.10
MW - 5	07/20/16	3391.53	-	47.59	0.00	3,343.94
MW - 5	08/04/16	3391.53	-	47.53	0.00	3,344.00
MW - 5	09/28/16	3391.53	-	47.61	0.00	3,343.92
MW - 5	11/29/16	3391.53	-	47.38	0.00	3,344.15
MW - 5	12/16/16	3391.53	-	47.27	0.00	3,344.26
MW - 5	01/26/17	3391.53	-	47.28	0.00	3,344.25
MW - 5	02/27/17	3391.53	-	47.11	0.00	3,344.42
MW - 5	03/30/17	3391.53	-	47.07	0.00	3,344.46
MW - 5	04/21/17	3391.53	-	47.02	0.00	3,344.51
MW - 5	05/18/17	3391.53	-	46.98	0.00	3,344.55
MW - 5	07/20/17	3391.53	-	46.97	0.00	3,344.56
MW - 5	08/29/17	3391.53	-	46.92	0.00	3,344.61
MW - 5	10/13/17	3391.53	-	46.82	0.00	3,344.71
MW - 5	10/20/17	3391.53	-	46.82	0.00	3,344.71
MW - 5	11/07/17	3391.53	-	46.83	0.00	3,344.70
MW - 5	01/31/18	3391.53	-	46.62	0.00	3,344.91
MW - 5	02/22/18	3391.53	-	46.68	0.00	3,344.85
MW - 5	03/15/18	3391.53	-	46.62	0.00	3,344.91
MW - 5	04/20/18	3391.53	-	46.63	0.00	3,344.90
MW - 5	05/22/18	3391.53	-	46.61	0.00	3,344.92
MW - 5	06/27/18	3391.53	-	46.70	0.00	3,344.83
MW - 5	07/31/18	3391.53	-	46.83	0.00	3,344.70
MW - 5	08/29/18	3391.53	-	46.87	0.00	3,344.66
MW - 5	11/29/18	3391.53	-	46.74	0.00	3,344.79
MW - 5	12/13/18	3391.53	-	46.80	0.00	3,344.73
MW - 5	09/28/18	3391.53	-	46.87	0.00	3,344.66
MW - 5	01/03/19	3391.53	-	46.70	0.00	3,344.83

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 5	03/05/19	3391.53	-	46.71	0.00	3,344.82
MW - 5	03/20/19	3391.53	-	46.67	0.00	3,344.86
MW - 5	04/04/19	3391.53	-	46.54	0.00	3,344.99
MW - 5	06/11/19	3391.53	-	46.50	0.00	3,345.03
MW - 5	07/15/19	3391.53	-	46.45	0.00	3,345.08
MW - 5	08/15/19	3391.53	-	46.45	0.00	3,345.08
MW - 5	11/25/19	3391.53	-	46.22	0.00	3,345.31
MW - 5	12/12/19	3391.53	-	46.28	0.00	3,345.25
MW - 5	01/24/20	3391.53	-	46.24	0.00	3,345.29
MW - 5	02/25/20	3391.53	-	46.27	0.00	3,345.26
MW - 5	05/28/20	3391.53	-	46.14	0.00	3,345.39
MW - 5	06/15/20	3391.53	-	46.12	0.00	3,345.41
MW - 5	08/27/20	3391.53	-	46.22	0.00	3,345.31
MW - 5	09/10/20	3391.53	-	46.34	0.00	3,345.19
MW - 5	10/21/20	3391.53	-	46.29	0.00	3,345.24
MW - 5	12/01/20	3391.53	-	46.19	0.00	3,345.34
MW - 5	01/06/21	3391.53	-	46.25	0.00	3,345.28
MW - 5	02/04/21	3391.53	-	46.24	0.00	3,345.29
MW - 5	04/26/21	3391.53	-	45.96	0.00	3,345.57
MW - 5	06/16/21	3391.53	-	46.03	0.00	3,345.50
MW - 5	07/28/21	3391.53	-	46.18	0.00	3,345.35
MW - 5	08/19/21	3391.53	-	46.22	0.00	3,345.31
MW - 5	09/24/21	3391.53	-	46.33	0.00	3,345.20
MW - 5	10/18/21	3391.53	-	46.36	0.00	3,345.17
MW - 5	11/30/21	3391.53	-	46.11	0.00	3,345.42
MW - 5	01/17/22	3391.53	-	46.38	0.00	3,345.15
MW - 5	03/02/22	3391.53	-	46.45	0.00	3,345.08
MW - 5	04/08/22	3391.53	-	46.55	0.00	3,344.98
MW - 5	05/26/22	3391.53	-	46.56	0.00	3,344.97
MW - 5	09/12/22	3391.53	-	46.95	0.00	3,344.58
MW - 5	11/29/22	3391.53	-	46.91	0.00	3,344.62
MW - 6	11/29/99	3391.14	-	46.45	0.00	3,344.69
MW - 6	03/09/00	3391.14	-	47.36	0.00	3,343.78
MW - 6	05/11/00	3391.14	-	47.21	0.00	3,343.93
MW - 6	09/12/00	3391.14	-	47.14	0.00	3,344.00
MW - 6	12/14/00	3391.14	-	46.71	0.00	3,344.43
MW - 6	03/21/01	3391.14	-	46.40	0.00	3,344.74
MW - 6	05/30/01	3391.14	-	47.05	0.00	3,344.09
MW - 6	06/21/01	3391.14	-	47.46	0.00	3,343.68
MW - 6	09/25/01	3391.14	-	47.59	0.00	3,343.55
MW - 6	11/17/01	3391.14	-	47.15	0.00	3,343.99
MW - 6	02/20/02	3391.14	-	46.88	0.00	3,344.26
MW - 6	05/20/02	3391.14	-	47.48	0.00	3,343.66

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 6	09/24/02	3391.14	-	48.38	0.00	3,342.76
MW - 6	10/29/02	3391.14	-	48.65	0.00	3,342.49
MW - 6	11/13/02	3391.14	-	48.78	0.00	3,342.36
MW - 6	02/06/03	3391.14	-	48.70	0.00	3,342.44
MW - 6	05/08/03	3391.14	-	48.42	0.00	3,342.72
MW - 6	08/19/03	3391.14	-	48.68	0.00	3,342.46
MW - 6	11/07/03	3391.14	-	48.92	0.00	3,342.22
MW - 6	12/04/04	3391.14	-	47.55	0.00	3,343.59
MW - 6	03/07/05	3391.14	-	47.05	0.00	3,344.09
MW - 6	06/07/05	3391.14	-	47.20	0.00	3,343.94
MW - 6	09/07/05	3391.14	-	47.28	0.00	3,343.86
MW - 6	12/14/05	3391.14	-	46.51	0.00	3,344.63
MW - 6	06/05/06	3391.14	-	45.99	0.00	3,345.15
MW - 6	09/11/06	3391.14	-	46.62	0.00	3,344.52
MW - 6	11/21/06	3391.14	-	46.68	0.00	3,344.46
MW - 6	02/20/07	3391.14	-	46.54	0.00	3,344.60
MW - 6	05/15/07	3391.14	-	46.77	0.00	3,344.37
MW - 6	06/21/07	3391.14	-	46.74	0.00	3,344.40
MW - 6	08/09/07	3391.14	-	46.46	0.00	3,344.68
MW - 6	11/13/07	3391.14	-	46.74	0.00	3,344.40
MW - 6	02/14/08	3391.14	-	46.91	0.00	3,344.23
MW - 6	05/16/08	3391.14	-	46.33	0.00	3,344.81
MW - 6	08/19/08	3391.14	-	46.89	0.00	3,344.25
MW - 6	11/19/08	3391.14	-	46.98	0.00	3,344.16
MW - 6	02/18/09	3391.14	-	45.17	0.00	3,345.97
MW - 6	05/19/09	3391.14	-	47.02	0.00	3,344.12
MW - 6	08/13/09	3391.14	-	47.20	0.00	3,343.94
MW - 6	11/11/09	3391.14	-	47.26	0.00	3,343.88
MW - 6	01/12/10	3391.14	-	47.27	0.00	3,343.87
MW - 6	02/04/10	3391.14	-	47.39	0.00	3,343.75
MW - 6	05/07/10	3391.14	-	47.33	0.00	3,343.81
MW - 6	08/06/10	3391.14	-	47.33	0.00	3,343.81
MW - 6	11/05/10	3391.14	-	47.33	0.00	3,343.81
MW - 6	02/11/11	3391.14	-	47.32	0.00	3,343.82
MW - 6	05/09/11	3391.14	-	47.32	0.00	3,343.82
MW - 6	08/05/11	3391.14	-	47.30	0.00	3,343.84
MW - 6	11/17/11	3391.14	-	48.68	0.00	3,342.46
MW - 6	02/28/12	3391.14	-	48.38	0.00	3,342.76
MW - 6	05/03/12	3391.14	-	48.41	0.00	3,342.73
MW - 6	08/24/12	3391.14	-	48.68	0.00	3,342.46
MW - 6	11/15/12	3391.14	-	48.61	0.00	3,342.53
MW - 6	02/14/13	3391.14	-	48.48	0.00	3,342.66
MW - 6	05/28/13	3391.14	-	48.42	0.00	3,342.72
MW - 6	08/06/13	3391.14	-	48.79	0.00	3,342.35

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 6	11/07/13	3391.14	-	49.12	0.00	3,342.02
MW - 6	03/05/14	3391.14	-	49.15	0.00	3,341.99
MW - 6	05/29/14	3391.14	-	49.17	0.00	3,341.97
MW - 6	07/23/14	3391.14	-	49.43	0.00	3,341.71
MW - 6	08/12/14	3391.14	-	49.46	0.00	3,341.68
MW - 6	10/28/14	3391.14	-	49.24	0.00	3,341.90
MW - 6	11/15/14	3391.14	-	49.12	0.00	3,342.02
MW - 6	02/16/15	3391.14	-	48.77	0.00	3,342.37
MW - 6	03/18/15	3391.14	-	48.67	0.00	3,342.47
MW - 6	04/08/15	3391.14	-	48.54	0.00	3,342.60
MW - 6	05/28/15	3391.14	-	48.31	0.00	3,342.83
MW - 6	07/09/15	3391.14	-	48.27	0.00	3,342.87
MW - 6	08/26/15	3391.14	-	48.45	0.00	3,342.69
MW - 6	09/11/15	3391.14	-	48.56	0.00	3,342.58
MW - 6	09/25/15	3391.14	-	48.67	0.00	3,342.47
MW - 6	10/09/15	3391.14	-	48.71	0.00	3,342.43
MW - 6	10/15/15	3391.14	-	48.64	0.00	3,342.50
MW - 6	11/20/15	3391.14	-	48.62	0.00	3,342.52
MW - 6	12/11/15	3391.14	-	48.48	0.00	3,342.66
MW - 6	01/13/16	3391.14	-	48.28	0.00	3,342.86
MW - 6	02/17/16	3391.14	-	48.10	0.00	3,343.04
MW - 6	03/18/16	3391.14	-	48.07	0.00	3,343.07
MW - 6	04/08/16	3391.14	-	48.02	0.00	3,343.12
MW - 6	04/12/16	3391.14	-	48.06	0.00	3,343.08
MW - 6	05/03/16	3391.14	-	47.97	0.00	3,343.17
MW - 6	05/26/16	3391.14	-	47.95	0.00	3,343.19
MW - 6	06/09/16	3391.14	-	48.03	0.00	3,343.11
MW - 6	07/01/16	3391.14	-	48.01	0.00	3,343.13
MW - 6	07/20/16	3391.14	-	48.09	0.00	3,343.05
MW - 6	08/04/16	3391.14	-	48.09	0.00	3,343.05
MW - 6	09/28/16	3391.14	-	48.16	0.00	3,342.98
MW - 6	11/29/16	3391.14	-	47.89	0.00	3,343.25
MW - 6	12/16/16	3391.14	-	47.80	0.00	3,343.34
MW - 6	01/26/17	3391.14	-	47.77	0.00	3,343.37
MW - 6	02/27/17	3391.14	-	47.60	0.00	3,343.54
MW - 6	03/30/17	3391.14	-	47.57	0.00	3,343.57
MW - 6	04/21/17	3391.14	-	47.50	0.00	3,343.64
MW - 6	05/18/17	3391.14	-	47.47	0.00	3,343.67
MW - 6	07/20/17	3391.14	-	47.45	0.00	3,343.69
MW - 6	08/29/17	3391.14	-	47.37	0.00	3,343.77
MW - 6	10/13/17	3391.14	-	47.28	0.00	3,343.86
MW - 6	10/20/17	3391.14	-	47.28	0.00	3,343.86
MW - 6	11/07/17	3391.14	-	47.28	0.00	3,343.86
MW - 6	01/31/18	3391.14	-	47.08	0.00	3,344.06

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 6	02/22/18	3391.14	-	47.14	0.00	3,344.00
MW - 6	03/15/18	3391.14	-	47.09	0.00	3,344.05
MW - 6	04/20/18	3391.14	-	47.09	0.00	3,344.05
MW - 6	05/23/18	3391.14	-	47.08	0.00	3,344.06
MW - 6	06/27/18	3391.14	-	47.17	0.00	3,343.97
MW - 6	07/31/18	3391.14	-	47.31	0.00	3,343.83
MW - 6	08/29/18	3391.14	-	47.36	0.00	3,343.78
MW - 6	09/28/18	3391.14	-	47.35	0.00	3,343.79
MW - 6	11/29/18	3391.14	-	47.23	0.00	3,343.91
MW - 6	12/13/18	3391.14	-	47.27	0.00	3,343.87
MW - 6	01/03/19	3391.14	-	47.17	0.00	3,343.97
MW - 6	03/05/19	3391.14	-	47.16	0.00	3,343.98
MW - 6	03/20/19	3391.14	-	47.11	0.00	3,344.03
MW - 6	04/04/19	3391.14	-	47.04	0.00	3,344.10
MW - 6	06/11/19	3391.14	-	46.96	0.00	3,344.18
MW - 6	07/15/19	3391.14	-	46.91	0.00	3,344.23
MW - 6	08/15/19	3391.14	-	46.91	0.00	3,344.23
MW - 6	11/25/19	3391.14	-	46.67	0.00	3,344.47
MW - 6	12/12/19	3391.14	-	46.72	0.00	3,344.42
MW - 6	01/24/20	3391.14	-	46.69	0.00	3,344.45
MW - 6	02/25/20	3391.14	-	46.73	0.00	3,344.41
MW - 6	05/28/20	3391.14	-	46.59	0.00	3,344.55
MW - 6	06/15/20	3391.14	-	46.58	0.00	3,344.56
MW - 6	08/27/20	3391.14	-	46.71	0.00	3,344.43
MW - 6	09/10/20	3392.14	-	46.84	0.00	3,345.30
MW - 6	10/21/20	3392.14	-	46.79	0.00	3,345.35
MW - 6	12/01/20	3392.14	-	47.64	0.00	3,344.50
MW - 6	01/06/21	3391.14	-	46.71	0.00	3,344.43
MW - 6	02/04/21	3391.14	-	46.70	0.00	3,344.44
MW - 6	04/26/21	3391.14	-	46.43	0.00	3,344.71
MW - 6	06/17/21	3391.14	-	46.50	0.00	3,344.64
MW - 6	07/28/21	3391.14	-	46.68	0.00	3,344.46
MW - 6	08/19/21	3391.14	-	46.73	0.00	3,344.41
MW - 6	09/24/21	3391.14	-	46.84	0.00	3,344.30
MW - 6	10/18/21	3391.14	-	46.87	0.00	3,344.27
MW - 6	11/30/21	3391.14	-	46.91	0.00	3,344.23
MW - 6	01/17/22	3391.14	-	46.88	0.00	3,344.26
MW - 6	03/02/22	3391.14	-	46.93	0.00	3,344.21
MW - 6	04/08/22	3391.14	-	47.02	0.00	3,344.12
MW - 6	05/26/22	3391.14	-	47.05	0.00	3,344.09
MW - 6	09/12/22	3391.14	-	47.41	0.00	3,343.73
MW - 6	11/29/22	3391.14	-	47.44	0.00	3,343.70
MW - 7	11/29/99	3391.21	-	46.52	0.00	3,344.69

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 7	03/09/00	3391.21	-	47.41	0.00	3,343.80
MW - 7	05/11/00	3391.21	-	47.31	0.00	3,343.90
MW - 7	09/12/00	3391.21	-	47.23	0.00	3,343.98
MW - 7	12/14/00	3391.21	-	46.75	0.00	3,344.46
MW - 7	03/21/01	3391.21	-	46.49	0.00	3,344.72
MW - 7	05/30/01	3391.21	-	47.12	0.00	3,344.09
MW - 7	06/21/01	3391.21	-	47.52	0.00	3,343.69
MW - 7	09/25/01	3391.21	-	47.48	0.00	3,343.73
MW - 7	11/17/01	3391.21	-	47.08	0.00	3,344.13
MW - 7	02/20/02	3391.21	-	46.82	0.00	3,344.39
MW - 7	05/20/02	3391.21	-	47.44	0.00	3,343.77
MW - 7	09/24/02	3391.21	-	48.32	0.00	3,342.89
MW - 7	10/29/02	3391.21	-	48.59	0.00	3,342.62
MW - 7	11/13/02	3391.21	-	48.70	0.00	3,342.51
MW - 7	02/06/03	3391.21	-	48.70	0.00	3,342.51
MW - 7	05/08/03	3391.21	-	48.38	0.00	3,342.83
MW - 7	08/19/03	3391.21	-	48.63	0.00	3,342.58
MW - 7	11/07/03	3391.21	-	48.87	0.00	3,342.34
MW - 7	02/09/04	3391.21	-	47.46	0.00	3,343.75
MW - 7	05/04/04	3391.21	-	48.28	0.00	3,342.93
MW - 7	08/23/04	3391.21	-	49.19	0.00	3,342.02
MW - 7	12/04/04	3391.21	-	47.54	0.00	3,343.67
MW - 7	03/07/05	3391.21	-	47.00	0.00	3,344.21
MW - 7	06/07/05	3391.21	-	47.14	0.00	3,344.07
MW - 7	09/07/05	3391.21	-	47.22	0.00	3,343.99
MW - 7	12/14/05	3391.21	-	46.48	0.00	3,344.73
MW - 7	06/05/06	3391.21	-	45.98	0.00	3,345.23
MW - 7	09/11/06	3391.21	-	46.58	0.00	3,344.63
MW - 7	11/21/06	3391.21	-	46.61	0.00	3,344.60
MW - 7	02/20/07	3391.21	-	46.48	0.00	3,344.73
MW - 7	05/15/07	3391.21	-	46.69	0.00	3,344.52
MW - 7	06/21/07	3391.21	-	46.71	0.00	3,344.50
MW - 7	08/09/07	3391.21	-	46.39	0.00	3,344.82
MW - 7	11/13/07	3391.21	-	46.64	0.00	3,344.57
MW - 7	02/14/08	3391.21	-	46.86	0.00	3,344.35
MW - 7	05/16/08	3391.21	-	46.26	0.00	3,344.95
MW - 7	08/19/08	3391.21	-	46.81	0.00	3,344.40
MW - 7	11/19/08	3391.21	-	46.87	0.00	3,344.34
MW - 7	02/18/09	3391.21	-	46.12	0.00	3,345.09
MW - 7	05/19/09	3391.21	-	46.93	0.00	3,344.28
MW - 7	08/13/09	3391.21	-	47.11	0.00	3,344.10
MW - 7	11/11/09	3391.21	-	47.17	0.00	3,344.04
MW - 7	01/12/10	3391.21	-	47.19	0.00	3,344.02
MW - 7	02/04/10	3391.21	-	47.30	0.00	3,343.91

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 7	05/07/10	3391.21	-	47.28	0.00	3,343.93
MW - 7	08/06/10	3391.21	-	47.29	0.00	3,343.92
MW - 7	11/05/10	3391.21	-	47.28	0.00	3,343.93
MW - 7	02/11/11	3391.21	-	47.28	0.00	3,343.93
MW - 7	05/09/11	3391.21	-	47.26	0.00	3,343.95
MW - 7	08/05/11	3391.21	-	47.29	0.00	3,343.92
MW - 7	11/17/11	3391.21	-	48.58	0.00	3,342.63
MW - 7	02/28/12	3391.21	-	48.30	0.00	3,342.91
MW - 7	05/03/12	3391.21	-	48.32	0.00	3,342.89
MW - 7	08/24/12	3391.21	-	48.59	0.00	3,342.62
MW - 7	11/15/12	3391.21	-	48.52	0.00	3,342.69
MW - 7	02/14/13	3391.21	-	48.36	0.00	3,342.85
MW - 7	05/28/13	3391.21	-	48.32	0.00	3,342.89
MW - 7	08/06/13	3391.21	-	48.69	0.00	3,342.52
MW - 7	11/07/13	3391.21	-	49.04	0.00	3,342.17
MW - 7	03/05/14	3391.21	-	49.04	0.00	3,342.17
MW - 7	05/29/14	3391.21	-	49.07	0.00	3,342.14
MW - 7	07/23/14	3391.21	-	49.32	0.00	3,341.89
MW - 7	08/12/14	3391.21	-	49.36	0.00	3,341.85
MW - 7	10/28/14	3391.21	-	49.14	0.00	3,342.07
MW - 7	11/15/14	3391.21	-	49.02	0.00	3,342.19
MW - 7	02/16/15	3391.21	-	48.66	0.00	3,342.55
MW - 7	03/18/15	3391.21	-	48.54	0.00	3,342.67
MW - 7	04/08/15	3391.21	-	48.42	0.00	3,342.79
MW - 7	05/28/15	3391.21	-	48.19	0.00	3,343.02
MW - 7	07/09/15	3391.21	-	48.16	0.00	3,343.05
MW - 7	08/26/15	3391.21	-	48.35	0.00	3,342.86
MW - 7	09/11/15	3391.21	-	48.45	0.00	3,342.76
MW - 7	09/25/15	3391.21	-	48.56	0.00	3,342.65
MW - 7	10/09/15	3391.21	-	48.61	0.00	3,342.60
MW - 7	10/15/15	3391.21	-	48.55	0.00	3,342.66
MW - 7	11/20/15	3391.21	-	48.52	0.00	3,342.69
MW - 7	12/11/15	3391.21	-	48.36	0.00	3,342.85
MW - 7	01/13/16	3391.21	-	48.16	0.00	3,343.05
MW - 7	02/17/16	3391.21	-	47.97	0.00	3,343.24
MW - 7	03/18/16	3391.21	-	47.94	0.00	3,343.27
MW - 7	04/08/16	3391.21	-	47.88	0.00	3,343.33
MW - 7	04/12/16	3391.21	-	47.94	0.00	3,343.27
MW - 7	05/03/16	3391.21	-	47.83	0.00	3,343.38
MW - 7	05/26/16	3391.21	-	47.83	0.00	3,343.38
MW - 7	06/09/16	3391.21	-	47.90	0.00	3,343.31
MW - 7	07/01/16	3391.21	-	47.88	0.00	3,343.33
MW - 7	07/20/16	3391.21	-	47.97	0.00	3,343.24
MW - 7	08/04/16	3391.21	-	47.98	0.00	3,343.23

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 7	09/28/16	3391.21	-	48.05	0.00	3,343.16
MW - 7	11/29/16	3391.21	-	47.78	0.00	3,343.43
MW - 7	12/16/16	3391.21	-	47.66	0.00	3,343.55
MW - 7	01/26/17	3391.21	-	47.63	0.00	3,343.58
MW - 7	02/27/17	3391.21	-	47.51	0.00	3,343.70
MW - 7	03/30/17	3391.21	-	47.45	0.00	3,343.76
MW - 7	04/21/17	3391.21	-	47.38	0.00	3,343.83
MW - 7	05/18/17	3391.21	-	47.36	0.00	3,343.85
MW - 7	07/20/17	3391.21	-	47.33	0.00	3,343.88
MW - 7	08/29/17	3391.21	-	47.25	0.00	3,343.96
MW - 7	10/13/17	3391.21	-	47.16	0.00	3,344.05
MW - 7	10/20/17	3391.21	-	47.16	0.00	3,344.05
MW - 7	11/07/17	3391.21	-	47.16	0.00	3,344.05
MW - 7	01/31/18	3391.21	-	47.96	0.00	3,343.25
MW - 7	02/22/18	3391.21	-	47.02	0.00	3,344.19
MW - 7	03/15/18	3391.21	-	46.97	0.00	3,344.24
MW - 7	04/20/18	3391.21	-	46.97	0.00	3,344.24
MW - 7	05/22/18	3391.21	-	46.97	0.00	3,344.24
MW - 7	06/27/18	3391.21	-	47.07	0.00	3,344.14
MW - 7	07/31/18	3391.21	-	47.20	0.00	3,344.01
MW - 7	08/29/18	3391.21	-	47.26	0.00	3,343.95
MW - 7	09/28/18	3391.21	-	47.26	0.00	3,343.95
MW - 7	11/29/18	3391.21	-	47.12	0.00	3,344.09
MW - 7	12/13/18	3391.21	-	47.16	0.00	3,344.05
MW - 7	01/03/19	3391.21	-	47.06	0.00	3,344.15
MW - 7	03/05/19	3391.21	-	47.05	0.00	3,344.16
MW - 7	03/20/19	3391.21	-	47.00	0.00	3,344.21
MW - 7	04/04/19	3391.21	-	46.94	0.00	3,344.27
MW - 7	06/11/19	3391.21	-	46.85	0.00	3,344.36
MW - 7	07/15/19	3391.21	-	46.80	0.00	3,344.41
MW - 7	08/15/19	3391.21	-	46.80	0.00	3,344.41
MW - 7	11/25/19	3391.21	-	46.55	0.00	3,344.66
MW - 7	12/12/19	3391.21	-	46.60	0.00	3,344.61
MW - 7	01/24/20	3391.21	-	46.58	0.00	3,344.63
MW - 7	02/25/20	3391.21	-	46.61	0.00	3,344.60
MW - 7	05/28/20	3391.21	-	46.47	0.00	3,344.74
MW - 7	06/15/20	3391.21	-	46.45	0.00	3,344.76
MW - 7	08/27/20	3391.21	-	46.61	0.00	3,344.60
MW - 7	09/10/20	3391.21	-	46.74	0.00	3,344.47
MW - 7	10/21/20	3391.21	-	46.68	0.00	3,344.53
MW - 7	12/01/20	3391.21	-	46.54	0.00	3,344.67
MW - 7	01/06/21	3391.21	-	46.61	0.00	3,344.60
MW - 7	02/04/21	3391.21	-	46.59	0.00	3,344.62
MW - 7	04/26/21	3391.21	-	46.31	0.00	3,344.90

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 7	06/16/21	3391.21	-	46.39	0.00	3,344.82
MW - 7	07/28/21	3391.21	-	46.57	0.00	3,344.64
MW - 7	08/19/21	3391.21	-	46.63	0.00	3,344.58
MW - 7	09/24/21	3391.21	-	46.74	0.00	3,344.47
MW - 7	10/18/21	3391.21	-	46.78	0.00	3,344.43
MW - 7	11/30/21	3391.21	-	46.81	0.00	3,344.40
MW - 7	01/17/22	3391.21	-	46.78	0.00	3,344.43
MW - 7	03/02/22	3391.21	-	46.84	0.00	3,344.37
MW - 7	04/08/22	3391.21	-	46.92	0.00	3,344.29
MW - 7	05/25/22	3391.21	-	46.94	0.00	3,344.27
MW - 7	09/12/22	3391.21	-	47.35	0.00	3,343.86
MW - 7	11/28/22	3391.21	-	47.35	0.00	3,343.86
MW - 8	11/29/99	3391.14	-	46.42	0.00	3,344.72
MW - 8	03/09/00	3391.14	-	47.37	0.00	3,343.77
MW - 8	05/11/00	3391.14	-	47.20	0.00	3,343.94
MW - 8	09/12/00	3391.14	-	47.11	0.00	3,344.03
MW - 8	12/14/00	3391.14	-	46.75	0.00	3,344.39
MW - 8	03/21/01	3391.14	-	46.38	0.00	3,344.76
MW - 8	05/30/01	3391.14	-	47.16	0.00	3,343.98
MW - 8	06/21/01	3391.14	-	47.42	0.00	3,343.72
MW - 8	09/25/01	3391.14	-	47.50	0.00	3,343.64
MW - 8	11/17/01	3391.14	-	47.05	0.00	3,344.09
MW - 8	02/20/02	3391.14	-	46.80	0.00	3,344.34
MW - 8	05/20/02	3391.14	-	47.38	0.00	3,343.76
MW - 8	09/24/02	3391.14	-	48.29	0.00	3,342.85
MW - 8	10/29/02	3391.14	-	48.58	0.00	3,342.56
MW - 8	11/13/02	3391.14	-	48.69	0.00	3,342.45
MW - 8	02/06/03	3391.14	-	48.68	0.00	3,342.46
MW - 8	05/08/03	3391.14	-	48.33	0.00	3,342.81
MW - 8	08/19/03	3391.14	-	48.58	0.00	3,342.56
MW - 8	11/07/03	3391.14	-	48.84	0.00	3,342.30
MW - 8	02/09/04	3391.14	-	47.46	0.00	3,343.68
MW - 8	05/04/04	3391.14	-	48.25	0.00	3,342.89
MW - 8	08/23/04	3391.14	-	49.15	0.00	3,341.99
MW - 8	12/04/04	3391.14	-	47.50	0.00	3,343.64
MW - 8	03/07/05	3391.14	-	46.97	0.00	3,344.17
MW - 8	06/07/05	3391.14	-	47.12	0.00	3,344.02
MW - 8	09/07/05	3391.14	-	47.19	0.00	3,343.95
MW - 8	12/14/05	3391.14	-	46.47	0.00	3,344.67
MW - 8	06/05/06	3391.14	-	47.89	0.00	3,343.25
MW - 8	09/11/06	3391.14	-	46.54	0.00	3,344.60
MW - 8	11/21/06	3391.14	-	46.63	0.00	3,344.51
MW - 8	02/20/07	3391.14	-	46.44	0.00	3,344.70

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 8	05/15/07	3391.14	-	46.69	0.00	3,344.45
MW - 8	08/09/07	3391.14	-	46.40	0.00	3,344.74
MW - 8	11/13/07	3391.14	-	46.67	0.00	3,344.47
MW - 8	02/14/08	3391.14	-	46.84	0.00	3,344.30
MW - 8	05/16/08	3391.14	-	46.23	0.00	3,344.91
MW - 8	08/19/08	3391.14	-	46.81	0.00	3,344.33
MW - 8	11/19/08	3391.14	-	46.91	0.00	3,344.23
MW - 8	02/18/09	3391.14	-	46.09	0.00	3,345.05
MW - 8	05/19/09	3391.14	-	46.93	0.00	3,344.21
MW - 8	08/13/09	3391.14	-	47.13	0.00	3,344.01
MW - 8	11/11/09	3391.14	-	47.20	0.00	3,343.94
MW - 8	01/12/10	3391.14	-	47.18	0.00	3,343.96
MW - 8	02/04/10	3391.14	-	47.31	0.00	3,343.83
MW - 8	05/07/10	3391.14	-	47.43	0.00	3,343.71
MW - 8	08/06/10	3391.14	-	47.42	0.00	3,343.72
MW - 8	11/05/10	3391.14	-	47.41	0.00	3,343.73
MW - 8	02/11/11	3391.14	-	47.40	0.00	3,343.74
MW - 8	05/09/11	3391.14	-	47.38	0.00	3,343.76
MW - 8	08/05/11	3391.14	-	47.39	0.00	3,343.75
MW - 8	11/17/11	3391.14	-	48.58	0.00	3,342.56
MW - 8	02/28/12	3391.14	-	48.32	0.00	3,342.82
MW - 8	05/03/12	3391.14	-	48.35	0.00	3,342.79
MW - 8	08/24/12	3391.14	-	48.61	0.00	3,342.53
MW - 8	11/15/12	3391.14	-	48.53	0.00	3,342.61
MW - 8	02/14/13	3391.14	-	48.39	0.00	3,342.75
MW - 8	05/28/13	3391.14	-	48.34	0.00	3,342.80
MW - 8	08/06/13	3391.14	-	48.11	0.00	3,343.03
MW - 8	11/07/13	3391.14	-	49.06	0.00	3,342.08
MW - 8	03/05/14	3391.14	-	49.09	0.00	3,342.05
MW - 8	05/29/14	3391.14	-	49.10	0.00	3,342.04
MW - 8	07/23/14	3391.14	-	49.36	0.00	3,341.78
MW - 8	08/12/14	3391.14	-	49.37	0.00	3,341.77
MW - 8	10/28/14	3391.14	-	49.17	0.00	3,341.97
MW - 8	11/15/14	3391.14	-	49.06	0.00	3,342.08
MW - 8	02/16/15	3391.14	-	48.70	0.00	3,342.44
MW - 8	03/18/15	3391.14	-	48.60	0.00	3,342.54
MW - 8	04/08/15	3391.14	-	48.48	0.00	3,342.66
MW - 8	05/28/15	3391.14	-	48.24	0.00	3,342.90
MW - 8	07/09/15	3391.14	-	48.21	0.00	3,342.93
MW - 8	08/26/15	3391.14	-	48.38	0.00	3,342.76
MW - 8	09/11/15	3391.14	-	48.48	0.00	3,342.66
MW - 8	09/25/15	3391.14	-	48.60	0.00	3,342.54
MW - 8	10/09/15	3391.14	-	48.65	0.00	3,342.49
MW - 8	10/15/15	3391.14	-	48.58	0.00	3,342.56

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 8	11/20/15	3391.14	-	48.56	0.00	3,342.58
MW - 8	12/11/15	3391.14	-	48.41	0.00	3,342.73
MW - 8	01/13/16	3391.14	-	48.21	0.00	3,342.93
MW - 8	02/17/16	3391.14	-	48.05	0.00	3,343.09
MW - 8	03/18/16	3391.14	-	48.03	0.00	3,343.11
MW - 8	04/08/16	3391.14	-	47.98	0.00	3,343.16
MW - 8	04/12/16	3391.14	-	48.02	0.00	3,343.12
MW - 8	05/03/16	3391.14	-	47.92	0.00	3,343.22
MW - 8	05/26/16	3391.14	-	47.88	0.00	3,343.26
MW - 8	06/09/16	3391.14	-	47.92	0.00	3,343.22
MW - 8	07/01/16	3391.14	-	47.94	0.00	3,343.20
MW - 8	07/20/16	3391.14	-	48.01	0.00	3,343.13
MW - 8	08/04/16	3391.14	-	48.02	0.00	3,343.12
MW - 8	09/28/16	3391.14	-	48.09	0.00	3,343.05
MW - 8	11/29/16	3391.14	-	47.82	0.00	3,343.32
MW - 8	12/16/16	3391.14	-	47.72	0.00	3,343.42
MW - 8	01/26/17	3391.14	-	47.70	0.00	3,343.44
MW - 8	02/27/17	3391.14	-	47.55	0.00	3,343.59
MW - 8	03/30/17	3391.14	-	47.51	0.00	3,343.63
MW - 8	04/21/17	3391.14	-	47.44	0.00	3,343.70
MW - 8	05/18/17	3391.14	-	47.40	0.00	3,343.74
MW - 8	07/20/17	3391.14	-	47.39	0.00	3,343.75
MW - 8	08/29/17	3391.14	-	47.31	0.00	3,343.83
MW - 8	10/13/17	3391.14	-	47.22	0.00	3,343.92
MW - 8	10/20/17	3391.14	-	47.22	0.00	3,343.92
MW - 8	11/07/17	3391.14	-	47.22	0.00	3,343.92
MW - 8	01/31/18	3391.14	-	47.01	0.00	3,344.13
MW - 8	02/22/18	3391.14	-	47.08	0.00	3,344.06
MW - 8	03/15/18	3391.14	-	47.02	0.00	3,344.12
MW - 8	04/20/18	3391.14	-	47.02	0.00	3,344.12
MW - 8	05/23/18	3391.14	-	47.00	0.00	3,344.14
MW - 8	06/27/18	3391.14	-	47.09	0.00	3,344.05
MW - 8	07/31/18	3391.14	-	47.23	0.00	3,343.91
MW - 8	08/29/18	3391.14	-	47.28	0.00	3,343.86
MW - 8	09/28/18	3391.14	-	47.27	0.00	3,343.87
MW - 8	11/29/18	3391.14	-	47.14	0.00	3,344.00
MW - 8	12/13/18	3391.14	-	47.19	0.00	3,343.95
MW - 8	01/03/19	3391.14	-	47.10	0.00	3,344.04
MW - 8	03/05/19	3391.14	-	47.09	0.00	3,344.05
MW - 8	03/20/19	3391.14	-	47.04	0.00	3,344.10
MW - 8	04/04/19	3391.14	-	46.98	0.00	3,344.16
MW - 8	06/11/19	3391.14	-	46.88	0.00	3,344.26
MW - 8	07/15/19	3391.14	-	46.84	0.00	3,344.30
MW - 8	08/15/19	3391.14	-	46.85	0.00	3,344.29

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 8	11/25/19	3391.14	-	46.59	0.00	3,344.55
MW - 8	12/12/19	3391.14	-	46.64	0.00	3,344.50
MW - 8	01/24/20	3391.14	-	46.61	0.00	3,344.53
MW - 8	02/25/20	3391.14	-	46.64	0.00	3,344.50
MW - 8	05/28/20	3391.14	-	46.52	0.00	3,344.62
MW - 8	06/15/20	3391.14	-	46.50	0.00	3,344.64
MW - 8	08/27/20	3391.14	-	46.62	0.00	3,344.52
MW - 8	09/10/20	3391.14	-	46.74	0.00	3,344.40
MW - 8	10/21/20	3391.14	-	46.70	0.00	3,344.44
MW - 8	12/01/20	3391.14	-	46.57	0.00	3,344.57
MW - 8	01/06/21	3391.14	-	46.63	0.00	3,344.51
MW - 8	02/04/21	3391.14	-	46.62	0.00	3,344.52
MW - 8	04/26/21	3391.14	-	46.37	0.00	3,344.77
MW - 8	06/17/21	3391.14	-	46.53	0.00	3,344.61
MW - 8	07/28/21	3391.14	-	46.59	0.00	3,344.55
MW - 8	08/19/21	3391.14	-	46.64	0.00	3,344.50
MW - 8	09/24/21	3391.14	-	46.74	0.00	3,344.40
MW - 8	10/18/21	3391.14	-	46.78	0.00	3,344.36
MW - 8	11/30/21	3391.14	-	46.82	0.00	3,344.32
MW - 8	01/17/22	3391.14	-	46.80	0.00	3,344.34
MW - 8	03/02/22	3391.14	-	46.86	0.00	3,344.28
MW - 8	04/08/22	3391.14	-	46.93	0.00	3,344.21
MW - 8	05/25/22	3391.14	-	46.95	0.00	3,344.19
MW - 8	09/12/22	3391.14	-	47.35	0.00	3,343.79
MW - 8	11/28/22	3391.14	-	47.35	0.00	3,343.79
MW - 9	11/29/99	3391.47	-	46.65	0.00	3,344.82
MW - 9	03/09/00	3391.47	-	47.56	0.00	3,343.91
MW - 9	05/11/00	3391.47	-	47.44	0.00	3,344.03
MW - 9	09/12/00	3391.47	-	47.38	0.00	3,344.09
MW - 9	12/14/00	3391.47	-	46.86	0.00	3,344.61
MW - 9	03/21/01	3391.47	-	46.61	0.00	3,344.86
MW - 9	05/30/01	3391.47	-	47.33	0.00	3,344.14
MW - 9	06/21/01	3391.47	-	47.50	0.00	3,343.97
MW - 9	09/25/01	3391.47	-	47.55	0.00	3,343.92
MW - 9	11/17/01	3391.47	-	47.21	0.00	3,344.26
MW - 9	02/20/02	3391.47	-	47.03	0.00	3,344.44
MW - 9	05/20/02	3391.47	-	47.58	0.00	3,343.89
MW - 9	09/24/02	3391.47	48.27	48.88	0.61	3,343.11
MW - 9	10/29/02	3391.47	48.48	49.18	0.70	3,342.89
MW - 9	11/06/02	3391.47	48.62	49.06	0.44	3,342.78
MW - 9	11/13/02	3391.47	48.95	49.08	0.13	3,342.50
MW - 9	01/07/03	3391.47	sheen	48.69	0.00	3,342.78
MW - 9	01/13/03	3391.47	sheen	48.67	0.00	3,342.80

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 9	01/27/03	3391.47	48.80	48.83	0.03	3,342.67
MW - 9	02/06/03	3391.47	48.90	49.00	0.10	3,342.56
MW - 9	03/11/03	3391.47	sheen	48.57	0.00	3,342.90
MW - 9	03/19/03	3391.47	sheen	48.29	0.00	3,343.18
MW - 9	04/02/03	3391.47	sheen	48.27	0.00	3,343.20
MW - 9	04/16/03	3391.47	sheen	48.45	0.00	3,343.02
MW - 9	04/23/03	3391.47	sheen	48.31	0.00	3,343.16
MW - 9	04/29/03	3391.47	sheen	48.35	0.00	3,343.12
MW - 9	05/08/03	3391.47	sheen	48.44	0.00	3,343.03
MW - 9	05/15/03	3391.47	sheen	48.74	0.00	3,342.73
MW - 9	05/20/03	3391.47	sheen	48.91	0.00	3,342.56
MW - 9	05/27/03	3391.47	sheen	48.99	0.00	3,342.48
MW - 9	06/03/03	3391.47	48.84	48.85	0.01	3,342.63
MW - 9	06/10/03	3391.47	49.10	49.12	0.02	3,342.37
MW - 9	06/25/03	3391.47	49.14	49.19	0.05	3,342.32
MW - 9	07/02/03	3391.47	49.19	49.21	0.02	3,342.28
MW - 9	07/07/03	3391.47	49.18	49.19	0.01	3,342.29
MW - 9	07/22/03	3391.47	sheen	48.81	0.00	3,342.66
MW - 9	07/30/03	3391.47	sheen	48.57	0.00	3,342.90
MW - 9	08/06/03	3391.47	sheen	48.53	0.00	3,342.94
MW - 9	08/13/03	3391.47	sheen	48.97	0.00	3,342.50
MW - 9	08/19/03	3391.47	sheen	48.69	0.00	3,342.78
MW - 9	08/20/03	3391.47	sheen	49.09	0.00	3,342.38
MW - 9	08/25/03	3391.47	sheen	49.17	0.00	3,342.30
MW - 9	09/08/03	3391.47	sheen	49.58	0.00	3,341.89
MW - 9	09/15/03	3391.47	sheen	49.55	0.00	3,341.92
MW - 9	09/24/03	3391.47	sheen	49.90	0.00	3,341.57
MW - 9	09/30/03	3391.47	sheen	49.51	0.00	3,341.96
MW - 9	10/07/03	3391.47	sheen	49.70	0.00	3,341.77
MW - 9	10/22/03	3391.47	sheen	49.40	0.00	3,342.07
MW - 9	10/27/03	3391.47	sheen	49.31	0.00	3,342.16
MW - 9	11/07/03	3391.47	49.70	49.71	0.01	3,341.77
MW - 9	11/10/03	3391.47	sheen	49.52	0.00	3,341.95
MW - 9	11/17/03	3391.47	sheen	48.82	0.00	3,342.65
MW - 9	12/08/03	3391.47	sheen	48.13	0.00	3,343.34
MW - 9	12/17/03	3391.47	sheen	48.81	0.00	3,342.66
MW - 9	12/22/03	3391.47	49.62	49.63	0.01	3,341.85
MW - 9	01/02/04	3391.47	sheen	47.55	0.00	3,343.92
MW - 9	01/06/04	3391.47	sheen	49.61	0.00	3,341.86
MW - 9	01/19/04	3391.47	sheen	48.05	0.00	3,343.42
MW - 9	01/26/04	3391.47	sheen	48.10	0.00	3,343.37
MW - 9	02/02/04	3391.47	sheen	48.04	0.00	3,343.43
MW - 9	02/09/04	3391.47	sheen	47.63	0.00	3,343.84
MW - 9	02/19/04	3391.47	sheen	47.75	0.00	3,343.72

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 9	02/23/04	3391.47	sheen	47.65	0.00	3,343.82
MW - 9	03/01/04	3391.47	sheen	47.61	0.00	3,343.86
MW - 9	03/10/04	3391.47	sheen	47.64	0.00	3,343.83
MW - 9	03/15/04	3391.47	sheen	48.20	0.00	3,343.27
MW - 9	03/23/04	3391.47	sheen	48.61	0.00	3,342.86
MW - 9	03/30/04	3391.47	sheen	48.22	0.00	3,343.25
MW - 9	04/12/04	3391.47	sheen	48.76	0.00	3,342.71
MW - 9	04/20/04	3391.47	sheen	48.31	0.00	3,343.16
MW - 9	05/03/04	3391.47	sheen	48.75	0.00	3,342.72
MW - 9	05/04/04	3391.47	sheen	48.75	0.00	3,342.72
MW - 9	06/09/04	3391.47	sheen	48.71	0.00	3,342.76
MW - 9	06/16/04	3391.47	sheen	48.74	0.00	3,342.73
MW - 9	06/23/04	3391.47	sheen	48.78	0.00	3,342.69
MW - 9	06/30/04	3391.47	sheen	48.14	0.00	3,343.33
MW - 9	07/13/04	3391.47	sheen	48.97	0.00	3,342.50
MW - 9	07/22/04	3391.47	sheen	49.07	0.00	3,342.40
MW - 9	08/23/04	3391.47	-	49.26	0.00	3,342.21
MW - 9	12/04/04	3391.47	-	48.73	0.00	3,342.74
MW - 9	03/07/05	3391.47	-	47.25	0.00	3,344.22
MW - 9	06/07/05	3391.47	sheen	47.23	0.00	3,344.24
MW - 9	09/07/05	3391.47	sheen	47.23	0.00	3,344.24
MW - 9	12/14/05	3391.47	-	46.65	0.00	3,344.82
MW - 9	03/06/06	3391.47	sheen	46.43	0.00	3,345.04
MW - 9	04/13/06	3391.47	sheen	46.25	0.00	3,345.22
MW - 9	04/19/06	3391.47	sheen	46.40	0.00	3,345.07
MW - 9	05/25/06	3391.47	sheen	46.17	0.00	3,345.30
MW - 9	06/05/06	3391.47	-	46.12	0.00	3,345.35
MW - 9	09/11/06	3391.47	-	46.66	0.00	3,344.81
MW - 9	10/31/06	3391.47	sheen	46.88	0.00	3,344.59
MW - 9	11/16/06	3391.47	sheen	46.69	0.00	3,344.78
MW - 9	11/21/06	3391.47	sheen	46.68	0.00	3,344.79
MW - 9	01/26/07	3391.47	sheen	46.58	0.00	3,344.89
MW - 9	01/31/07	3391.47	sheen	46.47	0.00	3,345.00
MW - 9	02/15/07	3391.47	-	46.54	0.00	3,344.93
MW - 9	02/20/07	3391.47	-	46.49	0.00	3,344.98
MW - 9	05/15/07	3391.47	-	46.66	0.00	3,344.81
MW - 9	08/09/07	3391.47	-	46.40	0.00	3,345.07
MW - 9	11/13/07	3391.47	-	46.61	0.00	3,344.86
MW - 9	02/14/08	3391.47	-	46.73	0.00	3,344.74
MW - 9	05/16/08	3391.47	-	46.25	0.00	3,345.22
MW - 9	08/19/08	3391.47	-	46.76	0.00	3,344.71
MW - 9	10/09/08	3391.47	-	46.93	0.00	3,344.54
MW - 9	10/23/08	3391.47	-	46.89	0.00	3,344.58
MW - 9	10/28/08	3391.47	-	46.88	0.00	3,344.59

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 9	11/19/08	3391.47	-	46.83	0.00	3,344.64
MW - 9	12/29/08	3391.47	-	-	-	-
MW - 9	02/18/09	3391.47	-	46.15	0.00	3,345.32
MW - 9	03/03/09	3391.47	-	46.28	0.00	3,345.19
MW - 9	03/10/09	3391.47	-	46.38	0.00	3,345.09
MW - 9	03/18/09	3391.47	-	46.44	0.00	3,345.03
MW - 9	03/27/09	3391.47	-	46.45	0.00	3,345.02
MW - 9	04/07/09	3391.47	-	46.62	0.00	3,344.85
MW - 9	04/14/09	3391.47	-	46.64	0.00	3,344.83
MW - 9	04/28/09	3391.47	-	46.77	0.00	3,344.70
MW - 9	05/19/09	3391.47	-	46.89	0.00	3,344.58
MW - 9	06/18/09	3391.47	-	47.09	0.00	3,344.38
MW - 9	06/30/09	3391.47	-	46.26	0.00	3,345.21
MW - 9	07/07/09	3391.47	-	47.09	0.00	3,344.38
MW - 9	07/14/09	3391.47	-	47.10	0.00	3,344.37
MW - 9	07/28/09	3391.47	-	47.12	0.00	3,344.35
MW - 9	08/07/09	3391.47	-	47.14	0.00	3,344.33
MW - 9	08/13/09	3391.47	-	47.05	0.00	3,344.42
MW - 9	09/10/09	3391.47	-	47.10	0.00	3,344.37
MW - 9	09/18/09	3391.47	-	47.17	0.00	3,344.30
MW - 9	09/29/09	3391.47	-	47.14	0.00	3,344.33
MW - 9	10/06/09	3391.47	-	47.13	0.00	3,344.34
MW - 9	10/20/09	3391.47	-	47.11	0.00	3,344.36
MW - 9	10/27/09	3391.47	-	47.10	0.00	3,344.37
MW - 9	11/11/09	3391.47	-	47.16	0.00	3,344.31
MW - 9	12/22/09	3391.47	-	47.09	0.00	3,344.38
MW - 9	01/12/10	3391.47	-	47.11	0.00	3,344.36
MW - 9	02/04/10	3391.47	-	47.24	0.00	3,344.23
MW - 9	03/03/10	3391.47	-	47.44	0.00	3,344.03
MW - 9	04/15/10	3391.47	-	47.48	0.00	3,343.99
MW - 9	05/07/10	3391.47	-	47.32	0.00	3,344.15
MW - 9	06/25/10	3391.47	-	47.45	0.00	3,344.02
MW - 9	08/06/10	3391.47	-	47.31	0.00	3,344.16
MW - 9	11/05/10	3391.47	-	47.30	0.00	3,344.17
MW - 9	02/11/11	3391.47	-	47.33	0.00	3,344.14
MW - 9	05/09/11	3391.47	-	47.30	0.00	3,344.17
MW - 9	08/05/11	3391.47	-	47.30	0.00	3,344.17
MW - 9	11/17/11	3391.47	-	48.53	0.00	3,342.94
MW - 9	02/28/12	3391.47	-	48.26	0.00	3,343.21
MW - 9	05/03/12	3391.47	-	48.23	0.00	3,343.24
MW - 9	08/24/12	3391.47	-	48.58	0.00	3,342.89
MW - 9	11/15/12	3391.47	-	48.39	0.00	3,343.08
MW - 9	01/14/13	3391.47	-	48.27	0.00	3,343.20
MW - 9	02/14/13	3391.47	-	48.23	0.00	3,343.24

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 9	03/29/13	3391.47	-	48.17	0.00	3,343.30
MW - 9	04/19/13	3391.47	-	48.19	0.00	3,343.28
MW - 9	04/30/13	3391.47	-	48.14	0.00	3,343.33
MW - 9	05/23/13	3391.47	-	48.24	0.00	3,343.23
MW - 9	05/28/13	3391.47	-	48.20	0.00	3,343.27
MW - 9	05/30/13	3391.47	-	48.21	0.00	3,343.26
MW - 9	06/06/13	3391.47	-	48.32	0.00	3,343.15
MW - 9	06/13/13	3391.47	-	48.35	0.00	3,343.12
MW - 9	06/19/13	3391.47	-	48.31	0.00	3,343.16
MW - 9	07/30/13	3391.47	-	48.58	0.00	3,342.89
MW - 9	08/06/13	3391.47	-	48.54	0.00	3,342.93
MW - 9	08/09/13	3391.47	-	48.63	0.00	3,342.84
MW - 9	08/30/13	3391.47	-	48.69	0.00	3,342.78
MW - 9	09/12/13	3391.47	-	48.73	0.00	3,342.74
MW - 9	10/03/13	3391.47	-	48.74	0.00	3,342.73
MW - 9	11/01/13	3391.47	-	48.85	0.00	3,342.62
MW - 9	11/07/13	3391.47	-	48.87	0.00	3,342.60
MW - 9	12/10/13	3391.47	-	48.80	0.00	3,342.67
MW - 9	01/01/14	3391.47	-	48.70	0.00	3,342.77
MW - 9	01/16/14	3391.47	-	48.75	0.00	3,342.72
MW - 9	01/23/14	3391.47	-	48.88	0.00	3,342.59
MW - 9	01/28/14	3391.47	-	48.90	0.00	3,342.57
MW - 9	02/11/14	3391.47	-	48.86	0.00	3,342.61
MW - 9	03/05/14	3391.47	-	48.82	0.00	3,342.65
MW - 9	03/13/14	3391.47	-	48.84	0.00	3,342.63
MW - 9	03/29/14	3391.47	-	48.79	0.00	3,342.68
MW - 9	04/08/14	3391.47	-	48.85	0.00	3,342.62
MW - 9	04/17/14	3391.47	-	48.81	0.00	3,342.66
MW - 9	04/25/14	3391.47	-	48.73	0.00	3,342.74
MW - 9	05/08/14	3391.47	-	48.72	0.00	3,342.75
MW - 9	05/14/14	3391.47	-	48.70	0.00	3,342.77
MW - 9	05/27/14	3391.47	-	48.81	0.00	3,342.66
MW - 9	05/29/14	3391.47	-	48.82	0.00	3,342.65
MW - 9	06/18/14	3391.47	-	48.77	0.00	3,342.70
MW - 9	07/23/14	3391.47	-	49.10	0.00	3,342.37
MW - 9	08/12/14	3391.47	-	49.13	0.00	3,342.34
MW - 9	10/28/14	3391.47	-	48.97	0.00	3,342.50
MW - 9	11/15/14	3391.47	-	48.85	0.00	3,342.62
MW - 9	02/16/15	3391.47	-	48.49	0.00	3,342.98
MW - 9	03/18/15	3391.47	-	48.34	0.00	3,343.13
MW - 9	04/08/15	3391.47	-	48.22	0.00	3,343.25
MW - 9	05/28/15	3391.47	-	48.00	0.00	3,343.47
MW - 9	07/09/15	3391.47	-	47.99	0.00	3,343.48
MW - 9	08/26/15	3391.47	-	48.18	0.00	3,343.29

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 9	09/11/15	3391.47	-	48.26	0.00	3,343.21
MW - 9	09/25/15	3391.47	-	48.38	0.00	3,343.09
MW - 9	10/09/15	3391.47	-	48.42	0.00	3,343.05
MW - 9	10/15/15	3391.47	-	48.38	0.00	3,343.09
MW - 9	11/20/15	3391.47	-	48.34	0.00	3,343.13
MW - 9	12/11/15	3391.47	-	48.18	0.00	3,343.29
MW - 9	01/13/16	3391.47	-	48.00	0.00	3,343.47
MW - 9	02/17/16	3391.47	-	47.79	0.00	3,343.68
MW - 9	03/18/16	3391.47	-	47.72	0.00	3,343.75
MW - 9	04/08/16	3391.47	-	47.69	0.00	3,343.78
MW - 9	04/12/16	3391.47	-	47.73	0.00	3,343.74
MW - 9	05/03/16	3391.47	-	47.64	0.00	3,343.83
MW - 9	05/26/16	3391.47	-	47.62	0.00	3,343.85
MW - 9	06/09/16	3391.47	-	47.72	0.00	3,343.75
MW - 9	07/01/16	3391.47	-	47.72	0.00	3,343.75
MW - 9	07/20/16	3391.47	-	47.81	0.00	3,343.66
MW - 9	08/04/16	3391.47	-	47.81	0.00	3,343.66
MW - 9	09/28/16	3391.47	-	47.89	0.00	3,343.58
MW - 9	11/29/16	3391.47	-	47.62	0.00	3,343.85
MW - 9	12/16/16	3391.47	-	47.55	0.00	3,343.92
MW - 9	01/26/17	3391.47	-	47.50	0.00	3,343.97
MW - 9	02/27/17	3391.47	-	47.36	0.00	3,344.11
MW - 9	03/30/17	3391.47	-	47.31	0.00	3,344.16
MW - 9	04/21/17	3391.47	-	47.25	0.00	3,344.22
MW - 9	05/18/17	3391.47	-	47.21	0.00	3,344.26
MW - 9	08/29/17	3391.47	-	47.12	0.00	3,344.35
MW - 9	10/13/17	3391.47	-	47.03	0.00	3,344.44
MW - 9	10/20/17	3391.47	-	47.03	0.00	3,344.44
MW - 9	11/07/17	3391.47	-	47.03	0.00	3,344.44
MW - 9	01/31/18	3391.47	-	46.85	0.00	3,344.62
MW - 9	02/22/18	3391.47	-	46.90	0.00	3,344.57
MW - 9	03/15/18	3391.47	-	46.85	0.00	3,344.62
MW - 9	04/20/18	3391.47	-	46.85	0.00	3,344.62
MW - 9	05/22/18	3391.47	-	46.85	0.00	3,344.62
MW - 9	06/27/18	3391.47	-	46.94	0.00	3,344.53
MW - 9	07/31/18	3391.47	-	47.07	0.00	3,344.40
MW - 9	08/29/18	3391.47	-	47.14	0.00	3,344.33
MW - 9	09/28/18	3391.47	-	47.13	0.00	3,344.34
MW - 9	11/29/18	3391.47	-	47.02	0.00	3,344.45
MW - 9	12/13/18	3391.47	-	47.05	0.00	3,344.42
MW - 9	01/03/19	3391.47	-	46.95	0.00	3,344.52
MW - 9	03/05/19	3391.47	-	46.92	0.00	3,344.55
MW - 9	03/20/19	3391.47	-	46.88	0.00	3,344.59
MW - 9	04/04/19	3391.47	-	46.81	0.00	3,344.66

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 9	06/11/19	3391.47	-	46.73	0.00	3,344.74
MW - 9	07/15/19	3391.47	-	46.70	0.00	3,344.77
MW - 9	08/15/19	3391.47	-	46.68	0.00	3,344.79
MW - 9	11/25/19	3391.47	-	46.43	0.00	3,345.04
MW - 9	12/12/19	3391.47	-	46.48	0.00	3,344.99
MW - 9	01/24/20	3391.47	-	46.46	0.00	3,345.01
MW - 9	02/25/20	3391.47	-	46.49	0.00	3,344.98
MW - 9	05/28/20	3391.47	-	46.34	0.00	3,345.13
MW - 9	06/15/20	3391.47	-	46.35	0.00	3,345.12
MW - 9	08/27/20	3391.47	-	46.47	0.00	3,345.00
MW - 9	09/10/20	3391.47	-	46.58	0.00	3,344.89
MW - 9	10/21/20	3391.47	-	46.55	0.00	3,344.92
MW - 9	12/01/20	3391.47	-	46.44	0.00	3,345.03
MW - 9	01/06/21	3391.47	-	46.49	0.00	3,344.98
MW - 9	02/04/21	3391.47	-	46.48	0.00	3,344.99
MW - 9	04/26/21	3391.47	-	46.19	0.00	3,345.28
MW - 9	06/16/21	3391.47	-	46.27	0.00	3,345.20
MW - 9	07/28/21	3391.47	-	46.44	0.00	3,345.03
MW - 9	08/19/21	3391.47	-	46.51	0.00	3,344.96
MW - 9	09/24/21	3391.47	-	46.61	0.00	3,344.86
MW - 9	10/18/21	3391.47	-	46.65	0.00	3,344.82
MW - 9	11/30/21	3391.47	-	46.66	0.00	3,344.81
MW - 9	01/17/22	3391.47	-	46.66	0.00	3,344.81
MW - 9	03/02/22	3391.47	-	46.74	0.00	3,344.73
MW - 9	04/08/22	3391.47	-	46.80	0.00	3,344.67
MW - 9	05/25/22	3391.47	-	46.82	0.00	3,344.65
MW - 9	09/12/22	3391.47	-	47.24	0.00	3,344.23
MW - 9	11/28/22	3391.47	-	47.23	0.00	3,344.24
MW - 10	11/29/99	3391.26	46.26	47.23	0.97	3,344.85
MW - 10	03/09/00	3391.26	47.17	48.59	1.42	3,343.88
MW - 10	05/11/00	3391.26	46.67	47.69	1.02	3,344.44
MW - 10	09/12/00	3391.26	46.86	47.51	0.65	3,344.30
MW - 10	12/14/00	3391.26	46.61	47.51	0.90	3,344.52
MW - 10	03/21/01	3391.26	47.17	48.59	1.42	3,343.88
MW - 10	05/30/01	3391.26	46.99	48.40	1.41	3,344.06
MW - 10	09/25/01	3391.26	47.18	49.57	2.39	3,343.72
MW - 10	11/17/01	3391.26	46.61	47.51	0.90	3,344.52
MW - 10	02/20/02	3391.26	46.76	47.88	1.12	3,344.33
MW - 10	05/20/02	3391.26	47.44	47.61	0.17	3,343.79
MW - 10	09/24/02	3391.26	47.81	50.60	2.79	3,343.03
MW - 10	10/29/02	3391.26	48.01	50.77	2.76	3,342.84
MW - 10	11/06/02	3391.26	48.61	50.06	1.45	3,342.43
MW - 10	01/07/03	3391.26	48.52	48.55	0.03	3,342.74

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 10	01/13/03	3391.26	48.46	48.50	0.04	3,342.79
MW - 10	01/27/03	3391.26	48.30	50.03	1.73	3,342.70
MW - 10	02/06/03	3391.26	48.42	49.98	1.56	3,342.61
MW - 10	02/19/03	3391.26	48.25	49.92	1.67	3,342.76
MW - 10	03/05/03	3391.26	48.49	50.79	2.30	3,342.43
MW - 10	03/11/03	3391.26	48.00	48.75	0.75	3,343.15
MW - 10	03/19/03	3391.26	48.05	48.72	0.67	3,343.11
MW - 10	03/25/03	3391.26	46.14	47.92	1.78	3,344.85
MW - 10	04/02/03	3391.26	sheen	48.28	0.00	3,342.98
MW - 10	04/16/03	3391.26	sheen	48.32	0.00	3,342.94
MW - 10	04/23/03	3391.26	48.14	48.22	0.08	3,343.11
MW - 10	04/29/03	3391.26	48.13	48.41	0.28	3,343.09
MW - 10	05/08/03	3391.26	48.12	49.31	1.19	3,342.96
MW - 10	05/15/03	3391.26	48.24	49.84	1.60	3,342.78
MW - 10	05/20/03	3391.26	48.41	50.26	1.85	3,342.57
MW - 10	05/27/03	3391.26	48.53	49.42	0.89	3,342.60
MW - 10	06/03/03	3391.26	48.38	50.59	2.21	3,342.55
MW - 10	06/10/03	3391.26	48.67	50.07	1.40	3,342.38
MW - 10	06/25/03	3391.26	48.69	50.94	2.25	3,342.23
MW - 10	07/02/03	3391.26	48.82	51.06	2.24	3,342.10
MW - 10	07/07/03	3391.26	48.90	50.02	1.12	3,342.19
MW - 10	07/22/03	3391.26	48.59	48.97	0.38	3,342.61
MW - 10	07/30/03	3391.26	48.15	49.41	1.26	3,342.92
MW - 10	08/06/03	3391.26	48.30	48.49	0.19	3,342.93
MW - 10	08/13/03	3391.26	48.49	49.27	0.78	3,342.65
MW - 10	08/19/03	3391.26	48.43	49.26	0.83	3,342.71
MW - 10	08/20/03	3391.26	48.78	49.69	0.91	3,342.34
MW - 10	08/25/03	3391.26	48.87	50.05	1.18	3,342.21
MW - 10	09/08/03	3391.26	49.12	49.82	0.70	3,342.04
MW - 10	09/15/03	3391.26	49.10	49.91	0.81	3,342.04
MW - 10	09/24/03	3391.26	49.34	49.78	0.44	3,341.85
MW - 10	09/30/03	3391.26	49.10	50.45	1.35	3,341.96
MW - 10	10/07/03	3391.26	49.17	50.82	1.65	3,341.84
MW - 10	10/22/03	3391.26	49.00	50.74	1.74	3,342.00
MW - 10	10/27/03	3391.26	40.98	50.66	9.68	3,348.83
MW - 10	11/07/03	3391.26	49.14	50.78	1.64	3,341.87
MW - 10	11/10/03	3391.26	49.08	50.58	1.50	3,341.96
MW - 10	11/17/03	3391.26	48.49	49.49	1.00	3,342.62
MW - 10	12/08/03	3391.26	47.23	47.71	0.48	3,343.96
MW - 10	12/17/03	3391.26	48.47	49.53	1.06	3,342.63
MW - 10	12/22/03	3391.26	49.11	50.86	1.75	3,341.89
MW - 10	01/02/04	3391.26	47.25	47.26	0.01	3,344.01
MW - 10	01/06/04	3391.26	49.14	50.74	1.60	3,341.88
MW - 10	01/19/04	3391.26	-	47.81	0.00	3,343.45

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 10	01/26/04	3391.26	47.89	47.90	0.01	3,343.37
MW - 10	02/02/04	3391.26	47.87	47.87	0.00	3,343.39
MW - 10	02/09/04	3391.26	47.51	47.63	0.12	3,343.73
MW - 10	02/19/04	3391.26	47.60	47.60	0.00	3,343.66
MW - 10	02/23/04	3391.26	47.52	47.65	0.13	3,343.72
MW - 10	03/01/04	3391.26	47.50	47.61	0.11	3,343.74
MW - 10	03/10/04	3391.26	47.53	47.62	0.09	3,343.72
MW - 10	03/15/04	3391.26	-	48.87	0.00	3,342.39
MW - 10	03/23/04	3391.26	-	48.63	0.00	3,342.63
MW - 10	03/30/04	3391.26	48.69	48.70	0.01	3,342.57
MW - 10	04/12/04	3391.26	-	48.65	0.00	3,342.61
MW - 10	04/20/04	3391.26	-	48.08	0.00	3,343.18
MW - 10	05/03/04	3391.26	48.50	48.51	0.01	3,342.76
MW - 10	05/04/04	3391.26	-	48.51	0.00	3,342.75
MW - 10	06/09/04	3391.26	48.58	48.62	0.04	3,342.67
MW - 10	06/16/04	3391.26	48.59	48.61	0.02	3,342.67
MW - 10	06/23/04	3391.26	48.62	48.63	0.01	3,342.64
MW - 10	06/30/04	3391.26	48.57	48.58	0.01	3,342.69
MW - 10	07/13/04	3391.26	48.81	48.89	0.08	3,342.44
MW - 10	07/22/04	3391.26	48.93	49.10	0.17	3,342.30
MW - 10	08/23/04	3391.26	49.11	49.13	0.02	3,342.15
MW - 10	09/22/04	3391.26	sheen	49.25	0.00	3,342.01
MW - 10	09/29/04	3391.26	sheen	49.12	0.00	3,342.14
MW - 10	10/04/04	3391.26	sheen	48.45	0.00	3,342.81
MW - 10	10/11/04	3391.26	sheen	48.30	0.00	3,342.96
MW - 10	10/19/04	3391.26	sheen	48.35	0.00	3,342.91
MW - 10	10/25/04	3391.26	sheen	48.37	0.00	3,342.89
MW - 10	11/01/04	3391.26	sheen	48.58	0.00	3,342.68
MW - 10	11/09/04	3391.26	sheen	48.55	0.00	3,342.71
MW - 10	11/17/04	3391.26	sheen	48.89	0.00	3,342.37
MW - 10	11/22/04	3391.26	sheen	48.90	0.00	3,342.36
MW - 10	11/29/04	3391.26	48.02	48.19	0.17	3,343.21
MW - 10	12/04/04	3391.26	47.58	47.60	0.02	3,343.68
MW - 10	12/13/04	3391.26	sheen	47.34	0.00	3,343.92
MW - 10	12/20/04	3391.26	sheen	47.25	0.00	3,344.01
MW - 10	12/30/04	3391.26	sheen	46.96	0.00	3,344.30
MW - 10	01/03/05	3391.26	sheen	46.97	0.00	3,344.29
MW - 10	01/10/05	3391.26	sheen	47.17	0.00	3,344.09
MW - 10	01/17/05	3391.26	sheen	47.19	0.00	3,344.07
MW - 10	01/24/05	3391.26	sheen	47.22	0.00	3,344.04
MW - 10	01/31/05	3391.26	sheen	47.32	0.00	3,343.94
MW - 10	02/07/05	3391.26	sheen	47.26	0.00	3,344.00
MW - 10	02/14/05	3391.26	sheen	47.30	0.00	3,343.96
MW - 10	02/21/05	3391.26	sheen	47.31	0.00	3,343.95

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 10	02/28/05	3391.26	sheen	47.33	0.00	3,343.93
MW - 10	03/07/05	3391.26	-	47.17	0.00	3,344.09
MW - 10	03/07/05	3391.26	sheen	47.17	0.00	3,344.09
MW - 10	03/16/05	3391.26	sheen	47.00	0.00	3,344.26
MW - 10	03/21/05	3391.26	sheen	46.94	0.00	3,344.32
MW - 10	03/28/05	3391.26	sheen	47.07	0.00	3,344.19
MW - 10	04/04/05	3391.26	sheen	46.10	0.00	3,345.16
MW - 10	04/13/05	3391.26	sheen	46.13	0.00	3,345.13
MW - 10	04/18/05	3391.26	sheen	47.02	0.00	3,344.24
MW - 10	05/23/05	3391.26	sheen	47.30	0.00	3,343.96
MW - 10	06/07/05	3391.26	sheen	47.11	0.00	3,344.15
MW - 10	06/21/05	3391.26	sheen	47.27	0.00	3,343.99
MW - 10	07/26/05	3391.26	sheen	47.04	0.00	3,344.22
MW - 10	08/25/05	3391.26	sheen	47.14	0.00	3,344.12
MW - 10	09/07/05	3391.26	-	47.18	0.00	3,344.08
MW - 10	09/26/05	3391.26	sheen	47.25	0.00	3,344.01
MW - 10	11/14/05	3391.26	sheen	46.95	0.00	3,344.31
MW - 10	12/14/05	3391.26	-	46.52	0.00	3,344.74
MW - 10	01/01/00	3391.26	sheen	46.22	0.00	3,345.04
MW - 10	01/18/06	3391.26	sheen	46.33	0.00	3,344.93
MW - 10	02/15/06	3391.26	sheen	46.15	0.00	3,345.11
MW - 10	03/06/06	3391.26	sheen	46.27	0.00	3,344.99
MW - 10	03/20/06	3391.26	sheen	46.35	0.00	3,344.91
MW - 10	04/13/06	3391.26	sheen	46.13	0.00	3,345.13
MW - 10	04/19/06	3391.26	sheen	46.24	0.00	3,345.02
MW - 10	05/25/06	3391.26	sheen	45.98	0.00	3,345.28
MW - 10	06/05/06	3391.26	sheen	45.95	0.00	3,345.31
MW - 10	09/11/06	3391.26	sheen	46.49	0.00	3,344.77
MW - 10	10/31/06	3391.26	sheen	46.75	0.00	3,344.51
MW - 10	11/16/06	3391.26	sheen	46.58	0.00	3,344.68
MW - 10	11/21/06	3391.26	sheen	46.55	0.00	3,344.71
MW - 10	01/26/07	3391.26	sheen	46.45	0.00	3,344.81
MW - 10	01/31/07	3391.26	sheen	46.34	0.00	3,344.92
MW - 10	02/15/07	3391.26	-	46.39	0.00	3,344.87
MW - 10	02/20/07	3391.26	-	46.40	0.00	3,344.86
MW - 10	05/15/07	3391.26	sheen	46.61	0.00	3,344.65
MW - 10	08/09/07	3391.26	sheen	46.28	0.00	3,344.98
MW - 10	10/01/07	3391.26	sheen	46.58	0.00	3,344.68
MW - 10	10/12/07	3391.26	sheen	46.55	0.00	3,344.71
MW - 10	11/13/07	3391.26	sheen	46.62	0.00	3,344.64
MW - 10	02/14/08	3391.26	-	46.79	0.00	3,344.47
MW - 10	04/18/08	3391.26	-	45.88	0.00	3,345.38
MW - 10	05/16/08	3391.26	-	46.12	0.00	3,345.14
MW - 10	07/15/08	3391.26	-	46.56	0.00	3,344.70

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 10	07/16/08	3391.26	-	46.62	0.00	3,344.64
MW - 10	08/12/08	3391.26	-	46.65	0.00	3,344.61
MW - 10	08/19/08	3391.26	-	46.71	0.00	3,344.55
MW - 10	10/09/08	3391.26	-	46.90	0.00	3,344.36
MW - 10	10/23/08	3391.26	-	46.88	0.00	3,344.38
MW - 10	10/28/08	3391.26	-	46.84	0.00	3,344.42
MW - 10	11/19/08	3391.26	-	46.25	0.00	3,345.01
MW - 10	11/24/08	3391.26	-	47.10	0.00	3,344.16
MW - 10	12/17/08	3391.26	-	46.92	0.00	3,344.34
MW - 10	02/18/09	3391.26	-	46.17	0.00	3,345.09
MW - 10	03/03/09	3391.26	-	46.11	0.00	3,345.15
MW - 10	03/10/09	3391.26	-	46.29	0.00	3,344.97
MW - 10	03/18/09	3391.26	-	46.38	0.00	3,344.88
MW - 10	03/27/09	3391.26	-	46.44	0.00	3,344.82
MW - 10	04/07/09	3391.26	-	46.54	0.00	3,344.72
MW - 10	04/14/09	3391.26	-	45.59	0.00	3,345.67
MW - 10	04/28/09	3391.26	-	46.68	0.00	3,344.58
MW - 10	05/19/09	3391.26	-	46.78	0.00	3,344.48
MW - 10	05/27/09	3391.26	-	46.86	0.00	3,344.40
MW - 10	06/04/09	3391.26	-	46.87	0.00	3,344.39
MW - 10	06/12/09	3391.26	-	46.93	0.00	3,344.33
MW - 10	06/18/09	3391.26	-	46.96	0.00	3,344.30
MW - 10	06/30/09	3391.26	-	46.13	0.00	3,345.13
MW - 10	07/07/09	3391.26	-	47.02	0.00	3,344.24
MW - 10	07/14/09	3391.26	-	47.04	0.00	3,344.22
MW - 10	07/21/09	3391.26	-	47.05	0.00	3,344.21
MW - 10	07/28/09	3391.26	-	47.04	0.00	3,344.22
MW - 10	08/07/09	3391.26	-	47.05	0.00	3,344.21
MW - 10	08/13/09	3391.26	-	47.01	0.00	3,344.25
MW - 10	08/21/09	3391.26	-	47.04	0.00	3,344.22
MW - 10	08/27/09	3391.26	-	47.08	0.00	3,344.18
MW - 10	09/10/09	3391.26	-	47.06	0.00	3,344.20
MW - 10	09/18/09	3391.26	-	47.09	0.00	3,344.17
MW - 10	09/29/09	3391.26	-	47.05	0.00	3,344.21
MW - 10	10/06/09	3391.26	-	47.07	0.00	3,344.19
MW - 10	10/20/09	3391.26	-	47.10	0.00	3,344.16
MW - 10	10/27/09	3391.26	-	47.11	0.00	3,344.15
MW - 10	11/11/09	3391.26	-	47.11	0.00	3,344.15
MW - 10	11/13/09	3391.26	-	47.00	0.00	3,344.26
MW - 10	12/08/09	3391.26	-	46.95	0.00	3,344.31
MW - 10	12/22/09	3391.26	-	47.11	0.00	3,344.15
MW - 10	01/12/10	3391.26	-	47.13	0.00	3,344.13
MW - 10	01/22/10	3391.26	-	47.06	0.00	3,344.20
MW - 10	02/04/10	3391.26	-	47.13	0.00	3,344.13

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 10	03/03/10	3391.26	sheen	47.33	0.00	3,343.93
MW - 10	03/16/10	3391.26	sheen	47.42	0.00	3,343.84
MW - 10	04/15/10	3391.26	sheen	47.43	0.00	3,343.83
MW - 10	05/07/10	3391.26	sheen	47.41	0.00	3,343.85
MW - 10	05/28/10	3391.26	sheen	47.43	0.00	3,343.83
MW - 10	06/08/10	3391.26	sheen	47.38	0.00	3,343.88
MW - 10	06/25/10	3391.26	-	47.36	0.00	3,343.90
MW - 10	07/08/10	3391.26	sheen	47.35	0.00	3,343.91
MW - 10	07/28/10	3391.26	sheen	47.37	0.00	3,343.89
MW - 10	08/06/10	3391.26	-	47.41	0.00	3,343.85
MW - 10	08/31/10	3391.26	sheen	47.44	0.00	3,343.82
MW - 10	09/10/10	3391.26	sheen	47.49	0.00	3,343.77
MW - 10	09/24/10	3391.26	sheen	47.37	0.00	3,343.89
MW - 10	10/06/10	3391.26	sheen	47.35	0.00	3,343.91
MW - 10	10/26/10	3391.26	-	47.06	0.00	3,344.20
MW - 10	11/05/10	3391.26	-	47.45	0.00	3,343.81
MW - 10	12/17/10	3391.26	-	47.07	0.00	3,344.19
MW - 10	01/13/11	3391.26	-	47.43	0.00	3,343.83
MW - 10	02/11/11	3391.26	-	47.45	0.00	3,343.81
MW - 10	05/09/11	3391.26	-	47.47	0.00	3,343.79
MW - 10	05/20/11	3391.26	-	47.84	0.00	3,343.42
MW - 10	06/29/11	3391.26	-	47.93	0.00	3,343.33
MW - 10	07/05/11	3391.26	-	48.01	0.00	3,343.25
MW - 10	07/25/11	3391.26	-	48.11	0.00	3,343.15
MW - 10	08/05/11	3391.26	-	47.50	0.00	3,343.76
MW - 10	08/11/11	3391.26	-	48.24	0.00	3,343.02
MW - 10	08/24/11	3391.26	-	48.30	0.00	3,342.96
MW - 10	09/09/11	3391.26	-	48.34	0.00	3,342.92
MW - 10	09/23/11	3391.26	-	48.41	0.00	3,342.85
MW - 10	11/17/11	3391.26	-	48.44	0.00	3,342.82
MW - 10	01/30/12	3391.26	48.35	48.75	0.40	3,342.85
MW - 10	02/28/12	3391.26	48.05	48.70	0.65	3,343.11
MW - 10	03/15/12	3391.26	48.13	48.64	0.51	3,343.05
MW - 10	03/28/12	3391.26	48.15	48.48	0.33	3,343.06
MW - 10	04/05/12	3391.26	47.96	48.40	0.44	3,343.23
MW - 10	04/23/12	3391.26	47.94	48.60	0.66	3,343.22
MW - 10	05/03/12	3391.26	48.13	49.38	1.25	3,342.94
MW - 10	06/28/12	3391.26	48.21	49.84	1.63	3,342.81
MW - 10	08/24/12	3391.26	48.30	48.95	0.65	3,342.86
MW - 10	10/12/12	3391.26	48.22	50.05	1.83	3,342.77
MW - 10	10/24/12	3391.26	48.14	49.57	1.43	3,342.91
MW - 10	11/15/12	3391.26	48.14	49.76	1.62	3,342.88
MW - 10	12/20/12	3391.26	48.11	49.86	1.75	3,342.89
MW - 10	01/14/13	3391.26	47.97	49.60	1.63	3,343.05

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 10	02/14/13	3391.26	47.94	49.73	1.79	3,343.05
MW - 10	03/29/13	3391.26	47.89	49.61	1.72	3,343.11
MW - 10	04/19/13	3391.26	47.89	49.59	1.70	3,343.12
MW - 10	04/30/13	3391.26	47.86	49.39	1.53	3,343.17
MW - 10	05/23/13	3391.26	47.89	49.72	1.83	3,343.10
MW - 10	05/28/13	3391.26	47.98	49.38	1.40	3,343.07
MW - 10	05/30/13	3391.26	47.92	49.43	1.51	3,343.11
MW - 10	06/06/13	3391.26	48.01	49.72	1.71	3,342.99
MW - 10	06/13/13	3391.26	48.04	49.66	1.62	3,342.98
MW - 10	06/19/13	3391.26	48.03	49.54	1.51	3,343.00
MW - 10	07/30/13	3391.26	48.15	50.59	2.44	3,342.74
MW - 10	08/06/13	3391.26	48.17	50.49	2.32	3,342.74
MW - 10	08/09/13	3391.26	48.22	50.61	2.39	3,342.68
MW - 10	08/30/13	3391.26	48.27	50.63	2.36	3,342.64
MW - 10	09/12/13	3391.26	48.38	50.43	2.05	3,342.57
MW - 10	10/03/13	3391.26	48.38	50.43	2.05	3,342.57
MW - 10	11/01/13	3391.26	48.48	50.74	2.26	3,342.44
MW - 10	11/07/13	3391.26	48.60	50.18	1.58	3,342.42
MW - 10	12/10/13	3391.26	48.41	49.60	1.19	3,342.67
MW - 10	01/01/14	3391.26	48.43	49.91	1.48	3,342.61
MW - 10	01/16/14	3391.26	48.48	50.32	1.84	3,342.50
MW - 10	01/23/14	3391.26	48.48	50.52	2.04	3,342.47
MW - 10	01/28/14	3391.26	48.65	50.13	1.48	3,342.39
MW - 10	02/11/14	3391.26	48.67	49.72	1.05	3,342.43
MW - 10	03/05/14	3391.26	48.59	50.27	1.68	3,342.42
MW - 10	03/13/14	3391.26	48.55	50.35	1.80	3,342.44
MW - 10	03/29/14	3391.26	48.57	49.99	1.42	3,342.48
MW - 10	04/08/14	3391.26	48.67	49.89	1.22	3,342.41
MW - 10	04/17/14	3391.26	48.68	49.85	1.17	3,342.40
MW - 10	04/25/14	3391.26	48.60	49.49	0.89	3,342.53
MW - 10	05/01/14	3391.26	48.66	49.30	0.64	3,342.50
MW - 10	05/08/14	3391.26	48.62	49.37	0.75	3,342.53
MW - 10	05/14/14	3391.26	48.63	49.35	0.72	3,342.52
MW - 10	05/23/14	3391.26	48.70	49.48	0.78	3,342.44
MW - 10	05/27/14	3391.26	48.80	49.23	0.43	3,342.40
MW - 10	05/29/14	3391.26	48.81	49.23	0.42	3,342.39
MW - 10	06/11/14	3391.26	48.79	49.36	0.57	3,342.38
MW - 10	06/05/14	3391.26	48.74	49.36	0.62	3,342.43
MW - 10	06/18/14	3391.26	48.78	49.45	0.67	3,342.38
MW - 10	06/26/14	3391.26	48.81	49.38	0.57	3,342.36
MW - 10	07/01/14	3391.26	48.43	49.42	0.99	3,342.68
MW - 10	07/10/14	3391.26	48.93	49.63	0.70	3,342.23
MW - 10	07/17/14	3391.26	48.91	49.75	0.84	3,342.22
MW - 10	07/23/14	3391.26	49.07	49.65	0.58	3,342.10

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 10	07/31/14	3391.26	49.02	49.65	0.63	3,342.15
MW - 10	08/06/14	3391.26	49.02	49.49	0.47	3,342.17
MW - 10	08/12/14	3391.26	49.09	49.53	0.44	3,342.10
MW - 10	08/21/14	3391.26	49.05	49.68	0.63	3,342.12
MW - 10	09/04/14	3391.26	49.08	49.78	0.70	3,342.08
MW - 10	10/02/14	3391.26	48.94	49.78	0.84	3,342.19
MW - 10	10/08/14	3391.26	48.91	49.46	0.55	3,342.27
MW - 10	10/14/14	3391.26	48.93	49.43	0.50	3,342.26
MW - 10	10/17/14	3391.26	48.97	49.42	0.45	3,342.22
MW - 10	10/23/14	3391.26	48.91	49.40	0.49	3,342.28
MW - 10	10/24/14	3391.26	48.91	49.40	0.49	3,342.28
MW - 10	10/28/14	3391.26	48.90	49.27	0.37	3,342.30
MW - 10	11/07/14	3391.26	48.81	49.26	0.45	3,342.38
MW - 10	11/14/14	3391.26	48.83	49.23	0.40	3,342.37
MW - 10	11/15/14	3391.26	48.78	49.21	0.43	3,342.42
MW - 10	12/04/14	3391.26	48.14	49.22	1.08	3,342.96
MW - 10	12/11/14	3391.26	48.85	49.21	0.36	3,342.36
MW - 10	12/18/14	3391.26	48.59	49.44	0.85	3,342.54
MW - 10	12/23/14	3391.26	48.86	49.19	0.33	3,342.35
MW - 10	01/07/15	3391.26	48.70	49.35	0.65	3,342.46
MW - 10	01/15/15	3391.26	48.57	49.21	0.64	3,342.59
MW - 10	01/28/15	3391.26	48.42	49.22	0.80	3,342.72
MW - 10	02/04/15	3391.26	48.38	49.23	0.85	3,342.75
MW - 10	02/13/15	3391.26	48.37	49.19	0.82	3,342.77
MW - 10	02/16/15	3391.26	48.36	49.28	0.92	3,342.76
MW - 10	02/17/15	3391.26	48.39	49.30	0.91	3,342.73
MW - 10	02/24/15	3391.26	48.37	49.07	0.70	3,342.79
MW - 10	03/10/15	3391.26	48.31	49.09	0.78	3,342.83
MW - 10	03/17/15	3391.26	48.30	49.01	0.71	3,342.85
MW - 10	03/18/15	3391.26	48.25	48.94	0.69	3,342.91
MW - 10	03/25/15	3391.26	48.23	48.92	0.69	3,342.93
MW - 10	04/07/15	3391.26	48.22	48.91	0.69	3,342.94
MW - 10	04/08/15	3391.26	48.13	48.76	0.63	3,343.04
MW - 10	04/21/15	3391.26	-	48.26	0.00	3,343.00
MW - 10	04/28/15	3391.26	48.89	49.13	0.24	3,342.33
MW - 10	05/06/15	3391.26	48.20	48.32	0.12	3,343.04
MW - 10	05/20/15	3391.26	48.08	48.37	0.29	3,343.14
MW - 10	05/28/15	3391.26	48.04	48.34	0.30	3,343.18
MW - 10	06/02/15	3391.26	47.99	48.27	0.28	3,343.23
MW - 10	06/09/15	3391.26	47.93	48.24	0.31	3,343.28
MW - 10	06/18/15	3391.26	48.12	48.19	0.07	3,343.13
MW - 10	06/30/15	3391.26	48.24	48.27	0.03	3,343.02
MW - 10	07/06/15	3391.26	48.36	48.37	0.01	3,342.90
MW - 10	07/09/15	3391.26	48.27	48.30	0.03	3,342.99

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 10	07/21/15	3391.26	-	48.10	0.00	3,343.16
MW - 10	07/28/15	3391.26	48.07	48.08	0.01	3,343.19
MW - 10	08/06/15	3391.26	48.83	49.12	0.29	3,342.39
MW - 10	08/11/15	3391.26	48.10	48.13	0.03	3,343.16
MW - 10	08/18/15	3391.26	48.04	48.05	0.01	3,343.22
MW - 10	08/26/15	3391.26	48.18	48.30	0.12	3,343.06
MW - 10	09/11/15	3391.26	48.25	48.37	0.12	3,342.99
MW - 10	09/17/15	3391.26	48.28	48.42	0.14	3,342.96
MW - 10	09/25/15	3391.26	48.38	48.44	0.06	3,342.87
MW - 10	09/30/15	3391.26	48.36	48.51	0.15	3,342.88
MW - 10	10/06/15	3391.26	48.34	48.44	0.10	3,342.91
MW - 10	10/09/15	3391.26	48.50	48.58	0.08	3,342.75
MW - 10	10/13/15	3391.26	48.46	48.57	0.11	3,342.78
MW - 10	10/15/15	3391.26	48.72	48.83	0.11	3,342.52
MW - 10	10/21/15	3391.26	48.37	48.48	0.11	3,342.87
MW - 10	10/26/15	3391.26	48.36	48.49	0.13	3,342.88
MW - 10	11/09/15	3391.26	48.50	48.52	0.02	3,342.76
MW - 10	11/20/15	3391.26	48.32	48.33	0.01	3,342.94
MW - 10	11/25/15	3391.26	-	48.57	0.00	3,342.69
MW - 10	12/01/15	3391.26	-	48.52	0.00	3,342.74
MW - 10	12/09/15	3391.26	-	48.55	0.00	3,342.71
MW - 10	12/11/15	3391.26	48.21	48.33	0.12	3,343.03
MW - 10	12/15/15	3391.26	-	47.43	0.00	3,343.83
MW - 10	01/06/16	3391.26	-	48.24	0.00	3,343.02
MW - 10	01/11/16	3391.26	48.33	48.34	0.01	3,342.93
MW - 10	01/13/16	3391.26	-	48.20	0.00	3,343.06
MW - 10	01/28/16	3391.26	48.10	48.12	0.02	3,343.16
MW - 10	02/03/16	3391.26	47.94	47.95	0.01	3,343.32
MW - 10	02/10/16	3391.26	47.96	47.97	0.01	3,343.30
MW - 10	02/15/16	3391.26	47.79	47.80	0.01	3,343.47
MW - 10	02/17/16	3391.26	47.87	47.88	0.01	3,343.39
MW - 10	02/23/16	3391.26	47.81	47.82	0.01	3,343.45
MW - 10	03/08/16	3391.26	47.79	47.80	0.01	3,343.47
MW - 10	03/16/16	3391.26	47.74	47.75	0.01	3,343.52
MW - 10	03/18/16	3391.26	-	47.86	0.00	3,343.40
MW - 10	03/23/16	3391.26	47.69	47.70	0.01	3,343.57
MW - 10	03/29/16	3391.26	47.67	47.70	0.03	3,343.59
MW - 10	04/04/16	3391.26	47.90	47.91	0.01	3,343.36
MW - 10	04/08/16	3391.26	47.70	47.78	0.08	3,343.55
MW - 10	04/12/16	3391.26	47.75	47.76	0.01	3,343.51
MW - 10	05/03/16	3391.26	47.93	47.94	0.01	3,343.33
MW - 10	05/12/16	3391.26	-	47.73	0.00	3,343.53
MW - 10	05/26/16	3391.26	47.61	47.69	0.08	3,343.64
MW - 10	06/09/16	3391.26	47.78	47.95	0.17	3,343.45

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 10	07/01/16	3391.26	47.79	47.86	0.07	3,343.46
MW - 10	07/20/16	3391.26	-	47.97	0.00	3,343.29
MW - 10	07/28/16	3391.26	47.90	47.91	0.01	3,343.36
MW - 10	08/04/16	3391.26	-	47.77	0.00	3,343.49
MW - 10	08/10/16	3391.26	47.84	47.86	0.02	3,343.42
MW - 10	08/16/16	3391.26	47.89	47.91	0.02	3,343.37
MW - 10	08/23/16	3391.26	47.89	47.90	0.01	3,343.37
MW - 10	09/12/16	3391.26	47.82	48.02	0.20	3,343.41
MW - 10	09/23/16	3391.26	47.81	48.01	0.20	3,343.42
MW - 10	09/28/16	3391.26	47.82	48.13	0.31	3,343.39
MW - 10	10/12/16	3391.26	47.77	47.97	0.20	3,343.46
MW - 10	10/17/16	3391.26	47.66	47.94	0.28	3,343.56
MW - 10	11/02/16	3391.26	47.71	48.00	0.29	3,343.51
MW - 10	11/09/16	3391.26	47.71	48.01	0.30	3,343.51
MW - 10	11/29/16	3391.26	47.72	47.84	0.12	3,343.52
MW - 10	12/16/16	3391.26	47.60	47.61	0.01	3,343.66
MW - 10	01/26/17	3391.26	47.49	47.50	0.01	3,343.77
MW - 10	02/27/17	3391.26	47.41	47.51	0.10	3,343.84
MW - 10	03/30/17	3391.26	47.36	47.43	0.07	3,343.89
MW - 10	04/04/17	3391.26	47.34	47.41	0.07	3,343.91
MW - 10	04/21/17	3391.26	47.23	47.26	0.03	3,344.03
MW - 10	05/18/17	3391.26	47.27	47.30	0.03	3,343.99
MW - 10	07/20/17	3391.26	47.20	47.25	0.05	3,344.05
MW - 10	08/29/17	3391.26	47.10	47.12	0.02	3,344.16
MW - 10	10/13/17	3391.26	47.06	47.09	0.03	3,344.20
MW - 10	10/20/17	3391.26	47.06	47.09	0.03	3,344.20
MW - 10	11/07/17	3391.26	47.08	47.10	0.02	3,344.18
MW - 10	01/31/18	3391.26	-	46.86	0.00	3,344.40
MW - 10	02/22/18	3391.26	46.86	46.91	0.05	3,344.39
MW - 10	03/15/18	3391.26	46.80	46.84	0.04	3,344.45
MW - 10	03/23/18	3391.26	46.83	46.88	0.05	3,344.42
MW - 10	04/11/18	3391.26	-	46.81	0.00	3,344.45
MW - 10	04/20/18	3391.26	-	46.81	0.00	3,344.45
MW - 10	05/23/18	3391.26	-	46.78	0.00	3,344.48
MW - 10	06/27/18	3391.26	46.88	46.90	0.02	3,344.38
MW - 10	07/31/18	3391.26	47.04	47.05	0.01	3,344.22
MW - 10	08/14/18	3391.26	-	46.98	0.00	3,344.28
MW - 10	08/29/18	3391.26	47.08	47.10	0.02	3,344.18
MW - 10	09/07/18	3391.26	47.09	47.10	0.01	3,344.17
MW - 10	09/19/18	3391.26	47.05	47.08	0.03	3,344.21
MW - 10	09/28/18	3391.26	-	47.17	0.00	3,344.09
MW - 10	10/04/18	3391.26	-	47.29	0.00	3,343.97
MW - 10	10/17/18	3391.26	-	47.17	0.00	3,344.09
MW - 10	11/09/18	3391.26	-	47.22	0.00	3,344.04

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 10	11/15/18	3391.26	-	47.11	0.00	3,344.15
MW - 10	11/29/18	3391.26	-	46.96	0.00	3,344.30
MW - 10	12/03/18	3391.26	-	47.09	0.00	3,344.17
MW - 10	12/13/18	3391.26	-	47.08	0.00	3,344.18
MW - 10	12/21/18	3391.26	-	47.05	0.00	3,344.21
MW - 10	12/28/18	3391.26	-	47.03	0.00	3,344.23
MW - 10	01/03/19	3391.26	-	47.02	0.00	3,344.24
MW - 10	01/07/19	3391.26	-	46.93	0.00	3,344.33
MW - 10	01/16/19	3391.26	-	46.88	0.00	3,344.38
MW - 10	01/21/19	3391.26	-	46.78	0.00	3,344.48
MW - 10	01/28/19	3391.26	-	46.95	0.00	3,344.31
MW - 10	02/08/19	3391.26	-	47.10	0.00	3,344.16
MW - 10	02/13/19	3391.26	-	46.91	0.00	3,344.35
MW - 10	02/19/19	3391.26	-	46.80	0.00	3,344.46
MW - 10	03/01/19	3391.26	-	46.86	0.00	3,344.40
MW - 10	03/05/19	3391.26	-	46.89	0.00	3,344.37
MW - 10	03/20/19	3391.26	-	46.94	0.00	3,344.32
MW - 10	03/27/19	3391.26	-	46.92	0.00	3,344.34
MW - 10	04/04/19	3391.26	-	46.85	0.00	3,344.41
MW - 10	04/09/19	3391.26	-	46.78	0.00	3,344.48
MW - 10	04/16/19	3391.26	-	46.79	0.00	3,344.47
MW - 10	04/23/19	3391.26	-	46.84	0.00	3,344.42
MW - 10	05/03/19	3391.26	-	46.73	0.00	3,344.53
MW - 10	05/10/19	3391.26	-	46.83	0.00	3,344.43
MW - 10	05/23/19	3391.26	-	46.70	0.00	3,344.56
MW - 10	06/11/19	3391.26	-	46.69	0.00	3,344.57
MW - 10	06/20/19	3391.26	-	46.66	0.00	3,344.60
MW - 10	06/25/19	3391.26	-	46.69	0.00	3,344.57
MW - 10	07/03/19	3391.26	-	46.67	0.00	3,344.59
MW - 10	07/15/19	3391.26	-	47.64	0.00	3,343.62
MW - 10	07/31/19	3391.26	-	46.66	0.00	3,344.60
MW - 10	08/07/19	3391.26	-	46.65	0.00	3,344.61
MW - 10	08/15/19	3391.26	-	46.64	0.00	3,344.62
MW - 10	08/23/19	3391.26	-	46.62	0.00	3,344.64
MW - 10	09/06/19	3391.26	-	46.62	0.00	3,344.64
MW - 10	09/10/19	3391.26	-	46.61	0.00	3,344.65
MW - 10	09/18/19	3391.26	-	46.59	0.00	3,344.67
MW - 10	10/18/19	3391.26	-	46.48	0.00	3,344.78
MW - 10	11/01/19	3391.26	-	46.55	0.00	3,344.71
MW - 10	11/13/19	3391.26	-	46.40	0.00	3,344.86
MW - 10	11/25/19	3391.26	-	46.44	0.00	3,344.82
MW - 10	12/05/19	3391.26	-	46.49	0.00	3,344.77
MW - 10	12/12/19	3391.26	-	46.42	0.00	3,344.84
MW - 10	12/19/19	3391.26	-	46.45	0.00	3,344.81

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 10	01/16/20	3391.26	-	46.47	0.00	3,344.79
MW - 10	01/24/20	3391.26	-	46.43	0.00	3,344.83
MW - 10	02/06/20	3391.26	-	46.36	0.00	3,344.90
MW - 10	02/14/20	3391.26	-	46.42	0.00	3,344.84
MW - 10	02/21/20	3391.26	-	46.45	0.00	3,344.81
MW - 10	02/25/20	3391.26	-	46.43	0.00	3,344.83
MW - 10	05/28/20	3391.26	-	46.33	0.00	3,344.93
MW - 10	06/15/20	3391.26	-	46.27	0.00	3,344.99
MW - 10	07/02/20	3391.26	-	46.34	0.00	3,344.92
MW - 10	07/29/20	3391.26	-	46.44	0.00	3,344.82
MW - 10	08/20/20	3391.26	-	46.50	0.00	3,344.76
MW - 10	08/27/20	3391.26	-	46.52	0.00	3,344.74
MW - 10	09/10/20	3391.26	-	46.62	0.00	3,344.64
MW - 10	10/21/20	3391.26	-	46.54	0.00	3,344.72
MW - 10	11/02/20	3391.26	-	46.54	0.00	3,344.72
MW - 10	12/01/20	3391.26	-	46.36	0.00	3,344.90
MW - 10	12/07/20	3391.26	-	46.45	0.00	3,344.81
MW - 10	01/06/21	3391.26	-	46.38	0.00	3,344.88
MW - 10	02/04/21	3391.26	-	46.41	0.00	3,344.85
MW - 10	02/12/21	3391.26	-	46.42	0.00	3,344.84
MW - 10	03/31/21	3391.26	-	46.33	0.00	3,344.93
MW - 10	04/13/21	3391.26	-	46.22	0.00	3,345.04
MW - 10	04/26/21	3391.26	-	46.13	0.00	3,345.13
MW - 10	05/11/21	3391.26	-	46.17	0.00	3,345.09
MW - 10	06/17/21	3391.26	-	46.19	0.00	3,345.07
MW - 10	07/12/21	3391.26	-	46.32	0.00	3,344.94
MW - 10	07/28/21	3391.26	-	46.39	0.00	3,344.87
MW - 10	08/10/21	3391.26	-	46.44	0.00	3,344.82
MW - 10	07/28/21	3391.26	-	46.39	0.00	3,344.87
MW - 10	08/19/21	3391.26	-	46.45	0.00	3,344.81
MW - 10	09/14/21	3391.26	-	46.52	0.00	3,344.74
MW - 10	09/24/21	3391.26	-	46.57	0.00	3,344.69
MW - 10	10/18/21	3391.26	-	46.60	0.00	3,344.66
MW - 10	10/25/21	3391.26	-	46.64	0.00	3,344.62
MW - 10	11/04/21	3391.26	-	46.75	0.00	3,344.51
MW - 10	11/30/21	3391.26	-	46.73	0.00	3,344.53
MW - 10	12/27/21	3391.26	-	46.61	0.00	3,344.65
MW - 10	01/03/22	3391.26	-	46.77	0.00	3,344.49
MW - 10	01/17/22	3391.26	-	46.65	0.00	3,344.61
MW - 10	02/11/22	3391.26	-	46.63	0.00	3,344.63
MW - 10	03/02/22	3391.26	-	46.65	0.00	3,344.61
MW - 10	03/24/22	3391.26	-	46.70	0.00	3,344.56
MW - 10	04/08/22	3391.26	-	46.81	0.00	3,344.45
MW - 10	04/22/22	3391.26	-	46.68	0.00	3,344.58

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 10	05/06/22	3391.26	-	46.71	0.00	3,344.55
MW - 10	05/26/22	3391.26	-	46.75	0.00	3,344.51
MW - 10	06/20/22	3391.26	-	46.86	0.00	3,344.40
MW - 10	07/11/22	3391.26	-	46.96	0.00	3,344.30
MW - 10	08/19/22	3391.26	-	47.10	0.00	3,344.16
MW - 10	09/12/22	3391.26	-	47.11	0.00	3,344.15
MW - 10	09/21/22	3391.26	-	47.22	0.00	3,344.04
MW - 10	10/05/22	3391.26	-	47.23	0.00	3,344.03
MW - 10	11/22/22	3391.26	-	47.26	0.00	3,344.00
MW - 10	11/28/22	3391.26	-	47.15	0.00	3,344.11
MW - 10	12/05/22	3391.26	-	47.23	0.00	3,344.03
MW - 11	12/04/04	3390.73	-	47.14	0.00	3,343.59
MW - 11	12/10/04	3390.73	-	46.84	0.00	3,343.89
MW - 11	03/07/05	3390.73	-	46.95	0.00	3,343.78
MW - 11	06/07/05	3390.73	-	46.62	0.00	3,344.11
MW - 11	09/07/05	3390.73	46.65	46.66	0.01	3,344.08
MW - 11	09/26/05	3390.73	sheen	46.78	0.00	3,343.95
MW - 11	12/14/05	3390.73	-	46.00	0.00	3,344.73
MW - 11	03/06/06	3390.73	-	45.83	0.00	3,344.90
MW - 11	04/13/06	3390.73	-	45.72	0.00	3,345.01
MW - 11	06/05/06	3390.73	-	45.01	0.00	3,345.72
MW - 11	09/11/06	3390.73	-	46.07	0.00	3,344.66
MW - 11	11/21/06	3390.73	-	46.08	0.00	3,344.65
MW - 11	02/20/07	3390.73	-	45.93	0.00	3,344.80
MW - 11	05/15/07	3390.73	-	46.11	0.00	3,344.62
MW - 11	08/09/07	3390.73	-	45.82	0.00	3,344.91
MW - 11	11/13/07	3390.73	-	46.06	0.00	3,344.67
MW - 11	02/14/08	3390.73	-	46.23	0.00	3,344.50
MW - 11	05/16/08	3390.73	-	45.71	0.00	3,345.02
MW - 11	08/19/08	3390.73	-	46.24	0.00	3,344.49
MW - 11	11/20/08	3390.73	-	46.28	0.00	3,344.45
MW - 11	02/18/09	3390.73	-	45.46	0.00	3,345.27
MW - 11	05/19/09	3390.73	-	46.34	0.00	3,344.39
MW - 11	08/13/09	3390.73	-	46.54	0.00	3,344.19
MW - 11	11/11/09	3390.73	-	46.58	0.00	3,344.15
MW - 11	01/12/10	3390.73	-	46.56	0.00	3,344.17
MW - 11	02/04/10	3390.73	-	46.69	0.00	3,344.04
MW - 11	05/07/10	3390.73	-	46.66	0.00	3,344.07
MW - 11	08/06/10	3390.73	-	46.66	0.00	3,344.07
MW - 11	11/05/10	3390.73	-	46.67	0.00	3,344.06
MW - 11	02/11/11	3390.73	-	46.75	0.00	3,343.98
MW - 11	05/09/11	3390.73	-	46.75	0.00	3,343.98
MW - 11	08/05/11	3390.73	-	46.73	0.00	3,344.00

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 11	11/17/11	3390.73	-	47.98	0.00	3,342.75
MW - 11	02/28/12	3390.73	-	47.69	0.00	3,343.04
MW - 11	05/03/12	3390.73	-	47.70	0.00	3,343.03
MW - 11	08/24/12	3390.73	-	48.01	0.00	3,342.72
MW - 11	11/15/12	3390.73	-	47.91	0.00	3,342.82
MW - 11	02/14/13	3390.73	-	47.75	0.00	3,342.98
MW - 11	05/28/13	3390.73	-	47.73	0.00	3,343.00
MW - 11	08/06/13	3390.73	-	48.09	0.00	3,342.64
MW - 11	11/07/13	3390.73	-	48.41	0.00	3,342.32
MW - 11	03/05/14	3390.73	-	48.40	0.00	3,342.33
MW - 11	05/29/14	3390.73	-	48.42	0.00	3,342.31
MW - 11	07/23/14	3390.73	-	48.68	0.00	3,342.05
MW - 11	08/12/14	3390.73	-	48.73	0.00	3,342.00
MW - 11	10/28/14	3390.73	-	48.51	0.00	3,342.22
MW - 11	11/15/14	3390.73	-	48.38	0.00	3,342.35
MW - 11	02/16/15	3390.73	-	48.02	0.00	3,342.71
MW - 11	03/18/15	3390.73	-	47.89	0.00	3,342.84
MW - 11	04/08/15	3390.73	-	47.77	0.00	3,342.96
MW - 11	05/28/15	3390.73	-	47.53	0.00	3,343.20
MW - 11	07/09/15	3390.73	-	47.53	0.00	3,343.20
MW - 11	08/26/15	3390.73	-	47.72	0.00	3,343.01
MW - 11	09/11/15	3390.73	-	47.82	0.00	3,342.91
MW - 11	09/25/15	3390.73	-	47.92	0.00	3,342.81
MW - 11	10/09/15	3390.73	-	47.97	0.00	3,342.76
MW - 11	10/15/15	3390.73	-	47.91	0.00	3,342.82
MW - 11	11/20/15	3390.73	-	47.88	0.00	3,342.85
MW - 11	12/11/15	3390.73	-	47.72	0.00	3,343.01
MW - 11	01/13/16	3390.73	-	47.52	0.00	3,343.21
MW - 11	02/17/16	3390.73	-	47.32	0.00	3,343.41
MW - 11	03/18/16	3390.73	-	47.26	0.00	3,343.47
MW - 11	04/08/16	3390.73	-	47.22	0.00	3,343.51
MW - 11	04/12/16	3390.73	-	47.28	0.00	3,343.45
MW - 11	05/03/16	3390.73	-	47.18	0.00	3,343.55
MW - 11	05/26/16	3390.73	-	47.16	0.00	3,343.57
MW - 11	06/09/16	3390.73	-	47.25	0.00	3,343.48
MW - 11	07/01/16	3390.73	-	47.23	0.00	3,343.50
MW - 11	07/20/16	3390.73	-	47.33	0.00	3,343.40
MW - 11	08/04/16	3390.73	-	47.34	0.00	3,343.39
MW - 11	09/28/16	3390.73	-	47.42	0.00	3,343.31
MW - 11	11/29/16	3390.73	-	47.14	0.00	3,343.59
MW - 11	12/16/16	3390.73	-	47.04	0.00	3,343.69
MW - 11	01/26/17	3390.73	-	47.02	0.00	3,343.71
MW - 11	02/27/17	3390.73	-	46.87	0.00	3,343.86
MW - 11	03/30/17	3390.73	-	46.82	0.00	3,343.91

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 11	04/21/17	3390.73	-	47.76	0.00	3,342.97
MW - 11	05/18/17	3390.73	-	46.73	0.00	3,344.00
MW - 11	07/20/17	3390.73	-	46.72	0.00	3,344.01
MW - 11	08/29/17	3390.73	-	46.63	0.00	3,344.10
MW - 11	10/13/17	3390.73	-	47.53	0.00	3,343.20
MW - 11	10/20/17	3390.73	-	47.53	0.00	3,343.20
MW - 11	11/07/17	3390.73	-	46.54	0.00	3,344.19
MW - 11	01/31/18	3390.73	-	46.35	0.00	3,344.38
MW - 11	02/22/18	3390.73	-	46.41	0.00	3,344.32
MW - 11	03/15/18	3390.73	-	46.36	0.00	3,344.37
MW - 11	04/20/18	3390.73	-	46.36	0.00	3,344.37
MW - 11	05/23/18	3390.73	-	46.36	0.00	3,344.37
MW - 11	06/27/18	3390.73	-	46.46	0.00	3,344.27
MW - 11	07/31/18	3390.73	-	46.59	0.00	3,344.14
MW - 11	08/29/18	3390.73	-	46.65	0.00	3,344.08
MW - 11	09/28/18	3390.73	-	46.65	0.00	3,344.08
MW - 11	11/29/18	3390.73	-	46.50	0.00	3,344.23
MW - 11	12/13/18	3390.73	-	46.54	0.00	3,344.19
MW - 11	01/03/19	3390.73	-	46.44	0.00	3,344.29
MW - 11	03/05/19	3390.73	-	46.43	0.00	3,344.30
MW - 11	03/20/19	3390.73	-	46.38	0.00	3,344.35
MW - 11	04/04/19	3390.73	-	46.31	0.00	3,344.42
MW - 11	06/11/19	3390.73	-	46.24	0.00	3,344.49
MW - 11	07/15/19	3390.73	-	46.19	0.00	3,344.54
MW - 11	08/15/19	3390.73	-	46.18	0.00	3,344.55
MW - 11	11/25/19	3390.73	-	45.94	0.00	3,344.79
MW - 11	12/12/19	3390.73	-	45.98	0.00	3,344.75
MW - 11	01/24/20	3390.73	-	45.96	0.00	3,344.77
MW - 11	02/25/20	3390.73	-	46.00	0.00	3,344.73
MW - 11	05/28/20	3390.73	-	45.85	0.00	3,344.88
MW - 11	06/15/20	3390.73	-	45.85	0.00	3,344.88
MW - 11	08/27/20	3390.73	-	45.99	0.00	3,344.74
MW - 11	09/10/20	3390.73	-	46.10	0.00	3,344.63
MW - 11	10/21/20	3390.73	-	46.07	0.00	3,344.66
MW - 11	12/01/20	3390.73	-	45.94	0.00	3,344.79
MW - 11	01/06/21	3390.73	-	45.99	0.00	3,344.74
MW - 11	02/04/21	3390.73	-	45.98	0.00	3,344.75
MW - 11	04/26/21	3390.73	-	45.69	0.00	3,345.04
MW - 11	06/16/21	3390.73	-	45.78	0.00	3,344.95
MW - 11	07/28/21	3390.73	-	45.96	0.00	3,344.77
MW - 11	08/19/21	3390.73	-	46.03	0.00	3,344.70
MW - 11	09/24/21	3390.73	-	46.13	0.00	3,344.60
MW - 11	10/18/21	3390.73	-	46.17	0.00	3,344.56

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 11	11/30/21	3390.73	-	46.19	0.00	3,344.54
MW - 11	01/17/22	3390.73	-	46.17	0.00	3,344.56
MW - 11	03/02/22	3390.73	-	46.23	0.00	3,344.50
MW - 11	04/08/22	3390.73	-	46.31	0.00	3,344.42
MW - 11	05/25/22	3390.73	-	46.34	0.00	3,344.39
MW - 11	09/12/22	3390.73	-	46.75	0.00	3,343.98
MW - 11	11/28/22	3390.73	-	46.76	0.00	3,343.97
MW - 12	03/05/14	3391.57	-	49.06	0.00	3,342.51
MW - 12	04/17/14	3391.57	-	49.06	0.00	3,342.51
MW - 12	04/25/14	3391.57	-	48.97	0.00	3,342.60
MW - 12	05/01/14	3391.57	-	48.98	0.00	3,342.59
MW - 12	05/08/14	3391.57	-	48.97	0.00	3,342.60
MW - 12	05/14/14	3391.57	-	48.96	0.00	3,342.61
MW - 12	05/23/14	3391.57	-	49.09	0.00	3,342.48
MW - 12	05/27/14	3391.57	-	49.04	0.00	3,342.53
MW - 12	05/29/14	3391.57	-	49.03	0.00	3,342.54
MW - 12	06/11/14	3391.57	-	49.09	0.00	3,342.48
MW - 12	06/05/14	3391.57	-	49.08	0.00	3,342.49
MW - 12	06/18/14	3391.57	-	49.02	0.00	3,342.55
MW - 12	06/26/14	3391.57	-	49.16	0.00	3,342.41
MW - 12	07/01/14	3391.57	-	49.23	0.00	3,342.34
MW - 12	07/10/14	3391.57	-	49.28	0.00	3,342.29
MW - 12	07/17/14	3391.57	-	49.29	0.00	3,342.28
MW - 12	07/23/14	3391.57	-	49.32	0.00	3,342.25
MW - 12	07/31/14	3391.57	-	49.38	0.00	3,342.19
MW - 12	08/06/14	3391.57	-	49.34	0.00	3,342.23
MW - 12	08/12/14	3391.57	-	49.38	0.00	3,342.19
MW - 12	08/21/14	3391.57	-	49.38	0.00	3,342.19
MW - 12	09/04/14	3391.57	-	49.39	0.00	3,342.18
MW - 12	10/02/14	3391.57	-	49.31	0.00	3,342.26
MW - 12	10/08/14	3391.57	-	49.23	0.00	3,342.34
MW - 12	10/14/14	3391.57	-	49.25	0.00	3,342.32
MW - 12	10/17/14	3391.57	-	49.22	0.00	3,342.35
MW - 12	10/23/14	3391.57	-	49.20	0.00	3,342.37
MW - 12	10/28/14	3391.57	-	49.17	0.00	3,342.40
MW - 12	11/07/14	3391.57	-	49.04	0.00	3,342.53
MW - 12	11/14/14	3391.57	-	49.10	0.00	3,342.47
MW - 12	11/15/14	3391.57	-	49.06	0.00	3,342.51
MW - 12	12/04/14	3391.57	-	48.97	0.00	3,342.60
MW - 12	12/11/14	3391.57	-	48.95	0.00	3,342.62
MW - 12	12/18/14	3391.57	-	48.95	0.00	3,342.62
MW - 12	12/23/14	3391.57	-	48.93	0.00	3,342.64

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 12	01/07/15	3391.57	-	48.99	0.00	3,342.58
MW - 12	01/15/15	3391.57	-	48.85	0.00	3,342.72
MW - 12	01/28/15	3391.57	-	48.73	0.00	3,342.84
MW - 12	02/04/15	3391.57	-	48.70	0.00	3,342.87
MW - 12	02/13/15	3391.57	-	48.72	0.00	3,342.85
MW - 12	02/16/15	3391.57	-	48.71	0.00	3,342.86
MW - 12	02/17/15	3391.57	-	48.75	0.00	3,342.82
MW - 12	02/24/15	3391.57	-	48.68	0.00	3,342.89
MW - 12	03/10/15	3391.57	-	48.62	0.00	3,342.95
MW - 12	03/17/15	3391.57	-	48.61	0.00	3,342.96
MW - 12	03/18/15	3391.57	-	48.57	0.00	3,343.00
MW - 12	03/25/15	3391.57	-	48.54	0.00	3,343.03
MW - 12	04/07/15	3391.57	-	48.54	0.00	3,343.03
MW - 12	04/08/15	3391.57	-	48.44	0.00	3,343.13
MW - 12	04/21/15	3391.57	-	48.45	0.00	3,343.12
MW - 12	04/28/15	3391.57	-	48.91	0.00	3,342.66
MW - 12	05/06/15	3391.57	-	48.33	0.00	3,343.24
MW - 12	05/20/15	3391.57	-	48.32	0.00	3,343.25
MW - 12	05/28/15	3391.57	-	48.21	0.00	3,343.36
MW - 12	06/09/15	3391.57	-	48.21	0.00	3,343.36
MW - 12	06/18/15	3391.57	-	48.21	0.00	3,343.36
MW - 12	06/30/15	3391.57	-	48.29	0.00	3,343.28
MW - 12	07/06/15	3391.57	-	48.25	0.00	3,343.32
MW - 12	07/09/15	3391.57	-	48.26	0.00	3,343.31
MW - 12	07/28/15	3391.57	-	48.26	0.00	3,343.31
MW - 12	08/06/15	3391.57	-	48.91	0.00	3,342.66
MW - 12	08/26/15	3391.57	-	48.41	0.00	3,343.16
MW - 12	09/09/15	3391.57	-	48.53	0.00	3,343.04
MW - 12	09/11/15	3391.57	-	48.53	0.00	3,343.04
MW - 12	09/17/15	3391.57	-	48.53	0.00	3,343.04
MW - 12	09/25/15	3391.57	-	48.60	0.00	3,342.97
MW - 12	09/30/15	3391.57	-	48.51	0.00	3,343.06
MW - 12	10/09/15	3391.57	-	48.65	0.00	3,342.92
MW - 12	10/13/15	3391.57	-	48.58	0.00	3,342.99
MW - 12	10/15/15	3391.57	-	48.58	0.00	3,342.99
MW - 12	10/21/15	3391.57	-	48.60	0.00	3,342.97
MW - 12	10/26/15	3391.57	-	48.62	0.00	3,342.95
MW - 12	11/09/15	3391.57	-	48.61	0.00	3,342.96
MW - 12	11/20/15	3391.57	-	48.54	0.00	3,343.03
MW - 12	11/25/15	3391.57	-	48.52	0.00	3,343.05
MW - 12	12/01/15	3391.57	-	48.52	0.00	3,343.05
MW - 12	12/09/15	3391.57	-	48.53	0.00	3,343.04
MW - 12	12/11/15	3391.57	-	48.40	0.00	3,343.17

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 12	12/15/15	3391.57	-	48.35	0.00	3,343.22
MW - 12	01/06/16	3391.57	-	48.29	0.00	3,343.28
MW - 12	01/11/16	3391.57	-	48.28	0.00	3,343.29
MW - 12	01/13/16	3391.57	-	48.08	0.00	3,343.49
MW - 12	01/28/16	3391.57	-	48.17	0.00	3,343.40
MW - 12	02/03/16	3391.57	-	48.17	0.00	3,343.40
MW - 12	02/10/16	3391.57	-	48.08	0.00	3,343.49
MW - 12	02/15/16	3391.57	-	48.04	0.00	3,343.53
MW - 12	02/17/16	3391.57	-	48.01	0.00	3,343.56
MW - 12	02/23/16	3391.57	-	48.07	0.00	3,343.50
MW - 12	03/08/16	3391.57	-	47.92	0.00	3,343.65
MW - 12	03/16/16	3391.57	-	47.90	0.00	3,343.67
MW - 12	03/18/16	3391.57	-	47.99	0.00	3,343.58
MW - 12	03/23/16	3391.57	-	47.88	0.00	3,343.69
MW - 12	03/29/16	3391.57	-	47.86	0.00	3,343.71
MW - 12	04/04/16	3391.57	-	47.94	0.00	3,343.63
MW - 12	04/08/16	3391.57	-	47.91	0.00	3,343.66
MW - 12	04/12/16	3391.57	-	47.96	0.00	3,343.61
MW - 12	04/21/16	3391.57	-	47.96	0.00	3,343.61
MW - 12	05/03/16	3391.57	-	48.18	0.00	3,343.39
MW - 12	05/12/16	3391.57	-	47.95	0.00	3,343.62
MW - 12	05/26/16	3391.57	-	47.84	0.00	3,343.73
MW - 12	06/09/16	3391.57	-	47.96	0.00	3,343.61
MW - 12	07/01/16	3391.57	-	47.94	0.00	3,343.63
MW - 12	07/20/16	3391.57	-	48.05	0.00	3,343.52
MW - 12	07/28/16	3391.57	-	47.99	0.00	3,343.58
MW - 12	08/04/16	3391.57	-	48.03	0.00	3,343.54
MW - 12	08/10/16	3391.57	-	48.02	0.00	3,343.55
MW - 12	08/16/16	3391.57	-	48.07	0.00	3,343.50
MW - 12	08/23/16	3391.57	-	48.06	0.00	3,343.51
MW - 12	09/12/16	3391.57	-	48.09	0.00	3,343.48
MW - 12	09/23/16	3391.57	-	48.10	0.00	3,343.47
MW - 12	09/28/16	3391.57	-	48.10	0.00	3,343.47
MW - 12	10/12/16	3391.57	-	48.06	0.00	3,343.51
MW - 12	10/17/16	3391.57	-	47.97	0.00	3,343.60
MW - 12	11/02/16	3391.57	-	48.01	0.00	3,343.56
MW - 12	11/09/16	3391.57	-	48.02	0.00	3,343.55
MW - 12	11/29/16	3391.57	-	47.82	0.00	3,343.75
MW - 12	12/16/16	3391.57	-	47.71	0.00	3,343.86
MW - 12	12/21/16	3391.57	-	47.80	0.00	3,343.77
MW - 12	01/06/17	3391.57	-	47.75	0.00	3,343.82
MW - 12	01/13/17	3391.57	-	47.69	0.00	3,343.88
MW - 12	01/20/17	3391.57	-	47.63	0.00	3,343.94

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 12	01/26/17	3391.57	-	47.73	0.00	3,343.84
MW - 12	02/03/17	3391.57	-	47.69	0.00	3,343.88
MW - 12	02/07/17	3391.57	-	47.68	0.00	3,343.89
MW - 12	02/16/17	3391.57	-	47.58	0.00	3,343.99
MW - 12	02/20/17	3391.57	-	47.65	0.00	3,343.92
MW - 12	02/27/17	3391.57	-	47.56	0.00	3,344.01
MW - 12	03/14/17	3391.57	-	47.55	0.00	3,344.02
MW - 12	03/21/17	3391.57	-	47.55	0.00	3,344.02
MW - 12	03/30/17	3391.57	-	47.51	0.00	3,344.06
MW - 12	04/04/17	3391.57	-	47.49	0.00	3,344.08
MW - 12	04/10/17	3391.57	-	47.51	0.00	3,344.06
MW - 12	04/21/17	3391.57	-	47.46	0.00	3,344.11
MW - 12	04/25/17	3391.57	-	47.40	0.00	3,344.17
MW - 12	05/01/17	3391.57	-	47.47	0.00	3,344.10
MW - 12	05/09/17	3391.57	-	47.46	0.00	3,344.11
MW - 12	05/15/17	3391.57	-	47.43	0.00	3,344.14
MW - 12	05/18/17	3391.57	-	47.43	0.00	3,344.14
MW - 12	05/22/17	3391.57	-	47.42	0.00	3,344.15
MW - 12	06/05/17	3391.57	-	47.43	0.00	3,344.14
MW - 12	06/14/17	3391.57	-	47.42	0.00	3,344.15
MW - 12	06/20/17	3391.57	-	47.42	0.00	3,344.15
MW - 12	06/27/17	3391.57	-	47.36	0.00	3,344.21
MW - 12	07/03/17	3391.57	-	47.39	0.00	3,344.18
MW - 12	07/11/17	3391.57	-	47.37	0.00	3,344.20
MW - 12	07/20/17	3391.57	-	47.41	0.00	3,344.16
MW - 12	07/24/17	3391.57	-	47.41	0.00	3,344.16
MW - 12	08/03/17	3391.57	-	47.40	0.00	3,344.17
MW - 12	08/08/17	3391.57	-	47.38	0.00	3,344.19
MW - 12	08/17/17	3391.57	-	47.38	0.00	3,344.19
MW - 12	08/21/17	3391.57	-	47.37	0.00	3,344.20
MW - 12	08/29/17	3391.57	-	47.33	0.00	3,344.24
MW - 12	09/05/17	3391.57	-	47.33	0.00	3,344.24
MW - 12	09/12/17	3391.57	-	47.26	0.00	3,344.31
MW - 12	09/18/17	3391.57	-	47.27	0.00	3,344.30
MW - 12	10/06/17	3391.57	-	47.25	0.00	3,344.32
MW - 12	10/13/17	3391.57	-	47.23	0.00	3,344.34
MW - 12	10/18/17	3391.57	-	47.23	0.00	3,344.34
MW - 12	10/20/17	3391.57	-	47.23	0.00	3,344.34
MW - 12	10/26/17	3391.57	-	47.19	0.00	3,344.38
MW - 12	10/31/17	3391.57	-	47.18	0.00	3,344.39
MW - 12	11/07/17	3391.57	-	47.24	0.00	3,344.33
MW - 12	11/17/17	3391.57	-	47.16	0.00	3,344.41
MW - 12	12/01/17	3391.57	-	47.16	0.00	3,344.41

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 12	12/07/17	3391.57	-	47.19	0.00	3,344.38
MW - 12	12/12/17	3391.57	-	47.23	0.00	3,344.34
MW - 12	12/18/17	3391.57	-	47.14	0.00	3,344.43
MW - 12	01/05/18	3391.57	-	47.15	0.00	3,344.42
MW - 12	01/19/18	3391.57	-	47.12	0.00	3,344.45
MW - 12	01/23/18	3391.57	-	47.13	0.00	3,344.44
MW - 12	01/31/18	3391.57	-	47.04	0.00	3,344.53
MW - 12	02/09/18	3391.57	-	47.07	0.00	3,344.50
MW - 12	02/16/18	3391.57	-	47.17	0.00	3,344.40
MW - 12	02/22/18	3391.57	-	47.09	0.00	3,344.48
MW - 12	03/01/18	3391.57	-	47.17	0.00	3,344.40
MW - 12	03/15/18	3391.57	-	47.05	0.00	3,344.52
MW - 12	03/23/18	3391.57	-	47.08	0.00	3,344.49
MW - 12	03/30/18	3391.57	-	47.09	0.00	3,344.48
MW - 12	04/04/18	3391.57	-	47.16	0.00	3,344.41
MW - 12	04/11/18	3391.57	-	47.03	0.00	3,344.54
MW - 12	04/20/18	3391.57	-	47.05	0.00	3,344.52
MW - 12	04/25/18	3391.57	-	47.08	0.00	3,344.49
MW - 12	05/02/18	3391.57	-	47.01	0.00	3,344.56
MW - 12	05/23/18	3391.57	-	47.05	0.00	3,344.52
MW - 12	05/31/18	3391.57	-	47.05	0.00	3,344.52
MW - 12	06/15/18	3391.57	-	47.09	0.00	3,344.48
MW - 12	06/20/18	3391.57	-	47.10	0.00	3,344.47
MW - 12	06/27/18	3391.57	-	47.15	0.00	3,344.42
MW - 12	07/05/18	3391.57	-	47.19	0.00	3,344.38
MW - 12	07/09/18	3391.57	-	47.21	0.00	3,344.36
MW - 12	07/26/18	3391.57	-	47.22	0.00	3,344.35
MW - 12	07/31/18	3391.57	-	47.29	0.00	3,344.28
MW - 12	08/29/18	3391.57	-	47.34	0.00	3,344.23
MW - 12	09/19/18	3391.57	-	47.31	0.00	3,344.26
MW - 12	09/28/18	3391.57	-	47.32	0.00	3,344.25
MW - 12	10/17/18	3391.57	-	47.43	0.00	3,344.14
MW - 12	11/29/18	3391.57	-	47.22	0.00	3,344.35
MW - 12	12/03/18	3391.57	-	47.25	0.00	3,344.32
MW - 12	12/13/18	3391.57	-	47.24	0.00	3,344.33
MW - 12	12/21/18	3391.57	-	47.11	0.00	3,344.46
MW - 12	12/28/18	3391.57	-	47.18	0.00	3,344.39
MW - 12	01/03/19	3391.57	-	47.13	0.00	3,344.44
MW - 12	01/07/19	3391.57	-	47.13	0.00	3,344.44
MW - 12	01/16/19	3391.57	-	47.09	0.00	3,344.48
MW - 12	01/21/19	3391.57	-	47.03	0.00	3,344.54
MW - 12	01/28/19	3391.57	-	47.13	0.00	3,344.44
MW - 12	02/19/19	3391.57	-	47.02	0.00	3,344.55

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 12	03/01/19	3391.57	-	47.03	0.00	3,344.54
MW - 12	03/05/19	3391.57	-	47.12	0.00	3,344.45
MW - 12	03/20/19	3391.57	-	47.08	0.00	3,344.49
MW - 12	04/04/19	3391.57	-	47.02	0.00	3,344.55
MW - 12	04/09/19	3391.57	-	46.96	0.00	3,344.61
MW - 12	04/16/19	3391.57	-	46.96	0.00	3,344.61
MW - 12	04/23/19	3391.57	-	46.94	0.00	3,344.63
MW - 12	05/10/19	3391.57	-	46.98	0.00	3,344.59
MW - 12	05/23/19	3391.57	-	46.94	0.00	3,344.63
MW - 12	06/11/19	3391.57	-	46.91	0.00	3,344.66
MW - 12	06/20/19	3391.57	-	46.90	0.00	3,344.67
MW - 12	06/25/19	3391.57	-	46.93	0.00	3,344.64
MW - 12	07/03/19	3391.57	-	46.91	0.00	3,344.66
MW - 12	07/15/19	3391.57	-	46.91	0.00	3,344.66
MW - 12	07/31/19	3391.57	-	46.90	0.00	3,344.67
MW - 12	08/15/19	3391.57	-	46.88	0.00	3,344.69
MW - 12	09/06/19	3391.57	-	46.88	0.00	3,344.69
MW - 12	09/18/19	3391.57	-	46.80	0.00	3,344.77
MW - 12	11/13/19	3391.57	-	46.64	0.00	3,344.93
MW - 12	11/25/19	3391.57	-	46.64	0.00	3,344.93
MW - 12	12/05/19	3391.57	-	46.71	0.00	3,344.86
MW - 12	12/12/19	3391.57	-	46.68	0.00	3,344.89
MW - 12	01/24/20	3391.57	-	46.65	0.00	3,344.92
MW - 12	02/21/20	3391.57	-	46.68	0.00	3,344.89
MW - 12	01/02/00	3391.57	-	46.68	0.00	3,344.89
MW - 12	02/14/20	3391.57	-	46.65	0.00	3,344.92
MW - 12	02/25/20	3391.57	-	46.69	0.00	3,344.88
MW - 12	05/28/20	3391.57	-	46.55	0.00	3,345.02
MW - 12	06/15/20	3391.57	-	46.55	0.00	3,345.02
MW - 12	08/27/20	3391.57	-	46.68	0.00	3,344.89
MW - 12	09/10/20	3391.57	-	46.79	0.00	3,344.78
MW - 12	10/21/20	3391.57	-	46.75	0.00	3,344.82
MW - 12	11/02/20	3391.57	-	46.81	0.00	3,344.76
MW - 12	12/01/20	3391.57	-	46.62	0.00	3,344.95
MW - 12	01/06/21	3391.57	-	46.69	0.00	3,344.88
MW - 12	02/04/21	3391.57	-	46.69	0.00	3,344.88
MW - 12	02/12/21	3391.57	-	46.72	0.00	3,344.85
MW - 12	04/13/21	3391.57	-	46.48	0.00	3,345.09
MW - 12	04/26/21	3391.57	-	46.38	0.00	3,345.19
MW - 12	06/17/21	3391.57	-	46.47	0.00	3,345.10
MW - 12	07/28/21	3391.57	-	46.64	0.00	3,344.93
MW - 12	08/19/21	3391.57	-	46.70	0.00	3,344.87
MW - 12	09/24/21	3391.57	-	46.80	0.00	3,344.77

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 12	10/18/21	3391.57	-	46.84	0.00	3,344.73
MW - 12	10/25/21	3391.57	-	46.87	0.00	3,344.70
MW - 12	11/30/21	3391.57	-	46.87	0.00	3,344.70
MW - 12	01/17/22	3391.57	-	46.84	0.00	3,344.73
MW - 12	03/02/22	3391.57	-	46.90	0.00	3,344.67
MW - 12	05/26/22	3391.57	-	47.01	0.00	3,344.56
MW - 12	09/12/22	3391.57	-	47.41	0.00	3,344.16
MW - 12	11/29/22	3391.57	-	47.40	0.00	3,344.17
MW - 13	03/05/14	3391.89	49.21	49.55	0.34	3,342.63
MW - 13	03/13/14	3391.89	49.14	49.69	0.55	3,342.67
MW - 13	03/29/14	3391.89	49.10	49.72	0.62	3,342.70
MW - 13	04/08/14	3391.89	49.16	49.87	0.71	3,342.62
MW - 13	04/17/14	3391.89	49.13	49.94	0.81	3,342.64
MW - 13	04/25/14	3391.89	49.01	49.85	0.84	3,342.75
MW - 13	05/01/14	3391.89	49.17	49.33	0.16	3,342.70
MW - 13	05/08/14	3391.89	49.11	49.25	0.14	3,342.76
MW - 13	05/14/14	3391.89	49.07	49.29	0.22	3,342.79
MW - 13	05/23/14	3391.89	49.19	49.39	0.20	3,342.67
MW - 13	05/27/14	3391.89	49.20	49.25	0.05	3,342.68
MW - 13	05/29/14	3391.89	49.23	49.33	0.10	3,342.65
MW - 13	06/11/14	3391.89	49.22	49.54	0.32	3,342.62
MW - 13	06/05/14	3391.89	49.20	49.46	0.26	3,342.65
MW - 13	06/18/14	3391.89	49.20	49.65	0.45	3,342.62
MW - 13	06/26/14	3391.89	49.22	49.82	0.60	3,342.58
MW - 13	07/01/14	3391.89	49.38	49.60	0.22	3,342.48
MW - 13	07/10/14	3391.89	49.36	49.75	0.39	3,342.47
MW - 13	07/17/14	3391.89	49.35	49.91	0.56	3,342.46
MW - 13	07/23/14	3391.89	49.50	49.75	0.25	3,342.35
MW - 13	07/31/14	3391.89	49.48	49.85	0.37	3,342.35
MW - 13	08/06/14	3391.89	49.47	49.73	0.26	3,342.38
MW - 13	08/12/14	3391.89	49.52	49.80	0.28	3,342.33
MW - 13	08/21/14	3391.89	49.50	49.94	0.44	3,342.32
MW - 13	09/04/14	3391.89	48.49	50.08	1.59	3,343.16
MW - 13	10/02/14	3391.89	49.39	49.98	0.59	3,342.41
MW - 13	10/08/14	3391.89	49.40	49.49	0.09	3,342.48
MW - 13	10/14/14	3391.89	49.42	49.48	0.06	3,342.46
MW - 13	10/17/14	3391.89	49.43	49.49	0.06	3,342.45
MW - 13	10/23/14	3391.89	49.37	49.53	0.16	3,342.50
MW - 13	10/24/14	3391.89	49.37	49.53	0.16	3,342.50
MW - 13	10/28/14	3391.89	49.36	49.44	0.08	3,342.52
MW - 13	11/07/14	3391.89	49.26	49.60	0.34	3,342.58
MW - 13	11/14/14	3391.89	49.30	49.44	0.14	3,342.57

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 13	11/15/14	3391.89	49.21	49.40	0.19	3,342.65
MW - 13	12/04/14	3391.89	49.28	49.42	0.14	3,342.59
MW - 13	12/11/14	3391.89	49.31	49.42	0.11	3,342.56
MW - 13	12/18/14	3391.89	48.99	49.86	0.87	3,342.77
MW - 13	12/23/14	3391.89	49.29	49.40	0.11	3,342.58
MW - 13	01/07/15	3391.89	49.19	49.36	0.17	3,342.67
MW - 13	01/15/15	3391.89	49.06	49.18	0.12	3,342.81
MW - 13	01/28/15	3391.89	48.93	49.03	0.10	3,342.95
MW - 13	02/04/15	3391.89	48.90	49.02	0.12	3,342.97
MW - 13	02/13/15	3391.89	48.92	48.97	0.05	3,342.96
MW - 13	02/16/15	3391.89	48.90	48.94	0.04	3,342.98
MW - 13	02/17/15	3391.89	48.93	49.02	0.09	3,342.95
MW - 13	02/24/15	3391.89	48.89	48.95	0.06	3,342.99
MW - 13	03/10/15	3391.89	48.82	48.87	0.05	3,343.06
MW - 13	03/17/15	3391.89	48.81	48.88	0.07	3,343.07
MW - 13	03/18/15	3391.89	48.76	48.83	0.07	3,343.12
MW - 13	03/25/15	3391.89	48.73	48.80	0.07	3,343.15
MW - 13	04/07/15	3391.89	48.71	48.81	0.10	3,343.17
MW - 13	04/08/15	3391.89	48.63	48.68	0.05	3,343.25
MW - 13	04/21/15	3391.89	48.68	48.76	0.08	3,343.20
MW - 13	04/28/15	3391.89	49.32	49.40	0.08	3,342.56
MW - 13	05/06/15	3391.89	48.87	48.92	0.05	3,343.01
MW - 13	05/20/15	3391.89	48.52	48.62	0.10	3,343.36
MW - 13	05/28/15	3391.89	48.47	48.54	0.07	3,343.41
MW - 13	06/02/15	3391.89	48.44	48.52	0.08	3,343.44
MW - 13	06/09/15	3391.89	48.41	48.50	0.09	3,343.47
MW - 13	06/18/15	3391.89	47.80	47.85	0.05	3,344.08
MW - 13	06/30/15	3391.89	48.60	48.66	0.06	3,343.28
MW - 13	07/06/15	3391.89	48.82	48.86	0.04	3,343.06
MW - 13	07/09/15	3391.89	48.80	48.83	0.03	3,343.09
MW - 13	07/21/15	3391.89	48.57	48.61	0.04	3,343.31
MW - 13	07/28/15	3391.89	48.50	48.55	0.05	3,343.38
MW - 13	08/06/15	3391.89	49.31	49.39	0.08	3,342.57
MW - 13	08/11/15	3391.89	48.57	48.62	0.05	3,343.31
MW - 13	08/18/15	3391.89	48.59	48.60	0.01	3,343.30
MW - 13	08/26/15	3391.89	48.73	48.76	0.03	3,343.16
MW - 13	09/11/15	3391.89	48.70	48.75	0.05	3,343.18
MW - 13	09/17/15	3391.89	48.70	48.76	0.06	3,343.18
MW - 13	09/25/15	3391.89	48.78	48.86	0.08	3,343.10
MW - 13	09/30/15	3391.89	48.78	48.88	0.10	3,343.10
MW - 13	10/06/15	3391.89	48.77	48.84	0.07	3,343.11
MW - 13	10/09/15	3391.89	48.83	48.92	0.09	3,343.05
MW - 13	10/13/15	3391.89	48.72	48.83	0.11	3,343.15

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 13	10/15/15	3391.89	48.46	48.56	0.10	3,343.42
MW - 13	10/21/15	3391.89	48.77	48.88	0.11	3,343.10
MW - 13	10/26/15	3391.89	48.75	48.86	0.11	3,343.12
MW - 13	11/09/15	3391.89	48.72	48.87	0.15	3,343.15
MW - 13	11/20/15	3391.89	48.72	48.91	0.19	3,343.14
MW - 13	11/25/15	3391.89	48.68	48.90	0.22	3,343.18
MW - 13	12/01/15	3391.89	48.68	48.90	0.22	3,343.18
MW - 13	12/09/15	3391.89	48.68	48.90	0.22	3,343.18
MW - 13	12/11/15	3391.89	48.58	48.78	0.20	3,343.28
MW - 13	12/15/15	3391.89	48.56	48.76	0.20	3,343.30
MW - 13	01/06/16	3391.89	48.40	48.61	0.21	3,343.46
MW - 13	01/11/16	3391.89	48.42	48.63	0.21	3,343.44
MW - 13	01/13/16	3391.89	48.40	48.61	0.21	3,343.46
MW - 13	01/28/16	3391.89	48.33	48.53	0.20	3,343.53
MW - 13	02/03/16	3391.89	48.32	48.55	0.23	3,343.54
MW - 13	02/10/16	3391.89	48.25	48.45	0.20	3,343.61
MW - 13	02/15/16	3391.89	48.17	48.37	0.20	3,343.69
MW - 13	02/17/16	3391.89	48.19	48.39	0.20	3,343.67
MW - 13	02/23/16	3391.89	48.19	48.39	0.20	3,343.67
MW - 13	03/08/16	3391.89	48.07	48.25	0.18	3,343.79
MW - 13	03/16/16	3391.89	48.06	48.25	0.19	3,343.80
MW - 13	03/18/16	3391.89	48.16	48.36	0.20	3,343.70
MW - 13	03/23/16	3391.89	48.05	48.24	0.19	3,343.81
MW - 13	03/29/16	3391.89	41.03	41.21	0.18	3,350.83
MW - 13	04/04/16	3391.89	48.30	48.90	0.60	3,343.50
MW - 13	04/08/16	3391.89	48.08	48.28	0.20	3,343.78
MW - 13	04/12/16	3391.89	48.10	48.41	0.31	3,343.74
MW - 13	05/03/16	3391.89	48.32	48.55	0.23	3,343.54
MW - 13	05/12/16	3391.89	48.10	48.33	0.23	3,343.76
MW - 13	05/26/16	3391.89	48.01	48.19	0.18	3,343.85
MW - 13	06/09/16	3391.89	48.07	48.29	0.22	3,343.79
MW - 13	07/01/16	3391.89	48.04	48.27	0.23	3,343.82
MW - 13	07/20/16	3391.89	48.16	48.40	0.24	3,343.69
MW - 13	07/28/16	3391.89	48.11	48.38	0.27	3,343.74
MW - 13	08/04/16	3391.89	48.20	48.43	0.23	3,343.66
MW - 13	08/10/16	3391.89	48.17	48.42	0.25	3,343.68
MW - 13	08/16/16	3391.89	48.22	48.47	0.25	3,343.63
MW - 13	08/23/16	3391.89	48.20	48.46	0.26	3,343.65
MW - 13	09/12/16	3391.89	48.23	48.47	0.24	3,343.62
MW - 13	09/23/16	3391.89	48.21	48.46	0.25	3,343.64
MW - 13	09/28/16	3391.89	48.26	48.50	0.24	3,343.59
MW - 13	10/12/16	3391.89	48.18	48.39	0.21	3,343.68
MW - 13	10/17/16	3391.89	48.13	48.30	0.17	3,343.73

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 13	11/02/16	3391.89	48.13	48.31	0.18	3,343.73
MW - 13	11/09/16	3391.89	48.15	48.32	0.17	3,343.71
MW - 13	11/29/16	3391.89	48.03	48.20	0.17	3,343.83
MW - 13	12/16/16	3391.89	47.89	48.04	0.15	3,343.98
MW - 13	12/21/16	3391.89	48.00	48.13	0.13	3,343.87
MW - 13	01/13/17	3391.89	47.87	48.04	0.17	3,343.99
MW - 13	01/20/17	3391.89	47.80	47.97	0.17	3,344.06
MW - 13	01/26/17	3391.89	47.90	48.09	0.19	3,343.96
MW - 13	02/07/17	3391.89	47.86	48.00	0.14	3,344.01
MW - 13	02/20/17	3391.89	47.81	47.95	0.14	3,344.06
MW - 13	02/27/17	3391.89	47.79	47.94	0.15	3,344.08
MW - 13	03/30/17	3391.89	47.69	47.84	0.15	3,344.18
MW - 13	04/04/17	3391.89	47.68	47.83	0.15	3,344.19
MW - 13	04/21/17	3391.89	47.66	47.81	0.15	3,344.21
MW - 13	05/18/17	3391.89	47.63	47.76	0.13	3,344.24
MW - 13	07/20/17	3391.89	47.60	47.76	0.16	3,344.27
MW - 13	08/29/17	3391.89	47.52	47.67	0.15	3,344.35
MW - 13	10/13/17	3391.89	47.45	47.59	0.14	3,344.42
MW - 13	10/20/17	3391.89	47.45	47.59	0.14	3,344.42
MW - 13	10/31/17	3391.89	47.39	47.52	0.13	3,344.48
MW - 13	11/07/17	3391.89	47.47	47.57	0.10	3,344.41
MW - 13	12/18/17	3391.89	47.37	47.42	0.05	3,344.51
MW - 13	01/05/18	3391.89	47.38	47.43	0.05	3,344.50
MW - 13	01/31/18	3391.89	47.27	47.31	0.04	3,344.61
MW - 13	02/22/18	3391.89	47.34	47.38	0.04	3,344.54
MW - 13	03/15/18	3391.89	47.29	47.35	0.06	3,344.59
MW - 13	03/23/18	3391.89	47.32	47.37	0.05	3,344.56
MW - 13	04/11/18	3391.89	47.32	47.36	0.04	3,344.56
MW - 13	04/20/18	3391.89	47.29	47.30	0.01	3,344.60
MW - 13	04/25/18	3391.89	47.32	47.34	0.02	3,344.57
MW - 13	05/02/18	3391.89	47.25	47.27	0.02	3,344.64
MW - 13	05/10/18	3391.89	47.22	47.24	0.02	3,344.67
MW - 13	05/23/18	3391.89	47.27	47.28	0.01	3,344.62
MW - 13	05/31/18	3391.89	47.28	47.30	0.02	3,344.61
MW - 13	06/15/18	3391.89	-	47.52	0.00	3,344.37
MW - 13	06/20/18	3391.89	-	47.72	0.00	3,344.17
MW - 13	06/27/18	3391.89	-	47.50	0.00	3,344.39
MW - 13	07/05/18	3391.89	-	47.49	0.00	3,344.40
MW - 13	07/09/18	3391.89	-	47.58	0.00	3,344.31
MW - 13	07/26/18	3391.89	-	47.57	0.00	3,344.32
MW - 13	07/31/18	3391.89	-	47.73	0.00	3,344.16
MW - 13	08/14/18	3391.89	-	47.48	0.00	3,344.41
MW - 13	08/29/18	3391.89	-	47.57	0.00	3,344.32

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 13	09/07/18	3391.89	-	47.56	0.00	3,344.33
MW - 13	09/28/18	3391.89	-	47.57	0.00	3,344.32
MW - 13	10/04/18	3391.89	-	47.61	0.00	3,344.28
MW - 13	10/17/18	3391.89	-	47.75	0.00	3,344.14
MW - 13	11/09/18	3391.89	-	47.72	0.00	3,344.17
MW - 13	11/15/18	3391.89	-	47.61	0.00	3,344.28
MW - 13	11/19/18	3391.89	-	47.65	0.00	3,344.24
MW - 13	11/29/18	3391.89	-	47.61	0.00	3,344.28
MW - 13	12/03/18	3391.89	-	47.69	0.00	3,344.20
MW - 13	12/13/18	3391.89	-	47.50	0.00	3,344.39
MW - 13	12/21/18	3391.89	-	47.45	0.00	3,344.44
MW - 13	12/28/18	3391.89	-	47.58	0.00	3,344.31
MW - 13	01/03/19	3391.89	-	47.71	0.00	3,344.18
MW - 13	01/07/19	3391.89	-	47.58	0.00	3,344.31
MW - 13	01/16/19	3391.89	-	47.71	0.00	3,344.18
MW - 13	01/21/19	3391.89	-	47.45	0.00	3,344.44
MW - 13	01/28/19	3391.89	-	47.67	0.00	3,344.22
MW - 13	02/08/19	3391.89	-	47.57	0.00	3,344.32
MW - 13	02/13/19	3391.89	-	47.41	0.00	3,344.48
MW - 13	02/19/19	3391.89	-	47.31	0.00	3,344.58
MW - 13	03/01/19	3391.89	-	47.55	0.00	3,344.34
MW - 13	03/05/19	3391.89	-	47.48	0.00	3,344.41
MW - 13	03/20/19	3391.89	-	47.86	0.00	3,344.03
MW - 13	03/27/19	3391.89	-	47.40	0.00	3,344.49
MW - 13	04/04/19	3391.89	-	47.56	0.00	3,344.33
MW - 13	04/09/19	3391.89	-	47.36	0.00	3,344.53
MW - 13	04/16/19	3391.89	-	47.47	0.00	3,344.42
MW - 13	04/23/19	3391.89	-	47.36	0.00	3,344.53
MW - 13	05/03/19	3391.89	-	47.26	0.00	3,344.63
MW - 13	05/10/19	3391.89	-	47.49	0.00	3,344.40
MW - 13	05/23/19	3391.89	-	47.20	0.00	3,344.69
MW - 13	06/11/19	3391.89	-	47.20	0.00	3,344.69
MW - 13	06/20/19	3391.89	-	47.25	0.00	3,344.64
MW - 13	06/25/19	3391.89	-	47.28	0.00	3,344.61
MW - 13	07/03/19	3391.89	-	47.39	0.00	3,344.50
MW - 13	07/15/19	3391.89	-	47.61	0.00	3,344.28
MW - 13	07/31/19	3391.89	-	47.60	0.00	3,344.29
MW - 13	08/07/19	3391.89	-	47.31	0.00	3,344.58
MW - 13	08/15/19	3391.89	-	47.22	0.00	3,344.67
MW - 13	08/23/19	3391.89	-	47.27	0.00	3,344.62
MW - 13	09/06/19	3391.89	-	47.25	0.00	3,344.64
MW - 13	09/10/19	3391.89	-	47.25	0.00	3,344.64
MW - 13	09/18/19	3391.89	-	47.16	0.00	3,344.73

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 13	10/18/19	3391.89	-	47.08	0.00	3,344.81
MW - 13	10/24/19	3391.89	-	47.08	0.00	3,344.81
MW - 13	11/01/19	3391.89	-	47.42	0.00	3,344.47
MW - 13	11/13/19	3391.89	-	47.05	0.00	3,344.84
MW - 13	11/25/19	3391.89	-	46.96	0.00	3,344.93
MW - 13	12/05/19	3391.89	-	47.02	0.00	3,344.87
MW - 13	12/12/19	3391.89	-	46.94	0.00	3,344.95
MW - 13	12/27/19	3391.89	-	46.91	0.00	3,344.98
MW - 13	01/06/20	3391.89	-	46.98	0.00	3,344.91
MW - 13	01/16/20	3391.89	-	46.98	0.00	3,344.91
MW - 13	01/24/20	3391.89	-	46.97	0.00	3,344.92
MW - 13	01/31/20	3391.89	-	47.05	0.00	3,344.84
MW - 13	02/06/20	3391.89	-	46.88	0.00	3,345.01
MW - 13	02/14/20	3391.89	-	46.91	0.00	3,344.98
MW - 13	02/21/20	3391.89	-	46.95	0.00	3,344.94
MW - 13	02/25/20	3391.89	-	46.94	0.00	3,344.95
MW - 13	05/28/20	3391.89	-	46.83	0.00	3,345.06
MW - 13	06/15/20	3391.89	-	46.81	0.00	3,345.08
MW - 13	07/02/20	3391.89	-	46.84	0.00	3,345.05
MW - 13	07/29/20	3391.89	-	46.98	0.00	3,344.91
MW - 13	08/20/20	3391.89	-	47.06	0.00	3,344.83
MW - 13	08/27/20	3391.89	-	47.06	0.00	3,344.83
MW - 13	09/10/20	3391.89	-	47.20	0.00	3,344.69
MW - 13	10/21/20	3391.89	-	47.12	0.00	3,344.77
MW - 13	11/02/20	3391.89	-	47.06	0.00	3,344.83
MW - 13	12/01/20	3391.89	-	46.90	0.00	3,344.99
MW - 13	12/07/20	3391.89	-	46.97	0.00	3,344.92
MW - 13	01/06/21	3391.89	-	46.88	0.00	3,345.01
MW - 13	02/04/21	3391.89	-	46.92	0.00	3,344.97
MW - 13	02/12/21	3391.89	-	46.91	0.00	3,344.98
MW - 13	03/31/21	3391.89	-	46.80	0.00	3,345.09
MW - 13	04/13/21	3391.89	-	46.71	0.00	3,345.18
MW - 13	04/26/21	3391.89	-	46.70	0.00	3,345.19
MW - 13	05/11/21	3391.89	-	46.68	0.00	3,345.21
MW - 13	06/17/21	3391.89	-	46.71	0.00	3,345.18
MW - 13	07/12/21	3391.89	-	46.83	0.00	3,345.06
MW - 13	07/28/21	3391.89	-	46.90	0.00	3,344.99
MW - 13	08/10/21	3391.89	-	46.96	0.00	3,344.93
MW - 13	08/19/21	3391.89	-	46.98	0.00	3,344.91
MW - 13	09/14/21	3391.89	-	47.07	0.00	3,344.82
MW - 13	09/24/21	3391.89	-	47.09	0.00	3,344.80
MW - 13	10/18/21	3391.89	-	47.13	0.00	3,344.76
MW - 13	10/25/21	3391.89	-	47.16	0.00	3,344.73

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TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 13	11/04/21	3391.89	-	47.19	0.00	3,344.70
MW - 13	11/30/21	3391.89	-	47.15	0.00	3,344.74
MW - 13	12/27/21	3391.89	-	47.11	0.00	3,344.78
MW - 13	01/03/22	3391.89	-	47.22	0.00	3,344.67
MW - 13	01/17/22	3391.89	-	47.16	0.00	3,344.73
MW - 13	02/11/22	3391.89	-	47.15	0.00	3,344.74
MW - 13	03/02/22	3391.89	-	47.21	0.00	3,344.68
MW - 13	03/24/22	3391.89	-	47.19	0.00	3,344.70
MW - 13	04/08/22	3391.89	-	47.39	0.00	3,344.50
MW - 13	04/22/22	3391.89	-	47.19	0.00	3,344.70
MW - 13	05/06/22	3391.89	-	47.25	0.00	3,344.64
MW - 13	05/26/22	3391.89	-	47.24	0.00	3,344.65
MW - 13	06/20/22	3391.89	47.34	47.35	0.01	3,344.55
MW - 13	07/11/22	3391.89	-	47.42	0.00	3,344.47
MW - 13	08/19/22	3391.89	-	47.68	0.00	3,344.21
MW - 13	09/12/22	3391.89	-	47.69	0.00	3,344.20
MW - 13	09/21/22	3391.89	-	47.71	0.00	3,344.18
MW - 13	10/05/22	3391.89	-	47.80	0.00	3,344.09
MW - 13	11/22/22	3391.89	-	47.75	0.00	3,344.14
MW - 13	11/29/22	3391.89	-	47.77	0.00	3,344.12
MW - 13	12/05/22	3391.89	-	47.70	0.00	3,344.19

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TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05 A
LEA COUNTY, NEW MEXICO
NMOCD Reference #AP-12

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW - 1	02/09/04	4.090	0.020	1.470	0.547	
MW - 1	05/04/04	5.470	0.058	1.540	0.353	
MW - 1	12/04/04	16.20	0.590	1.500	1.560	
MW - 1	03/07/05	16.90	<0.1	1.500	0.644	
MW - 1	06/07/05	15.60	<0.2	1.910	0.807	
MW - 1	09/07/05	9.550	<0.2	1.600	0.553	
MW - 1	12/14/05	Not Sampled				
MW - 1	01/12/06	1.000	0.242	0.774	0.534	
MW - 1	03/06/06	9.960	<0.1	2.240	1.640	
MW - 1	06/05/06	7.080	<0.2	1.660	1.220	
MW - 1	09/11/06	7.860	0.076	2.420	1.440	
MW - 1	11/21/06	6.170	<0.1	1.320	1.200	
MW - 1	02/20/07	3.000	0.125	0.993	0.493	
MW - 1	05/15/07	4.010	<0.100	1.580	0.681	
MW - 1	08/09/07	3.770	<0.100	1.280	0.471	
MW - 1	11/13/07	5.550	0.149	2.200	0.560	
MW - 1	02/14/08	3.480	0.151	1.310	0.699	
MW - 1	06/05/08	3.620	0.122	0.984	0.179	
MW - 1	08/19/08	4.290	0.199	1.250	0.391	
MW - 1	11/19/08	3.820	0.135	0.128	0.471	
MW - 1	02/18/09	2.420	<0.001	0.511	<0.1	
MW - 1	05/19/09	0.640	<0.001	1.460	2.000	
MW - 1	08/13/09	2.940	<0.100	0.888	<0.100	
MW - 1	11/11/09	2.880	<0.100	1.210	0.762	
MW - 1	02/04/10	2.300	<0.100	0.156	<0.100	
MW - 1	05/07/10	2.940	<0.100	0.657	<0.100	
MW - 1	08/06/10	2.760	<0.050	0.390	0.118	
MW - 1	11/05/10	2.250	<0.0500	0.435	<0.0500	
MW - 1	02/11/11	2.380	<0.0500	0.529	<0.0500	
MW - 1	05/09/11	2.940	<0.0500	0.669	<0.0500	
MW - 1	08/05/11	3.530	<0.0500	1.010	1.130	
MW - 1	11/17/11	2.980	<0.020	1.300	0.092	
MW - 1	02/28/12	3.200	<0.100	1.410	<0.100	
MW - 1	05/03/12	2.340	<0.02	0.996	0.303	
MW - 1	08/24/12	1.640	<0.05	0.149	<0.150	
MW - 1	11/15/12	1.58	0.0128	0.526	0.0665	
MW - 1	02/14/13	1.84	<0.0200	0.0993	0.0993	
MW - 1	05/28/13	0.86	<0.0100	0.2160	<0.01	
MW - 1	08/06/13	1.26	0.0118	0.2660	0.0686	
MW - 1	11/07/13	1.40	<0.0500	0.1900	<0.150	
MW - 1	03/05/14	1.22	<0.0500	0.0969	<0.150	
MW - 1	08/13/14	0.722	<0.0500	<0.0500	<0.0500	

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TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05 A
LEA COUNTY, NEW MEXICO
NMOCD Reference #AP-12

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW - 1	08/13/14	0.722	<0.0500	<0.0500	<0.0500	
MW - 1	11/15/14	0.500	<0.0500	0.170	0.345	
MW - 1	02/16/15	0.261	<0.0500	<0.0500	<0.0500	
MW - 1	05/28/15	0.458	<0.0500	<0.0500	<0.0500	
MW - 1	08/26/15	0.382	<0.00100	0.0216	0.0255	
MW - 1	11/20/15	0.391	0.00240	0.0283	0.0395	
MW - 1	02/17/16	0.203	<0.0500	0.177	0.343	
MW - 1	05/26/16	Not Sampled Due to PSH in Well				
MW - 1	08/04/16	Not Sampled Due to PSH in Well				
MW - 1	11/29/16	Not Sampled Due to PSH in Well				
MW - 1	02/27/17	Not Sampled Due to PSH in Well				
MW - 1	05/18/17	1.39	0.0495	1.13	1.601	
MW - 1	08/29/17	Not Sampled Due to PSH in Well				
MW - 1	11/07/17	0.394	0.00346	0.0646	0.0681	
MW - 1	02/22/18	0.470	0.0275	0.0631	0.0862	
MW - 1	05/23/18	0.259	<0.0100	0.207	0.1757	
MW - 1	08/29/18	0.322	<0.0100	0.0405	0.0298	
MW - 1	11/29/18	0.238	<0.0100	0.0154	<0.0200	
MW - 1	03/05/19	0.252	0.00504	0.0348	0.02966	
MW - 1	06/11/19	0.251	<0.00500	<0.00500	<0.0100	
MW - 1	08/15/19	0.153	<0.00100	0.00984	0.01770	
MW - 1	11/25/19	0.110	0.00150	0.0114	0.00669	
MW - 1	02/25/20	0.113	0.00206	0.00742	0.01623	
MW - 1	06/15/20	0.104	0.00280	0.0126	0.01287	
MW - 1	08/27/20	0.0912	0.00249	0.00566	0.00780	
MW - 1	12/01/20	0.120	0.0137	0.00118	<0.00200	
MW - 1	02/04/21	0.0794	0.00871	0.00187	0.00456	
MW - 1	06/17/21	0.0440	0.00185	<0.00100	<0.00200	
MW - 1	09/24/21	0.0582	<0.00100	<0.00100	<0.00200	
MW - 1	12/02/21	0.0355	<0.00100	<0.00100	<0.00200	
MW - 1	03/02/22	0.0255	0.00136	<0.00100	<0.00200	
MW - 1	05/25/22	0.0282	0.00600	0.00470	0.02280	
MW - 1	09/14/22	0.0315	0.00142	0.00130	0.00443	
MW - 1	11/30/22	0.0343	0.00649	0.00703	0.02595	
MW - 2	05/04/04	7.280	0.525	0.884	0.553	
MW - 2	03/07/05	6.020	1.510	1.170	1.270	
MW - 2	06/07/05	3.960	0.371	1.340	1.130	
MW - 2	09/07/05	4.670	0.283	1.210	1.040	
MW - 2	12/14/05	0.969	0.327	0.699	0.423	
MW - 2	03/06/06	6.280	2.260	2.120	3.060	
MW - 2	06/05/06	4.350	1.660	1.690	1.920	

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TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05 A
LEA COUNTY, NEW MEXICO
NMOCD Reference #AP-12

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW - 2	09/11/06	4.190	0.250	1.260	1.250	
MW - 2	11/21/06	6.340	<0.1	1.380	1.140	
MW - 2	02/20/07	5.740	2.100	1.640	2.060	
MW - 2	05/15/07	4.640	0.361	1.750	1.520	
MW - 2	08/09/07	4.990	0.271	1.280	0.980	
MW - 2	11/13/07	8.740	0.735	0.626	2.830	
MW - 2	02/14/08	4.090	0.575	3.900	3.640	
MW - 2	05/16/08	5.690	0.665	2.190	1.960	
MW - 2	08/19/08	3.470	0.117	1.370	0.946	
MW - 2	11/19/08	1.630	<0.100	0.788	0.504	
MW - 2	02/18/09	0.958	<0.100	0.238	0.100	
MW - 2	05/19/09	2.340	<0.100	1.080	1.500	
MW - 2	08/13/09	1.370	<0.100	0.841	1.040	
MW - 2	11/11/09	0.693	<0.100	0.303	0.174	
MW - 2	02/04/10	0.385	<0.100	0.217	<0.100	
MW - 2	05/07/10	1.210	<0.200	0.494	<0.200	
MW - 2	08/06/10	0.554	<0.050	0.447	0.281	
MW - 2	11/05/10	0.743	<0.0500	0.409	0.480	
MW - 2	02/11/11	0.577	<0.0500	<0.0500	<0.0500	
MW - 2	05/09/11	0.687	<0.0500	<0.0500	<0.0500	
MW - 2	08/05/11	0.494	<0.0500	<0.0500	<0.0500	
MW - 2	11/17/11	0.289	<0.005	0.092	0.0498	
MW - 2	02/28/12	1.230	<0.200	<0.200	<0.200	
MW - 2	05/03/12	0.447	<0.005	0.119	<0.0100	
MW - 2	08/24/12	Not Sampled Due to PSH in Well				
MW - 2	11/15/12	Not Sampled Due to PSH in Well				
MW - 2	02/14/13	Not Sampled Due to PSH in Well				
MW - 2	05/28/13	Not Sampled Due to PSH in Well				
MW - 2	08/06/13	Not Sampled Due to PSH in Well				
MW - 2	11/07/13	Not Sampled Due to PSH in Well				
MW - 2	03/05/14	Not Sampled Due to PSH in Well				
MW - 2	05/29/14	Not Sampled Due to PSH in Well				
MW - 2	08/13/14	Not Sampled Due to PSH in Well				
MW - 2	11/15/14	Not Sampled Due to PSH in Well				
MW - 2	02/16/15	Not Sampled Due to PSH in Well				
MW - 2	05/28/15	0.485	<0.0500	0.928	0.882	
MW - 2	08/26/15	0.385	<0.0500	0.617	0.486	
MW - 2	11/20/15	Not Sampled Due to PSH in Well				
MW - 2	02/17/16	0.316	<0.0500	0.448	0.314	
MW - 2	05/26/16	0.238	<0.00100	0.236	0.180	
MW - 2	08/04/16	0.483	<0.0500	0.266	0.208	
MW - 2	11/29/16	0.103	<0.00200	0.0511	0.0443	

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TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05 A
LEA COUNTY, NEW MEXICO
NMOCD Reference #AP-12

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW - 2	02/27/17	0.304	<0.100	0.263	0.231	
MW - 2	05/18/17	0.567	<0.0100	0.314	0.259	
MW - 2	08/29/17	0.438	0.0296	0.231	0.173	
MW - 2	11/07/17	0.309	0.00479	0.140	0.0965	
MW - 2	02/22/18	0.181	0.0159	0.130	0.09757	
MW - 2	05/23/18	0.204	<0.0100	0.115	0.0929	
MW - 2	08/29/18	0.303	<0.0500	0.108	<0.100	
MW - 2	11/29/18	0.0408	<0.0500	0.0544	<0.100	
MW - 2	03/05/19	0.153	0.00411	0.140	0.09842	
MW - 2	06/11/19	0.158	<0.00500	0.0522	0.0577	
MW - 2	08/15/19	0.0807	0.00169	0.0438	0.03782	
MW - 2	11/25/19	0.154	0.00282	0.0486	0.05295	
MW - 2	02/25/20	0.108	0.00615	0.0560	0.06565	
MW - 2	06/15/20	0.118	0.00611	0.0422	0.05950	
MW - 2	08/27/20	0.174	0.00732	0.0327	0.05230	
MW - 2	12/01/20	0.172	0.0112	0.0122	0.0177	
MW - 2	02/04/21	0.115	0.00898	0.0264	0.0410	
MW - 2	06/17/21	0.100	0.00376	0.0120	0.0320	
MW - 2	09/24/21	0.562	0.0426	0.0602	0.2499	
MW - 2	12/01/21	0.0614	0.00171	0.00313	0.00712	
MW - 2	03/02/22	0.173	0.00564	0.00818	0.03942	
MW - 2	05/25/22	0.130	0.00651	0.0102	0.04424	
MW - 2	09/14/22	0.124	0.00685	0.00855	0.0464	
MW - 2	11/30/22	0.136	0.0266	0.01870	0.1457	
MW - 3	03/09/00	0.0150	0.0120	0.0020	0.0020	
MW - 3	05/11/00	0.0560	0.0480	0.0060	0.0040	
MW - 3	09/12/00	0.0560	0.0480	0.0060	0.0050	
MW - 3	12/14/00	0.0130	0.0140	0.0020	0.0020	
MW - 3	03/21/01	0.0730	0.0740	0.0110	0.0090	
MW - 3	05/30/01	0.0690	<0.005	<0.005	<0.005	
MW - 3	09/25/01	0.0080	0.0070	0.0010	0.0010	
MW - 3	11/17/01	0.0020	0.0030	<0.001	0.0010	
MW - 3	02/20/02	0.0220	0.0250	0.0040	0.0030	
MW - 3	05/20/02	0.0400	0.0413	0.0078	0.0060	
MW - 3	09/24/02	0.0400	0.0300	0.0070	0.0050	
MW - 3	11/13/02	0.0450	0.0420	0.0060	0.0050	
MW - 3	02/06/03	0.0040	0.0070	0.0020	0.0010	
MW - 3	05/08/03	0.0050	0.0080	0.0020	0.0010	
MW - 3	08/19/03	0.0050	0.0040	<0.001	<0.001	
MW - 3	11/07/03	<0.001	<0.001	<0.001	<0.002	
MW - 3	02/09/04	0.0070	0.0090	0.0020	<0.002	

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TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05 A
LEA COUNTY, NEW MEXICO
NMOCD Reference #AP-12

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW - 3	05/04/04	0.0020	0.0010	<0.001	<0.002	
MW - 3	08/23/04	<0.001	0.0010	<0.001	<0.002	
MW - 3	12/04/04	<0.001	0.0010	<0.001	<0.001	
MW - 3	03/07/05	<0.001	<0.001	<0.001	<0.001	
MW - 3	06/07/05	0.0064	<0.001	<0.001	<0.001	
MW - 3	09/07/05	0.0057	<0.001	<0.001	0.0010	
MW - 3	12/14/05	<0.005	<0.005	<0.005	<0.005	
MW - 3	03/06/06	<0.001	<0.001	<0.001	<0.001	
MW - 3	06/05/06	0.0012	<0.001	<0.001	<0.001	
MW - 3	09/11/06	<0.001	<0.001	<0.001	<0.001	
MW - 3	11/21/06	<0.001	<0.001	<0.001	<0.001	
MW - 3	02/20/07	<0.001	<0.001	<0.001	<0.001	
MW - 3	05/15/07	<0.001	<0.001	<0.001	<0.001	
MW - 3	08/09/07	<0.001	<0.001	<0.001	<0.001	
MW - 3	11/13/07	<0.001	<0.001	<0.001	<0.001	
MW - 3	02/14/08	<0.001	<0.001	<0.001	<0.001	
MW - 3	05/16/08	<0.001	<0.001	<0.001	<0.001	
MW - 3	08/19/08	<0.001	<0.001	<0.001	0.0024	
MW - 3	11/19/08	<0.001	<0.001	<0.001	0.0024	
MW - 3	02/18/09	<0.001	<0.001	<0.001	<0.001	
MW - 3	05/19/09	<0.001	<0.001	<0.001	<0.001	
MW - 3	08/13/09	<0.001	<0.001	<0.001	<0.001	
MW - 3	11/11/09	<0.001	<0.001	<0.001	<0.001	
MW - 3	02/04/10	<0.001	<0.001	<0.001	<0.001	
MW - 3	05/07/10	<0.001	<0.001	<0.001	<0.001	
MW - 3	08/06/10	<0.001	<0.001	<0.001	<0.001	
MW - 3	11/05/10	<0.001	<0.001	<0.001	<0.001	
MW - 3	02/11/11	<0.001	<0.001	<0.001	<0.001	
MW - 3	05/09/11	<0.001	<0.001	<0.001	<0.001	
MW - 3	08/05/11	<0.001	<0.001	<0.001	<0.001	
MW - 3	11/17/11	<0.001	<0.001	<0.001	<0.001	
MW - 3	02/28/12	<0.001	<0.001	<0.001	<0.001	
MW - 3	05/03/12	<0.001	<0.001	<0.001	<0.001	
MW - 3	08/24/12	<0.001	<0.001	<0.001	<0.003	
MW - 3	11/15/12	<0.001	<0.001	<0.001	<0.001	
MW - 3	02/14/13	Not Sampled on Current Sample Schedule				
MW - 3	05/28/13	Not Sampled on Current Sample Schedule				
MW - 3	08/06/13	Not Sampled on Current Sample Schedule				
MW - 3	11/07/13	<0.001	<0.001	<0.001	<0.00300	
MW - 3	03/05/14	Not Sampled on Current Sample Schedule				
MW - 3	05/29/14	Not Sampled on Current Sample Schedule				
MW - 3	08/12/14	Not Sampled on Current Sample Schedule				

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TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05 A
LEA COUNTY, NEW MEXICO
NMOCD Reference #AP-12

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW - 3	11/15/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 3	02/16/15	Not Sampled on Current Sample Schedule				
MW - 3	05/28/15	Not Sampled on Current Sample Schedule				
MW - 3	08/26/15	Not Sampled on Current Sample Schedule				
MW - 3	11/20/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 3	02/17/16	Not Sampled on Current Sample Schedule				
MW - 3	05/26/16	Not Sampled on Current Sample Schedule				
MW - 3	08/04/16	Not Sampled on Current Sample Schedule				
MW - 3	11/29/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 3	02/27/17	Not Sampled on Current Sample Schedule				
MW - 3	05/18/17	Not Sampled on Current Sample Schedule				
MW - 3	08/29/17	Not Sampled on Current Sample Schedule				
MW - 3	11/07/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 3	02/22/18	Not Sampled on Current Sample Schedule				
MW - 3	05/23/18	Not Sampled on Current Sample Schedule				
MW - 3	08/29/18	Not Sampled on Current Sample Schedule				
MW - 3	11/29/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 3	03/05/19	Not Sampled on Current Sample Schedule				
MW - 3	06/11/19	Not Sampled on Current Sample Schedule				
MW - 3	08/15/19	Not Sampled on Current Sample Schedule				
MW - 3	11/25/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 3	02/25/20	Not Sampled on Current Sample Schedule				
MW - 3	06/15/20	Not Sampled on Current Sample Schedule				
MW - 3	08/27/20	Not Sampled on Current Sample Schedule				
MW - 3	12/01/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 3	02/04/21	Not Sampled on Current Sample Schedule				
MW - 3	06/17/21	Not Sampled on Current Sample Schedule				
MW - 3	09/24/21	Not Sampled on Current Sample Schedule				
MW - 3	12/01/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 3	03/02/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 3	05/26/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 3	09/13/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 3	11/29/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 4	03/09/00	0.1520	0.0660	0.0190	0.0120	
MW - 4	05/11/00	0.2850	0.1100	0.0320	0.0140	
MW - 4	09/12/00	0.2690	0.0680	0.0260	0.0060	
MW - 4	12/14/00	0.2460	0.0210	0.0090	0.0080	
MW - 4	03/21/01	0.1890	0.0860	0.0200	0.0110	
MW - 4	05/30/01	0.1070	<0.005	0.0188	<0.005	
MW - 4	09/25/01	0.4630	0.0280	0.0090	0.0100	
MW - 4	11/17/01	0.3350	0.0200	0.0070	0.0070	

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TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05 A
LEA COUNTY, NEW MEXICO
NMOCD Reference #AP-12

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW - 4	02/20/02	1.0900	0.0460	0.0110	0.0080	
MW - 4	05/20/02	0.9190	0.0414	0.0080	0.0160	
MW - 4	09/24/02	0.1170	0.0200	0.0030	0.0030	
MW - 4	11/13/02	0.0820	0.0730	0.0100	0.0110	
MW - 4	02/06/03	0.0020	0.0040	<0.001	0.0010	
MW - 4	05/08/03	0.0160	0.0020	<0.001	<0.001	
MW - 4	08/19/03	0.0310	0.0020	<0.001	<0.001	
MW - 4	11/07/03	0.0040	<0.001	<0.001	0.0030	
MW - 4	02/09/04	0.3700	0.0030	0.0050	0.0040	
MW - 4	05/04/04	0.0130	<0.001	<0.001	<0.002	
MW - 4	08/23/04	<0.001	<0.001	<0.001	<0.002	
MW - 4	12/04/04	0.0058	<0.001	<0.001	<0.001	
MW - 4	03/07/05	<0.001	<0.001	<0.001	<0.001	
MW - 4	06/07/05	0.0821	0.0023	<0.001	0.0019	
MW - 4	09/07/05	0.0704	0.0045	0.0014	0.0024	
MW - 4	12/14/05	Not Sampled - Well Damged				
MW - 4	03/06/06	Plugged and Abandoned				
MW - 5	03/09/00	0.0010	0.0010	<0.001	0.0010	
MW - 5	05/11/00	<0.001	<0.001	<0.001	<0.001	
MW - 5	09/12/00	<0.001	<0.001	<0.001	<0.001	
MW - 5	12/14/00	<0.001	<0.001	<0.001	<0.001	
MW - 5	03/21/01	<0.001	<0.001	<0.001	<0.001	
MW - 5	05/30/01	<0.005	<0.005	<0.005	<0.005	
MW - 5	09/25/01	<0.001	<0.001	<0.001	<0.001	
MW - 5	11/17/01	<0.001	<0.001	<0.001	<0.001	
MW - 5	02/20/02	<0.001	<0.001	<0.001	<0.001	
MW - 5	05/20/02	<0.001	<0.001	<0.001	<0.001	
MW - 5	09/24/02	0.0030	<0.001	<0.001	<0.001	
MW - 5	11/13/02	0.0020	0.0010	<0.001	<0.001	
MW - 5	02/06/03	<0.001	<0.001	<0.001	<0.001	
MW - 5	05/08/03	<0.001	<0.001	<0.001	<0.001	
MW - 5	08/19/03	<0.001	<0.001	<0.001	<0.001	
MW - 5	11/07/03	<0.001	<0.001	<0.001	<0.002	
MW - 5	02/09/04	<0.001	<0.001	<0.001	<0.002	
MW - 5	12/04/04	<0.001	<0.001	<0.001	<0.001	
MW - 5	03/07/05	Not Sampled on Current Sample Schedule				
MW - 5	06/07/05	Not Sampled on Current Sample Schedule				
MW - 5	09/07/05	Not Sampled on Current Sample Schedule				
MW - 5	12/14/05	<0.005	<0.005	<0.005	<0.005	
MW - 5	03/06/06	Not Sampled on Current Sample Schedule				
MW - 5	06/05/06	Not Sampled on Current Sample Schedule				

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TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05 A
LEA COUNTY, NEW MEXICO
NMOCD Reference #AP-12

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW - 5	09/11/06	Not Sampled on Current Sample Schedule				
MW - 5	11/21/06	0.0011	<0.001	0.0014	<0.001	
MW - 5	02/20/07	<0.001	<0.001	<0.001	<0.001	
MW - 5	05/15/07	Not Sampled on Current Sample Schedule				
MW - 5	08/09/07	Not Sampled on Current Sample Schedule				
MW - 5	11/13/07	<0.001	<0.001	<0.001	<0.001	
MW - 5	02/14/08	Not Sampled on Current Sample Schedule				
MW - 5	05/16/08	<0.001	<0.001	<0.001	<0.001	
MW - 5	08/19/08	Not Sampled on Current Sample Schedule				
MW - 5	11/19/08	<0.001	<0.001	<0.001	<0.001	
MW - 5	02/18/09	Not Sampled on Current Sample Schedule				
MW - 5	05/19/09	<0.001	<0.001	<0.001	<0.001	
MW - 5	08/13/09	Not Sampled on Current Sample Schedule				
MW - 5	11/11/09	<0.001	<0.001	<0.001	<0.001	
MW - 5	02/04/10	Not Sampled on Current Sample Schedule				
MW - 5	05/07/10	<0.001	<0.001	<0.001	<0.001	
MW - 5	08/06/10	Not Sampled on Current Sample Schedule				
MW - 5	11/05/10	<0.001	<0.001	<0.001	<0.001	
MW - 5	02/11/11	Not Sampled on Current Sample Schedule				
MW - 5	05/09/11	<0.001	<0.001	<0.001	<0.001	
MW - 5	08/05/11	Not Sampled on Current Sample Schedule				
MW - 5	11/17/11	<0.001	<0.001	<0.001	<0.001	
MW - 5	02/28/12	Not Sampled on Current Sample Schedule				
MW - 5	05/03/12	<0.001	<0.001	<0.001	<0.001	
MW - 5	08/24/12	Not Sampled on Current Sample Schedule				
MW - 5	11/15/12	<0.001	<0.001	<0.001	<0.001	
MW - 5	02/14/13	Not Sampled on Current Sample Schedule				
MW - 5	05/28/13	Not Sampled on Current Sample Schedule				
MW - 5	08/06/13	Not Sampled on Current Sample Schedule				
MW - 5	11/07/13	<0.001	<0.001	<0.001	<0.00300	
MW - 5	03/05/14	Not Sampled on Current Sample Schedule				
MW - 5	05/29/14	Not Sampled on Current Sample Schedule				
MW - 5	08/13/14	Not Sampled on Current Sample Schedule				
MW - 5	11/15/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 5	02/16/15	Not Sampled on Current Sample Schedule				
MW - 5	05/28/15	Not Sampled on Current Sample Schedule				
MW - 5	08/26/15	Not Sampled on Current Sample Schedule				
MW - 5	11/20/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 5	02/17/16	Not Sampled on Current Sample Schedule				
MW - 5	05/26/16	Not Sampled on Current Sample Schedule				
MW - 5	08/04/16	Not Sampled on Current Sample Schedule				
MW - 5	11/29/16	<0.00200	<0.00200	<0.00200	<0.00200	

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TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05 A
LEA COUNTY, NEW MEXICO
NMOCD Reference #AP-12

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW - 5	02/27/17	Not Sampled on Current Sample Schedule				
MW - 5	05/18/17	Not Sampled on Current Sample Schedule				
MW - 5	08/29/17	Not Sampled on Current Sample Schedule				
MW - 5	11/07/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 5	02/22/18	Not Sampled on Current Sample Schedule				
MW - 5	05/23/18	Not Sampled on Current Sample Schedule				
MW - 5	08/29/18	Not Sampled on Current Sample Schedule				
MW - 5	11/29/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 5	03/05/19	Not Sampled on Current Sample Schedule				
MW - 5	06/11/19	Not Sampled on Current Sample Schedule				
MW - 5	08/15/19	Not Sampled on Current Sample Schedule				
MW - 5	11/25/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 5	02/25/20	Not Sampled on Current Sample Schedule				
MW - 5	06/15/20	Not Sampled on Current Sample Schedule				
MW - 5	08/27/20	Not Sampled on Current Sample Schedule				
MW - 5	12/01/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 5	02/04/21	Not Sampled on Current Sample Schedule				
MW - 5	06/17/21	Not Sampled on Current Sample Schedule				
MW - 5	09/24/21	Not Sampled on Current Sample Schedule				
MW - 5	12/02/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 5	03/02/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 5	05/26/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 5	09/13/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 5	11/29/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 6	03/09/00	<0.001	<0.001	<0.001	<0.001	
MW - 6	05/11/00	<0.001	<0.001	<0.001	<0.001	
MW - 6	09/12/00	<0.001	<0.001	<0.001	<0.001	
MW - 6	12/14/00	<0.001	<0.001	<0.001	<0.001	
MW - 6	03/21/01	<0.001	<0.001	<0.001	<0.001	
MW - 6	05/30/01	<0.005	<0.005	<0.005	<0.005	
MW - 6	09/25/01	<0.001	<0.001	<0.001	<0.001	
MW - 6	11/17/01	<0.001	<0.001	<0.001	<0.001	
MW - 6	02/20/02	0.0010	<0.001	<0.001	<0.001	
MW - 6	05/20/02	<0.001	<0.001	<0.001	<0.001	
MW - 6	09/24/02	<0.001	<0.001	<0.001	<0.001	
MW - 6	11/13/02	<0.001	<0.001	<0.001	<0.001	
MW - 6	02/06/03	<0.001	<0.001	<0.001	<0.001	
MW - 6	05/08/03	<0.001	<0.001	<0.001	<0.001	
MW - 6	08/19/03	<0.001	<0.001	<0.001	<0.001	

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TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05 A
LEA COUNTY, NEW MEXICO
NMOCD Reference #AP-12

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW - 6	11/07/03	<0.001	<0.001	<0.001	<0.002	
MW - 6	02/09/04	<0.001	<0.001	<0.001	<0.002	
MW - 6	12/04/04	<0.001	<0.001	<0.001	<0.001	
MW - 6	03/07/05	Not Sampled on Current Sample Schedule				
MW - 6	06/07/05	<0.001	<0.001	<0.001	<0.001	
MW - 6	09/07/05	Not Sampled on Current Sample Schedule				
MW - 6	12/14/05	<0.005	<0.005	<0.005	<0.005	
MW - 6	03/06/06	Not Sampled on Current Sample Schedule				
MW - 6	06/05/06	<0.001	<0.001	<0.001	<0.001	
MW - 6	09/11/06	<0.001	<0.001	<0.001	<0.001	
MW - 6	11/21/06	<0.001	<0.001	<0.001	<0.001	
MW - 6	02/20/07	<0.001	<0.001	<0.001	<0.001	
MW - 6	06/21/07	<0.001	<0.001	<0.001	<0.001	
MW - 6	08/09/07	Not Sampled on Current Sample Schedule				
MW - 6	11/13/07	<0.001	<0.001	<0.001	<0.001	
MW - 6	02/14/08	Not Sampled on Current Sample Schedule				
MW - 6	05/16/08	<0.001	<0.001	<0.001	<0.001	
MW - 6	08/19/08	Not Sampled on Current Sample Schedule				
MW - 6	11/19/08	<0.001	<0.001	<0.001	<0.001	
MW - 6	02/18/09	Not Sampled on Current Sample Schedule				
MW - 6	05/19/09	<0.001	<0.001	<0.001	<0.001	
MW - 6	08/13/09	Not Sampled on Current Sample Schedule				
MW - 6	11/11/09	<0.001	<0.001	<0.001	<0.001	
MW - 6	02/04/10	Not Sampled on Current Sample Schedule				
MW - 6	05/07/10	<0.001	<0.001	<0.001	<0.001	
MW - 6	08/06/10	Not Sampled on Current Sample Schedule				
MW - 6	11/05/10	<0.001	<0.001	<0.001	<0.001	
MW - 6	02/11/11	Not Sampled on Current Sample Schedule				
MW - 6	05/09/11	<0.001	<0.001	<0.001	<0.001	
MW - 6	08/05/11	Not Sampled on Current Sample Schedule				
MW - 6	11/17/11	<0.001	<0.001	<0.001	<0.001	
MW - 6	02/28/12	Not Sampled on Current Sample Schedule				
MW - 6	05/03/12	<0.001	<0.001	<0.001	<0.001	
MW - 6	08/24/12	Not Sampled on Current Sample Schedule				
MW - 6	11/15/12	<0.001	<0.001	<0.001	<0.001	
MW - 6	02/14/13	<0.001	<0.001	<0.001	<0.001	
MW - 6	05/28/13	<0.001	<0.001	<0.001	<0.001	
MW - 6	08/06/13	<0.001	<0.001	<0.001	<0.001	
MW - 6	11/07/13	<0.001	<0.001	<0.001	<0.00300	
MW - 6	03/05/14	<0.001	<0.001	<0.001	<0.00300	
MW - 6	05/29/14	<0.001	<0.001	<0.001	<0.00300	

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TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05 A
LEA COUNTY, NEW MEXICO
NMOCD Reference #AP-12

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW - 6	08/12/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 6	11/15/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 6	02/16/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 6	05/28/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 6	08/26/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 6	11/20/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 6	02/17/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 6	05/26/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 6	08/04/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 6	11/29/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 6	02/27/17	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 6	05/18/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 6	08/29/17	<0.00200	<0.00200	<0.00200	<0.002	
MW - 6	11/07/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 6	02/22/18	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 6	05/23/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 6	08/29/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 6	11/29/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 6	03/05/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 6	06/11/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 6	08/15/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 6	11/25/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 6	02/25/20	<0.00100	<0.00100	0.00110	0.00360	
MW - 6	06/15/20	Not Sampled on Current Sample Schedule				
MW - 6	08/27/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 6	12/01/20	Not Sampled on Current Sample Schedule				
MW - 6	02/04/21	Not Sampled on Current Sample Schedule				
MW - 6	06/17/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 6	09/24/21	Not Sampled on Current Sample Schedule				
MW - 6	12/02/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 6	03/02/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 6	05/26/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 6	09/13/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 6	11/29/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 7	03/09/00	<0.001	<0.001	<0.001	<0.001	
MW - 7	05/11/00	<0.001	<0.001	<0.001	<0.001	
MW - 7	09/12/00	<0.001	<0.001	<0.001	<0.001	
MW - 7	12/14/00	<0.001	<0.001	<0.001	<0.001	
MW - 7	03/21/01	<0.001	<0.001	<0.001	<0.001	
MW - 7	05/30/01	<0.005	<0.005	<0.005	<0.005	
MW - 7	09/25/01	<0.001	<0.001	<0.001	<0.001	

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TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05 A
LEA COUNTY, NEW MEXICO
NMOCD Reference #AP-12

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW - 7	11/17/01	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/20/02	<0.001	<0.001	<0.001	<0.001	
MW - 7	05/20/02	<0.001	<0.001	<0.001	<0.001	
MW - 7	09/24/02	<0.001	<0.001	<0.001	<0.001	
MW - 7	11/13/02	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/06/03	<0.001	<0.001	<0.001	<0.001	
MW - 7	05/08/03	<0.001	<0.001	<0.001	<0.001	
MW - 7	08/19/03	<0.001	<0.001	<0.001	<0.001	
MW - 7	11/07/03	<0.001	<0.001	<0.001	<0.002	
MW - 7	02/09/04	<0.001	<0.001	<0.001	<0.002	
MW - 7	12/04/04	<0.001	<0.001	<0.001	<0.001	
MW - 7	03/07/05	Not Sampled on Current Sample Schedule				
MW - 7	06/07/05	<0.001	<0.001	<0.001	<0.001	
MW - 7	09/07/05	Not Sampled on Current Sample Schedule				
MW - 7	12/14/05	<0.005	<0.005	<0.005	<0.005	
MW - 7	03/06/06	Not Sampled on Current Sample Schedule				
MW - 7	06/05/06	<0.001	<0.001	<0.001	<0.001	
MW - 7	09/11/06	<0.001	<0.001	<0.001	<0.001	
MW - 7	11/21/06	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/20/07	<0.001	<0.001	<0.001	<0.001	
MW - 7	06/21/07	<0.001	<0.001	<0.001	<0.001	
MW - 7	08/09/07	Not Sampled on Current Sample Schedule				
MW - 7	11/13/07	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/14/08	Not Sampled on Current Sample Schedule				
MW - 7	05/16/08	<0.001	<0.001	<0.001	<0.001	
MW - 7	08/19/08	Not Sampled on Current Sample Schedule				
MW - 7	11/19/08	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/18/09	Not Sampled on Current Sample Schedule				
MW - 7	05/19/09	<0.001	<0.001	<0.001	<0.001	
MW - 7	08/13/09	Not Sampled on Current Sample Schedule				
MW - 7	11/11/09	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/04/10	Not Sampled on Current Sample Schedule				
MW - 7	05/07/10	<0.001	<0.001	<0.001	<0.001	
MW - 7	08/06/10	Not Sampled on Current Sample Schedule				
MW - 7	11/05/10	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/11/11	Not Sampled on Current Sample Schedule				
MW - 7	05/09/11	<0.001	<0.001	<0.001	<0.001	
MW - 7	08/05/11	Not Sampled on Current Sample Schedule				
MW - 7	11/17/11	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/28/12	Not Sampled on Current Sample Schedule				
MW - 7	05/03/12	<0.001	<0.001	<0.001	<0.001	
MW - 7	08/24/12	Not Sampled on Current Sample Schedule				

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TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05 A
LEA COUNTY, NEW MEXICO
NMOCD Reference #AP-12

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW - 7	11/15/12	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/14/13	Not Sampled on Current Sample Schedule				
MW - 7	05/28/13	<0.001	<0.001	<0.001	<0.001	
MW - 7	08/06/13	Not Sampled on Current Sample Schedule				
MW - 7	11/07/13	<0.001	<0.001	<0.001	<0.00300	
MW - 7	03/05/14	Not Sampled on Current Sample Schedule				
MW - 7	05/29/14	<0.001	<0.001	<0.001	<0.00100	
MW - 7	08/12/14	Not Sampled on Current Sample Schedule				
MW - 7	11/15/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 7	02/16/15	Not Sampled on Current Sample Schedule				
MW - 7	05/28/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 7	08/26/15	Not Sampled on Current Sample Schedule				
MW - 7	11/20/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 7	02/17/16	Not Sampled on Current Sample Schedule				
MW - 7	05/26/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 7	08/04/16	Not Sampled on Current Sample Schedule				
MW - 7	11/29/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 7	02/27/17	Not Sampled on Current Sample Schedule				
MW - 7	05/18/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 7	08/29/17	Not Sampled on Current Sample Schedule				
MW - 7	11/07/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 7	02/22/18	Not Sampled on Current Sample Schedule				
MW - 7	05/22/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 7	08/29/18	Not Sampled on Current Sample Schedule				
MW - 7	11/29/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 7	03/05/19	Not Sampled on Current Sample Schedule				
MW - 7	06/11/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 7	08/15/19	Not Sampled on Current Sample Schedule				
MW - 7	11/25/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 7	02/25/20	Not Sampled on Current Sample Schedule				
MW - 7	06/15/20	Not Sampled on Current Sample Schedule				
MW - 7	08/27/20	Not Sampled on Current Sample Schedule				
MW - 7	12/01/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 7	02/04/21	Not Sampled on Current Sample Schedule				
MW - 7	06/17/21	Not Sampled on Current Sample Schedule				
MW - 7	09/24/21	Not Sampled on Current Sample Schedule				
MW - 7	12/01/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 7	03/02/22	Not Sampled on Current Sample Schedule				
MW - 7	05/25/22	Not Sampled on Current Sample Schedule				
MW - 7	09/14/22	0.00210	0.00361	0.00133	0.00707	
MW - 7	11/29/22	Not Sampled on Current Sample Schedule				

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TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05 A
LEA COUNTY, NEW MEXICO
NMOCD Reference #AP-12

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW - 8	03/09/00	0.0010	<0.001	0.0010	<0.001	
MW - 8	05/11/00	<0.001	<0.001	<0.001	<0.001	
MW - 8	09/12/00	<0.001	<0.001	<0.001	<0.001	
MW - 8	12/14/00	<0.001	<0.001	<0.001	<0.001	
MW - 8	03/21/01	<0.001	<0.001	<0.001	<0.001	
MW - 8	05/30/01	<0.005	<0.005	<0.005	<0.005	
MW - 8	09/25/01	0.0010	<0.001	<0.001	<0.001	
MW - 8	11/17/01	<0.001	<0.001	<0.001	<0.001	
MW - 8	02/20/02	0.0050	<0.001	0.0020	<0.001	
MW - 8	05/20/02	<0.001	<0.001	<0.001	<0.001	
MW - 8	09/24/02	<0.001	<0.001	<0.001	<0.001	
MW - 8	11/13/02	0.0020	<0.001	<0.001	<0.001	
MW - 8	02/06/03	<0.001	<0.001	<0.001	<0.001	
MW - 8	05/08/03	<0.001	<0.001	<0.001	<0.001	
MW - 8	08/19/03	<0.001	<0.001	<0.001	<0.001	
MW - 8	11/07/03	<0.001	<0.001	<0.001	<0.002	
MW - 8	02/09/04	<0.001	<0.001	<0.001	<0.002	
MW - 8	12/04/04	<0.001	<0.001	<0.001	<0.001	
MW - 8	03/07/05	Not Sampled on Current Sample Schedule				
MW - 8	06/07/05	Not Sampled on Current Sample Schedule				
MW - 8	09/07/05	Not Sampled on Current Sample Schedule				
MW - 8	12/14/05	<0.005	<0.005	<0.005	<0.005	
MW - 8	03/06/06	Not Sampled on Current Sample Schedule				
MW - 8	06/05/06	Not Sampled on Current Sample Schedule				
MW - 8	09/11/06	Not Sampled on Current Sample Schedule				
MW - 8	11/21/06	<0.001	<0.001	<0.001	<0.001	
MW - 8	02/20/07	<0.001	<0.001	<0.001	<0.001	
MW - 8	06/21/07	Not Sampled on Current Sample Schedule				
MW - 8	08/09/07	Not Sampled on Current Sample Schedule				
MW - 8	11/13/07	<0.001	<0.001	<0.001	<0.001	
MW - 8	02/14/08	Not Sampled on Current Sample Schedule				
MW - 8	05/16/08	Not Sampled on Current Sample Schedule				
MW - 8	08/19/08	Not Sampled on Current Sample Schedule				
MW - 8	11/19/08	<0.001	<0.001	<0.001	<0.001	
MW - 8	02/18/09	Not Sampled on Current Sample Schedule				
MW - 8	05/19/09	Not Sampled on Current Sample Schedule				
MW - 8	08/13/09	Not Sampled on Current Sample Schedule				
MW - 8	11/11/09	<0.001	<0.001	<0.001	<0.001	
MW - 8	02/04/10	Not Sampled on Current Sample Schedule				
MW - 8	05/07/10	Not Sampled on Current Sample Schedule				
MW - 8	08/06/10	Not Sampled on Current Sample Schedule				
MW - 8	11/05/10	<0.001	<0.001	<0.001	<0.001	

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TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05 A
LEA COUNTY, NEW MEXICO
NMOCD Reference #AP-12

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW - 8	02/11/11	Not Sampled on Current Sample Schedule				
MW - 8	05/09/11	Not Sampled on Current Sample Schedule				
MW - 8	08/05/11	Not Sampled on Current Sample Schedule				
MW - 8	11/17/11	<0.001	<0.001	<0.001	<0.001	
MW - 8	02/28/12	Not Sampled on Current Sample Schedule				
MW - 8	05/03/12	Not Sampled on Current Sample Schedule				
MW - 8	11/15/12	Not Sampled on Current Sample Schedule				
MW - 8	11/15/12	<0.001	<0.001	<0.001	<0.001	
MW - 8	02/14/13	<0.001	<0.001	<0.001	<0.001	
MW - 8	05/28/13	<0.001	<0.001	<0.001	<0.001	
MW - 8	08/06/13	<0.001	<0.001	<0.001	<0.001	
MW - 8	11/07/13	<0.001	<0.001	<0.001	<0.00300	
MW - 8	03/05/14	<0.001	<0.001	<0.001	<0.00300	
MW - 8	05/29/14	<0.001	<0.001	<0.001	<0.00300	
MW - 8	08/12/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 8	11/15/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 8	02/16/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 8	05/28/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 8	08/26/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 8	11/20/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 8	02/17/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 8	05/26/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 8	08/04/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 8	11/29/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 8	02/27/17	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 8	05/18/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 8	08/29/17	<0.00200	<0.00200	<0.00200	<0.002	
MW - 8	11/07/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 8	02/22/18	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 8	05/23/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 8	08/29/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 8	11/29/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 8	03/05/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 8	06/11/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 8	08/15/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 8	11/25/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 8	02/25/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 8	06/15/20	Not Sampled on Current Sample Schedule				
MW - 8	08/27/20	Not Sampled on Current Sample Schedule				
MW - 8	12/01/20	Not Sampled on Current Sample Schedule				
MW - 8	02/04/21	Not Sampled on Current Sample Schedule				
MW - 8	06/17/21	<0.00100	<0.00100	<0.00100	<0.00200	

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TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05 A
LEA COUNTY, NEW MEXICO
NMOCD Reference #AP-12

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW - 8	09/24/21	Not Sampled on Current Sample Schedule				
MW - 8	12/01/21	Not Sampled on Current Sample Schedule				
MW - 8	03/02/22	Not Sampled on Current Sample Schedule				
MW - 8	05/25/22	Not Sampled on Current Sample Schedule				
MW - 8	09/14/22	0.00564	0.0162	0.00702	0.02884	
MW - 8	11/29/22	Not Sampled on Current Sample Schedule				
MW - 9	03/09/00	0.0290	0.0090	0.0280	0.0210	
MW - 9	05/11/00	0.0560	0.0340	0.0080	0.0090	
MW - 9	09/12/00	0.2320	0.0310	0.0060	0.0040	
MW - 9	12/14/00	0.0300	0.0150	0.0030	0.0020	
MW - 9	03/21/01	0.1580	0.0810	0.0160	0.0120	
MW - 9	05/30/01	0.5320	<0.005	<0.005	<0.005	
MW - 9	09/25/01	0.4900	0.2120	0.1610	0.0290	
MW - 9	11/17/01	0.0140	0.0470	0.0250	0.0080	
MW - 9	02/20/02	0.1580	0.0420	0.0460	0.0110	
MW - 9	05/08/03	0.4460	0.1880	0.3690	0.3920	
MW - 9	08/19/03	0.0600	0.0050	0.0430	0.0690	
MW - 9	11/07/03	0.0760	0.0010	0.0030	0.0080	
MW - 9	02/09/04	0.0150	0.0130	0.0090	0.0200	
MW - 9	05/04/04	0.3030	0.0110	0.0570	0.0390	
MW - 9	08/23/04	0.0486	<0.001	0.0056	<0.002	
MW - 9	12/04/04	0.0048	<0.001	0.0022	0.0031	
MW - 9	03/07/05	0.0163	<0.005	0.0243	0.0545	
MW - 9	06/07/05	0.0499	0.0183	0.0856	0.1500	
MW - 9	09/07/05	0.0123	0.0073	0.0454	0.0625	
MW - 9	12/14/05	<0.005	<0.005	0.0186	0.0149	
MW - 9	03/06/06	0.0173	0.0390	0.1940	0.2470	
MW - 9	06/05/06	0.0330	<0.005	0.2450	0.3690	
MW - 9	09/11/06	0.0073	<0.001	0.0981	0.1340	
MW - 9	11/21/06	0.0128	<0.001	0.0539	0.0192	
MW - 9	02/20/07	0.0056	<0.001	0.0333	0.0356	
MW - 9	05/15/07	<0.001	<0.001	0.0194	0.0164	
MW - 9	08/09/07	0.0047	<0.001	0.0215	0.0206	
MW - 9	11/13/07	0.0250	0.0092	0.0845	0.1020	
MW - 9	02/14/08	0.0030	<0.001	0.0152	0.0167	
MW - 9	05/16/08	0.0093	<0.001	0.0285	0.0271	
MW - 9	08/19/08	0.0020	<0.001	0.0064	0.0069	
MW - 9	11/19/08	0.0058	<0.001	0.0367	0.0300	
MW - 9	02/18/09	<0.001	<0.001	<0.001	0.0040	
MW - 9	05/19/09	0.0078	<0.001	0.0201	0.0306	
MW - 9	08/13/09	<0.001	<0.001	0.0201	0.0230	

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TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05 A
LEA COUNTY, NEW MEXICO
NMOCD Reference #AP-12

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW - 9	11/11/09	<0.001	<0.001	0.0193	0.0166	
MW - 9	02/04/10	<0.001	<0.001	0.0100	0.0067	
MW - 9	05/07/10	<0.001	<0.001	0.0095	0.0098	
MW - 9	08/06/10	<0.001	<0.001	0.0076	0.0107	
MW - 9	11/05/10	<0.001	<0.001	<0.001	<0.001	
MW - 9	02/11/11	<0.001	<0.001	<0.001	<0.001	
MW - 9	05/09/11	<0.001	<0.001	<0.001	<0.001	
MW - 9	08/05/11	<0.001	<0.001	<0.001	<0.001	
MW - 9	11/17/11	<0.001	<0.001	<0.001	<0.001	
MW - 9	02/28/12	<0.001	<0.001	<0.001	<0.001	
MW - 9	05/03/12	<0.001	<0.001	<0.001	<0.001	
MW - 9	08/24/12	0.1030	0.0961	0.0914	0.2710	
MW - 9	11/15/12	<0.001	<0.001	<0.001	<0.001	
MW - 9	02/14/13	Not Sampled on Current Sample Schedule				
MW - 9	05/28/13	<0.001	<0.001	<0.001	<0.001	
MW - 9	08/06/13	Not Sampled on Current Sample Schedule				
MW - 9	11/07/13	<0.001	<0.001	<0.001	<0.00300	
MW - 9	03/05/14	Not Sampled on Current Sample Schedule				
MW - 9	05/29/14	<0.001	<0.001	<0.001	<0.00300	
MW - 9	08/12/14	Not Sampled on Current Sample Schedule				
MW - 9	11/12/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 9	02/16/15	Not Sampled on Current Sample Schedule				
MW - 9	05/28/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 9	08/26/15	Not Sampled on Current Sample Schedule				
MW - 9	11/20/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 9	02/17/16	Not Sampled on Current Sample Schedule				
MW - 9	05/26/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 9	08/04/16	Not Sampled on Current Sample Schedule				
MW - 9	11/29/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 9	02/27/17	Not Sampled on Current Sample Schedule				
MW - 9	05/18/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 9	08/29/17	Not Sampled on Current Sample Schedule				
MW - 9	11/07/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 9	02/22/18	Not Sampled on Current Sample Schedule				
MW - 9	05/22/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 9	08/29/18	Not Sampled on Current Sample Schedule				
MW - 9	11/29/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 9	03/05/19	Not Sampled on Current Sample Schedule				
MW - 9	06/11/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 9	08/15/19	Not Sampled on Current Sample Schedule				
MW - 9	11/25/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 9	02/25/20	Not Sampled on Current Sample Schedule				

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TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05 A
LEA COUNTY, NEW MEXICO
NMOCD Reference #AP-12

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW - 9	06/15/20	Not Sampled on Current Sample Schedule				
MW - 9	08/27/20	Not Sampled on Current Sample Schedule				
MW - 9	12/01/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 9	02/04/21	Not Sampled on Current Sample Schedule				
MW - 9	06/17/21	Not Sampled on Current Sample Schedule				
MW - 9	09/24/21	Not Sampled on Current Sample Schedule				
MW - 9	12/01/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 9	03/02/22	Not Sampled on Current Sample Schedule				
MW - 9	05/25/22	Not Sampled on Current Sample Schedule				
MW - 9	09/14/22	0.00129	0.00204	<0.00100	0.00221	
MW - 9	11/29/22	Not Sampled on Current Sample Schedule				
MW - 10	05/04/04	4.230	0.1990	0.888	0.779	
MW - 10	03/07/05	5.690	0.4910	0.984	0.908	
MW - 10	06/07/05	4.350	0.0618	0.510	0.264	
MW - 10	09/07/05	5.630	<0.2	1.790	1.180	
MW - 10	12/14/05	2.320	<0.05	<0.05	0.168	
MW - 10	03/06/06	4.930	0.3510	1.390	1.400	
MW - 10	06/05/06	2.050	0.0457	0.792	0.460	
MW - 10	09/11/06	5.450	0.1050	1.420	1.070	
MW - 10	11/21/06	6.560	<0.1	1.420	1.190	
MW - 10	02/20/07	5.400	<0.1	1.290	1.130	
MW - 10	05/15/07	6.810	<0.100	3.230	2.180	
MW - 10	08/09/07	7.190	<0.100	1.470	0.894	
MW - 10	11/13/07	13.500	<0.100	2.890	1.500	
MW - 10	02/14/08	6.990	<0.100	1.760	0.995	
MW - 10	05/16/08	4.720	<0.0500	0.896	0.327	
MW - 10	08/19/08	7.890	<0.100	1.940	1.020	
MW - 10	11/19/08	6.220	<0.100	1.420	1.000	
MW - 10	02/18/09	6.320	<0.001	1.070	0.271	
MW - 10	05/19/09	6.000	<0.100	1.700	1.740	
MW - 10	08/13/09	6.820	<0.100	1.690	1.400	
MW - 10	11/11/09	6.560	<0.100	1.750	0.748	
MW - 10	02/04/10	5.490	<0.100	1.070	0.218	
MW - 10	05/07/10	6.080	<0.100	1.130	0.700	
MW - 10	08/06/10	8.450	<0.050	1.180	0.397	
MW - 10	11/05/10	5.400	<0.0500	1.140	0.641	
MW - 10	02/11/11	7.760	<0.0500	1.500	1.250	
MW - 10	05/09/11	9.730	<0.0500	1.590	0.984	
MW - 10	08/05/11	9.420	<0.0500	1.470	0.973	
MW - 10	11/17/11	5.680	<0.0500	0.630	<0.050	
MW - 10	02/28/12	Not Sampled due to PSH in Well				

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TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05 A
LEA COUNTY, NEW MEXICO
NMOCD Reference #AP-12

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW - 10	05/03/12	Not Sampled due to PSH in Well				
MW - 10	08/24/12	Not Sampled due to PSH in Well				
MW - 10	11/15/12	Not Sampled due to PSH in Well				
MW - 10	02/14/13	Not Sampled due to PSH in Well				
MW - 10	05/28/13	Not Sampled due to PSH in Well				
MW - 10	08/06/13	Not Sampled due to PSH in Well				
MW - 10	11/07/13	Not Sampled due to PSH in Well				
MW - 10	03/05/14	Not Sampled due to PSH in Well				
MW - 10	05/29/14	Not Sampled due to PSH in Well				
MW - 10	08/12/14	Not Sampled due to PSH in Well				
MW - 10	11/15/14	Not Sampled due to PSH in Well				
MW - 10	02/16/15	Not Sampled due to PSH in Well				
MW - 10	05/28/15	Not Sampled due to PSH in Well				
MW - 10	08/26/15	Not Sampled due to PSH in Well				
MW - 10	11/20/15	Not Sampled due to PSH in Well				
MW - 10	02/17/16	Not Sampled due to PSH in Well				
MW - 10	05/26/16	Not Sampled due to PSH in Well				
MW - 10	08/04/16	0.440	<0.0500	0.155	0.206	
MW - 10	11/29/16	Not Sampled due to PSH in Well				
MW - 10	02/27/17	Not Sampled due to PSH in Well				
MW - 10	05/18/17	Not Sampled due to PSH in Well				
MW - 10	08/29/17	Not Sampled due to PSH in Well				
MW - 10	11/07/17	Not Sampled due to PSH in Well				
MW - 10	02/22/18	Not Sampled due to PSH in Well				
MW - 10	05/23/18	0.312	<0.0100	0.167	0.2113	
MW - 10	08/29/18	Not Sampled due to PSH in Well				
MW - 10	11/29/18	0.497	<0.0500	0.124	0.120	
MW - 10	03/05/19	0.175	0.00379	0.0976	0.1184	
MW - 10	06/11/19	0.0775	0.00715	0.0268	0.0254	
MW - 10	08/15/19	0.363	0.00515	0.0826	0.08345	
MW - 10	11/25/19	0.0952	0.00147	0.0368	0.04469	
MW - 10	02/25/20	0.268	0.0280	0.142	0.2791	
MW - 10	06/15/20	0.447	0.0634	0.153	0.3602	
MW - 10	08/27/20	0.422	0.0374	0.101	0.2226	
MW - 10	12/01/20	0.455	0.0546	0.0345	0.10255	
MW - 10	02/04/21	0.329	0.0347	0.0922	0.1911	
MW - 10	06/17/21	0.524	0.0360	0.0850	0.3500	
MW - 10	09/24/21	0.181	0.0158	0.0213	0.09605	
MW - 10	12/02/21	0.0732	0.00269	0.00252	0.00745	
MW - 10	03/02/22	0.0480	0.00200	0.00146	0.00712	
MW - 10	05/26/22	0.0302	<0.00100	<0.00100	0.00409	
MW - 10	09/13/22	0.0414	<0.00100	0.00122	0.00540	

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TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05 A
LEA COUNTY, NEW MEXICO
NMOCD Reference #AP-12

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030					
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE	
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62		
MW - 10	11/29/22	0.0314	0.00174	0.00273	0.00569		
MW - 11	12/10/04	<0.001	<0.001	<0.001	<0.001		
MW - 11	03/07/05	<0.001	<0.001	<0.001	<0.001		
MW - 11	06/07/05	<0.001	<0.001	<0.001	<0.001		
MW - 11	09/07/05	Not Sampled					
MW - 11	12/14/05	<0.005	<0.005	<0.005	<0.005		
MW - 11	03/06/06	<0.001	<0.001	<0.001	<0.001		
MW - 11	06/05/06	<0.001	<0.001	<0.001	<0.001		
MW - 11	09/11/06	<0.001	<0.001	<0.001	<0.001		
MW - 11	11/21/06	<0.001	<0.001	<0.001	<0.001		
MW - 11	02/20/07	<0.001	<0.001	<0.001	<0.001		
MW - 11	05/15/07	<0.001	<0.001	<0.001	<0.001		
MW - 11	08/09/07	<0.001	<0.001	<0.001	<0.001		
MW - 11	11/13/07	<0.001	<0.001	<0.001	<0.001		
MW - 11	02/14/08	<0.001	<0.001	<0.001	<0.001		
MW - 11	05/16/08	<0.001	<0.001	<0.001	<0.001		
MW - 11	08/19/08	<0.001	<0.001	<0.001	<0.001		
MW - 11	11/19/08	<0.001	<0.001	<0.001	<0.001		
MW - 11	02/18/09	<0.001	<0.001	<0.001	<0.001		
MW - 11	05/19/09	<0.001	0.0096	0.0108	0.0338		
MW - 11	08/13/09	<0.001	<0.001	<0.001	<0.001		
MW - 11	11/11/09	<0.001	<0.001	<0.001	<0.001		
MW - 11	02/04/10	<0.001	<0.001	<0.001	<0.001		
MW - 11	05/07/10	<0.001	<0.001	<0.001	<0.001		
MW - 11	08/06/10	<0.001	<0.001	<0.001	<0.001		
MW - 11	11/05/10	<0.001	<0.001	<0.001	<0.001		
MW - 11	02/11/11	<0.001	<0.001	<0.001	0.0215		
MW - 11	05/09/11	<0.001	<0.001	<0.001	<0.001		
MW - 11	08/05/11	<0.001	<0.001	<0.001	<0.001		
MW - 11	11/17/11	<0.001	<0.001	<0.001	<0.001		
MW - 11	02/28/12	<0.001	<0.001	<0.001	<0.001		
MW - 11	05/03/12	<0.001	<0.001	<0.001	<0.001		
MW - 11	08/24/12	<0.001	<0.001	<0.001	<0.003		
MW - 11	11/15/12	<0.001	<0.001	<0.001	<0.001		
MW - 11	02/14/13	Not Sampled on Current Sample Schedule					
MW - 11	05/28/13	<0.001	<0.001	<0.001	<0.001		
MW - 11	08/06/13	Not Sampled on Current Sample Schedule					
MW - 11	11/07/13	<0.001	<0.001	<0.001	<0.00300		
MW - 11	02/10/14	Not Sampled on Current Sample Schedule					
MW - 11	05/29/14	<0.001	<0.001	<0.001	<0.00300		
MW - 11	08/12/14	Not Sampled on Current Sample Schedule					

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TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05 A
LEA COUNTY, NEW MEXICO
NMOCD Reference #AP-12

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW - 11	11/15/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 11	02/16/15	Not Sampled on Current Sample Schedule				
MW - 11	05/28/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 11	08/26/15	Not Sampled on Current Sample Schedule				
MW - 11	11/20/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 11	02/17/16	Not Sampled on Current Sample Schedule				
MW - 11	05/26/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 11	08/04/16	Not Sampled on Current Sample Schedule				
MW - 11	11/29/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 11	02/27/17	Not Sampled on Current Sample Schedule				
MW - 11	05/18/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 11	08/29/17	Not Sampled on Current Sample Schedule				
MW - 11	11/07/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 11	02/22/18	Not Sampled on Current Sample Schedule				
MW - 11	05/23/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 11	08/29/18	Not Sampled on Current Sample Schedule				
MW - 11	11/29/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 11	03/05/19	Not Sampled on Current Sample Schedule				
MW - 11	06/11/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 11	08/15/19	Not Sampled on Current Sample Schedule				
MW - 11	11/25/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 11	02/25/20	Not Sampled on Current Sample Schedule				
MW - 11	06/15/20	Not Sampled on Current Sample Schedule				
MW - 11	08/27/20	Not Sampled on Current Sample Schedule				
MW - 11	12/01/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 11	02/04/21	Not Sampled on Current Sample Schedule				
MW - 11	06/17/21	Not Sampled on Current Sample Schedule				
MW - 11	09/24/21	Not Sampled on Current Sample Schedule				
MW - 11	12/01/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 11	03/02/22	Not Sampled on Current Sample Schedule				
MW - 11	05/25/22	Not Sampled on Current Sample Schedule				
MW - 11	09/14/22	<0.00100	0.00150	<0.00100	<0.00200	
MW - 11	11/29/22	Not Sampled on Current Sample Schedule				
MW-12	03/06/14	0.0219	<0.00100	0.0259	0.0458	
MW-12	05/29/14	0.0166	<0.00100	0.00960	<0.00300	
MW-12	08/12/14	0.0513	<0.00100	<0.00100	<0.00100	
MW-12	11/15/14	0.214	<0.0500	<0.0500	<0.0500	
MW-12	02/16/15	0.0160	<0.00100	<0.00100	<0.00100	
MW-12	05/28/15	0.00900	<0.00100	0.00140	0.0018	
MW-12	08/26/15	0.0103	<0.00100	0.00310	0.00280	
MW-12	11/20/15	0.00670	<0.00100	<0.00100	0.00200	

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TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05 A
LEA COUNTY, NEW MEXICO
NMOCD Reference #AP-12

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW-12	02/17/16	0.00630	<0.00100	<0.00100	<0.00100	
MW-12	05/26/16	0.0144	<0.00100	0.00210	0.00670	
MW-12	08/04/16	0.0152	<0.00100	0.00450	0.00560	
MW-12	11/29/16	0.0124	<0.00200	<0.00200	<0.00200	
MW-12	02/27/17	0.0195	<0.00200	0.00395	0.00243	
MW-12	05/18/17	0.0223	<0.00200	<0.00200	<0.00400	
MW-12	08/29/17	0.0176	<0.00200	<0.00200	<0.002	
MW-12	11/07/17	0.0133	<0.00200	<0.00200	<0.00400	
MW-12	02/22/18	0.00427	<0.00200	<0.00200	<0.00400	
MW-12	05/23/18	0.0129	<0.0100	<0.00500	<0.0200	
MW-12	08/29/18	0.00286	<0.0100	<0.00500	<0.0200	
MW-12	11/29/18	0.00675	<0.0100	<0.00500	<0.0200	
MW-12	03/05/19	0.00500	<0.00100	<0.00100	<0.00200	
MW-12	06/11/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW-12	08/15/19	0.00278	<0.00100	<0.00100	<0.00200	
MW-12	11/25/19	0.00364	<0.00100	<0.00100	<0.00200	
MW-12	02/25/20	0.00286	<0.00100	<0.00100	<0.00200	
MW-12	06/15/20	0.00108	<0.00200	<0.00200	<0.00300	
MW-12	08/27/20	0.00340	<0.00100	<0.00100	<0.00200	
MW-12	12/01/20	0.00168	<0.00100	<0.00100	<0.00200	
MW-12	02/04/21	0.00279	<0.00200	<0.00100	<0.00200	
MW-12	06/17/21	0.00111	<0.00100	<0.00100	<0.00200	
MW-12	09/24/21	0.00214	<0.00100	<0.00100	<0.00200	
MW-12	12/02/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW-12	03/02/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW-12	05/26/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW-12	09/13/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW-12	11/29/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW-13	02/07/14	Installed				
MW-13	03/06/14	Not Sampled due to PSH in Well				
MW-13	05/29/14	Not Sampled due to PSH in Well				
MW-13	08/12/14	Not Sampled due to PSH in Well				
MW-13	11/15/14	Not Sampled due to PSH in Well				
MW-13	02/16/15	Not Sampled due to PSH in Well				
MW-13	05/28/15	Not Sampled due to PSH in Well				
MW-13	08/26/15	Not Sampled due to PSH in Well				
MW-13	11/20/15	Not Sampled due to PSH in Well				
MW-13	02/17/16	Not Sampled due to PSH in Well				
MW-13	05/26/16	Not Sampled due to PSH in Well				
MW-13	08/04/16	Not Sampled due to PSH in Well				
MW-13	11/29/16	Not Sampled due to PSH in Well				

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TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05 A
LEA COUNTY, NEW MEXICO
NMOCD Reference #AP-12

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW-13	02/27/17	Not Sampled due to PSH in Well				
MW-13	05/18/17	Not Sampled due to PSH in Well				
MW-13	08/29/17	Not Sampled due to PSH in Well				
MW-13	11/07/17	Not Sampled due to PSH in Well				
MW-13	02/22/18	Not Sampled due to PSH in Well				
MW-13	05/23/18	Not Sampled due to PSH in Well				
MW-13	08/29/18	2.92	<0.100	0.516	0.558	
MW-13	11/29/18	1.03	<0.0500	0.0960	0.115	
MW-13	03/05/19	0.351	0.00821	0.0814	0.09602	
MW-13	06/11/19	0.120	<0.0200	0.0906	0.1256	
MW-13	08/15/19	1.84	0.0102	0.380	0.5005	
MW-13	11/25/19	1.62	0.00208	0.0735	0.1001	
MW-13	02/25/20	2.12	0.0207	0.549	0.6338	
MW-13	06/15/20	2.23	0.0417	0.579	0.6741	
MW-13	08/27/20	2.23	0.0173	0.155	0.1826	
MW-13	12/01/20	2.54	0.0856	0.1150	0.1353	
MW-13	02/04/21	1.05	0.0604	0.307	0.3890	
MW-13	06/17/21	5.13	0.0127	0.359	0.3883	
MW-13	09/24/21	5.99	0.0198	0.724	0.7357	
MW-13	12/02/21	3.86	0.00159	0.0477	0.02151	
MW-13	03/02/22	7.04	0.0154	0.101	0.0548	
MW-13	05/26/22	1.95	0.00132	0.0166	0.01269	
MW-13	09/13/22	3.23	0.00160	0.0220	0.01211	
MW-13	11/29/22	1.75	0.00396	0.0117	0.01456	

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-12

All water concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		--	--	0.001 mg/L	0.0001 mg/L	0.0007 mg/L	0.001 mg/L	--	0.001 mg/L	0.0002 mg/L	0.0003 mg/L	0.001 mg/L	0.001 mg/L	0.0004 mg/L	0.001 mg/L	0.001 mg/L	0.03 mg/L			--
MW-1	11/19/08	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	0.00193	<0.000917	<0.000917	0.0104	<0.000917	0.014	<0.000917	0.047	0.0806	0.0587	0.0152	
MW-1	11/11/09	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	0.0110	<0.000917	0.0257	0.0706	0.0474	0.0103	
MW-1	11/05/10	<0.00188	<0.00188	<0.00188	<0.00188	<0.00188	<0.00188	<0.00188	<0.00188	<0.00188	<0.00188	0.0114	<0.00188	0.0250	<0.00188	0.0407	0.138	0.0768	0.0219	
MW-1	12/16/11	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	0.0132	<0.000185	0.0116	0.0343	0.0171	0.0144	
MW-1	11/15/12	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	0.0236	<0.000189	0.0354	0.101	0.0632	0.0286	
MW-1	11/07/13	<0.000200	0.213	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	0.494	0.112	0.388	<0.000200	0.610	1.21	0.0632	21.4	
MW-1	11/15/14	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	
MW-1	11/20/15	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	
MW-1	11/29/16	Not Sampled Due to the Presence of PSH.																		
MW-1	11/07/17	0.00243	0.00172	0.000872	0.00106	<0.000167	<0.000167	<0.000167	<0.000167	0.000216	<0.000167	0.000321	0.00945	<0.000167	0.00938	0.000846	0.0138		0.0179	
MW-1	11/29/18	0.00014	0.00016	0.00036	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	0.00051	<0.00011	0.00040	<0.00011	0.00307		0.00075	
MW-1	11/25/19	0.00062	0.00074	0.0013	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.0024	<0.00010	0.00040	0.0036	<0.00010	0.0060	0.00069	0.017		0.0062	
MW-1	12/01/20	0.00019	0.00027	0.00012	0.00017	0.00020	0.00019	0.00019	0.00017	0.00052	0.00020	0.00026	0.00092	0.00023	0.0011	0.00020	0.00463		0.0026	
MW-1	12/01/21	Not Sampled																		
MW-1	12/05/22	<0.010	0.011	0.014	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.071	<0.010	0.11	<0.010	0.504		-	
MW-2	11/19/08	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	0.00525	<0.000922	0.00739	<0.000922	0.0163	0.0252	0.0335	0.00806
MW-2	11/11/09	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	0.0114	<0.000922	0.0488	0.0930	0.0735	0.0116
MW-2	11/05/10	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	0.00106	<0.000186	0.00238	<0.000186	0.00139	0.00528	0.000936	0.00168
MW-2	12/16/11	<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	0.00346	<0.000185	0.00324	0.00714	0.00306	0.00263
MW-2	11/15/12	Not Sampled Due to the Presence of PSH.																		
MW-2	11/07/13	Not Sampled Due to the Presence of PSH.																		
MW-2	11/15/14	Not Sampled Due to the Presence of PSH.																		
MW-2	11/20/15	Not Sampled Due to the Presence of PSH.																		
MW-2	11/29/16	0.00136	0.000935	0.00586	<0.000481	<0.000481	<0.000481	<0.000481	<0.000481	0.000918	<0.000481	<0.000481	0.000714	<0.000481	0.00554	<0.000481	0.0112		0.00483	
MW-2	11/07/17	Not Sampled																		
MW-2	11/29/18	0.00020	0.00024	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	0.00097	<0.00011	0.00079	<0.00011	0.0076		0.0015	
MW-2	11/25/19	0.00048	0.00057	0.00043	0.00024	<0.000098	<0.000098	<0.000098	<0.000098	0.00094	<0.000098	0.00026	0.0037	<0.000098	0.0053	0.00035	0.0325		0.0069	
MW-2	12/01/20	0.00013	<0.00010	0.00010	0.00010	0.00019	0.00015	0.00020	0.00016	0.00021	0.00019	0.00012	0.00068	0.00027	0.00070	<0.00010	0.00772		0.0019	
MW-2	12/01/21	0.00093	<0.00010	0.00015	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.00022	<0.00010	0.00017	0.00084	<0.00010	0.00060	0.00018	0.00321		0.0020	

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER AP-12

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	12/05/22	<0.00010	0.00093	0.0014	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.0012	<0.00010	0.0038	<0.00010	0.00284		-	
MW-3	11/19/08	<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	0.00022	<0.000184	<0.000184	<0.000184
MW-3	11/11/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	
MW-3	11/05/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-3	12/16/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-3	11/15/12	Not Sampled as part of Quarterly Monitoring Event.																		
MW-3	11/07/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-3	11/15/14	Not Sampled as part of Quarterly Monitoring Event.																		
MW-3	11/20/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-3	11/29/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-3	11/07/17	Not Sampled as part of Quarterly Monitoring Event.																		
MW-3	11/29/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-3	11/25/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-3	12/01/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-3	12/01/21	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	
MW-3	11/29/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	11/19/08	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	
MW-5	11/11/09	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	
MW-5	11/05/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	12/16/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	11/15/12	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	11/07/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	11/15/14	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	11/20/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	11/29/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	11/07/17	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	11/29/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	11/25/19	Not Sampled as part of Quarterly Monitoring Event.																		

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.

TNM 98-05A

LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER AP-12

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-5	12/01/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	12/02/21	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	11/29/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-6	11/19/08	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	
MW-6	11/11/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	
MW-6	11/05/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-6	12/16/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-6	11/07/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-6	11/15/14	Not Sampled as part of Quarterly Monitoring Event.																		
MW-6	11/20/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-6	11/29/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-6	11/07/17	Not Sampled as part of Quarterly Monitoring Event.																		
MW-6	11/29/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-6	11/25/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-6	12/01/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-6	12/02/21	Not Sampled as part of Quarterly Monitoring Event.																		
MW-6	11/29/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-7	11/19/08	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	
MW-7	11/11/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	
MW-7	11/05/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-7	12/16/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-7	11/07/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-7	11/15/14	Not Sampled as part of Quarterly Monitoring Event.																		
MW-7	11/20/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-7	11/29/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-7	11/07/17	Not Sampled as part of Quarterly Monitoring Event.																		
MW-7	11/29/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-7	11/25/19	Not Sampled as part of Quarterly Monitoring Event.																		

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.

TNM 98-05A

LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER AP-12

All water concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene		1-Methylnaphthalene	2-Methylnaphthalene
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		--	--	0.001 mg/L	0.0001 mg/L	0.0007 mg/L	0.001 mg/L	--	0.001 mg/L	0.0002 mg/L	0.0003 mg/L	0.001 mg/L	0.001 mg/L	0.0004 mg/L	0.001 mg/L	0.001 mg/L	0.03 mg/L			--
MW-7	12/01/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-7	12/01/21	Not Sampled as part of Quarterly Monitoring Event.																		
MW-7	11/28/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-8	11/19/08	<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	11/11/09	<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-8	11/05/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-8	12/16/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-8	11/15/12	Not Sampled as part of Quarterly Monitoring Event.																		
MW-8	11/07/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-8	11/15/14	Not Sampled as part of Quarterly Monitoring Event.																		
MW-8	11/20/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-8	11/29/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-8	11/07/17	Not Sampled as part of Quarterly Monitoring Event.																		
MW-8	11/29/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-8	11/25/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-8	12/01/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-8	12/01/21	Not Sampled as part of Quarterly Monitoring Event.																		
MW-8	11/28/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-9	11/19/08	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	0.00427	<0.000935	0.00553	<0.000935	0.00202	0.00876	0.00297	0.00586
MW-9	11/11/09	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	0.00358	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922
MW-9	11/05/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-9	12/16/11	<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	11/15/12	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189
MW-9	11/07/13	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189
MW-9	11/15/14	Not Sampled as part of Quarterly Monitoring Event.																		
MW-9	11/20/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-9	11/29/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-9	11/07/17	Not Sampled as part of Quarterly Monitoring Event.																		

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCDF REFERENCE NUMBER AP-12

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	11/29/18	Not Sampled as part of Quarterly Monitoring Event.																				
MW-9	11/25/19	Not Sampled as part of Quarterly Monitoring Event.																				
MW-9	12/01/20	Not Sampled as part of Quarterly Monitoring Event.																				
MW-9	12/01/21	Not Sampled as part of Quarterly Monitoring Event.																				
MW-9	11/29/22	Not Sampled as part of Quarterly Monitoring Event.																				
MW-10	11/19/08	<0.00367	<0.00367	<0.00367	<0.00367	<0.00367	<0.00367	<0.00367	<0.00367	<0.00367	<0.00367	<0.00367	0.050	<0.00367	0.0652	<0.00367	0.175	0.412	0.380	0.0765		
MW-10	11/11/09	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	0.0101	<0.000922	0.0474	0.0934	0.0713	0.0125		
MW-10	11/05/10	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	0.00495	<0.000188	0.00732	<0.000188	0.0358	0.0569	0.041	0.00602		
MW-10	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	0.0151	<0.000184	0.0652	0.0901	0.0815	0.0200		
MW-10	11/15/12	Not Sampled due to the presence of PSH																				
MW-10	11/07/13	Not Sampled due to the presence of PSH																				
MW-10	11/15/14	Not Sampled due to the presence of PSH																				
MW-10	11/20/15	Not Sampled due to the presence of PSH																				
MW-10	11/29/16	Not Sampled due to the presence of PSH																				
MW-10	11/07/17	Not Sampled due to the presence of PSH																				
MW-10	11/29/18	0.00037	0.00027	0.00013	<0.00012	<0.00012	<0.00012	<0.00012	<0.00012	<0.00012	<0.00012	<0.00012	0.0021	<0.00012	0.0017	<0.00012	0.389			0.0040		
MW-10	11/25/19	0.00059	0.0012	0.0011	0.00013	<0.000098	<0.000098	<0.000098	<0.000098	0.0013	<0.000098	0.00027	0.0082	<0.000098	0.012	0.00044	0.184			0.016		
MW-10	12/01/20	0.00023	0.00036	0.00023	<0.000099	0.00013	0.00016	0.00017	0.00015	0.00045	0.00019	0.00037	0.0021	0.00018	0.0038	0.00019	0.094			0.0048		
MW-10	12/02/21	0.0011	0.00035	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.0011	<0.00010	0.0013	<0.00010	0.0183			0.0026		
MW-10	11/28/22	0.00045	0.00054	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.0030	<0.00010	0.0059	<0.00010	0.0248			-		
MW-11	11/19/08	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185		
MW-11	11/11/09	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185		
MW-11	11/05/10	Not Sampled as part of Quarterly Monitoring Event.																				
MW-11	12/16/11	Not Sampled as part of Quarterly Monitoring Event.																				
MW-11	11/15/12	Not Sampled as part of Quarterly Monitoring Event.																				
MW-11	11/07/13	Not Sampled as part of Quarterly Monitoring Event.																				
MW-11	11/15/14	Not Sampled as part of Quarterly Monitoring Event.																				
MW-11	11/20/15	Not Sampled as part of Quarterly Monitoring Event.																				
MW-11	11/29/16	Not Sampled as part of Quarterly Monitoring Event.																				

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.

TNM 98-05A

LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER AP-12

All water concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		--	--	0.001 mg/L	0.0001 mg/L	0.0007 mg/L	0.001 mg/L	--	0.001 mg/L	0.0002 mg/L	0.0003 mg/L	0.001 mg/L	0.001 mg/L	0.0004 mg/L	0.001 mg/L	0.001 mg/L	0.03 mg/L			--
MW-11	11/07/17	Not Sampled as part of Quarterly Monitoring Event.																		
MW-11	11/29/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-11	11/25/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-11	12/01/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-11	12/01/21	Not Sampled as part of Quarterly Monitoring Event.																		
MW-11	11/28/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	03/05/14	<0.00465	<0.00465	<0.00465	<0.00465	<0.00465	<0.00465	<0.00465	<0.00465	<0.00465	<0.00465	<0.00465	<0.00465	<0.00465	<0.00465	<0.00465	0.00956	0.0153	0.0105	<0.00465
MW-12	11/15/14	<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-12	11/20/15	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
MW-12	11/20/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	11/29/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	11/07/17	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	11/29/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	11/25/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	12/01/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	12/02/21	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	11/29/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	03/05/14	Not Sampled Due to the Presence of PSH.																		
MW-13	11/15/14	Not Sampled Due to the Presence of PSH.																		
MW-13	11/20/15	Not Sampled Due to the Presence of PSH.																		
MW-13	11/29/16	Not Sampled Due to the Presence of PSH.																		
MW-13	11/07/17	Not Sampled Due to the Presence of PSH.																		
MW-13	11/29/18	0.00018	<0.00011	0.00061	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	0.00096	<0.00011	0.00069	<0.00011	0.0098			0.0015
MW-13	11/25/19	0.00018	0.00026	0.00021	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	0.00022	<0.000098	<0.000098	0.0017	<0.000098	0.0021	0.00010	0.0291			0.0027
MW-13	12/01/20	0.00013	0.00022	0.00022	0.00014	0.00019	0.00015	0.00021	0.00013	0.00029	0.00020	0.00028	0.0012	0.00030	0.0033	0.00023	0.064			0.0026
MW-13	12/02/21	Not Sampled																		
MW-13	11/29/22	0.00080	0.0010	0.0012	0.0011	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.0048	<0.00010	0.0081	<0.00010	0.026			-

TABLE 7

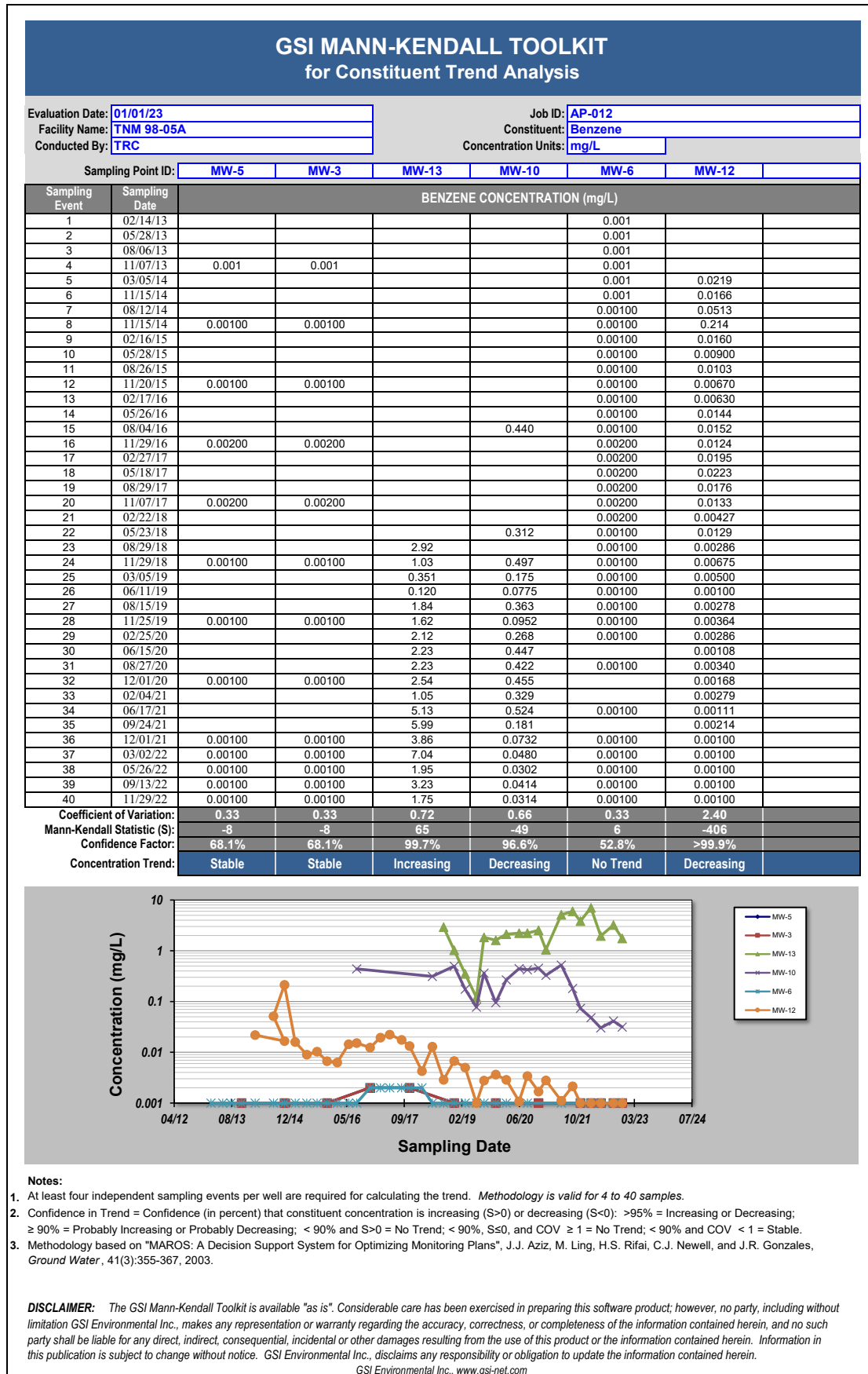


TABLE 8

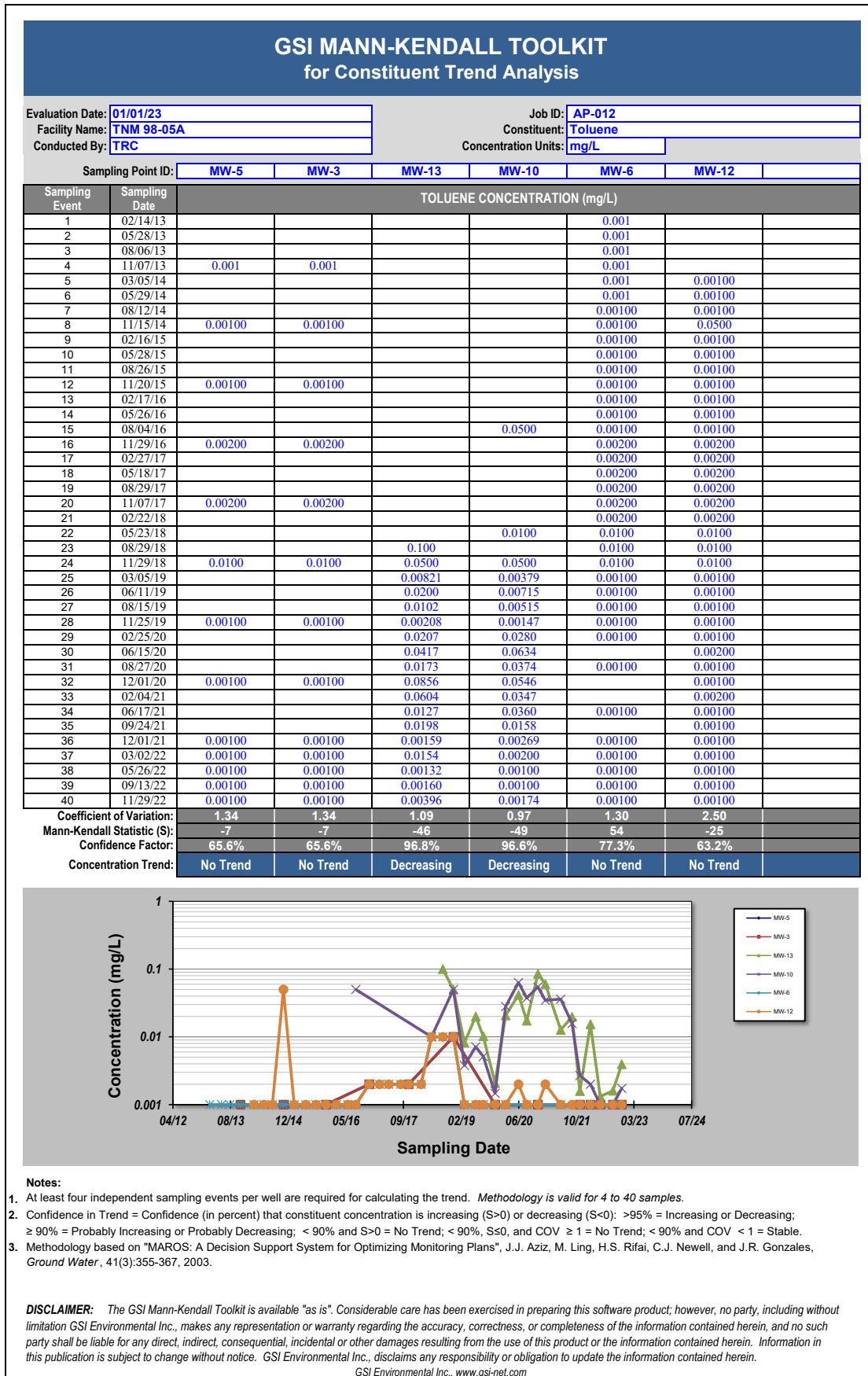


TABLE 9

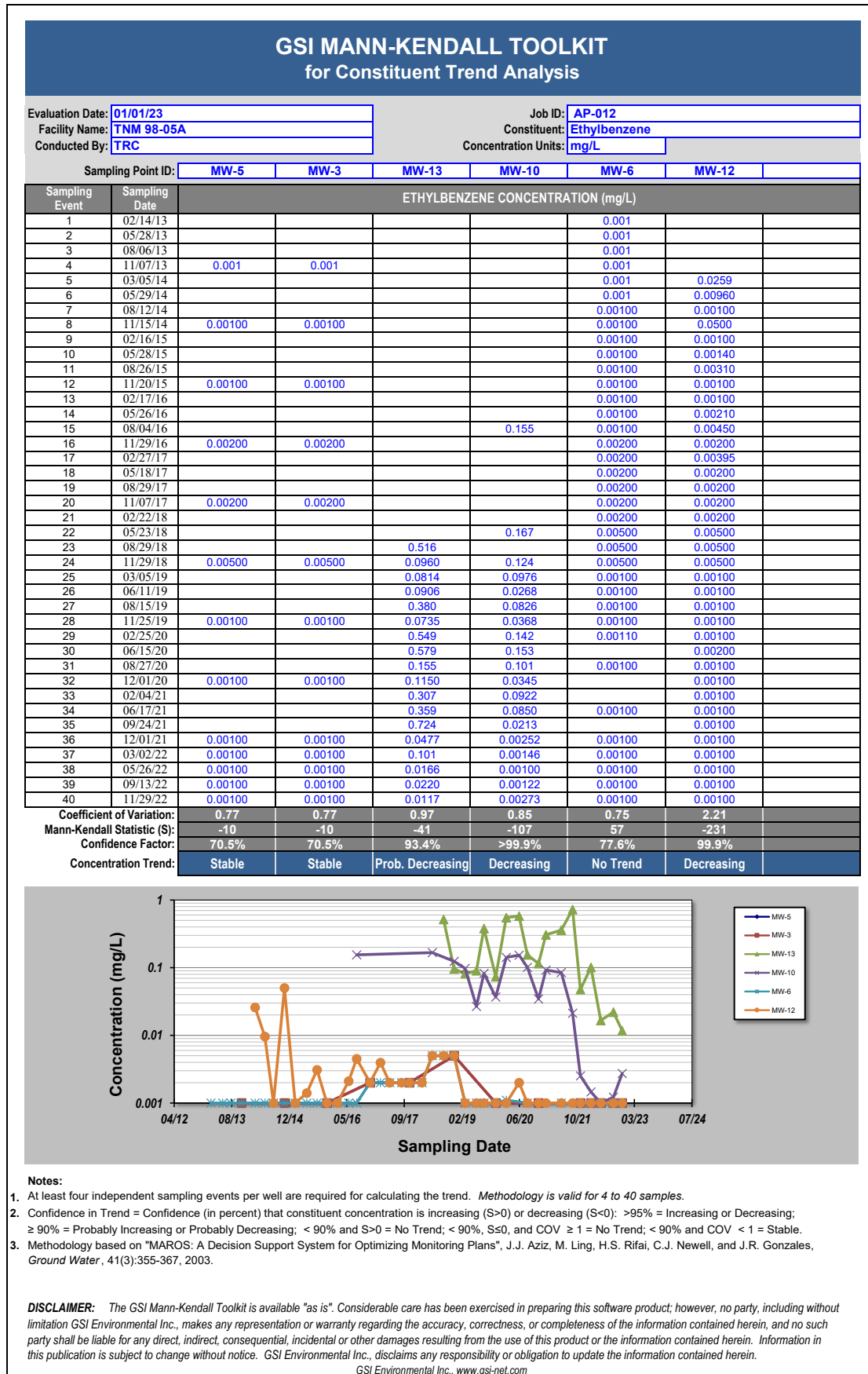


TABLE 10

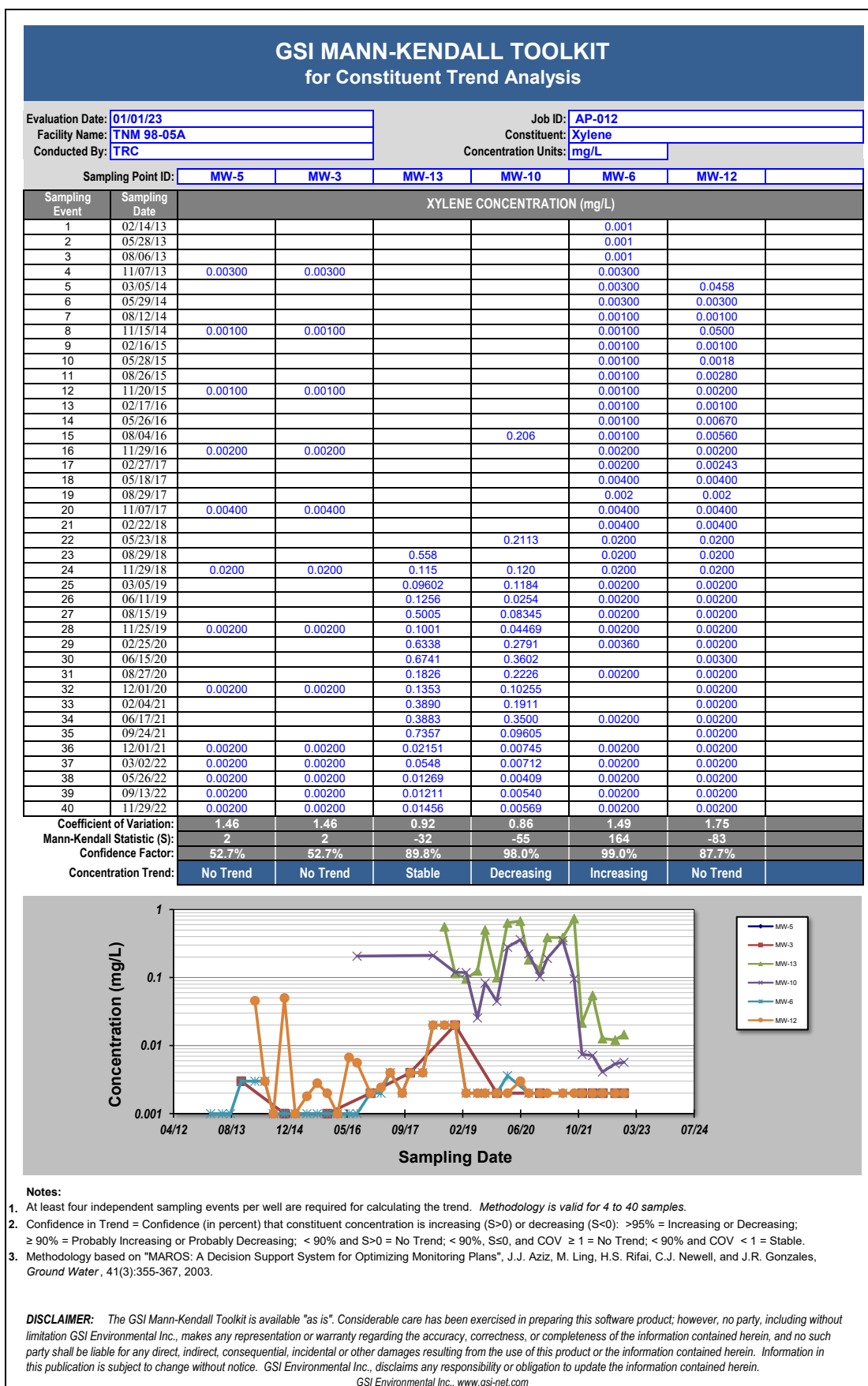
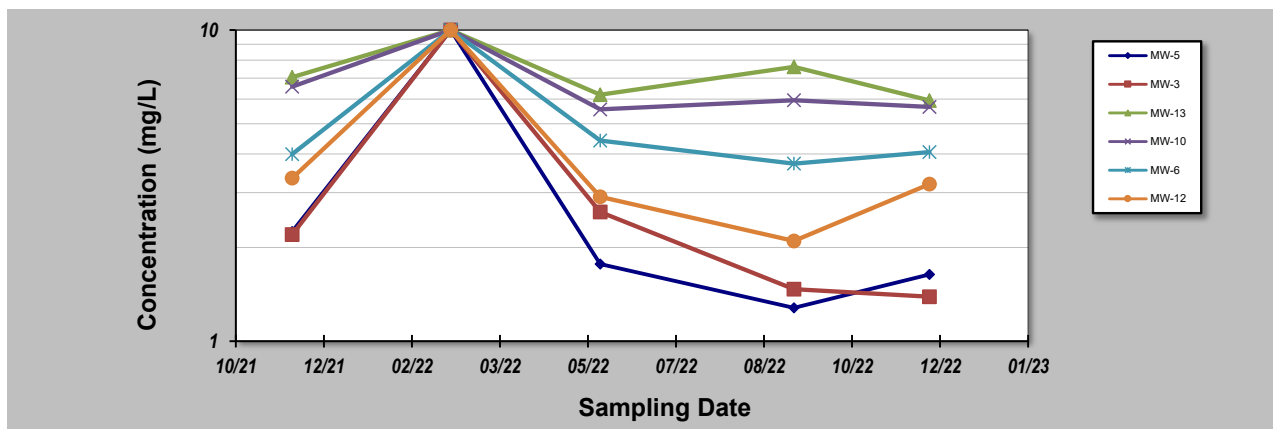


TABLE 11

GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date:	01/01/22			Job ID:	AP-012			
Facility Name:	TNM 98-05A			Constituent:	Total Organic Carbon (TOC)			
Conducted By:	TRC			Concentration Units:	mg/L			
Sampling Point ID:		MW-5	MW-3	MW-13	MW-10	MW-6	MW-12	
Sampling Event	Sampling Date	TOTAL ORGANIC CARBON (TOC) CONCENTRATION (mg/L)						
1	12/02/21	2.25	2.20	7.05	6.58	3.99	3.34	
2	03/02/22	10.0	10.0	10.0	10.0	10.0	10.0	
3	05/26/22	1.77	2.60	6.20	5.56	4.41	2.91	
4	09/13/22	1.28	1.47	7.62	5.95	3.72	2.10	
5	11/29/22	1.64	1.39	5.94	5.66	4.05	3.20	
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		1.10	1.03	0.22	0.28	0.51	0.75	
Mann-Kendall Statistic (S):		-6	-6	-4	-4	-2	-4	
Confidence Factor:		88.3%	88.3%	75.8%	75.8%	59.2%	75.8%	
Concentration Trend:		No Trend	No Trend	Stable	Stable	Stable	Stable	

**Notes:**

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

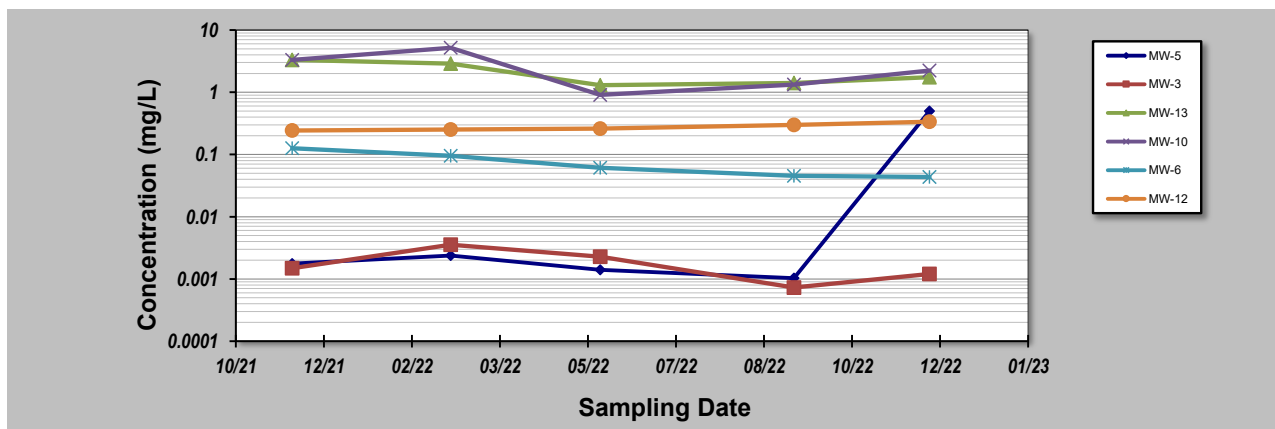
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TABLE 12

GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date:	01/01/23			Job ID:	AP-012			
Facility Name:	TNM 98-05A			Constituent:	Dissolved Methane (RSK-175)			
Conducted By:	TRC			Concentration Units:	mg/L			
Sampling Point ID:	MW-5	MW-3	MW-13	MW-10	MW-6	MW-12		
Sampling Event	Sampling Date	DISSOLVED METHANE (RSK-175) CONCENTRATION (mg/L)						
1	12/02/21	0.00177	0.00149	3.32	3.31	0.126	0.243	
2	03/02/22	0.00238	0.00355	2.89	5.18	0.0955	0.251	
3	05/26/22	0.00140	0.00228	1.30	0.909	0.0613	0.260	
4	09/13/22	0.00103	0.000729	1.41	1.33	0.0455	0.299	
5	11/29/22	0.500	0.00120	1.75	2.24	0.0435	0.336	
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		2.20	0.60	0.43	0.66	0.48	0.14	
Mann-Kendall Statistic (S):		0	-4	-4	-2	-10	10	
Confidence Factor:		40.8%	75.8%	75.8%	59.2%	99.2%	99.2%	
Concentration Trend:		No Trend	Stable	Stable	Stable	Decreasing	Increasing	

**Notes:**

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

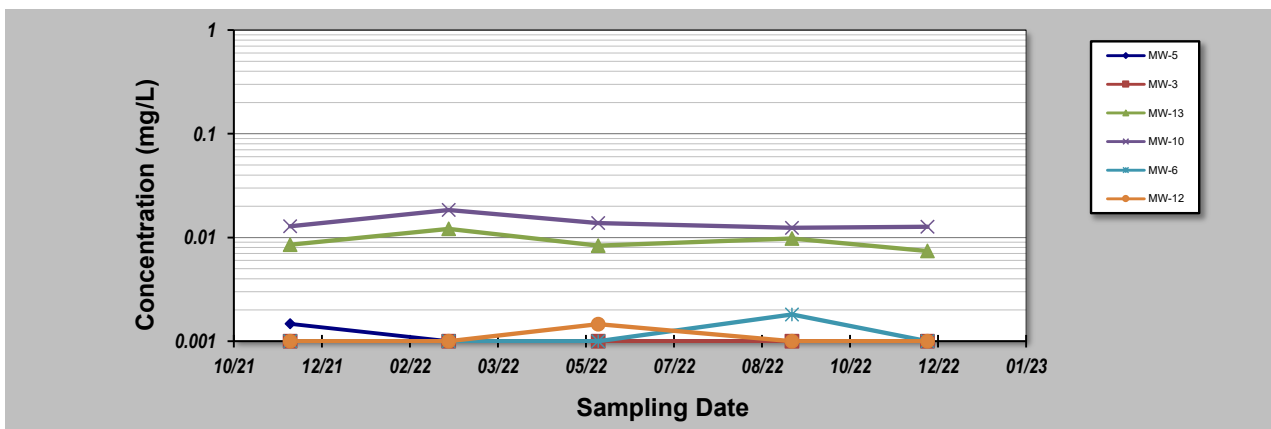
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TABLE 13

GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date:	01/01/23			Job ID:	AP-012			
Facility Name:	TNM 98-05A			Constituent:	Dissolved Ethane (RSK-175)			
Conducted By:	TRC			Concentration Units:	mg/L			
Sampling Point ID:		MW-5	MW-3	MW-13	MW-10	MW-6	MW-12	
Sampling Event	Sampling Date	DISSOLVED ETHANE (RSK-175) CONCENTRATION (mg/L)						
1	12/02/21	0.00147	0.00100	0.00851	0.0128	0.00100	0.00100	
2	03/02/22	0.00100	0.00100	0.0121	0.0184	0.00100	0.00100	
3	05/26/22	0.00100	0.00100	0.00835	0.0138	0.00100	0.00146	
4	09/13/22	0.00100	0.00100	0.00978	0.0124	0.00181	0.00100	
5	11/29/22	0.00100	0.00100	0.00740	0.0127	0.00100	0.00100	
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.19	0.00	0.20	0.18	0.31	0.19	
Mann-Kendall Statistic (S):		-4	0	-4	-4	2	0	
Confidence Factor:		75.8%	40.8%	75.8%	75.8%	59.2%	40.8%	
Concentration Trend:		Stable	Stable	Stable	Stable	No Trend	Stable	

**Notes:**

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

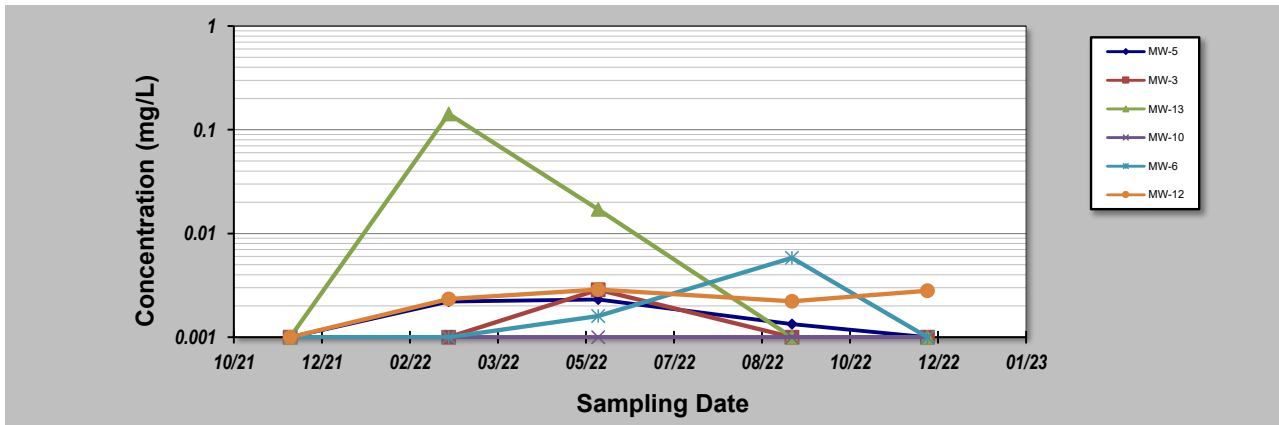
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TABLE 14

GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date:	01/01/23	Job ID:	AP-012					
Facility Name:	TNM 98-05A	Constituent:	Dissolved Ethene (RSK-175)					
Conducted By:	TRC	Concentration Units:	mg/L					
Sampling Point ID:	MW-5	MW-3	MW-13	MW-10	MW-6	MW-12		
Sampling Event	Sampling Date	DISSOLVED ETHENE (RSK-175) CONCENTRATION (mg/L)						
1	12/02/21	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100	
2	03/02/22	0.00221	0.00100	0.142	0.00100	0.00100	0.00234	
3	05/26/22	0.00231	0.00287	0.0171	0.00100	0.00160	0.00288	
4	09/13/22	0.00134	0.00100	0.00100	0.00100	0.00582	0.00222	
5	11/29/22	0.00100	0.00100	0.00100	0.00100	0.00100	0.00281	
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.41	0.61	1.90	0.00	1.01	0.34	
Mann-Kendall Statistic (S):		-1	0	-3	0	3	4	
Confidence Factor:		50.0%	40.8%	67.5%	40.8%	67.5%	75.8%	
Concentration Trend:		Stable	Stable	No Trend	Stable	No Trend	No Trend	

**Notes:**

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

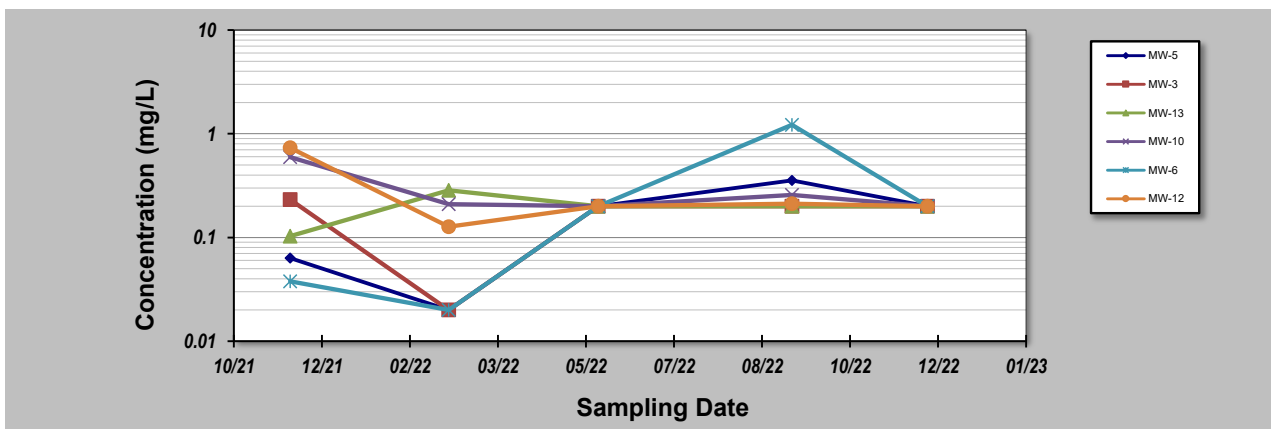
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TABLE 15

GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date:	01/01/23			Job ID:	AP-012			
Facility Name:	TNM 98-05A			Constituent:	Dissolved Iron (filtered)			
Conducted By:	TRC			Concentration Units:	mg/L			
Sampling Point ID:		MW-5	MW-3	MW-13	MW-10	MW-6	MW-12	
Sampling Event	Sampling Date	DISSOLVED IRON (FILTERED) CONCENTRATION (mg/L)						
1	12/02/21	0.0632	0.232	0.103	0.595	0.0377	0.732	
2	03/02/22	0.0200	0.0200	0.285	0.209	0.0200	0.127	
3	05/26/22	0.200	0.200	0.200	0.200	0.200	0.200	
4	09/13/22	0.355	0.200	0.200	0.257	1.22	0.212	
5	11/29/22	0.200	0.200	0.200	0.200	0.200	0.200	
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.79	0.50	0.33	0.58	1.50	0.84	
Mann-Kendall Statistic (S):		5	-1	1	-5	5	-1	
Confidence Factor:		82.1%	50.0%	50.0%	82.1%	82.1%	50.0%	
Concentration Trend:		No Trend	Stable	No Trend	Stable	No Trend	Stable	



Notes:

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

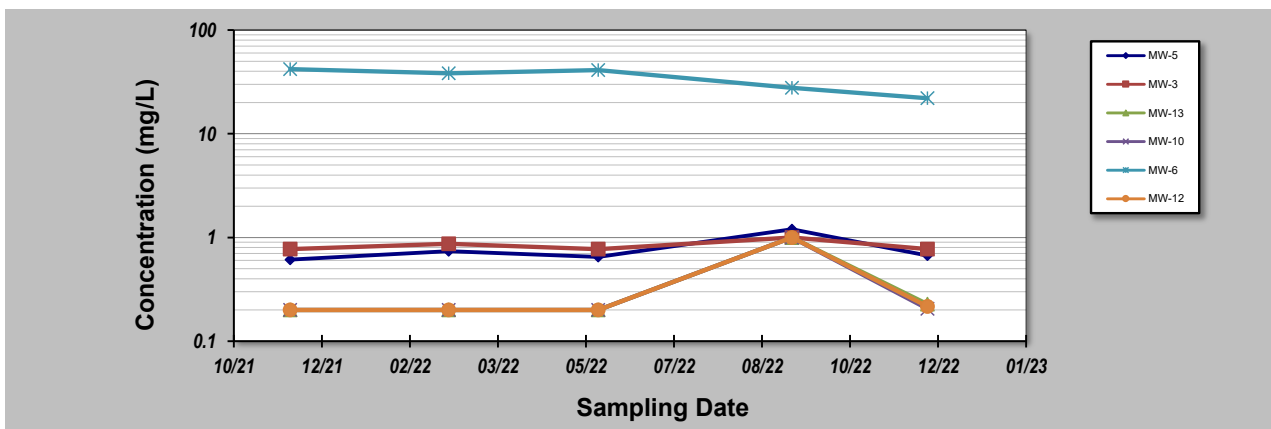
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TABLE 17

GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date:	01/01/23			Job ID:	AP-012			
Facility Name:	TNM 98-05A			Constituent:	Nitrate			
Conducted By:	TRC			Concentration Units:	mg/L			
Sampling Point ID:		MW-5	MW-3	MW-13	MW-10	MW-6	MW-12	
Sampling Event	Sampling Date	NITRATE CONCENTRATION (mg/L)						
1	12/02/21	0.612	0.773	0.200	0.200	42.0	0.200	
2	03/02/22	0.737	0.867	0.200	0.200	38.3	0.200	
3	05/26/22	0.649	0.771	0.200	0.200	41.2	0.200	
4	09/13/22	1.20	1.00	1.00	1.00	27.7	1.00	
5	11/29/22	0.668	0.772	0.227	0.205	22.0	0.216	
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.31	0.12	0.97	0.99	0.26	0.98	
Mann-Kendall Statistic (S):		4	0	5	5	-8	5	
Confidence Factor:		75.8%	40.8%	82.1%	82.1%	95.8%	82.1%	
Concentration Trend:		No Trend	Stable	No Trend	No Trend	Decreasing	No Trend	

**Notes:**

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

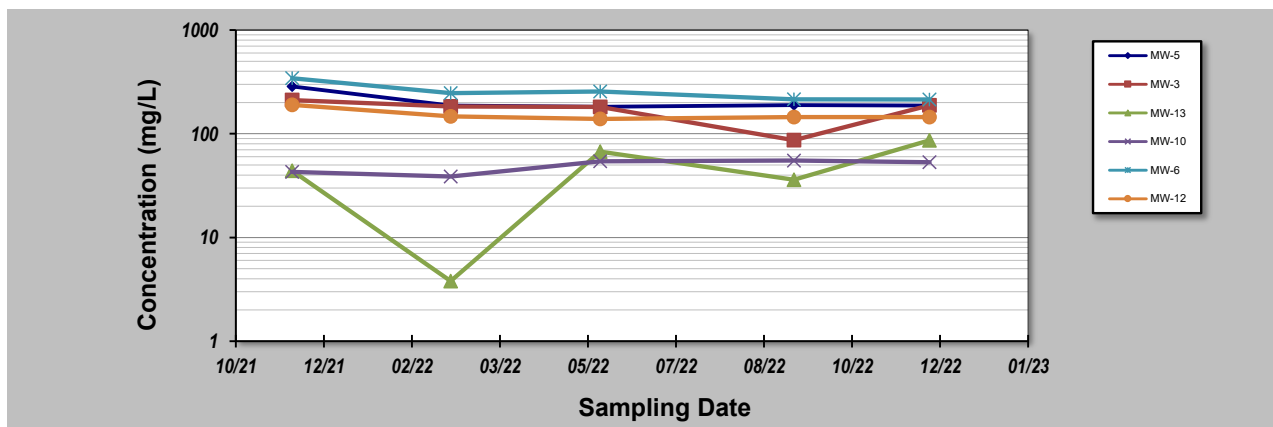
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TABLE 18

GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date:	01/01/23			Job ID:	AP-012					
Facility Name:	TNM 98-05A			Constituent:	Sulfate					
Conducted By:	TRC			Concentration Units:	mg/L					
Sampling Point ID:				MW-5	MW-3	MW-13	MW-10	MW-6	MW-12	
Sampling Event	Sampling Date	SULFATE CONCENTRATION (mg/L)								
1	12/02/21	286	211	44.0	42.8	343	190			
2	03/02/22	187	183	3.80	38.7	247	147			
3	05/26/22	182	181	67.4	54.3	256	139			
4	09/13/22	189	86.7	36.0	55.2	215	145			
5	11/29/22	187	188	86.5	53.1	214	145			
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
Coefficient of Variation:		0.22	0.28	0.66	0.15	0.21	0.14			
Mann-Kendall Statistic (S):		-3	-4	4	4	-8	-5			
Confidence Factor:		67.5%	75.8%	75.8%	75.8%	95.8%	82.1%			
Concentration Trend:		Stable	Stable	No Trend	No Trend	Decreasing	Stable			

**Notes:**

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

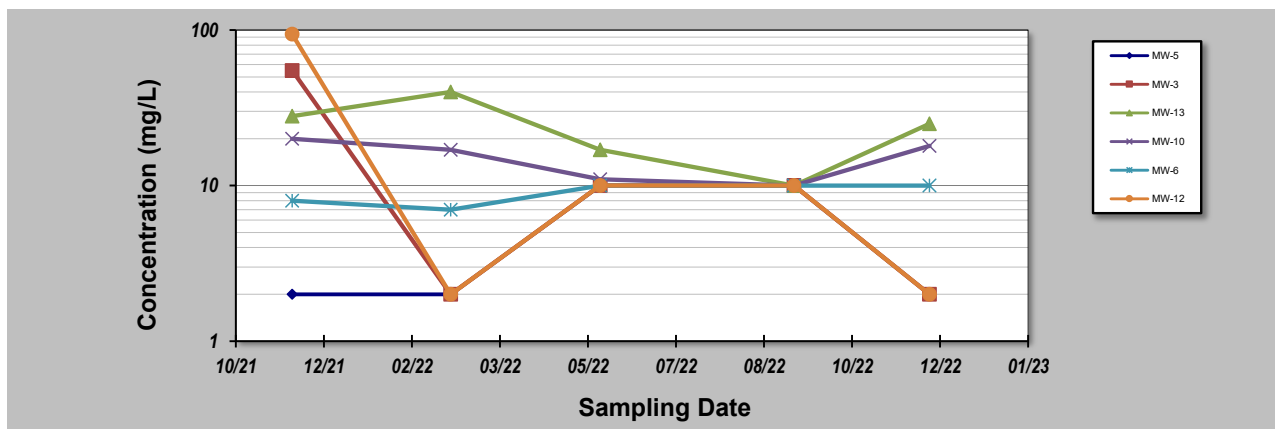
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TABLE 19

GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date:	01/01/23			Job ID:	AP-012			
Facility Name:	TNM 98-05A			Constituent:	Chemical Oxygen Demand (COD)			
Conducted By:	TRC			Concentration Units:	mg/L			
Sampling Point ID:		MW-5	MW-3	MW-13	MW-10	MW-6	MW-12	
Sampling Event	Sampling Date	CHEMICAL OXYGEN DEMAND (COD) CONCENTRATION (mg/L)						
1	12/02/21	2.00	55.0	28.0	20.0	8.00	94.0	
2	03/02/22	2.00	2.00	40.0	17.0	7.00	2.00	
3	05/26/22	10.0	10.0	17.0	11.0	10.0	10.0	
4	09/13/22	10.0	10.0	10.0	10.0	10.0	10.0	
5	11/29/22	2.00	2.00	25.0	18.0	10.0	2.00	
6								
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13								
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16								
17								
18								
19								
20								
Coefficient of Variation:		0.84	1.41	0.47	0.29	0.16	1.68	
Mann-Kendall Statistic (S):		2	-4	-4	-4	5	-4	
Confidence Factor:		59.2%	75.8%	75.8%	75.8%	82.1%	75.8%	
Concentration Trend:		No Trend	No Trend	Stable	Stable	No Trend	No Trend	

**Notes:**

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

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APPENDICES

APPENDIX A: 2022 Laboratory Analytical Reports

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



Analytical Report

Prepared for:

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Location: Lea County, New Mexico
Lab Order Number: 2C03001



Current Certification

Report Date: 03/23/22

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Curt Stanley

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-3	2C03001-01	Water	03/02/22 13:34	03-03-2022 08:27
MW-5	2C03001-02	Water	03/02/22 14:28	03-03-2022 08:27
MW-6	2C03001-03	Water	03/02/22 15:21	03-03-2022 08:27
MW-12	2C03001-04	Water	03/02/22 16:05	03-03-2022 08:27
MW-10	2C03001-05	Water	03/02/22 16:41	03-03-2022 08:27
MW-13	2C03001-06	Water	03/02/22 17:19	03-03-2022 08:27

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

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Curt Stanley

MW-3
2C03001-01 (Water)

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

Organics by GC

Benzene	ND	0.00100	mg/L	1	P2C1005	03/10/22 10:22	03/11/22 11:59	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2C1005	03/10/22 10:22	03/11/22 11:59	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2C1005	03/10/22 10:22	03/11/22 11:59	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2C1005	03/10/22 10:22	03/11/22 11:59	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2C1005	03/10/22 10:22	03/11/22 11:59	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	92.6 %		80-120		P2C1005	03/10/22 10:22	03/11/22 11:59	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	94.6 %		80-120		P2C1005	03/10/22 10:22	03/11/22 11:59	EPA 8021B	
Methane	0.00355	0.000500	mg/L	1	P2C1104	03/10/22 10:49	03/10/22 10:49	8015M	SUB-13
Ethane	ND	0.00100	mg/L	1	P2C1104	03/10/22 10:49	03/10/22 10:49	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2C1104	03/10/22 10:49	03/10/22 10:49	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	2.00	mg/L	1	P2C1001	03/11/22 11:27	03/11/22 11:27	8000	QAL1
Nitrate as N	0.867	0.200	mg/L	1	P2C0307	03/03/22 13:40	03/03/22 20:35	EPA 300.0	
Sulfate	183	10.0	mg/L	10	P2C0307	03/03/22 13:40	03/04/22 10:11	EPA 300.0	
Total Organic Carbon	ND	10.0	mg/L	1	P2C1104	03/10/22 10:49	03/10/22 10:49	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.0200	mg/L	1	P2C0306	03/11/22 13:26	03/14/22 12:11	EPA 6010B	QAL1
Manganese	0.000651	0.0200	mg/L	1	P2C0306	03/11/22 13:26	03/14/22 12:11	EPA 6010B	QAL1, J

Permian Basin Environmental Lab, L.P.

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

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Curt Stanley

MW-5
2C03001-02 (Water)

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

Organics by GC

Benzene	ND	0.00100	mg/L	1	P2C1005	03/10/22 10:22	03/11/22 00:20	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2C1005	03/10/22 10:22	03/11/22 00:20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2C1005	03/10/22 10:22	03/11/22 00:20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2C1005	03/10/22 10:22	03/11/22 00:20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2C1005	03/10/22 10:22	03/11/22 00:20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	87.3 %		80-120		P2C1005	03/10/22 10:22	03/11/22 00:20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	94.3 %		80-120		P2C1005	03/10/22 10:22	03/11/22 00:20	EPA 8021B	
Methane	0.00238	0.000500	mg/L	1	P2C1104	03/10/22 10:58	03/10/22 10:58	8015M	SUB-13
Ethane	ND	0.00100	mg/L	1	P2C1104	03/10/22 10:58	03/10/22 10:58	8015M	SUB-13
Ethene	0.00221	0.00100	mg/L	1	P2C1104	03/10/22 10:58	03/10/22 10:58	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	2.00	mg/L	1	P2C1001	03/11/22 11:27	03/11/22 11:27	8000	QAL1
Nitrate as N	0.737	0.200	mg/L	1	P2C0307	03/03/22 13:40	03/03/22 21:32	EPA 300.0	
Sulfate	187	10.0	mg/L	10	P2C0307	03/03/22 13:40	03/04/22 10:30	EPA 300.0	
Total Organic Carbon	ND	10.0	mg/L	1	P2C1104	03/10/22 10:58	03/10/22 10:58	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.0200	mg/L	1	P2C0306	03/11/22 13:26	03/14/22 12:15	EPA 6010B	QAL1
Manganese	0.00223	0.0200	mg/L	1	P2C0306	03/11/22 13:26	03/14/22 12:15	EPA 6010B	J, QAL1

Permian Basin Environmental Lab, L.P.

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

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Curt Stanley

MW-6
2C03001-03 (Water)

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

Organics by GC

Benzene	ND	0.00100	mg/L	1	P2C1006	03/10/22 10:26	03/11/22 03:04	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2C1006	03/10/22 10:26	03/11/22 03:04	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2C1006	03/10/22 10:26	03/11/22 03:04	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2C1006	03/10/22 10:26	03/11/22 03:04	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2C1006	03/10/22 10:26	03/11/22 03:04	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	88.3 %		80-120		P2C1006	03/10/22 10:26	03/11/22 03:04	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	94.4 %		80-120		P2C1006	03/10/22 10:26	03/11/22 03:04	EPA 8021B	
Methane	0.0955	0.00500	mg/L	1	P2C1104	03/10/22 11:06	03/10/22 11:06	8015M	SUB-13
Ethane	ND	0.00100	mg/L	1	P2C1104	03/10/22 11:06	03/10/22 11:06	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2C1104	03/10/22 11:06	03/10/22 11:06	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	7.00	2.00	mg/L	1	P2C1001	03/11/22 11:27	03/11/22 11:27	8000	QAL1
Nitrate as N	38.3	0.200	mg/L	1	P2C0307	03/03/22 13:40	03/03/22 21:51	EPA 300.0	
Sulfate	247	10.0	mg/L	10	P2C0307	03/03/22 13:40	03/04/22 10:49	EPA 300.0	
Total Organic Carbon	ND	10.0	mg/L	1	P2C1104	03/10/22 23:36	03/10/22 23:36	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.0200	mg/L	1	P2C0306	03/11/22 13:26	03/14/22 12:19	EPA 6010B	QAL1
Manganese	0.0130	0.0200	mg/L	1	P2C0306	03/11/22 13:26	03/14/22 12:19	EPA 6010B	J, QAL1

Permian Basin Environmental Lab, L.P.

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

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Curt Stanley

MW-12
2C03001-04 (Water)

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

Organics by GC

Benzene	ND	0.00100	mg/L	1	P2C1006	03/10/22 10:26	03/11/22 03:24	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2C1006	03/10/22 10:26	03/11/22 03:24	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2C1006	03/10/22 10:26	03/11/22 03:24	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2C1006	03/10/22 10:26	03/11/22 03:24	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2C1006	03/10/22 10:26	03/11/22 03:24	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	88.6 %		80-120		P2C1006	03/10/22 10:26	03/11/22 03:24	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	94.7 %		80-120		P2C1006	03/10/22 10:26	03/11/22 03:24	EPA 8021B	
Methane	0.251	0.00500	mg/L	1	P2C1104	03/10/22 11:14	03/10/22 11:14	8015M	SUB-13
Ethane	ND	0.00100	mg/L	1	P2C1104	03/10/22 11:14	03/10/22 11:14	8015M	SUB-13
Ethene	0.00234	0.00100	mg/L	1	P2C1104	03/10/22 11:14	03/10/22 11:14	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	2.00	mg/L	1	P2C1001	03/11/22 11:27	03/11/22 11:27	8000	QAL1
Nitrate as N	ND	0.200	mg/L	1	P2C0307	03/03/22 13:40	03/03/22 22:10	EPA 300.0	
Sulfate	147	10.0	mg/L	10	P2C0307	03/03/22 13:40	03/04/22 11:08	EPA 300.0	
Total Organic Carbon	ND	10.0	mg/L	1	P2C1104	03/10/22 23:49	03/10/22 23:49	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	0.127	0.0200	mg/L	1	P2C0306	03/11/22 13:26	03/14/22 12:23	EPA 6010B	QAL1
Manganese	0.0272	0.0200	mg/L	1	P2C0306	03/11/22 13:26	03/14/22 12:23	EPA 6010B	QAL1

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Curt Stanley

MW-10
2C03001-05 (Water)

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

Organics by GC

Benzene	0.0480	0.00100	mg/L	1	P2C1006	03/10/22 10:26	03/11/22 12:40	EPA 8021B	
Toluene	0.00200	0.00100	mg/L	1	P2C1006	03/10/22 10:26	03/11/22 12:40	EPA 8021B	
Ethylbenzene	0.00146	0.00100	mg/L	1	P2C1006	03/10/22 10:26	03/11/22 12:40	EPA 8021B	
Xylene (p/m)	0.00536	0.00200	mg/L	1	P2C1006	03/10/22 10:26	03/11/22 12:40	EPA 8021B	
Xylene (o)	0.00176	0.00100	mg/L	1	P2C1006	03/10/22 10:26	03/11/22 12:40	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>97.0 %</i>				<i>P2C1006</i>	<i>03/10/22 10:26</i>	<i>03/11/22 12:40</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>92.0 %</i>				<i>P2C1006</i>	<i>03/10/22 10:26</i>	<i>03/11/22 12:40</i>	<i>EPA 8021B</i>	
Methane	5.18	0.200	mg/L	1	P2C1104	03/10/22 11:30	03/10/22 11:30	8015M	SUB-13
Ethane	0.0184	0.00100	mg/L	1	P2C1104	03/10/22 11:30	03/10/22 11:30	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2C1104	03/10/22 11:30	03/10/22 11:30	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	17.0	2.00	mg/L	1	P2C1001	03/11/22 11:27	03/11/22 11:27	8000	QAL1
Nitrate as N	ND	0.200	mg/L	1	P2C0307	03/03/22 13:40	03/03/22 22:29	EPA 300.0	
Sulfate	38.7	1.00	mg/L	1	P2C0307	03/03/22 13:40	03/03/22 22:29	EPA 300.0	
Total Organic Carbon	ND	10.0	mg/L	1	P2C1104	03/09/22 00:01	03/09/22 00:01	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	0.209	0.0200	mg/L	1	P2C0306	03/11/22 13:26	03/14/22 12:35	EPA 6010B	QAL1
Manganese	0.161	0.0200	mg/L	1	P2C0306	03/11/22 13:26	03/14/22 12:35	EPA 6010B	QAL1

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Curt Stanley

MW-13**2C03001-06 (Water)**

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

Benzene	7.04	0.100	mg/L	100	P2C1006	03/10/22 10:26	03/11/22 13:01	EPA 8021B	
Toluene	0.0154	0.0100	mg/L	10	P2C1006	03/10/22 10:26	03/11/22 04:05	EPA 8021B	
Ethylbenzene	0.101	0.0100	mg/L	10	P2C1006	03/10/22 10:26	03/11/22 04:05	EPA 8021B	
Xylene (p/m)	0.0413	0.0200	mg/L	10	P2C1006	03/10/22 10:26	03/11/22 04:05	EPA 8021B	
Xylene (o)	0.0135	0.0100	mg/L	10	P2C1006	03/10/22 10:26	03/11/22 04:05	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>92.9 %</i>		<i>80-120</i>		<i>P2C1006</i>	<i>03/10/22 10:26</i>	<i>03/11/22 04:05</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>101 %</i>		<i>80-120</i>		<i>P2C1006</i>	<i>03/10/22 10:26</i>	<i>03/11/22 04:05</i>	<i>EPA 8021B</i>	
Methane	2.89	0.0500	mg/L	1	P2C1104	03/10/22 13:11	03/10/22 13:11	8015M	SUB-13
Ethane	0.0121	0.00100	mg/L	1	P2C1104	03/10/22 13:11	03/10/22 13:11	8015M	SUB-13
Ethene	0.142	0.100	mg/L	1	P2C1104	03/10/22 13:11	03/10/22 13:11	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	40.0	2.00	mg/L	1	P2C1001	03/11/22 11:27	03/11/22 11:27	8000	QAL1
Nitrate as N	ND	0.200	mg/L	1	P2C0307	03/03/22 13:40	03/03/22 22:48	EPA 300.0	
Sulfate	3.80	1.00	mg/L	1	P2C0307	03/03/22 13:40	03/03/22 22:48	EPA 300.0	
Total Organic Carbon	ND	10.0	mg/L	1	P2C1104	03/09/22 00:41	03/09/22 00:41	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	0.285	0.0200	mg/L	1	P2C0306	03/11/22 13:26	03/14/22 12:39	EPA 6010B	QAL1
Manganese	0.113	0.0200	mg/L	1	P2C0306	03/11/22 13:26	03/14/22 12:39	EPA 6010B	QAL1

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
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
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Batch P2C1005 - General Preparation (GC)

Blank (P2C1005-BLK1)

Prepared & Analyzed: 03/10/22

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		97.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		95.7	80-120			

LCS (P2C1005-BS1)

Prepared & Analyzed: 03/10/22

Benzene	0.102	0.00100	mg/L	0.100		102	80-120			
Toluene	0.104	0.00100	"	0.100		104	80-120			
Ethylbenzene	0.115	0.00100	"	0.100		115	80-120			
Xylene (p/m)	0.220	0.00200	"	0.200		110	80-120			
Xylene (o)	0.0991	0.00100	"	0.100		99.1	80-120			
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		99.5	80-120			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		96.2	80-120			

LCS Dup (P2C1005-BSD1)

Prepared & Analyzed: 03/10/22

Benzene	0.103	0.00100	mg/L	0.100		103	80-120	0.673	20	
Toluene	0.105	0.00100	"	0.100		105	80-120	1.27	20	
Ethylbenzene	0.116	0.00100	"	0.100		116	80-120	0.873	20	
Xylene (p/m)	0.221	0.00200	"	0.200		110	80-120	0.209	20	
Xylene (o)	0.0994	0.00100	"	0.100		99.4	80-120	0.292	20	
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		101	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.2	80-120			

Calibration Check (P2C1005-CCV1)

Prepared & Analyzed: 03/10/22

Benzene	0.100	0.00100	mg/L	0.100		100	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.0998	0.00100	"	0.100		99.8	80-120			
Xylene (p/m)	0.208	0.00200	"	0.200		104	80-120			
Xylene (o)	0.0956	0.00100	"	0.100		95.6	80-120			
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.3	80-120			

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
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
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Batch P2C1005 - General Preparation (GC)

Calibration Check (P2C1005-CCV2)

Prepared & Analyzed: 03/10/22

Benzene	0.105	0.00100	mg/L	0.100		105	80-120			
Toluene	0.105	0.00100	"	0.100		105	80-120			
Ethylbenzene	0.101	0.00100	"	0.100		101	80-120			
Xylene (p/m)	0.212	0.00200	"	0.200		106	80-120			
Xylene (o)	0.0988	0.00100	"	0.100		98.8	80-120			
Surrogate: 4-Bromofluorobenzene	0.112		"	0.120		93.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		96.2	80-120			

Calibration Check (P2C1005-CCV3)

Prepared: 03/10/22 Analyzed: 03/11/22

Benzene	0.117	0.00100	mg/L	0.100		117	80-120			
Toluene	0.119	0.00100	"	0.100		119	80-120			
Ethylbenzene	0.117	0.00100	"	0.100		117	80-120			
Xylene (p/m)	0.240	0.00200	"	0.200		120	80-120			
Xylene (o)	0.115	0.00100	"	0.100		115	80-120			
Surrogate: 4-Bromofluorobenzene	0.108		"	0.120		90.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		95.6	80-120			

Matrix Spike (P2C1005-MS1)

Source: 2C02001-01

Prepared: 03/10/22 Analyzed: 03/11/22

Benzene	0.127	0.00100	mg/L	0.100	ND	127	80-120			QM-07
Toluene	0.128	0.00100	"	0.100	ND	128	80-120			QM-07
Ethylbenzene	0.139	0.00100	"	0.100	ND	139	80-120			QM-07
Xylene (p/m)	0.265	0.00200	"	0.200	ND	132	80-120			QM-07
Xylene (o)	0.119	0.00100	"	0.100	ND	119	80-120			
Surrogate: 4-Bromofluorobenzene	0.113		"	0.120		94.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.4	80-120			

Matrix Spike Dup (P2C1005-MSD1)

Source: 2C02001-01

Prepared: 03/10/22 Analyzed: 03/11/22

Benzene	0.133	0.00100	mg/L	0.100	ND	133	80-120	4.05	20	QM-07
Toluene	0.131	0.00100	"	0.100	ND	131	80-120	2.25	20	QM-07
Ethylbenzene	0.144	0.00100	"	0.100	ND	144	80-120	3.22	20	QM-07
Xylene (p/m)	0.275	0.00200	"	0.200	ND	138	80-120	3.71	20	QM-07
Xylene (o)	0.126	0.00100	"	0.100	ND	126	80-120	5.59	20	QM-07
Surrogate: 4-Bromofluorobenzene	0.112		"	0.120		93.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.3	80-120			

Permian Basin Environmental Lab, L.P.

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
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
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Batch P2C1006 - General Preparation (GC)

Blank (P2C1006-BLK1)

Prepared: 03/10/22 Analyzed: 03/11/22

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.107		"	0.120		88.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		95.8	80-120			

LCS (P2C1006-BS1)

Prepared: 03/10/22 Analyzed: 03/11/22

Benzene	0.114	0.00100	mg/L	0.100		114	80-120			
Toluene	0.116	0.00100	"	0.100		116	80-120			
Ethylbenzene	0.108	0.00100	"	0.100		108	80-120			
Xylene (p/m)	0.233	0.00200	"	0.200		116	80-120			
Xylene (o)	0.110	0.00100	"	0.100		110	80-120			
Surrogate: 4-Bromofluorobenzene	0.114		"	0.120		94.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		95.6	80-120			

LCS Dup (P2C1006-BSD1)

Prepared: 03/10/22 Analyzed: 03/11/22

Benzene	0.117	0.00100	mg/L	0.100		117	80-120	3.00	20	
Toluene	0.119	0.00100	"	0.100		119	80-120	2.61	20	
Ethylbenzene	0.112	0.00100	"	0.100		112	80-120	3.49	20	
Xylene (p/m)	0.234	0.00200	"	0.200		117	80-120	0.330	20	
Xylene (o)	0.114	0.00100	"	0.100		114	80-120	4.03	20	
Surrogate: 4-Bromofluorobenzene	0.114		"	0.120		95.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.7	80-120			

Calibration Blank (P2C1006-CCB1)

Prepared: 03/10/22 Analyzed: 03/11/22

Benzene	0.180		mg/L							
Toluene	0.300		"							
Ethylbenzene	0.480		"							
Xylene (p/m)	1.53		"							
Xylene (o)	0.950		"							
Surrogate: 4-Bromofluorobenzene	0.108		"	0.120		89.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		95.9	80-120			

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
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
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Batch P2C1006 - General Preparation (GC)

Calibration Blank (P2C1006-CCB2)

Prepared: 03/10/22 Analyzed: 03/11/22

Benzene	0.210		mg/L							
Toluene	0.250		"							
Ethylbenzene	0.460		"							
Xylene (p/m)	1.17		"							
Xylene (o)	0.690		"							
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120		87.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.112		"	0.120		93.4	80-120			

Calibration Blank (P2C1006-CCB3)

Prepared: 03/10/22 Analyzed: 03/11/22

Benzene	0.230		mg/L							
Toluene	0.310		"							
Ethylbenzene	0.570		"							
Xylene (p/m)	1.27		"							
Xylene (o)	0.710		"							
Surrogate: 4-Bromofluorobenzene	0.112		"	0.120		93.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.113		"	0.120		94.1	80-120			

Calibration Check (P2C1006-CCV1)

Prepared: 03/10/22 Analyzed: 03/11/22

Benzene	0.117	0.00100	mg/L	0.100		117	80-120			
Toluene	0.119	0.00100	"	0.100		119	80-120			
Ethylbenzene	0.117	0.00100	"	0.100		117	80-120			
Xylene (p/m)	0.240	0.00200	"	0.200		120	80-120			
Xylene (o)	0.115	0.00100	"	0.100		115	80-120			
Surrogate: 4-Bromofluorobenzene	0.108		"	0.120		90.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		95.6	80-120			

Calibration Check (P2C1006-CCV2)

Prepared: 03/10/22 Analyzed: 03/11/22

Benzene	0.110	0.00100	mg/L	0.100		110	80-120			
Toluene	0.105	0.00100	"	0.100		105	80-120			
Ethylbenzene	0.103	0.00100	"	0.100		103	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	0.108		"	0.120		90.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.2	80-120			

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
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
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Batch P2C1006 - General Preparation (GC)

Calibration Check (P2C1006-CCV3)

Prepared: 03/10/22 Analyzed: 03/11/22

Benzene	0.102	0.00100	mg/L	0.100		102	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)	0.215	0.00200	"	0.200		108	80-120			
Xylene (o)	0.101	0.00100	"	0.100		101	80-120			
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		95.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		94.6	80-120			

Matrix Spike (P2C1006-MS1)

Source: 2C03001-03

Prepared: 03/10/22 Analyzed: 03/11/22

Benzene	0.109	0.00100	mg/L	0.100	ND	109	80-120			
Toluene	0.110	0.00100	"	0.100	ND	110	80-120			
Ethylbenzene	0.117	0.00100	"	0.100	ND	117	80-120			
Xylene (p/m)	0.234	0.00200	"	0.200	ND	117	80-120			
Xylene (o)	0.107	0.00100	"	0.100	ND	107	80-120			
Surrogate: 4-Bromofluorobenzene	0.114		"	0.120		94.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		95.5	80-120			

Matrix Spike Dup (P2C1006-MSD1)

Source: 2C03001-03

Prepared: 03/10/22 Analyzed: 03/11/22

Benzene	0.116	0.00100	mg/L	0.100	ND	116	80-120	5.93	20	
Toluene	0.118	0.00100	"	0.100	ND	118	80-120	7.45	20	
Ethylbenzene	0.117	0.00100	"	0.100	ND	117	80-120	0.299	20	
Xylene (p/m)	0.236	0.00200	"	0.200	ND	118	80-120	0.718	20	
Xylene (o)	0.115	0.00100	"	0.100	ND	115	80-120	8.00	20	
Surrogate: 4-Bromofluorobenzene	0.118		"	0.120		98.5	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.2	80-120			

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
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
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Batch P2C0307 - * DEFAULT PREP *****

Blank (P2C0307-BLK1)

Prepared & Analyzed: 03/03/22

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

LCS (P2C0307-BS1)

Prepared & Analyzed: 03/03/22

Nitrate as N	3.81	0.200	mg/L	4.00		95.4	90-110			
Sulfate	40.9	1.00	"	40.0		102	90-110			

LCS Dup (P2C0307-BSD1)

Prepared & Analyzed: 03/03/22

Nitrate as N	3.92	0.200	mg/L	4.00		98.1	90-110	2.82	10	
Sulfate	42.1	1.00	"	40.0		105	90-110	2.79	10	

Calibration Blank (P2C0307-CCB1)

Prepared & Analyzed: 03/03/22

Nitrate as N	0.00		mg/L							
Sulfate	0.00		"							

Calibration Check (P2C0307-CCV2)

Prepared & Analyzed: 03/03/22

Nitrate as N	2.02	0.200	mg/L				90-110			
Sulfate	21.6	1.00	"				90-110			

Matrix Spike (P2C0307-MS1)

Source: 2C03001-01

Prepared & Analyzed: 03/03/22

Sulfate	192	1.00	mg/L	10.0	183	88.7	80-120			
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Matrix Spike (P2C0307-MS2)

Source: 2C03001-01

Prepared & Analyzed: 03/03/22

Nitrate as N	2.94	0.200	mg/L	2.00	0.867	104	80-120			
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Matrix Spike Dup (P2C0307-MSD1)

Source: 2C03001-01

Prepared & Analyzed: 03/03/22

Sulfate	193	1.00	mg/L	10.0	183	101	80-120	0.640	20	
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Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
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
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Batch P2C0307 - * DEFAULT PREP *****

Matrix Spike Dup (P2C0307-MSD2)	Source: 2C03001-01				Prepared & Analyzed: 03/03/22					
Nitrate as N	2.93	0.200	mg/L	2.00	0.867	103	80-120	0.102	20	

Batch P2C1001 - * DEFAULT PREP *****

Blank (P2C1001-BLK1)	Prepared & Analyzed: 03/11/22									
Chemical Oxygen Demand	ND	2.00	mg/L							QAL1

Blank (P2C1001-BLK2)	Prepared & Analyzed: 03/11/22									
Chemical Oxygen Demand	ND	2.00	mg/L							QAL1

LCS (P2C1001-BS1)	Prepared & Analyzed: 03/11/22									
Chemical Oxygen Demand	96.0	2.00	mg/L	100		96.0	80-120			QAL1

LCS Dup (P2C1001-BSD1)	Prepared & Analyzed: 03/11/22									
Chemical Oxygen Demand	103	2.00	mg/L	100		103	80-120	7.04	20	QAL1

Calibration Blank (P2C1001-CCB1)	Prepared & Analyzed: 03/11/22									
Chemical Oxygen Demand	0.00		mg/L							QAL1

Calibration Check (P2C1001-CCV1)	Prepared & Analyzed: 03/11/22									
Chemical Oxygen Demand	98.0	2.00	mg/L	100		98.0	80-120			QAL1

Calibration Check (P2C1001-CCV2)	Prepared & Analyzed: 03/11/22									
Chemical Oxygen Demand	98.0	2.00	mg/L	100		98.0	80-120			QAL1

Calibration Check (P2C1001-CCV3)	Prepared & Analyzed: 03/11/22									
Chemical Oxygen Demand	97.0	2.00	mg/L	100		97.0	80-120			QAL1

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Curt Stanley

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2C1001 - *** DEFAULT PREP ***										
Calibration Check (P2C1001-CCV4)				Prepared & Analyzed: 03/11/22						
Chemical Oxygen Demand	920	2.00	mg/L	1000		92.0	80-120			QAL1
Calibration Check (P2C1001-CCV5)				Prepared & Analyzed: 03/11/22						
Chemical Oxygen Demand	921	2.00	mg/L	1000		92.1	80-120			QAL1
Duplicate (P2C1001-DUP1)				Source: 2C02001-01		Prepared & Analyzed: 03/11/22				
Chemical Oxygen Demand	4.00	2.00	mg/L		3.00			28.6	20	QAL1, R2
Duplicate (P2C1001-DUP2)				Source: 2C04001-05		Prepared & Analyzed: 03/11/22				
Chemical Oxygen Demand	815	2.00	mg/L		824			1.10	20	QAL1
Matrix Spike (P2C1001-MS1)				Source: 2C02001-01		Prepared & Analyzed: 03/11/22				
Chemical Oxygen Demand	116	2.00	mg/L	100	3.00	113	80-120			QAL1
Matrix Spike Dup (P2C1001-MSD1)				Source: 2C02001-01		Prepared & Analyzed: 03/11/22				
Chemical Oxygen Demand	112	2.00	mg/L	100	3.00	109	80-120	3.51	20	QAL1

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
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
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Batch P2C0306 - * DEFAULT PREP *****

Blank (P2C0306-BLK1)

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

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

LCS (P2C0306-BS1)

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

Iron	0.391	0.0200	mg/L	0.400		97.8	80-120			QAL1
Manganese	0.214	0.0200	"	0.200		107	80-120			QAL1

LCS Dup (P2C0306-BSD1)

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

Iron	0.394	0.0200	mg/L	0.400		98.6	80-120	0.810	20	QAL1
Manganese	0.237	0.0200	"	0.200		118	80-120	9.90	20	QAL1

Calibration Blank (P2C0306-CCB1)

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

Iron	-0.00414		mg/L							QAL1
Manganese	0.00158		"							QAL1

Calibration Blank (P2C0306-CCB2)

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

Iron	-0.0116		mg/L							QAL1
Manganese	-0.000250		"							QAL1

Calibration Blank (P2C0306-CCB3)

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

Manganese	-0.000190		mg/L							QAL1
Iron	-0.0157		"							QAL1

Calibration Check (P2C0306-CCV1)

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

Iron	0.399	0.0200	mg/L	0.400		99.6	80-120			QAL1
Manganese	0.216	0.0200	"	0.200		108	80-120			QAL1

Calibration Check (P2C0306-CCV2)

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

Iron	0.399	0.0200	mg/L	0.400		99.7	80-120			QAL1
Manganese	0.227	0.0200	"	0.200		114	80-120			QAL1

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
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
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Batch P2C0306 - * DEFAULT PREP *****

Calibration Check (P2C0306-CCV3)

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

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

Matrix Spike (P2C0306-MS1)

Source: 2C02001-01

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

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

Matrix Spike Dup (P2C0306-MSD1)

Source: 2C02001-01

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

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

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Curt Stanley

Notes and Definitions

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

R2 The RPD exceeded the acceptance limit.

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

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

NPBEL C Chain of Custody was not generated at PBELAB

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

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

3/23/2022

Brent Barron, Laboratory Director/Technical Director

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Curt Stanley

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

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

PBRLAB

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 1 of 1

Page 21 of 38

Project Manager: Curt StanleyProject Name: 98-05ACompany Name: TRC Environmental CorporationProject #: TNIM 98-05ACompany Address: 10 Desta Drive, Ste 130EProject Loc: Lea County, New MexicoCity/State/Zip: Midland/TX/79703

PO #:

Telephone No: (432)5207720

Fax No:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: _____

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

(lab use only)

ORDER #: 2003001

LAB # (lab use only)

FIELD CODE

Beginning Depth

Ending Depth

Date Sampled

Time Sampled

Field Filtered

Total #. of Containers

Ice

HNO₃

HCl

H₂SO₄

NaOH

Na₂S₂O₃

None

Other (Specify)

DW=Drinking Water SL=Sludge

GW = Groundwater S=Solids/Solid

NP=Non-Potable Specify Other

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

Analyze For:

TCAP:

TOTAL: X

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Ice	HNO ₃	HCl	H ₂ SO ₄	NaOH	Na ₂ S ₂ O ₃	None	Other (Specify)	DW=Drinking Water SL=Sludge GW = Groundwater S=Solids/Solid NP=Non-Potable Specify Other	TOC SM 5310	Dissolved Methane, Ethane and ethene by RSK-175	Total Dissolved Metals (Fe and Mn) by SW 6010	Nitrate and Sulfate by E300	COD by SM 5310	Total BTEX by 8260	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
-01	MMW-3			3-2-22	1334	1	12	X	X	X	X					GW	X	X	X	X	X		X	X
-02	MMW-5				1428	1	12	X	X	X	X					GW	X	X	X	X	X		X	X
-03	MMW-6				1521	1	12	X	X	X	X					GW	X	X	X	X	X		X	X
-04	MMW-12				1605	1	12	X	X	X	X					GW	X	X	X	X	X		X	X
-05	MMW-10				1641	1	12	X	X	X	X					GW	X	X	X	X	X		X	X
-06	MMW-13				1719	1	12	X	X	X	X					GW	X	X	X	X	X		X	X

Special Instructions:

BILL TO PLAINS

Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by: <u>Wanny</u>	3-3-22	611	Received by:		
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Laboratory Comments:

Sample Containers Intact?

VOCs Free of Headspace?

Labels on container(s)

Custody seals on container(s)

Custody seals on cooler(s)

Sample Hand Delivered

by Sampler/Client Rep.?

by Courier? UPS DHL FedEx

Temperature Upon Receipt: °C

Adjusted: °C Factor

-02 +1.0 = 0.8 C/F



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

March 10, 2022

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

Work Order: **HS22030238**

Laboratory Results for: **2C03001**

Dear Brent Barron,

ALS Environmental received 6 sample(s) on Mar 04, 2022 for the analysis presented in the following report.

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

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

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

Sincerely,

A handwritten signature in cursive script, reading "Bernadette Fini".

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

ALS Houston, US

Date: 10-Mar-22

Client: Permian Basin Environmental Lab, LP
Project: 2C03001
Work Order: HS22030238

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS22030238-01	2C03001-01	Water		02-Mar-2022 13:34	04-Mar-2022 09:30	☐
HS22030238-02	2C03001-02	Water		02-Mar-2022 14:28	04-Mar-2022 09:30	☐
HS22030238-03	2C03001-03	Water		02-Mar-2022 15:21	04-Mar-2022 09:30	☐
HS22030238-04	2C03001-04	Water		02-Mar-2022 16:05	04-Mar-2022 09:30	☐
HS22030238-05	2C03001-05	Water		02-Mar-2022 16:41	04-Mar-2022 09:30	☐
HS22030238-06	2C03001-06	Water		02-Mar-2022 17:19	04-Mar-2022 09:30	☐

ALS Houston, US

Date: 10-Mar-22

Client: Permian Basin Environmental Lab, LP
Project: 2C03001
Work Order: HS22030238

CASE NARRATIVE**GC Semivolatiles by Method RSK-175****Batch ID: R403896****Sample ID: HS22030413-02DUP**

- DUP is for an unrelated sample

WetChemistry by Method E415.1**Batch ID: R403789****Sample ID: 2C03001-01 (HS22030238-01)**

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

Sample ID: 2C03001-02 (HS22030238-02)

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

Sample ID: 2C03001-03 (HS22030238-03)

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

Sample ID: 2C03001-04 (HS22030238-04)

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

Sample ID: 2C03001-05 (HS22030238-05)

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

Sample ID: 2C03001-06 (HS22030238-06)

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

ALS Houston, US

Date: 10-Mar-22

Client:	Permian Basin Environmental Lab, LP	ANALYTICAL REPORT
Project:	2C03001	WorkOrder:HS22030238
Sample ID:	2C03001-01	Lab ID:HS22030238-01
Collection Date:	02-Mar-2022 13:34	Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: PPM		
Ethane	ND		1.00	ug/L	1	10-Mar-2022 10:49
Ethene	ND		1.00	ug/L	1	10-Mar-2022 10:49
Methane	3.55		0.500	ug/L	1	10-Mar-2022 10:49
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	ND		10.0	mg/L	10	08-Mar-2022 23:11

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

ALS Houston, US

Date: 10-Mar-22

Client:	Permian Basin Environmental Lab, LP	ANALYTICAL REPORT
Project:	2C03001	WorkOrder:HS22030238
Sample ID:	2C03001-02	Lab ID:HS22030238-02
Collection Date:	02-Mar-2022 14:28	Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: PPM		
Ethane	ND		1.00	ug/L	1	10-Mar-2022 10:58
Ethene	2.21		1.00	ug/L	1	10-Mar-2022 10:58
Methane	2.38		0.500	ug/L	1	10-Mar-2022 10:58
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	ND		10.0	mg/L	10	08-Mar-2022 23:23

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

ALS Houston, US

Date: 10-Mar-22

Client:	Permian Basin Environmental Lab, LP	ANALYTICAL REPORT
Project:	2C03001	WorkOrder:HS22030238
Sample ID:	2C03001-03	Lab ID:HS22030238-03
Collection Date:	02-Mar-2022 15:21	Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: PPM		
Ethane	ND		1.00	ug/L	1	10-Mar-2022 11:06
Ethene	ND		1.00	ug/L	1	10-Mar-2022 11:06
Methane	95.5		5.00	ug/L	10	10-Mar-2022 12:18
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	ND		10.0	mg/L	10	08-Mar-2022 23:36

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

ALS Houston, US

Date: 10-Mar-22

Client:	Permian Basin Environmental Lab, LP	ANALYTICAL REPORT
Project:	2C03001	WorkOrder:HS22030238
Sample ID:	2C03001-04	Lab ID:HS22030238-04
Collection Date:	02-Mar-2022 16:05	Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: PPM		
Ethane	ND		1.00	ug/L	1	10-Mar-2022 11:14
Ethene	2.34		1.00	ug/L	1	10-Mar-2022 11:14
Methane	251		5.00	ug/L	10	10-Mar-2022 12:39
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	ND		10.0	mg/L	10	08-Mar-2022 23:49

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

ALS Houston, US

Date: 10-Mar-22

Client:Permian Basin Environmental Lab, LP

Project:2C03001

Sample ID:2C03001-05

Collection Date:02-Mar-2022 16:41

ANALYTICAL REPORT

WorkOrder:HS22030238

Lab ID:HS22030238-05

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: PPM		
Ethane	18.4		1.00	ug/L	1	10-Mar-2022 11:30
Ethene	ND		1.00	ug/L	1	10-Mar-2022 11:30
Methane	5,180		200	ug/L	400	10-Mar-2022 12:51
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	ND		10.0	mg/L	10	09-Mar-2022 00:01

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

ALS Houston, US

Date: 10-Mar-22

Client:Permian Basin Environmental Lab, LP

Project:2C03001

Sample ID:2C03001-06

Collection Date:02-Mar-2022 17:19

ANALYTICAL REPORT

WorkOrder:HS22030238

Lab ID:HS22030238-06

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: PPM		
Ethane	12.1		1.00	ug/L	1	10-Mar-2022 11:40
Ethene	142		100	ug/L	100	10-Mar-2022 13:02
Methane	2,890		50.0	ug/L	100	10-Mar-2022 13:02
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	ND		10.0	mg/L	10	09-Mar-2022 00:41

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

ALS Houston, US

Date: 10-Mar-22

Client: Permian Basin Environmental Lab, LP
Project: 2C03001
WorkOrder: HS22030238

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R403789 (0)		Test Name : TOTAL ORGANIC CARBON BY E415.1			Matrix: Water	
HS22030238-01	2C03001-01	02 Mar 2022 13:34			08 Mar 2022 23:11	10
HS22030238-02	2C03001-02	02 Mar 2022 14:28			08 Mar 2022 23:23	10
HS22030238-03	2C03001-03	02 Mar 2022 15:21			08 Mar 2022 23:36	10
HS22030238-04	2C03001-04	02 Mar 2022 16:05			08 Mar 2022 23:49	10
HS22030238-05	2C03001-05	02 Mar 2022 16:41			09 Mar 2022 00:01	10
HS22030238-06	2C03001-06	02 Mar 2022 17:19			09 Mar 2022 00:41	10
Batch ID: R403896 (0)		Test Name : DISSOLVED GASES BY RSK-175			Matrix: Water	
HS22030238-01	2C03001-01	02 Mar 2022 13:34			10 Mar 2022 10:49	1
HS22030238-02	2C03001-02	02 Mar 2022 14:28			10 Mar 2022 10:58	1
HS22030238-03	2C03001-03	02 Mar 2022 15:21			10 Mar 2022 12:18	10
HS22030238-03	2C03001-03	02 Mar 2022 15:21			10 Mar 2022 11:06	1
HS22030238-04	2C03001-04	02 Mar 2022 16:05			10 Mar 2022 12:39	10
HS22030238-04	2C03001-04	02 Mar 2022 16:05			10 Mar 2022 11:14	1
HS22030238-05	2C03001-05	02 Mar 2022 16:41			10 Mar 2022 12:51	400
HS22030238-05	2C03001-05	02 Mar 2022 16:41			10 Mar 2022 11:30	1
HS22030238-06	2C03001-06	02 Mar 2022 17:19			10 Mar 2022 13:02	100
HS22030238-06	2C03001-06	02 Mar 2022 17:19			10 Mar 2022 11:40	1

ALS Houston, US

Date: 10-Mar-22

Client: Permian Basin Environmental Lab, LP
Project: 2C03001
WorkOrder: HS22030238

QC BATCH REPORT

Batch ID: R403896 (0)		Instrument: FID-4		Method: DISSOLVED GASES BY RSK-175					
MBLK	Sample ID: MBLK-220310	Units: ug/L		Analysis Date: 10-Mar-2022 09:06					
Client ID:	Run ID: FID-4_403896	SeqNo: 6539409		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual

Ethane	ND	1.00							
Ethene	ND	1.00							
Methane	ND	0.500							

LCS	Sample ID: LCS-220310	Units: ug/L		Analysis Date: 10-Mar-2022 09:16					
Client ID:	Run ID: FID-4_403896	SeqNo: 6539410		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual

Ethane	16.33	1.00	18.04	0	90.5	75 - 125			
Ethene	15.91	1.00	16.8	0	94.7	75 - 125			
Methane	10.39	0.500	9.647	0	108	75 - 125			

LCSD	Sample ID: LCSD-220310	Units: ug/L		Analysis Date: 10-Mar-2022 09:25					
Client ID:	Run ID: FID-4_403896	SeqNo: 6539411		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual

Ethane	15.8	1.00	18.04	0	87.6	75 - 125	16.33	3.26	30
Ethene	15.4	1.00	16.8	0	91.7	75 - 125	15.91	3.22	30
Methane	10.04	0.500	9.647	0	104	75 - 125	10.39	3.47	30

DUP	Sample ID: HS22030413-02DUP	Units: ug/L		Analysis Date: 10-Mar-2022 14:22					
Client ID:	Run ID: FID-4_403896	SeqNo: 6539449		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual

Ethane	ND	1.00					0	0	30
Ethene	1.62	1.00					0	200	30 R
Methane	7.423	0.500					8.017	7.71	30

The following samples were analyzed in this batch:

HS22030238-01	HS22030238-02	HS22030238-03	HS22030238-04
HS22030238-05	HS22030238-06		

ALS Houston, US

Date: 10-Mar-22

Client: Permian Basin Environmental Lab, LP
Project: 2C03001
WorkOrder: HS22030238

QC BATCH REPORT

Batch ID: R403789 (0)		Instrument: TOC_04		Method: TOTAL ORGANIC CARBON BY E415.1						
MBLK	Sample ID: MBLK-03042022	Units: mg/L		Analysis Date: 08-Mar-2022 22:05						
Client ID:	Run ID: TOC_04_403789	SeqNo: 6537166		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	ND	1.00								
LCS	Sample ID: LCS-03042022	Units: mg/L		Analysis Date: 08-Mar-2022 22:19						
Client ID:	Run ID: TOC_04_403789	SeqNo: 6537167		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	9.196	1.00	10	0	92.0	85 - 115				
LCSD	Sample ID: LCSD-03042022	Units: mg/L		Analysis Date: 08-Mar-2022 22:33						
Client ID:	Run ID: TOC_04_403789	SeqNo: 6537168		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	9.227	1.00	10	0	92.3	85 - 115	9.196	0.337	20	
MS	Sample ID: HS22030236-06MS	Units: mg/L		Analysis Date: 08-Mar-2022 22:59						
Client ID:	Run ID: TOC_04_403789	SeqNo: 6537191		PrepDate:		DF: 10				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	101.4	10.0	100	-3.049	104	80 - 120				
The following samples were analyzed in this batch:										
HS22030238-01		HS22030238-02		HS22030238-03		HS22030238-04				
HS22030238-05		HS22030238-06								

ALS Houston, US

Date: 10-Mar-22

Client: Permian Basin Environmental Lab, LP
Project: 2C03001
WorkOrder: HS22030238

**QUALIFIERS,
ACRONYMS, UNITS**

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

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

ALS Houston, US

Date: 10-Mar-22

CERTIFICATIONS,ACCREDITATIONS & LICENSES

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

ALS Houston, US

Date: 10-Mar-22

Sample Receipt Checklist

Work Order ID: HS22030238

Date/Time Received: 04-Mar-2022 09:30

Client Name: Permian Basin Lab

Received by: Pablo Martinez

Completed By: /S/ Niles D. Ranchod	04-Mar-2022 11:07	Reviewed by: /S/ Bernadette A. Fini	04-Mar-2022 14:53
eSignature	Date/Time	eSignature	Date/Time

Matrices: waterCarrier name: FedEx Priority Overnight

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Samplers name present on COC?	Yes ☐	No ☒	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	
Temperature(s)/Thermometer(s):	0.7C/1.2C UC/C IR #31		
Cooler(s)/Kit(s):	RED		
Date/Time sample(s) sent to storage:	03/04/2022 11:45		
Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☒	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☐	N/A ☒
pH adjusted by:			

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

Corrective Action:

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235
PBELAB_SUB_COC_V2

Project Manager: Brent Barron

Project Name: SUBCONTRACT

Company Name: PBEL

HS22030238

Project #:

Company Address: 1400 Rankin HWY

Permian Basin Environmental Lab, LP
2C03001

Project Loc:

City/State/Zip: Midland Texas 79701

PO #:

Telephone No: 432-661-4184

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: N/A

e-mail: brentbarron@pbelab.com

LAB # (lab use only)		FIELD CODE		Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers										Matrix	Analyze For:										48 HOUR	STANDARD 4 DAY							
ORDER #:										ICE	HNO ₃ 250 Poly 1	HCl 3 40mL VOA	H ₂ SO ₄ 1 Amber 500 250 poly	NaOH /ZNAC 250 Poly 1	Na ₂ S ₂ O ₃	None Poly 500mL 250mL Glass Amber 1000 500 mL	NONE 3 AMBER VOAA VIALS	DW=Drinking Water SL=Sludge	GW = Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	8270C PAH LL	METALS RCRA 8 TOTAL ICPMS/7471	TOC-SM/5310B	MSK-1/5 Methane/Ethane/Ethene	8270 TOTAL SEMIVOLATILE	8260 Complete List Total	Na, Ca, K, Mg Total ICP 6020	Cd TCLP ICP/MS 6020A	RCI	METHANOL 8015M	GLYCOLS-DI 8015B	8260B TCLP BENZENE	AMMONIA AS N						
		2C03001-01				3/2/2022	13:34		5	X									W			X	X															X	
		2C03001-02				3/2/2022	14:28		5	X									W			X	X															X	
		2C03001-03				3/2/2022	15:21		5	X									W			X	X															X	
		2C03001-04				3/2/2022	16:05		5	X									W			X	X															X	
		2C03001-05				3/2/2022	16:41		5	X									W			X	X															X	
		2C03001-06				3/2/2022	17:19		5	X									W			X	X															X	

Special Instructions:						Laboratory Comments:					
Relinquished by:	Date	Time	Received by:	Date	Time	Sample Containers Intact?	Y	N	VOCs Free of Headspace?	Y	N
Brent Barron	3/3/22	17:00	Paul [Signature]	3/4/22	9:00	Labels on container(s)	Y	N	Custody seals on container(s)	Y	N
Relinquished by:	Date	Time	Received by:	Date	Time	Custody seals on cooler(s)	Y	N	Sample Hand Delivered	Y	N
						by Sampler/Client Rep. ?	Y	N	by Courier?	UPS	DHL
Relinquished by:	Date	Time	Received by:	Date	Time	Temperature Upon Receipt:			FedEx	Lone Star	
						Received: 0.70 °C					
						Adjusted: °C Factor					

RFD 1R31 CP405



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



Analytical Report

Prepared for:

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

Project: 98-05
Project Number: TNM 98-05
Location: Lea County, New Mexico
Lab Order Number: 2C03003



Current Certification

Report Date: 03/14/22

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

Project: 98-05
Project Number: TNM 98-05
Project Manager: Curt Stanley

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	2C03003-01	Water	03/02/22 16:10	03-03-2022 09:07
MW-2	2C03003-02	Water	03/02/22 16:49	03-03-2022 09:07

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

Project: 98-05
Project Number: TNM 98-05
Project Manager: Curt Stanley

MW-1
2C03003-01 (Water)

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

Organics by GC

Benzene	0.0255	0.00100	mg/L	1	P2C1006	03/10/22 10:26	03/11/22 04:26	EPA 8021B	
Toluene	0.00136	0.00100	mg/L	1	P2C1006	03/10/22 10:26	03/11/22 04:26	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2C1006	03/10/22 10:26	03/11/22 04:26	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2C1006	03/10/22 10:26	03/11/22 04:26	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2C1006	03/10/22 10:26	03/11/22 04:26	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	89.2 %		80-120		P2C1006	03/10/22 10:26	03/11/22 04:26	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	93.3 %		80-120		P2C1006	03/10/22 10:26	03/11/22 04:26	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: 98-05
Project Number: TNM 98-05
Project Manager: Curt Stanley

MW-2
2C03003-02 (Water)

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

Organics by GC

Benzene	0.173	0.00100	mg/L	1	P2C1006	03/10/22 10:26	03/11/22 04:46	EPA 8021B	
Toluene	0.00564	0.00100	mg/L	1	P2C1006	03/10/22 10:26	03/11/22 04:46	EPA 8021B	
Ethylbenzene	0.00818	0.00100	mg/L	1	P2C1006	03/10/22 10:26	03/11/22 04:46	EPA 8021B	
Xylene (p/m)	0.0356	0.00200	mg/L	1	P2C1006	03/10/22 10:26	03/11/22 04:46	EPA 8021B	
Xylene (o)	0.00382	0.00100	mg/L	1	P2C1006	03/10/22 10:26	03/11/22 04:46	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	93.5 %		80-120		P2C1006	03/10/22 10:26	03/11/22 04:46	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	90.0 %		80-120		P2C1006	03/10/22 10:26	03/11/22 04:46	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05
Project Number: TNM 98-05
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
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Batch P2C1006 - General Preparation (GC)

Blank (P2C1006-BLK1)

Prepared: 03/10/22 Analyzed: 03/11/22

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.107		"	0.120		88.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		95.8	80-120			

LCS (P2C1006-BS1)

Prepared: 03/10/22 Analyzed: 03/11/22

Benzene	0.114	0.00100	mg/L	0.100		114	80-120			
Toluene	0.116	0.00100	"	0.100		116	80-120			
Ethylbenzene	0.108	0.00100	"	0.100		108	80-120			
Xylene (p/m)	0.233	0.00200	"	0.200		116	80-120			
Xylene (o)	0.110	0.00100	"	0.100		110	80-120			
Surrogate: 4-Bromofluorobenzene	0.114		"	0.120		94.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		95.6	80-120			

LCS Dup (P2C1006-BSD1)

Prepared: 03/10/22 Analyzed: 03/11/22

Benzene	0.117	0.00100	mg/L	0.100		117	80-120	3.00	20	
Toluene	0.119	0.00100	"	0.100		119	80-120	2.61	20	
Ethylbenzene	0.112	0.00100	"	0.100		112	80-120	3.49	20	
Xylene (p/m)	0.234	0.00200	"	0.200		117	80-120	0.330	20	
Xylene (o)	0.114	0.00100	"	0.100		114	80-120	4.03	20	
Surrogate: 4-Bromofluorobenzene	0.114		"	0.120		95.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.7	80-120			

Calibration Check (P2C1006-CCV1)

Prepared: 03/10/22 Analyzed: 03/11/22

Benzene	0.117	0.00100	mg/L	0.100		117	80-120			
Toluene	0.119	0.00100	"	0.100		119	80-120			
Ethylbenzene	0.117	0.00100	"	0.100		117	80-120			
Xylene (p/m)	0.240	0.00200	"	0.200		120	80-120			
Xylene (o)	0.115	0.00100	"	0.100		115	80-120			
Surrogate: 4-Bromofluorobenzene	0.108		"	0.120		90.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		95.6	80-120			

Permian Basin Environmental Lab, L.P.

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

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

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

Project: 98-05
Project Number: TNM 98-05
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
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Batch P2C1006 - General Preparation (GC)

Calibration Check (P2C1006-CCV2)

Prepared: 03/10/22 Analyzed: 03/11/22

Benzene	0.110	0.00100	mg/L	0.100		110	80-120			
Toluene	0.105	0.00100	"	0.100		105	80-120			
Ethylbenzene	0.103	0.00100	"	0.100		103	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	0.108		"	0.120		90.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.2	80-120			

Calibration Check (P2C1006-CCV3)

Prepared: 03/10/22 Analyzed: 03/11/22

Benzene	0.102	0.00100	mg/L	0.100		102	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)	0.215	0.00200	"	0.200		108	80-120			
Xylene (o)	0.101	0.00100	"	0.100		101	80-120			
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		95.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		94.6	80-120			

Matrix Spike (P2C1006-MS1)

Source: 2C03001-03

Prepared: 03/10/22 Analyzed: 03/11/22

Benzene	0.109	0.00100	mg/L	0.100	ND	109	80-120			
Toluene	0.110	0.00100	"	0.100	ND	110	80-120			
Ethylbenzene	0.117	0.00100	"	0.100	ND	117	80-120			
Xylene (p/m)	0.234	0.00200	"	0.200	ND	117	80-120			
Xylene (o)	0.107	0.00100	"	0.100	ND	107	80-120			
Surrogate: 4-Bromofluorobenzene	0.114		"	0.120		94.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		95.5	80-120			

Matrix Spike Dup (P2C1006-MSD1)

Source: 2C03001-03

Prepared: 03/10/22 Analyzed: 03/11/22

Benzene	0.116	0.00100	mg/L	0.100	ND	116	80-120	5.93	20	
Toluene	0.118	0.00100	"	0.100	ND	118	80-120	7.45	20	
Ethylbenzene	0.117	0.00100	"	0.100	ND	117	80-120	0.299	20	
Xylene (p/m)	0.236	0.00200	"	0.200	ND	118	80-120	0.718	20	
Xylene (o)	0.115	0.00100	"	0.100	ND	115	80-120	8.00	20	
Surrogate: 4-Bromofluorobenzene	0.118		"	0.120		98.5	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.2	80-120			

Permian Basin Environmental Lab, L.P.

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

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

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

Project: 98-05
Project Number: TNM 98-05
Project Manager: Curt Stanley

Notes and Definitions

ROI Received on Ice

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

NPBEL C Chain of Custody was not generated at PBELAB

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date: 3/14/2022

Brent Barron, Laboratory Director/Technical Director

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

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

Permian Basin Environmental Lab, L.P.

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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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PBB1A/B

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

Sample Receipt Checklist

	Yes	No	Notes
Chain of custody signed/dated?	☒	☐	
Chain of custody signed/dated/time when relinquished and received?	☒	☐	
Sampler's name present on COC for all samples?	☒	☐	
Custody seals intact on sample bottles?	☒	☐	
Sample containers intact?	☒	☐	
Custody seals intact on sample bottles?	☒	☐	
Samples in proper container/bottle?	☒	☐	
Custody seals intact on bottles?	☒	☐	
All samples received within holding time?	☒	☐	
Samples received within appropriate holding time?	☒	☐	
Analysis requested for all samples submitted?	☒	☐	
Samples maintained/cooled in good condition?	☒	☐	
Custody seals intact on shipping container/cooler?	☒	☐	

Login Notes:

VOA-HCLX3

20303

PBEL_SAMPLE_CHECKLIST_2021_1

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PRIVACY

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

SAMPLE VARIANCE/NON-CONFORMANCE

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

PBEL SAMPLE CHECKLIST 2021.1

Page 2 of 2

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



Analytical Report

Prepared for:

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Location: Lea County, NM
Lab Order Number: 2E27006



Current Certification

Report Date: 06/09/22

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Curt Stanley

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-3	2E27006-01	Water	05/26/22 11:38	05-27-2022 09:15
MW-5	2E27006-02	Water	05/26/22 12:35	05-27-2022 09:15
MW-6	2E27006-03	Water	05/26/22 13:55	05-27-2022 09:15
MW-12	2E27006-04	Water	05/26/22 14:50	05-27-2022 09:15
MW-10	2E27006-05	Water	05/26/22 15:38	05-27-2022 09:15
MW-13	2E27006-06	Water	05/26/22 16:35	05-27-2022 09:15

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Curt Stanley

MW-3
2E27006-01 (Water)

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

Organics by GC

Benzene	ND	0.00100	mg/L	1	P2F0204	06/02/22 09:58	06/02/22 19:10	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2F0204	06/02/22 09:58	06/02/22 19:10	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2F0204	06/02/22 09:58	06/02/22 19:10	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2F0204	06/02/22 09:58	06/02/22 19:10	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2F0204	06/02/22 09:58	06/02/22 19:10	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	101 %		80-120		P2F0204	06/02/22 09:58	06/02/22 19:10	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	95.3 %		80-120		P2F0204	06/02/22 09:58	06/02/22 19:10	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P2F0909	06/02/22 12:27	06/02/22 12:27	8015M	SUB-13
Ethene	0.00287	0.00100	mg/L	1	P2F0909	06/02/22 12:27	06/02/22 12:27	8015M	SUB-13
Methane	0.00228	0.000500	mg/L	1	P2F0909	06/02/22 12:27	06/02/22 12:27	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	10.0	mg/L	1	P2F0201	06/02/22 07:30	06/02/22 15:40	8000	QAL1
Nitrate as N	0.771	0.200	mg/L	1	P2E2704	05/27/22 10:44	05/27/22 12:27	EPA 300.0	
Sulfate	181	10.0	mg/L	10	P2E2704	05/27/22 10:44	05/31/22 08:45	EPA 300.0	
Total Organic Carbon	2.60	1.00	mg/L	1	P2F0909	06/09/22 04:19	06/09/22 04:19	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P2F0205	06/02/22 10:04	06/02/22 13:31	EPA 6010B	QAL1
Manganese	ND	0.100	mg/L	1	P2F0205	06/02/22 10:04	06/02/22 13:31	EPA 6010B	QAL1

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Curt Stanley

MW-5
2E27006-02 (Water)

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

Organics by GC

Benzene	ND	0.00100	mg/L	1	P2F0204	06/02/22 09:58	06/02/22 19:31	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2F0204	06/02/22 09:58	06/02/22 19:31	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2F0204	06/02/22 09:58	06/02/22 19:31	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2F0204	06/02/22 09:58	06/02/22 19:31	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2F0204	06/02/22 09:58	06/02/22 19:31	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	102 %		80-120		P2F0204	06/02/22 09:58	06/02/22 19:31	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	95.3 %		80-120		P2F0204	06/02/22 09:58	06/02/22 19:31	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P2F0909	06/02/22 12:27	06/02/22 12:45	8015M	SUB-13
Ethene	0.00231	0.00100	mg/L	1	P2F0909	06/02/22 12:27	06/02/22 12:45	8015M	SUB-13
Methane	0.00140	0.000500	mg/L	1	P2F0909	06/02/22 12:27	06/02/22 12:45	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	10.0	mg/L	1	P2F0201	06/02/22 07:30	06/02/22 15:40	8000	QAL1
Nitrate as N	0.649	0.200	mg/L	1	P2E2704	05/27/22 10:44	05/27/22 13:24	EPA 300.0	
Sulfate	182	10.0	mg/L	10	P2E2704	05/27/22 10:44	05/31/22 09:04	EPA 300.0	
Total Organic Carbon	1.77	1.00	mg/L	1	P2F0909	06/09/22 04:33	06/09/22 04:33	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P2F0205	06/02/22 10:04	06/02/22 13:34	EPA 6010B	QAL1
Manganese	ND	0.100	mg/L	1	P2F0205	06/02/22 10:04	06/02/22 13:34	EPA 6010B	QAL1

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Curt Stanley

MW-6
2E27006-03 (Water)

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

Organics by GC

Benzene	ND	0.00100	mg/L	1	P2F0204	06/02/22 09:58	06/02/22 19:53	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2F0204	06/02/22 09:58	06/02/22 19:53	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2F0204	06/02/22 09:58	06/02/22 19:53	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2F0204	06/02/22 09:58	06/02/22 19:53	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2F0204	06/02/22 09:58	06/02/22 19:53	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	98.1 %		80-120		P2F0204	06/02/22 09:58	06/02/22 19:53	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	94.5 %		80-120		P2F0204	06/02/22 09:58	06/02/22 19:53	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P2F0909	06/02/22 12:27	06/02/22 12:58	8015M	SUB-13
Ethene	0.00160	0.00100	mg/L	1	P2F0909	06/02/22 12:27	06/02/22 12:58	8015M	SUB-13
Methane	0.0613	0.00200	mg/L	4	P2F0909	06/02/22 12:27	06/02/22 13:38	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	10.0	mg/L	1	P2F0201	06/02/22 07:30	06/02/22 15:40	8000	QAL1
Nitrate as N	41.2	0.200	mg/L	1	P2E2704	05/27/22 10:44	05/27/22 13:43	EPA 300.0	
Sulfate	256	10.0	mg/L	10	P2E2704	05/27/22 10:44	05/31/22 09:23	EPA 300.0	
Total Organic Carbon	4.41	1.00	mg/L	1	P2F0909	06/09/22 05:49	06/09/22 05:49	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P2F0205	06/02/22 10:04	06/02/22 13:37	EPA 6010B	QAL1
Manganese	0.0112	0.100	mg/L	1	P2F0205	06/02/22 10:04	06/02/22 13:37	EPA 6010B	QAL1, J

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Curt Stanley

MW-12
2E27006-04 (Water)

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

Organics by GC

Benzene	ND	0.00100	mg/L	1	P2F0204	06/02/22 09:58	06/02/22 20:14	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2F0204	06/02/22 09:58	06/02/22 20:14	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2F0204	06/02/22 09:58	06/02/22 20:14	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2F0204	06/02/22 09:58	06/02/22 20:14	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2F0204	06/02/22 09:58	06/02/22 20:14	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	101 %	80-120			P2F0204	06/02/22 09:58	06/02/22 20:14	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	95.2 %	80-120			P2F0204	06/02/22 09:58	06/02/22 20:14	EPA 8021B	
Ethane	0.00146	0.00100	mg/L	1	P2F0909	06/02/22 12:27	06/02/22 13:12	8015M	SUB-13
Ethene	0.00288	0.00100	mg/L	1	P2F0909	06/02/22 12:27	06/02/22 13:12	8015M	SUB-13
Methane	0.260	0.0125	mg/L	25	P2F0909	06/02/22 12:27	06/02/22 13:47	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	10.0	mg/L	1	P2F0201	06/02/22 07:30	06/02/22 15:40	8000	QAL1
Nitrate as N	ND	0.200	mg/L	1	P2E2704	05/27/22 10:44	05/27/22 14:02	EPA 300.0	
Sulfate	139	10.0	mg/L	10	P2E2704	05/27/22 10:44	05/31/22 09:42	EPA 300.0	
Total Organic Carbon	2.91	1.00	mg/L	1	P2F0909	06/09/22 06:03	06/09/22 06:03	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P2F0205	06/02/22 10:04	06/02/22 13:41	EPA 6010B	QAL1
Manganese	0.0273	0.100	mg/L	1	P2F0205	06/02/22 10:04	06/02/22 13:41	EPA 6010B	QAL1, J

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Curt Stanley

MW-10
2E27006-05 (Water)

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

Organics by GC

Benzene	0.0302	0.00100	mg/L	1	P2F0204	06/02/22 09:58	06/03/22 09:40	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2F0204	06/02/22 09:58	06/03/22 09:40	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2F0204	06/02/22 09:58	06/03/22 09:40	EPA 8021B	
Xylene (p/m)	0.00301	0.00200	mg/L	1	P2F0204	06/02/22 09:58	06/03/22 09:40	EPA 8021B	
Xylene (o)	0.00108	0.00100	mg/L	1	P2F0204	06/02/22 09:58	06/03/22 09:40	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	103 %	80-120			P2F0204	06/02/22 09:58	06/03/22 09:40	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	94.4 %	80-120			P2F0204	06/02/22 09:58	06/03/22 09:40	EPA 8021B	
Ethane	0.0138	0.00100	mg/L	1	P2F0909	06/02/22 12:27	06/02/22 13:25	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2F0909	06/02/22 12:27	06/02/22 13:25	8015M	SUB-13
Methane	0.909	0.0500	mg/L	100	P2F0909	06/02/22 12:27	06/02/22 13:55	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	11.0	10.0	mg/L	1	P2F0201	06/02/22 07:30	06/02/22 15:40	8000	QAL1
Nitrate as N	ND	0.200	mg/L	1	P2E2704	05/27/22 10:44	05/27/22 14:21	EPA 300.0	
Sulfate	54.3	1.00	mg/L	1	P2E2704	05/27/22 10:44	05/27/22 14:21	EPA 300.0	
Total Organic Carbon	5.56	1.00	mg/L	1	P2F0909	06/09/22 06:18	06/09/22 06:18	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P2F0205	06/02/22 10:04	06/02/22 13:44	EPA 6010B	QAL1
Manganese	0.164	0.100	mg/L	1	P2F0205	06/02/22 10:04	06/02/22 13:44	EPA 6010B	QAL1

Permian Basin Environmental Lab, L.P.

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

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Curt Stanley

MW-13
2E27006-06 (Water)

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

Organics by GC

Benzene	1.95	0.00500	mg/L	5	P2F0204	06/02/22 09:58	06/02/22 20:56	EPA 8021B	
Toluene	0.00132	0.00100	mg/L	1	P2F0204	06/02/22 09:58	06/03/22 10:02	EPA 8021B	
Ethylbenzene	0.0166	0.00100	mg/L	1	P2F0204	06/02/22 09:58	06/03/22 10:02	EPA 8021B	
Xylene (p/m)	0.00951	0.00200	mg/L	1	P2F0204	06/02/22 09:58	06/03/22 10:02	EPA 8021B	
Xylene (o)	0.00318	0.00100	mg/L	1	P2F0204	06/02/22 09:58	06/03/22 10:02	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>102 %</i>	<i>80-120</i>			<i>P2F0204</i>	<i>06/02/22 09:58</i>	<i>06/03/22 10:02</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>99.3 %</i>	<i>80-120</i>			<i>P2F0204</i>	<i>06/02/22 09:58</i>	<i>06/03/22 10:02</i>	<i>EPA 8021B</i>	
Ethane	0.00835	0.00100	mg/L	1	P2F0909	06/02/22 12:27	06/02/22 14:07	8015M	SUB-13
Ethene	0.0171	0.00100	mg/L	1	P2F0909	06/02/22 12:27	06/02/22 14:07	8015M	SUB-13
Methane	1.30	0.0100	mg/L	100	P2F0909	06/02/22 12:27	06/02/22 14:15	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	17.0	10.0	mg/L	1	P2F0201	06/02/22 07:30	06/02/22 15:40	8000	QAL1
Nitrate as N	ND	0.200	mg/L	1	P2E2704	05/27/22 10:44	05/27/22 14:40	EPA 300.0	
Sulfate	67.4	1.00	mg/L	1	P2E2704	05/27/22 10:44	05/27/22 14:40	EPA 300.0	
Total Organic Carbon	6.20	1.00	mg/L	1	P2F0909	06/09/22 06:32	06/09/22 06:32	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P2F0205	06/02/22 10:04	06/02/22 13:47	EPA 6010B	QAL1
Manganese	0.115	0.100	mg/L	1	P2F0205	06/02/22 10:04	06/02/22 13:47	EPA 6010B	QAL1

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
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
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Batch P2F0204 - General Preparation (GC)

Blank (P2F0204-BLK1)

Prepared & Analyzed: 06/02/22

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	0.119		"	0.120		99.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.3	80-120			

LCS (P2F0204-BS1)

Prepared & Analyzed: 06/02/22

Benzene	0.0919	0.00100	mg/L	0.100		91.9	80-120			
Toluene	0.0953	0.00100	"	0.100		95.3	80-120			
Ethylbenzene	0.107	0.00100	"	0.100		107	80-120			
Xylene (p/m)	0.205	0.00200	"	0.200		103	80-120			
Xylene (o)	0.100	0.00100	"	0.100		100	80-120			
Surrogate: 4-Bromofluorobenzene	0.125		"	0.120		104	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.0	80-120			

LCS Dup (P2F0204-BSD1)

Prepared & Analyzed: 06/02/22

Benzene	0.0986	0.00100	mg/L	0.100		98.6	80-120	7.07	20	
Toluene	0.102	0.00100	"	0.100		102	80-120	7.22	20	
Ethylbenzene	0.116	0.00100	"	0.100		116	80-120	7.91	20	
Xylene (p/m)	0.221	0.00200	"	0.200		110	80-120	7.38	20	
Xylene (o)	0.108	0.00100	"	0.100		108	80-120	7.34	20	
Surrogate: 4-Bromofluorobenzene	0.127		"	0.120		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.8	80-120			

Calibration Blank (P2F0204-CCB1)

Prepared & Analyzed: 06/02/22

Benzene	0.410		ug/l							
Toluene	0.240		"							
Ethylbenzene	0.370		"							
Xylene (p/m)	0.770		"							
Xylene (o)	0.480		"							
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.113		"	0.120		94.6	80-120			

Permian Basin Environmental Lab, L.P.

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
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
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Batch P2F0204 - General Preparation (GC)

Calibration Blank (P2F0204-CCB2)

Prepared & Analyzed: 06/02/22

Benzene	0.340		ug/l							
Toluene	0.420		"							
Ethylbenzene	0.450		"							
Xylene (p/m)	0.970		"							
Xylene (o)	0.410		"							
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		99.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		94.9	80-120			

Calibration Check (P2F0204-CCV1)

Prepared & Analyzed: 06/02/22

Benzene	0.0999	0.00100	mg/L	0.102		98.0	80-120			
Toluene	0.104	0.00100	"	0.102		102	80-120			
Ethylbenzene	0.108	0.00100	"	0.102		106	80-120			
Xylene (p/m)	0.218	0.00200	"	0.204		107	80-120			
Xylene (o)	0.108	0.00100	"	0.102		106	80-120			
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		103	80-120			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		96.2	80-120			

Calibration Check (P2F0204-CCV2)

Prepared & Analyzed: 06/02/22

Benzene	0.0957	0.00100	mg/L	0.102		93.8	80-120			
Toluene	0.0979	0.00100	"	0.102		96.0	80-120			
Ethylbenzene	0.101	0.00100	"	0.102		98.8	80-120			
Xylene (p/m)	0.203	0.00200	"	0.204		99.7	80-120			
Xylene (o)	0.102	0.00100	"	0.102		99.7	80-120			
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.0	80-120			

Calibration Check (P2F0204-CCV3)

Prepared: 06/02/22 Analyzed: 06/03/22

Benzene	0.102	0.00100	mg/L	0.102		99.5	80-120			
Toluene	0.103	0.00100	"	0.102		101	80-120			
Ethylbenzene	0.108	0.00100	"	0.102		106	80-120			
Xylene (p/m)	0.217	0.00200	"	0.204		106	80-120			
Xylene (o)	0.108	0.00100	"	0.102		105	80-120			
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		103	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		94.8	80-120			

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
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
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Batch P2F0204 - General Preparation (GC)

Matrix Spike (P2F0204-MS1)

Source: 2E27006-01

Prepared: 06/02/22 Analyzed: 06/03/22

Benzene	0.113	0.00100	mg/L	0.100	ND	113	80-120			
Toluene	0.115	0.00100	"	0.100	ND	115	80-120			
Ethylbenzene	0.130	0.00100	"	0.100	ND	130	80-120			
Xylene (p/m)	0.244	0.00200	"	0.200	ND	122	80-120			
Xylene (o)	0.119	0.00100	"	0.100	ND	119	80-120			
Surrogate: 4-Bromofluorobenzene	0.126		"	0.120		105	80-120			
Surrogate: 1,4-Difluorobenzene	0.113		"	0.120		94.5	80-120			

Matrix Spike Dup (P2F0204-MSD1)

Source: 2E27006-01

Prepared: 06/02/22 Analyzed: 06/03/22

Benzene	0.104	0.00100	mg/L	0.100	ND	104	80-120	8.38	20	
Toluene	0.106	0.00100	"	0.100	ND	106	80-120	8.23	20	
Ethylbenzene	0.120	0.00100	"	0.100	ND	120	80-120	8.22	20	
Xylene (p/m)	0.225	0.00200	"	0.200	ND	113	80-120	7.89	20	
Xylene (o)	0.110	0.00100	"	0.100	ND	110	80-120	7.98	20	
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		94.7	80-120			

Permian Basin Environmental Lab, L.P.

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
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
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Batch P2E2704 - * DEFAULT PREP *****

Blank (P2E2704-BLK1)

Prepared & Analyzed: 05/27/22

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

LCS (P2E2704-BS1)

Prepared & Analyzed: 05/27/22

Sulfate	42.2		mg/L	40.0		106	90-110			
Nitrate as N	8.36		"	8.00		104	90-110			

LCS Dup (P2E2704-BSD1)

Prepared & Analyzed: 05/27/22

Nitrate as N	8.34		mg/L	8.00		104	90-110	0.204	10	
Sulfate	42.0		"	40.0		105	90-110	0.368	10	

Calibration Blank (P2E2704-CCB1)

Prepared & Analyzed: 05/27/22

Sulfate	0.00		mg/L							
Nitrate as N	0.00		"							

Calibration Check (P2E2704-CCV1)

Prepared: 05/27/22 Analyzed: 05/31/22

Sulfate	22.0		mg/L	20.0		110	90-110			
Nitrate as N	1.91		"	2.00		95.5	90-110			

Calibration Check (P2E2704-CCV2)

Prepared: 05/27/22 Analyzed: 05/31/22

Sulfate	21.9		mg/L	20.0		109	90-110			
Nitrate as N	1.90		"	2.00		94.9	90-110			

Matrix Spike (P2E2704-MS1)

Source: 2E27006-01

Prepared & Analyzed: 05/27/22

Nitrate as N	1.77	0.200	mg/L	5.00	0.771	20.0	80-120			QM-05
Sulfate	186	1.00	"	25.0	181	21.5	80-120			QM-05

Matrix Spike Dup (P2E2704-MSD1)

Source: 2E27006-01

Prepared & Analyzed: 05/27/22

Nitrate as N	1.75	0.200	mg/L	5.00	0.771	19.6	80-120	1.08	20	QM-05
Sulfate	186	1.00	"	25.0	181	20.2	80-120	0.181	20	QM-05

Permian Basin Environmental Lab, L.P.

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
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 P2F0201 - *** DEFAULT PREP ***										
Blank (P2F0201-BLK1)				Prepared & Analyzed: 06/02/22						
Chemical Oxygen Demand	ND	10.0	mg/L							QAL1
Blank (P2F0201-BLK2)				Prepared & Analyzed: 06/02/22						
Chemical Oxygen Demand	ND	10.0	mg/L							QAL1
LCS (P2F0201-BS1)				Prepared & Analyzed: 06/02/22						
Chemical Oxygen Demand	95.0	10.0	mg/L	100		95.0	80-120			QAL1
LCS (P2F0201-BS2)				Prepared & Analyzed: 06/02/22						
Chemical Oxygen Demand	1070	10.0	mg/L	1000		107	80-120			QAL1
LCS Dup (P2F0201-BSD1)				Prepared & Analyzed: 06/02/22						
Chemical Oxygen Demand	101	10.0	mg/L	100		101	80-120	6.12	20	QAL1
LCS Dup (P2F0201-BSD2)				Prepared & Analyzed: 06/02/22						
Chemical Oxygen Demand	1110	10.0	mg/L	1000		111	80-120	3.85	20	QAL1
Calibration Check (P2F0201-CCV1)				Prepared & Analyzed: 06/02/22						
Chemical Oxygen Demand	98.0	10.0	mg/L	100		98.0	80-120			QAL1
Calibration Check (P2F0201-CCV2)				Prepared & Analyzed: 06/02/22						
Chemical Oxygen Demand	1150	10.0	mg/L	1000		115	80-120			QAL1
Duplicate (P2F0201-DUP1)				Source: 2E27006-01		Prepared & Analyzed: 06/02/22				
Chemical Oxygen Demand	ND	10.0	mg/L		ND				20	QAL1
Duplicate (P2F0201-DUP2)				Source: 2E26001-01		Prepared & Analyzed: 06/02/22				
Chemical Oxygen Demand	4480	10.0	mg/L		4690			4.58	20	QAL1

Permian Basin Environmental Lab, L.P.

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
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
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Batch P2F0201 - * DEFAULT PREP *****

Matrix Spike (P2F0201-MS1)		Source: 2E27006-01		Prepared & Analyzed: 06/02/22						
Chemical Oxygen Demand	108	10.0	mg/L	100	ND	108	80-120			QAL1
Matrix Spike (P2F0201-MS2)		Source: 2E26001-01		Prepared & Analyzed: 06/02/22						
Chemical Oxygen Demand	12000	10.0	mg/L	10000	4690	73.0	80-120			QAL1, QM-05
Matrix Spike Dup (P2F0201-MSD1)		Source: 2E27006-01		Prepared & Analyzed: 06/02/22						
Chemical Oxygen Demand	108	10.0	mg/L	100	ND	108	80-120	0.00	20	QAL1
Matrix Spike Dup (P2F0201-MSD2)		Source: 2E26001-01		Prepared & Analyzed: 06/02/22						
Chemical Oxygen Demand	21200	10.0	mg/L	10000	4690	165	80-120	55.6	20	QAL1, QM-05

Permian Basin Environmental Lab, L.P.

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
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 P2F0205 - *** DEFAULT PREP ***										
Blank (P2F0205-BLK1)				Prepared & Analyzed: 06/02/22						
Iron	ND	0.200	mg/L							QAL1
Manganese	0.000427	0.100	"							QAL1, J
LCS (P2F0205-BS1)				Prepared & Analyzed: 06/02/22						
Iron	0.427	0.200	mg/L	0.400		107	80-120			QAL1
Manganese	0.200	0.100	"	0.200		100	80-120			QAL1
LCS Dup (P2F0205-BSD1)				Prepared & Analyzed: 06/02/22						
Manganese	0.198	0.100	mg/L	0.200		99.0	80-120	1.09	20	QAL1
Iron	0.433	0.200	"	0.400		108	80-120	1.29	20	QAL1
Calibration Blank (P2F0205-CCB1)				Prepared & Analyzed: 06/02/22						
Manganese	-0.00348		mg/L							QAL1
Iron	-0.00452		"							QAL1
Calibration Blank (P2F0205-CCB2)				Prepared & Analyzed: 06/02/22						
Iron	-0.00422		mg/L							QAL1
Manganese	-0.00363		"							QAL1
Calibration Blank (P2F0205-CCB3)				Prepared & Analyzed: 06/02/22						
Iron	-0.00410		mg/L							QAL1
Manganese	-0.00345		"							QAL1
Calibration Check (P2F0205-CCV1)				Prepared & Analyzed: 06/02/22						
Iron	0.414	0.200	mg/L	0.400		103	80-120			QAL1
Manganese	0.203	0.100	"	0.200		102	80-120			QAL1
Calibration Check (P2F0205-CCV2)				Prepared & Analyzed: 06/02/22						
Iron	0.444	0.200	mg/L	0.400		111	80-120			QAL1
Manganese	0.193	0.100	"	0.200		96.5	80-120			QAL1

Permian Basin Environmental Lab, L.P.

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
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
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Batch P2F0205 - * DEFAULT PREP *****

Calibration Check (P2F0205-CCV3)

Prepared & Analyzed: 06/02/22

Iron	0.437	0.200	mg/L	0.400		109	80-120			QAL1
Manganese	0.185	0.100	"	0.200		92.5	80-120			QAL1

Matrix Spike (P2F0205-MS1)

Source: 2E27006-01

Prepared & Analyzed: 06/02/22

Iron	0.443	0.200	mg/L	0.400	ND	111	75-125			QAL1
Manganese	0.187	0.100	"	0.200	ND	93.7	75-125			QAL1

Matrix Spike Dup (P2F0205-MSD1)

Source: 2E27006-01

Prepared & Analyzed: 06/02/22

Manganese	0.179	0.100	mg/L	0.200	ND	89.3	75-125	4.80	20	QAL1
Iron	0.420	0.200	"	0.400	ND	105	75-125	5.21	20	QAL1

Permian Basin Environmental Lab, L.P.

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TRC Solutions- Midland, Texas
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Midland TX, 79705

Project: 98-05A_MNA
Project Number: TNM 98-05A
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:



Date:

6/9/2022

Brent Barron, Laboratory Director/Technical Director

Permian Basin Environmental Lab, L.P.

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TRC Solutions- Midland, Texas
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Midland TX, 79705

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Curt Stanley

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

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



CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-661-4184

Page 2 of 2

Project Manager: Curt Stanley

Company Name TRC Environmental Corporation

Company Address: 10 Desta Drive, Ste 130E

City/State/Zip: Midland/TX/79703

Telephone No: (432)5207720

Sampler Signature:

Fax No:

e-mail: castanley@ircsolutions.com
cibruvant@ihsaah.com

cjbryant@paalp.com
khuddgens@paalp.com

Report Format:

☒ Standard

☐ TRRP

☐ NPDES

Project Loc: Lea County, New Mexico

Project #: TNM 98-05A

Project Name: 98-05A

Page 19 of 20

[illegible]



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

Sample Receipt Checklist

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

Login Notes:

Asorted Poly
Hel Vea

2021006

PBEL_SAMPLE_CHECKLIST_2021_1

Page 1 of 2



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

SAMPLE VARIANCE/NON-CONFORMANCE

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

PBEL_SAMPLE_CHECKLIST_2021_1

Page 2 of 2

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



Analytical Report

Prepared for:

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

Project: 98-05
Project Number: TNM 98-05
Location: Lea County, New Mexico
Lab Order Number: 2E27007



Current Certification

Report Date: 06/07/22

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

Project: 98-05
Project Number: TNM 98-05
Project Manager: Curt Stanley

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	2E27007-01	Water	05/25/22 14:45	05-27-2022 09:05
MW-2	2E27007-02	Water	05/25/22 15:20	05-27-2022 09:05

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

Project: 98-05
Project Number: TNM 98-05
Project Manager: Curt Stanley

MW-1
2E27007-01 (Water)

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

Organics by GC

Benzene	0.0282	0.00100	mg/L	1	P2F0204	06/02/22 09:58	06/02/22 21:18	EPA 8021B	
Toluene	0.00600	0.00100	mg/L	1	P2F0204	06/02/22 09:58	06/02/22 21:18	EPA 8021B	
Ethylbenzene	0.00470	0.00100	mg/L	1	P2F0204	06/02/22 09:58	06/02/22 21:18	EPA 8021B	
Xylene (p/m)	0.0148	0.00200	mg/L	1	P2F0204	06/02/22 09:58	06/02/22 21:18	EPA 8021B	
Xylene (o)	0.00800	0.00100	mg/L	1	P2F0204	06/02/22 09:58	06/02/22 21:18	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	111 %		80-120		P2F0204	06/02/22 09:58	06/02/22 21:18	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	87.5 %		80-120		P2F0204	06/02/22 09:58	06/02/22 21:18	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05
Project Number: TNM 98-05
Project Manager: Curt Stanley

MW-2
2E27007-02 (Water)

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

Organics by GC

Benzene	0.130	0.00100	mg/L	1	P2F0204	06/02/22 09:58	06/02/22 21:39	EPA 8021B	
Toluene	0.00651	0.00100	mg/L	1	P2F0204	06/02/22 09:58	06/02/22 21:39	EPA 8021B	
Ethylbenzene	0.0102	0.00100	mg/L	1	P2F0204	06/02/22 09:58	06/02/22 21:39	EPA 8021B	
Xylene (p/m)	0.0388	0.00200	mg/L	1	P2F0204	06/02/22 09:58	06/02/22 21:39	EPA 8021B	
Xylene (o)	0.00544	0.00100	mg/L	1	P2F0204	06/02/22 09:58	06/02/22 21:39	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	107 %	80-120			P2F0204	06/02/22 09:58	06/02/22 21:39	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	89.1 %	80-120			P2F0204	06/02/22 09:58	06/02/22 21:39	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05
Project Number: TNM 98-05
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
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Batch P2F0204 - General Preparation (GC)

Blank (P2F0204-BLK1)

Prepared & Analyzed: 06/02/22

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	0.119		"	0.120		99.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.3	80-120			

LCS (P2F0204-BS1)

Prepared & Analyzed: 06/02/22

Benzene	0.0919	0.00100	mg/L	0.100		91.9	80-120			
Toluene	0.0953	0.00100	"	0.100		95.3	80-120			
Ethylbenzene	0.107	0.00100	"	0.100		107	80-120			
Xylene (p/m)	0.205	0.00200	"	0.200		103	80-120			
Xylene (o)	0.100	0.00100	"	0.100		100	80-120			
Surrogate: 4-Bromofluorobenzene	0.125		"	0.120		104	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.0	80-120			

LCS Dup (P2F0204-BSD1)

Prepared & Analyzed: 06/02/22

Benzene	0.0986	0.00100	mg/L	0.100		98.6	80-120	7.07	20	
Toluene	0.102	0.00100	"	0.100		102	80-120	7.22	20	
Ethylbenzene	0.116	0.00100	"	0.100		116	80-120	7.91	20	
Xylene (p/m)	0.221	0.00200	"	0.200		110	80-120	7.38	20	
Xylene (o)	0.108	0.00100	"	0.100		108	80-120	7.34	20	
Surrogate: 4-Bromofluorobenzene	0.127		"	0.120		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.8	80-120			

Calibration Blank (P2F0204-CCB1)

Prepared & Analyzed: 06/02/22

Benzene	0.410		ug/l							
Toluene	0.240		"							
Ethylbenzene	0.370		"							
Xylene (p/m)	0.770		"							
Xylene (o)	0.480		"							
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.113		"	0.120		94.6	80-120			

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05
Project Number: TNM 98-05
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
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Batch P2F0204 - General Preparation (GC)

Calibration Blank (P2F0204-CCB2)

Prepared & Analyzed: 06/02/22

Benzene	0.340		ug/l							
Toluene	0.420		"							
Ethylbenzene	0.450		"							
Xylene (p/m)	0.970		"							
Xylene (o)	0.410		"							
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		99.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		94.9	80-120			

Calibration Check (P2F0204-CCV1)

Prepared & Analyzed: 06/02/22

Benzene	0.0999	0.00100	mg/L	0.102		98.0	80-120			
Toluene	0.104	0.00100	"	0.102		102	80-120			
Ethylbenzene	0.108	0.00100	"	0.102		106	80-120			
Xylene (p/m)	0.218	0.00200	"	0.204		107	80-120			
Xylene (o)	0.108	0.00100	"	0.102		106	80-120			
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		103	80-120			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		96.2	80-120			

Calibration Check (P2F0204-CCV2)

Prepared & Analyzed: 06/02/22

Benzene	0.0957	0.00100	mg/L	0.102		93.8	80-120			
Toluene	0.0979	0.00100	"	0.102		96.0	80-120			
Ethylbenzene	0.101	0.00100	"	0.102		98.8	80-120			
Xylene (p/m)	0.203	0.00200	"	0.204		99.7	80-120			
Xylene (o)	0.102	0.00100	"	0.102		99.7	80-120			
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.0	80-120			

Calibration Check (P2F0204-CCV3)

Prepared: 06/02/22 Analyzed: 06/03/22

Benzene	0.102	0.00100	mg/L	0.102		99.5	80-120			
Toluene	0.103	0.00100	"	0.102		101	80-120			
Ethylbenzene	0.108	0.00100	"	0.102		106	80-120			
Xylene (p/m)	0.217	0.00200	"	0.204		106	80-120			
Xylene (o)	0.108	0.00100	"	0.102		105	80-120			
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		103	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		94.8	80-120			

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05
Project Number: TNM 98-05
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
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Batch P2F0204 - General Preparation (GC)

Matrix Spike (P2F0204-MS1)

Source: 2E27006-01

Prepared: 06/02/22 Analyzed: 06/03/22

Benzene	0.113	0.00100	mg/L	0.100	ND	113	80-120			
Toluene	0.115	0.00100	"	0.100	ND	115	80-120			
Ethylbenzene	0.130	0.00100	"	0.100	ND	130	80-120			
Xylene (p/m)	0.244	0.00200	"	0.200	ND	122	80-120			
Xylene (o)	0.119	0.00100	"	0.100	ND	119	80-120			
Surrogate: 4-Bromofluorobenzene	0.126		"	0.120		105	80-120			
Surrogate: 1,4-Difluorobenzene	0.113		"	0.120		94.5	80-120			

Matrix Spike Dup (P2F0204-MSD1)

Source: 2E27006-01

Prepared: 06/02/22 Analyzed: 06/03/22

Benzene	0.104	0.00100	mg/L	0.100	ND	104	80-120	8.38	20	
Toluene	0.106	0.00100	"	0.100	ND	106	80-120	8.23	20	
Ethylbenzene	0.120	0.00100	"	0.100	ND	120	80-120	8.22	20	
Xylene (p/m)	0.225	0.00200	"	0.200	ND	113	80-120	7.89	20	
Xylene (o)	0.110	0.00100	"	0.100	ND	110	80-120	7.98	20	
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		94.7	80-120			

Permian Basin Environmental Lab, L.P.

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

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

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

Project: 98-05
Project Number: TNM 98-05
Project Manager: Curt Stanley

Notes and Definitions

ROI Received on Ice

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

NPBEL C Chain of Custody was not generated at PBELAB

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By: _____



Date: 6/7/2022

Brent Barron, Laboratory Director/Technical Director

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

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

Permian Basin Environmental Lab, L.P.

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



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



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

Sample Receipt Checklist

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

Login Notes:
Yoa Uals
2627007

SAMPLE VARIANCE/NON-CONFORMANCE

Variance/Discrepancy:
to

Resolution:

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

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



Analytical Report

Prepared for:

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Location: Lea County, NM
Lab Order Number: 2114002



Current Certification

Report Date: 09/27/22

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Curt Stanley

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-3	2I14002-01	Water	09/13/22 12:00	09-14-2022 08:35
MW-5	2I14002-02	Water	09/13/22 13:10	09-14-2022 08:35
MW-6	2I14002-03	Water	09/13/22 14:30	09-14-2022 08:35
MW-12	2I14002-04	Water	09/13/22 15:40	09-14-2022 08:35
MW-10	2I14002-05	Water	09/13/22 16:22	09-14-2022 08:35
MW-13	2I14002-06	Water	09/13/22 17:01	09-14-2022 08:35

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

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Curt Stanley

MW-3
2114002-01 (Water)

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

Organics by GC

Benzene	ND	0.00100	mg/L	1	P211509	09/15/22 15:07	09/15/22 20:18	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P211509	09/15/22 15:07	09/15/22 20:18	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P211509	09/15/22 15:07	09/15/22 20:18	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P211509	09/15/22 15:07	09/15/22 20:18	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P211509	09/15/22 15:07	09/15/22 20:18	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	87.6 %		80-120		P211509	09/15/22 15:07	09/15/22 20:18	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.7 %		80-120		P211509	09/15/22 15:07	09/15/22 20:18	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P212702	09/16/22 11:51	09/16/22 11:51	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P212702	09/16/22 11:51	09/16/22 11:51	8015M	SUB-13
Methane	0.000729	0.000500	mg/L	1	P212702	09/16/22 11:51	09/16/22 11:51	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	10.0	mg/L	1	P211507	09/15/22 14:17	09/16/22 08:41	8000	QAL1
Nitrate as N	ND	1.00	mg/L	5	P211408	09/14/22 14:37	09/14/22 20:00	EPA 300.0	
Sulfate	86.7	5.00	mg/L	5	P211408	09/14/22 14:37	09/14/22 20:00	EPA 300.0	
Total Organic Carbon	1.47	1.00	mg/L	1	P212702	09/21/22 14:35	09/21/22 14:35	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P212704	09/27/22 10:18	09/27/22 12:11	EPA 6010B	QAL1
Manganese	0.00288	0.100	mg/L	1	P212704	09/27/22 10:18	09/27/22 12:11	EPA 6010B	QAL1, J

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Curt Stanley

MW-5
2114002-02 (Water)

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

Organics by GC

Benzene	ND	0.00100	mg/L	1	P211509	09/15/22 15:07	09/15/22 20:39	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P211509	09/15/22 15:07	09/15/22 20:39	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P211509	09/15/22 15:07	09/15/22 20:39	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P211509	09/15/22 15:07	09/15/22 20:39	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P211509	09/15/22 15:07	09/15/22 20:39	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	95.8 %		80-120		P211509	09/15/22 15:07	09/15/22 20:39	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	100 %		80-120		P211509	09/15/22 15:07	09/15/22 20:39	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P212702	09/16/22 11:51	09/16/22 12:02	8015M	SUB-13
Ethene	0.00134	0.00100	mg/L	1	P212702	09/16/22 11:51	09/16/22 12:02	8015M	SUB-13
Methane	0.00103	0.000500	mg/L	1	P212702	09/16/22 11:51	09/16/22 12:02	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	10.0	mg/L	1	P211507	09/15/22 14:17	09/16/22 08:41	8000	QAL1
Nitrate as N	1.20	1.00	mg/L	5	P211408	09/14/22 14:37	09/14/22 20:54	EPA 300.0	
Sulfate	189	5.00	mg/L	5	P211408	09/14/22 14:37	09/14/22 20:54	EPA 300.0	
Total Organic Carbon	1.28	1.00	mg/L	1	P212702	09/21/22 14:35	09/21/22 14:54	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	0.355	0.200	mg/L	1	P212704	09/27/22 10:18	09/27/22 12:14	EPA 6010B	QAL1
Manganese	0.0173	0.100	mg/L	1	P212704	09/27/22 10:18	09/27/22 12:14	EPA 6010B	QAL1, J

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Curt Stanley

MW-6
2114002-03 (Water)

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

Organics by GC

Benzene	ND	0.00100	mg/L	1	P211509	09/15/22 15:07	09/15/22 21:00	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P211509	09/15/22 15:07	09/15/22 21:00	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P211509	09/15/22 15:07	09/15/22 21:00	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P211509	09/15/22 15:07	09/15/22 21:00	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P211509	09/15/22 15:07	09/15/22 21:00	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	92.3 %		80-120		P211509	09/15/22 15:07	09/15/22 21:00	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	98.9 %		80-120		P211509	09/15/22 15:07	09/15/22 21:00	EPA 8021B	
Ethane	0.00181	0.00100	mg/L	1	P212702	09/16/22 11:51	09/16/22 12:15	8015M	SUB-13
Ethene	0.00582	0.00400	mg/L	1	P212702	09/16/22 11:51	09/16/22 14:46	8015M	SUB-13
Methane	0.0455	0.00200	mg/L	1	P212702	09/16/22 11:51	09/16/22 14:46	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	10.0	mg/L	1	P211507	09/15/22 14:17	09/16/22 08:41	8000	QAL1
Nitrate as N	27.7	1.00	mg/L	5	P211408	09/14/22 14:37	09/14/22 21:12	EPA 300.0	
Sulfate	215	5.00	mg/L	5	P211408	09/14/22 14:37	09/14/22 21:12	EPA 300.0	
Total Organic Carbon	3.72	1.00	mg/L	1	P212702	09/21/22 14:35	09/21/22 14:51	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	1.22	0.200	mg/L	1	P212704	09/27/22 10:18	09/27/22 12:18	EPA 6010B	QAL1
Manganese	0.0479	0.100	mg/L	1	P212704	09/27/22 10:18	09/27/22 12:18	EPA 6010B	QAL1, J

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Curt Stanley

MW-12
2114002-04 (Water)

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

Organics by GC

Benzene	ND	0.00100	mg/L	1	P211509	09/15/22 15:07	09/15/22 22:03	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P211509	09/15/22 15:07	09/15/22 22:03	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P211509	09/15/22 15:07	09/15/22 22:03	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P211509	09/15/22 15:07	09/15/22 22:03	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P211509	09/15/22 15:07	09/15/22 22:03	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	91.1 %		80-120		P211509	09/15/22 15:07	09/15/22 22:03	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	98.7 %		80-120		P211509	09/15/22 15:07	09/15/22 22:03	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P212702	09/16/22 11:51	09/16/22 12:23	8015M	SUB-13
Ethene	0.00222	0.00100	mg/L	1	P212702	09/16/22 11:51	09/16/22 12:23	8015M	SUB-13
Methane	0.299	0.0125	mg/L	1	P212702	09/16/22 11:51	09/16/22 14:54	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	10.0	mg/L	1	P211507	09/15/22 14:17	09/16/22 08:41	8000	QAL1
Nitrate as N	ND	1.00	mg/L	5	P211408	09/14/22 14:37	09/14/22 21:30	EPA 300.0	
Sulfate	145	5.00	mg/L	5	P211408	09/14/22 14:37	09/14/22 21:30	EPA 300.0	
Total Organic Carbon	2.10	1.00	mg/L	1	P212702	09/21/22 14:35	09/21/22 16:09	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	0.212	0.200	mg/L	1	P212704	09/27/22 10:18	09/27/22 12:21	EPA 6010B	QAL1
Manganese	0.0325	0.100	mg/L	1	P212704	09/27/22 10:18	09/27/22 12:21	EPA 6010B	QAL1, J

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Curt Stanley

MW-10
2114002-05 (Water)

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

Organics by GC

Benzene	0.0414	0.00100	mg/L	1	P211509	09/15/22 15:07	09/16/22 14:11	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P211509	09/15/22 15:07	09/16/22 14:11	EPA 8021B	
Ethylbenzene	0.00122	0.00100	mg/L	1	P211509	09/15/22 15:07	09/16/22 14:11	EPA 8021B	
Xylene (p/m)	0.00418	0.00200	mg/L	1	P211509	09/15/22 15:07	09/16/22 14:11	EPA 8021B	
Xylene (o)	0.00122	0.00100	mg/L	1	P211509	09/15/22 15:07	09/16/22 14:11	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	99.7 %	80-120			P211509	09/15/22 15:07	09/16/22 14:11	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	96.7 %	80-120			P211509	09/15/22 15:07	09/16/22 14:11	EPA 8021B	
Ethane	0.0124	0.00100	mg/L	1	P212702	09/16/22 11:51	09/16/22 12:33	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P212702	09/16/22 11:51	09/16/22 12:33	8015M	SUB-13
Methane	1.33	0.0500	mg/L	1	P212702	09/16/22 11:51	09/16/22 15:13	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	10.0	mg/L	1	P211507	09/15/22 14:17	09/16/22 08:41	8000	QAL1
Nitrate as N	ND	1.00	mg/L	5	P211408	09/14/22 14:37	09/14/22 21:48	EPA 300.0	
Sulfate	55.2	5.00	mg/L	5	P211408	09/14/22 14:37	09/14/22 21:48	EPA 300.0	
Total Organic Carbon	5.95	1.00	mg/L	1	P212702	09/21/22 14:35	09/21/22 16:29	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	0.257	0.200	mg/L	1	P212704	09/27/22 10:18	09/27/22 12:24	EPA 6010B	QAL1
Manganese	0.189	0.100	mg/L	1	P212704	09/27/22 10:18	09/27/22 12:24	EPA 6010B	QAL1

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Curt Stanley

MW-13
2114002-06 (Water)

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

Organics by GC

Benzene	3.23	0.0500	mg/L	50	P211509	09/15/22 15:07	09/16/22 14:32	EPA 8021B	
Toluene	0.00160	0.00100	mg/L	1	P211509	09/15/22 15:07	09/16/22 14:54	EPA 8021B	
Ethylbenzene	0.0220	0.00100	mg/L	1	P211509	09/15/22 15:07	09/16/22 14:54	EPA 8021B	
Xylene (p/m)	0.00894	0.00200	mg/L	1	P211509	09/15/22 15:07	09/16/22 14:54	EPA 8021B	
Xylene (o)	0.00317	0.00100	mg/L	1	P211509	09/15/22 15:07	09/16/22 14:54	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>91.3 %</i>	<i>80-120</i>			<i>P211509</i>	<i>09/15/22 15:07</i>	<i>09/16/22 14:54</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>78.4 %</i>	<i>80-120</i>			<i>P211509</i>	<i>09/15/22 15:07</i>	<i>09/16/22 14:54</i>	<i>EPA 8021B</i>	<i>S-GC</i>
Ethane	0.00978	0.00100	mg/L	1	P212702	09/16/22 11:51	09/16/22 12:43	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P212702	09/16/22 11:51	09/16/22 12:43	8015M	SUB-13
Methane	1.41	0.0500	mg/L	1	P212702	09/16/22 11:51	09/16/22 15:24	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	10.0	mg/L	1	P211507	09/15/22 14:17	09/15/22 16:51	8000	QAL1
Nitrate as N	ND	1.00	mg/L	5	P211408	09/14/22 14:37	09/14/22 22:06	EPA 300.0	
Sulfate	36.0	5.00	mg/L	5	P211408	09/14/22 14:37	09/14/22 22:06	EPA 300.0	
Total Organic Carbon	7.62	1.00	mg/L	1	P212702	09/21/22 14:35	09/21/22 16:48	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P212704	09/27/22 10:18	09/27/22 12:27	EPA 6010B	QAL1
Manganese	0.130	0.100	mg/L	1	P212704	09/27/22 10:18	09/27/22 12:27	EPA 6010B	QAL1

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
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
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Batch P211509 - * DEFAULT PREP *****

Blank (P211509-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 (P211509-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 (P211509-BS1)

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 (P211509-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			

Permian Basin Environmental Lab, L.P.

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

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
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
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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			

Permian Basin Environmental Lab, L.P.

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

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
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
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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			

Permian Basin Environmental Lab, L.P.

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

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
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
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Batch P2I1408 - * DEFAULT PREP *****

Blank (P2I1408-BLK1)

Prepared & Analyzed: 09/14/22

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

LCS (P2I1408-BS1)

Prepared & Analyzed: 09/14/22

Nitrate as N	1.99		mg/L	2.00		99.6	90-110			
Sulfate	19.8		"	20.0		99.2	90-110			

LCS Dup (P2I1408-BSD1)

Prepared & Analyzed: 09/14/22

Sulfate	19.9		mg/L	20.0		99.7	90-110	0.497	10	
Nitrate as N	2.00		"	2.00		99.9	90-110	0.351	10	

Calibration Blank (P2I1408-CCB1)

Prepared & Analyzed: 09/14/22

Sulfate	0.00		mg/L							
Nitrate as N	0.00		"							

Calibration Check (P2I1408-CCV1)

Prepared & Analyzed: 09/14/22

Sulfate	19.9		mg/L	20.0		99.3	90-110			
Nitrate as N	1.88		"	2.00		93.8	90-110			

Calibration Check (P2I1408-CCV2)

Prepared & Analyzed: 09/14/22

Sulfate	19.9		mg/L	20.0		99.5	90-110			
Nitrate as N	1.88		"	2.00		93.8	90-110			

Matrix Spike (P2I1408-MS1)

Source: 2114002-01

Prepared & Analyzed: 09/14/22

Sulfate	96.4	5.00	mg/L	10.0	86.7	96.4	80-120			
Nitrate as N	1.89	1.00	"	1.00	0.995	89.5	80-120			

Matrix Spike Dup (P2I1408-MSD1)

Source: 2114002-01

Prepared & Analyzed: 09/14/22

Nitrate as N	1.89	1.00	mg/L	1.00	0.995	89.5	80-120	0.00	20	
Sulfate	96.0	5.00	"	10.0	86.7	92.4	80-120	0.416	20	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
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 P2I1507 - *** DEFAULT PREP ***										
Blank (P2I1507-BLK1)	Prepared & Analyzed: 09/15/22									
Chemical Oxygen Demand	ND	10.0	mg/L							QAL1
Blank (P2I1507-BLK2)	Prepared: 09/15/22 Analyzed: 09/16/22									
Chemical Oxygen Demand	ND	10.0	mg/L							QAL1
LCS (P2I1507-BS1)	Prepared & Analyzed: 09/15/22									
Chemical Oxygen Demand	1070	10.0	mg/L	1000		107	80-120			QAL1
LCS (P2I1507-BS2)	Prepared: 09/15/22 Analyzed: 09/16/22									
Chemical Oxygen Demand	96.0	10.0	mg/L	100		96.0	80-120			QAL1
LCS Dup (P2I1507-BSD1)	Prepared & Analyzed: 09/15/22									
Chemical Oxygen Demand	1110	10.0	mg/L	1000		111	80-120	3.59	20	QAL1
LCS Dup (P2I1507-BSD2)	Prepared: 09/15/22 Analyzed: 09/16/22									
Chemical Oxygen Demand	103	10.0	mg/L	100		103	80-120	7.04	20	QAL1
Duplicate (P2I1507-DUP1)	Source: 2I15001-01		Prepared & Analyzed: 09/15/22							
Chemical Oxygen Demand	3590	10.0	mg/L		3090			15.0	20	QAL1
Duplicate (P2I1507-DUP2)	Source: 2I14002-01		Prepared: 09/15/22 Analyzed: 09/16/22							
Chemical Oxygen Demand	ND	10.0	mg/L		ND				20	QAL1
Matrix Spike (P2I1507-MS1)	Source: 2I14002-01		Prepared & Analyzed: 09/15/22							
Chemical Oxygen Demand	3590	10.0	mg/L	10000	ND	35.9	80-120			QAL1, QM-05
Matrix Spike (P2I1507-MS2)	Source: 2I15001-03		Prepared: 09/15/22 Analyzed: 09/16/22							
Chemical Oxygen Demand	202	10.0	mg/L	200	2790	NR	80-120			QAL1, QM-05

Permian Basin Environmental Lab, L.P.

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

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

TRC Solutions- Midland, Texas	Project: 98-05A_MNA
10 Desta Dr STE 150E	Project Number: TNM 98-05A
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 P2I1507 - *** DEFAULT PREP ***

Matrix Spike Dup (P2I1507-MSD1)	Source: 2I14002-01			Prepared & Analyzed: 09/15/22						
Chemical Oxygen Demand	3620	10.0	mg/L	10000	ND	36.2	80-120	0.832	20	QAL1, QM-05
Matrix Spike Dup (P2I1507-MSD2)	Source: 2I15001-03			Prepared: 09/15/22 Analyzed: 09/16/22						
Chemical Oxygen Demand	203	10.0	mg/L	200	2790	NR	80-120	0.494	20	QAL1, QM-05

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
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 P2I2704 - *** DEFAULT PREP ***										
Blank (P2I2704-BLK1)				Prepared & Analyzed: 09/27/22						
Manganese	0.000406	0.100	mg/L							QAL1, J
Iron	ND	0.200	"							QAL1
LCS (P2I2704-BS1)				Prepared & Analyzed: 09/27/22						
Manganese	0.206	0.100	mg/L	0.200		103	80-120			QAL1
Iron	0.430	0.200	"	0.400		108	80-120			QAL1
LCS Dup (P2I2704-BSD1)				Prepared & Analyzed: 09/27/22						
Manganese	0.210	0.100	mg/L	0.200		105	80-120	1.72	20	QAL1
Iron	0.432	0.200	"	0.400		108	80-120	0.340	20	QAL1
Calibration Blank (P2I2704-CCB1)				Prepared & Analyzed: 09/27/22						
Iron	0.00261		mg/L							QAL1
Manganese	0.000677		"							J, QAL1
Calibration Blank (P2I2704-CCB2)				Prepared & Analyzed: 09/27/22						
Iron	0.00647		mg/L							QAL1
Manganese	0.000315		"							J, QAL1
Calibration Check (P2I2704-CCV1)				Prepared & Analyzed: 09/27/22						
Manganese	0.200	0.100	mg/L	0.200		100	80-120			QAL1
Iron	0.409	0.200	"	0.400		102	80-120			QAL1
Calibration Check (P2I2704-CCV2)				Prepared & Analyzed: 09/27/22						
Manganese	0.218	0.100	mg/L	0.200		109	80-120			QAL1
Iron	0.450	0.200	"	0.400		113	80-120			QAL1
Matrix Spike (P2I2704-MS1)				Source: 2114002-01		Prepared & Analyzed: 09/27/22				
Iron	0.462	0.200	mg/L	0.400	0.0289	108	75-125			QAL1
Manganese	0.212	0.100	"	0.200	0.00288	105	75-125			QAL1

Permian Basin Environmental Lab, L.P.

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

TRC Solutions- Midland, Texas	Project: 98-05A_MNA
10 Desta Dr STE 150E	Project Number: TNM 98-05A
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 P2I2704 - *** DEFAULT PREP ***

Matrix Spike Dup (P2I2704-MSD1)	Source: 2I14002-01			Prepared & Analyzed: 09/27/22						
Manganese	0.212	0.100	mg/L	0.200	0.00288	105	75-125	0.0183	20	QAL1
Iron	0.486	0.200	"	0.400	0.0289	114	75-125	5.11	20	QAL1

Permian Basin Environmental Lab, L.P.

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

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Curt Stanley

Notes and Definitions

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

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

ROI Received on Ice

QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

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

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

NPBEL C Chain of Custody was not generated at PBELAB

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

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

9/27/2022

Brent Barron, Laboratory Director/Technical Director

Permian Basin Environmental Lab, L.P.

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

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Curt Stanley

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

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

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235
PBELAB SUB COC V2

Project Manager: Brent Barron

Project Name: SUBCONTRACT

Company Name PBEL

Project #:

Company Address: 1400 Rankin HWY

Project Loc:

City/State/Zip: Midland Texas 79701

PO #:

Telephone No: 432-661-4184

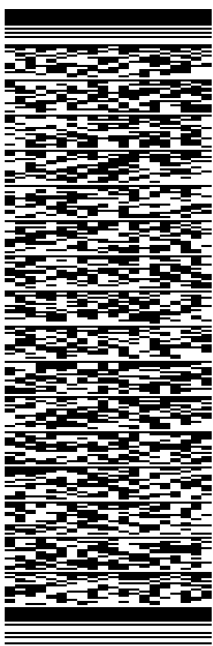
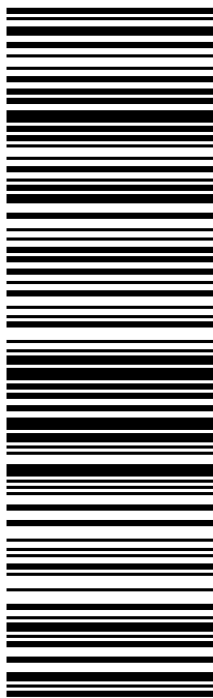
Fax No:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: N/A

e-mail: brentbarron@pbelab.com

LAB # (lab use only)		Beginning Depth		Ending Depth		Date Sampled		Time Sampled		Field Filtered		Total #. of Containers		Preservation & # of Containers				Matrix		RSK SOP-175		TOC-415.1												72 Hour Rush		STANDARD	
ORDER #:																																					
LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	ICE	HNO ₃ 250 poly 1	HCl 3 40mL VOA	H ₂ SO ₄ 1 AMBER 500/250POLY	NaOH /Ascorbic Acid 250ML P	Na ₂ S ₂ O ₃	NONE	NONE 3 AMBER VOAA VIALS	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	RSK SOP-175	TOC-415.1																			
	2114002-01			9/13/2022	12:00		4	X	X		X					W	X	X																X			
	2114002-02			9/13/2022	13:10		4	X	X		X					W	X	X																X			
	2114002-03			9/13/2022	14:30		4	X	X		X					W	X	X																X			
	2114002-04			9/13/2022	15:40		4	X	X		X					W	X	X																X			
	2114002-05			9/13/2022	16:22		4	X	X		X					W	X	X																X			
	2114002-06			9/13/2022	17:01		4	X	X		X					W	X	X																X			
SPECIAL INSTRUCTIONS:																		Laboratory Comments:																			
																		Sample Containers Intact? Y N																			
																		VOCs Free of Headspace? Y N																			
Relinquished by:				Date		Time		Received by:						Date		Time		Labels on container(s) Y N																			
Brent Barron																		Custody seals on container(s) Y N																			
																		Custody seals on cooler(s) Y N																			
Relinquished by:				Date		Time		Received by:						Date		Time		Sample Hand Delivered Y N																			
																		by Sampler/Client Rep. ? Y N																			
																		by Courier? UPS DHL FedEx Lone Star																			
Relinquished by:				Date		Time		Received by:						Date		Time		Temperature Upon Receipt: °C																			
																		Received: °C																			
																		Adjusted: °C Factor																			

ORIGIN ID:MAFA BRENT BARRON PBE LAB 1400 RANKIN HWY MIDLAND, TX 79701 UNITED STATES US	(432) 686-7235	SHIP DATE: 14SEP22 ACTWGT: 15.00 LB CAD: 107136846/INET4530
BILL RECIPIENT		
TO SAMPLE RECEIVING		
ALS-HOUSTON		
10450 STANCLIFF RD		
HOUSTON TX 77099		
REF: (281) 530-5615 INV: PO:	DEPT:	
		
		
		
J223022081201uv		
TRK# 7779 3375 7174 0201	THU - 15 SEP 4:30P STANDARD OVERNIGHT	
AB SGRA		
TX-US 77099 IAH		
		

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T: +1 281 530 5656
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September 21, 2022

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

Work Order: **HS22090725**

Laboratory Results for: **2114002**

Dear Brent Barron,

ALS Environmental received 6 sample(s) on Sep 15, 2022 for the analysis presented in the following report.

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

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

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

Sincerely,

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

Generated By: JUMOKE.LAWAL
Anna Kinchen
Project Manager

ALS Houston, US

Date: 21-Sep-22

Client: Permian Basin Environmental Lab, LP
Project: 2I14002
Work Order: HS22090725

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS22090725-01	2I14002-01	Water		13-Sep-2022 12:00	15-Sep-2022 09:05	☐
HS22090725-02	2I14002-02	Water		13-Sep-2022 13:10	15-Sep-2022 09:05	☐
HS22090725-03	2I14002-03	Water		13-Sep-2022 14:30	15-Sep-2022 09:05	☐
HS22090725-04	2I14002-04	Water		13-Sep-2022 15:40	15-Sep-2022 09:05	☐
HS22090725-05	2I14002-05	Water		13-Sep-2022 16:22	15-Sep-2022 09:05	☐
HS22090725-06	2I14002-06	Water		13-Sep-2022 17:01	15-Sep-2022 09:05	☐

ALS Houston, US

Date: 21-Sep-22

Client: Permian Basin Environmental Lab, LP
Project: 2I14002
Work Order: HS22090725

CASE NARRATIVE

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: R417640

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

ALS Houston, US

Date: 21-Sep-22

Client:	Permian Basin Environmental Lab, LP	ANALYTICAL REPORT
Project:	2I14002	WorkOrder:HS22090725
Sample ID:	2I14002-01	Lab ID:HS22090725-01
Collection Date:	13-Sep-2022 12:00	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 11:51
Ethene	ND		1.00	ug/L	1	16-Sep-2022 11:51
Methane	0.729		0.500	ug/L	1	16-Sep-2022 11:51
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	1.47		1.00	mg/L	1	21-Sep-2022 14:35

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	ANALYTICAL REPORT
Project:	2I14002	WorkOrder:HS22090725
Sample ID:	2I14002-02	Lab ID:HS22090725-02
Collection Date:	13-Sep-2022 13:10	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 12:02
Ethene	1.34		1.00	ug/L	1	16-Sep-2022 12:02
Methane	1.03		0.500	ug/L	1	16-Sep-2022 12:02
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	1.28		1.00	mg/L	1	21-Sep-2022 14:54

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:2I14002

Sample ID:2I14002-03

Collection Date:13-Sep-2022 14:30

ANALYTICAL REPORT

WorkOrder:HS22090725

Lab ID:HS22090725-03

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: PPM		
Ethane	1.81		1.00	ug/L	1	16-Sep-2022 12:15
Ethene	5.82		4.00	ug/L	4	16-Sep-2022 14:46
Methane	45.5		2.00	ug/L	4	16-Sep-2022 14:46
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	3.72		1.00	mg/L	1	21-Sep-2022 15:51

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:2I14002

Sample ID:2I14002-04

Collection Date:13-Sep-2022 15:40

ANALYTICAL REPORT

WorkOrder:HS22090725

Lab ID:HS22090725-04

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	16-Sep-2022 12:23
Ethene	2.22		1.00	ug/L	1	16-Sep-2022 12:23
Methane	299		12.5	ug/L	25	16-Sep-2022 14:54
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	2.10		1.00	mg/L	1	21-Sep-2022 16:09

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:2I14002

Sample ID:2I14002-05

Collection Date:13-Sep-2022 16:22

ANALYTICAL REPORT

WorkOrder:HS22090725

Lab ID:HS22090725-05

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: PPM		
Ethane	12.4		1.00	ug/L	1	16-Sep-2022 12:33
Ethene	ND		1.00	ug/L	1	16-Sep-2022 12:33
Methane	1,330		50.0	ug/L	100	16-Sep-2022 15:13
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	5.95		1.00	mg/L	1	21-Sep-2022 16:29

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:2I14002

Sample ID:2I14002-06

Collection Date:13-Sep-2022 17:01

ANALYTICAL REPORT

WorkOrder:HS22090725

Lab ID:HS22090725-06

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: PPM		
Ethane	9.78		1.00	ug/L	1	16-Sep-2022 12:43
Ethene	ND		1.00	ug/L	1	16-Sep-2022 12:43
Methane	1,410		50.0	ug/L	100	16-Sep-2022 15:24
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	7.62		1.00	mg/L	1	21-Sep-2022 16:48

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: 2I14002
WorkOrder: HS22090725

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R417575 (0)		Test Name : DISSOLVED GASES BY RSK-175			Matrix: Water	
HS22090725-01	2I14002-01	13 Sep 2022 12:00			16 Sep 2022 11:51	1
HS22090725-02	2I14002-02	13 Sep 2022 13:10			16 Sep 2022 12:02	1
HS22090725-03	2I14002-03	13 Sep 2022 14:30			16 Sep 2022 14:46	4
HS22090725-03	2I14002-03	13 Sep 2022 14:30			16 Sep 2022 12:15	1
HS22090725-04	2I14002-04	13 Sep 2022 15:40			16 Sep 2022 14:54	25
HS22090725-04	2I14002-04	13 Sep 2022 15:40			16 Sep 2022 12:23	1
HS22090725-05	2I14002-05	13 Sep 2022 16:22			16 Sep 2022 15:13	100
HS22090725-05	2I14002-05	13 Sep 2022 16:22			16 Sep 2022 12:33	1
HS22090725-06	2I14002-06	13 Sep 2022 17:01			16 Sep 2022 15:24	100
HS22090725-06	2I14002-06	13 Sep 2022 17:01			16 Sep 2022 12:43	1
Batch ID: R417640 (0)		Test Name : TOTAL ORGANIC CARBON BY E415.1			Matrix: Water	
HS22090725-01	2I14002-01	13 Sep 2022 12:00			21 Sep 2022 14:35	1
HS22090725-02	2I14002-02	13 Sep 2022 13:10			21 Sep 2022 14:54	1
HS22090725-03	2I14002-03	13 Sep 2022 14:30			21 Sep 2022 15:51	1
HS22090725-04	2I14002-04	13 Sep 2022 15:40			21 Sep 2022 16:09	1
HS22090725-05	2I14002-05	13 Sep 2022 16:22			21 Sep 2022 16:29	1
HS22090725-06	2I14002-06	13 Sep 2022 17:01			21 Sep 2022 16:48	1

ALS Houston, US

Date: 21-Sep-22

Client: Permian Basin Environmental Lab, LP
Project: 2I14002
WorkOrder: HS22090725

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:		HS22090725-01		HS22090725-02		HS22090725-03		HS22090725-04		
		HS22090725-05		HS22090725-06						

ALS Houston, US

Date: 21-Sep-22

Client: Permian Basin Environmental Lab, LP
Project: 2I14002
WorkOrder: HS22090725

QC BATCH REPORT

Batch ID: R417640 (0)		Instrument: TOC_04		Method: TOTAL ORGANIC CARBON BY E415.1						
MBLK	Sample ID: MBLK-09202022	Units: mg/L			Analysis Date: 21-Sep-2022 12:10					
Client ID:	Run ID: TOC_04_417640	SeqNo: 6876239		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-09202022	Units: mg/L			Analysis Date: 21-Sep-2022 12:29					
Client ID:	Run ID: TOC_04_417640	SeqNo: 6876240		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	9.506	1.00	10	0	95.1	85 - 115				

LCSD	Sample ID: LCSD-09202022	Units: mg/L			Analysis Date: 21-Sep-2022 12:50					
Client ID:	Run ID: TOC_04_417640	SeqNo: 6876241		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	9.768	1.00	10	0	97.7	85 - 115	9.506	2.72	20	

MS	Sample ID: HS22090549-01MS	Units: mg/L			Analysis Date: 21-Sep-2022 13:26					
Client ID:	Run ID: TOC_04_417640	SeqNo: 6876243		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	30.34	1.00	10	20.55	97.9	80 - 120				

The following samples were analyzed in this batch:				HS22090725-01		HS22090725-02		HS22090725-03		HS22090725-04	
				HS22090725-05		HS22090725-06					

ALS Houston, US

Date: 21-Sep-22

Client: Permian Basin Environmental Lab, LP
Project: 2114002
WorkOrder: HS22090725

**QUALIFIERS,
ACRONYMS, UNITS**

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

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

ALS Houston, US

Date: 21-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: HS22090725

Date/Time Received: 15-Sep-2022 09:05

Client Name: Permian Basin Lab

Received by: Corey Grandits

Completed By: /S/ Corey Grandits	15-Sep-2022 12:18	Reviewed by: /S/ Anna Kinchen	16-Sep-2022 08:35
eSignature	Date/Time	eSignature	Date/Time

Matrices: S

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Samplers name present on COC?	Yes ☐	No ☒	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	
Temperature(s)/Thermometer(s):	2.1UC/1.9C IR31		
Cooler(s)/Kit(s):	Md Red		
Date/Time sample(s) sent to storage:	9/15/2022		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☒
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☒
pH adjusted?	Yes ☐	No ☐	N/A ☒
pH adjusted by:			

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

Corrective Action:



HS22090725

Permian Basin Environmental Lab, LP
2101003

Project Manager: Brent Barron

Company Name PBEL

Company Address: 1400 Rankin HWY

City/State/Zip: Midland Texas 79701

Telephone No: 432-661-4184

Fax No:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: N/A

e-mail: brentbarron@pbelab.com

[illegible]

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

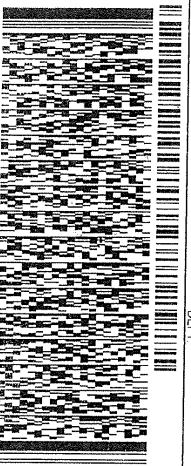
SHIP DATE: 14SEP22
ACT WGT: 15.00 LB
CND: 107138846INET4530

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

HOUSTON TX 77099
(281) 530-5615
REF:
PO:
DEPT:

BILL RECIPIENT

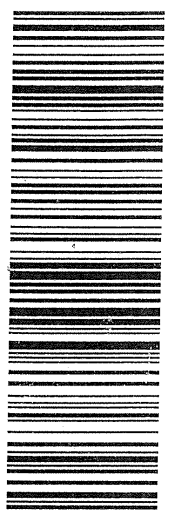
581J11EC8C/FE2D



TRK# 7779 3375 7174
0201

THU - 15 SEP 4:30P
STANDARD OVERNIGHT

AB SGRA
TX-US
IAH
77099



MD Rcd

SEP 15 2022

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



Analytical Report

Prepared for:

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

Project: 98-05
Project Number: TNM 98-05
Location: Lea County, New Mexico
Lab Order Number: 2116004



Current Certification

Report Date: 09/27/22

TRC Solutions- Midland, Texas	Project: 98-05
10 Desta Dr STE 150E	Project Number: TNM 98-05
Midland TX, 79705	Project Manager: Curt Stanley

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-8	2I16004-01	Water	09/14/22 11:00	09-16-2022 09:30
MW-7	2I16004-02	Water	09/14/22 11:22	09-16-2022 09:30
MW-9	2I16004-03	Water	09/14/22 11:46	09-16-2022 09:30
MW-11	2I16004-04	Water	09/14/22 12:10	09-16-2022 09:30
MW-1	2I16004-05	Water	09/14/22 12:29	09-16-2022 09:30
MW-2	2I16004-06	Water	09/14/22 12:46	09-16-2022 09:30

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

Project: 98-05
Project Number: TNM 98-05
Project Manager: Curt Stanley

MW-8
2I16004-01 (Water)

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

Organics by GC

Benzene	0.00564	0.00100	mg/L	1	P2I1903	09/19/22 09:20	09/19/22 15:27	EPA 8021B	
Toluene	0.0162	0.00100	mg/L	1	P2I1903	09/19/22 09:20	09/19/22 15:27	EPA 8021B	
Ethylbenzene	0.00702	0.00100	mg/L	1	P2I1903	09/19/22 09:20	09/19/22 15:27	EPA 8021B	
Xylene (p/m)	0.0212	0.00200	mg/L	1	P2I1903	09/19/22 09:20	09/19/22 15:27	EPA 8021B	
Xylene (o)	0.00764	0.00100	mg/L	1	P2I1903	09/19/22 09:20	09/19/22 15:27	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	91.6 %		80-120		P2I1903	09/19/22 09:20	09/19/22 15:27	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	91.7 %		80-120		P2I1903	09/19/22 09:20	09/19/22 15:27	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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

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

TRC Solutions- Midland, Texas	Project: 98-05
10 Desta Dr STE 150E	Project Number: TNM 98-05
Midland TX, 79705	Project Manager: Curt Stanley

MW-7
2116004-02 (Water)

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

Organics by GC									
Benzene	0.00210	0.00100	mg/L	1	P211903	09/19/22 09:20	09/19/22 15:48	EPA 8021B	
Toluene	0.00361	0.00100	mg/L	1	P211903	09/19/22 09:20	09/19/22 15:48	EPA 8021B	
Ethylbenzene	0.00133	0.00100	mg/L	1	P211903	09/19/22 09:20	09/19/22 15:48	EPA 8021B	
Xylene (p/m)	0.00561	0.00200	mg/L	1	P211903	09/19/22 09:20	09/19/22 15:48	EPA 8021B	
Xylene (o)	0.00146	0.00100	mg/L	1	P211903	09/19/22 09:20	09/19/22 15:48	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	98.5 %		80-120		P211903	09/19/22 09:20	09/19/22 15:48	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	91.8 %		80-120		P211903	09/19/22 09:20	09/19/22 15:48	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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

Project: 98-05
Project Number: TNM 98-05
Project Manager: Curt Stanley

MW-9
2116004-03 (Water)

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

Organics by GC

Benzene	0.00129	0.00100	mg/L	1	P211903	09/19/22 09:20	09/19/22 16:10	EPA 8021B	
Toluene	0.00204	0.00100	mg/L	1	P211903	09/19/22 09:20	09/19/22 16:10	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P211903	09/19/22 09:20	09/19/22 16:10	EPA 8021B	
Xylene (p/m)	0.00221	0.00200	mg/L	1	P211903	09/19/22 09:20	09/19/22 16:10	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P211903	09/19/22 09:20	09/19/22 16:10	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	98.8 %		80-120		P211903	09/19/22 09:20	09/19/22 16:10	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	92.3 %		80-120		P211903	09/19/22 09:20	09/19/22 16:10	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05
Project Number: TNM 98-05
Project Manager: Curt Stanley

MW-11
2116004-04 (Water)

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

Organics by GC

Benzene	ND	0.00100	mg/L	1	P211903	09/19/22 09:20	09/19/22 16:32	EPA 8021B	
Toluene	0.00150	0.00100	mg/L	1	P211903	09/19/22 09:20	09/19/22 16:32	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P211903	09/19/22 09:20	09/19/22 16:32	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P211903	09/19/22 09:20	09/19/22 16:32	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P211903	09/19/22 09:20	09/19/22 16:32	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	104 %		80-120		P211903	09/19/22 09:20	09/19/22 16:32	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	92.0 %		80-120		P211903	09/19/22 09:20	09/19/22 16:32	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05
Project Number: TNM 98-05
Project Manager: Curt Stanley

MW-1
2116004-05 (Water)

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

Organics by GC

Benzene	0.0315	0.00100	mg/L	1	P211903	09/19/22 09:20	09/19/22 17:37	EPA 8021B	
Toluene	0.00142	0.00100	mg/L	1	P211903	09/19/22 09:20	09/19/22 17:37	EPA 8021B	
Ethylbenzene	0.00130	0.00100	mg/L	1	P211903	09/19/22 09:20	09/19/22 17:37	EPA 8021B	
Xylene (p/m)	0.00443	0.00200	mg/L	1	P211903	09/19/22 09:20	09/19/22 17:37	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P211903	09/19/22 09:20	09/19/22 17:37	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	96.1 %		80-120		P211903	09/19/22 09:20	09/19/22 17:37	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	92.4 %		80-120		P211903	09/19/22 09:20	09/19/22 17:37	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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

TRC Solutions- Midland, Texas	Project: 98-05
10 Desta Dr STE 150E	Project Number: TNM 98-05
Midland TX, 79705	Project Manager: Curt Stanley

MW-2
2116004-06 (Water)

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

Organics by GC									
Benzene	0.124	0.00500	mg/L	5	P211903	09/19/22 09:20	09/19/22 17:59	EPA 8021B	
Toluene	0.00685	0.00500	mg/L	5	P211903	09/19/22 09:20	09/19/22 17:59	EPA 8021B	
Ethylbenzene	0.00855	0.00500	mg/L	5	P211903	09/19/22 09:20	09/19/22 17:59	EPA 8021B	
Xylene (p/m)	0.0361	0.0100	mg/L	5	P211903	09/19/22 09:20	09/19/22 17:59	EPA 8021B	
Xylene (o)	0.0103	0.00500	mg/L	5	P211903	09/19/22 09:20	09/19/22 17:59	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	93.8 %		80-120		P211903	09/19/22 09:20	09/19/22 17:59	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	88.5 %		80-120		P211903	09/19/22 09:20	09/19/22 17:59	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: 98-05
Project Number: TNM 98-05
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
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Batch P211903 - * DEFAULT PREP *****

Blank (P211903-BLK1)

Prepared & Analyzed: 09/19/22

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	0.114		"	0.120		94.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.113		"	0.120		94.4	80-120			

LCS (P211903-BS1)

Prepared & Analyzed: 09/19/22

Benzene	0.106	0.00100	mg/L	0.100		106	80-120			
Toluene	0.106	0.00100	"	0.100		106	80-120			
Ethylbenzene	0.115	0.00100	"	0.100		115	80-120			
Xylene (p/m)	0.224	0.00200	"	0.200		112	80-120			
Xylene (o)	0.108	0.00100	"	0.100		108	80-120			
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		103	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		99.8	80-120			

LCS Dup (P211903-BS1)

Prepared & Analyzed: 09/19/22

Benzene	0.106	0.00100	mg/L	0.100		106	80-120	0.406	20	
Toluene	0.106	0.00100	"	0.100		106	80-120	0.0473	20	
Ethylbenzene	0.117	0.00100	"	0.100		117	80-120	1.98	20	
Xylene (p/m)	0.230	0.00200	"	0.200		115	80-120	2.41	20	
Xylene (o)	0.110	0.00100	"	0.100		110	80-120	1.76	20	
Surrogate: 4-Bromofluorobenzene	0.128		"	0.120		107	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		100	80-120			

Calibration Blank (P211903-CCB1)

Prepared & Analyzed: 09/19/22

Benzene	0.0700		ug/l							
Toluene	0.370		"							
Ethylbenzene	0.530		"							
Xylene (p/m)	1.26		"							
Xylene (o)	0.820		"							
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		96.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.4	80-120			

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05
Project Number: TNM 98-05
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
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Batch P2I1903 - * DEFAULT PREP *****

Calibration Blank (P2I1903-CCB2)

Prepared & Analyzed: 09/19/22

Benzene	0.650		ug/l							
Toluene	1.08		"							
Ethylbenzene	0.740		"							
Xylene (p/m)	2.16		"							
Xylene (o)	0.950		"							
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.113		"	0.120		93.9	80-120			

Calibration Check (P2I1903-CCV1)

Prepared & Analyzed: 09/19/22

Benzene	0.119	0.00100	mg/L	0.100		119	80-120			
Toluene	0.120	0.00100	"	0.100		120	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)	0.113	0.00100	"	0.100		113	80-120			
Surrogate: 4-Bromofluorobenzene	0.121		"	0.120		101	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.2	80-120			

Calibration Check (P2I1903-CCV2)

Prepared & Analyzed: 09/19/22

Benzene	0.117	0.00100	mg/L	0.100		117	80-120			
Toluene	0.117	0.00100	"	0.100		117	80-120			
Ethylbenzene	0.115	0.00100	"	0.100		115	80-120			
Xylene (p/m)	0.238	0.00200	"	0.200		119	80-120			
Xylene (o)	0.113	0.00100	"	0.100		113	80-120			
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.2	80-120			

Calibration Check (P2I1903-CCV3)

Prepared & Analyzed: 09/19/22

Benzene	0.120	0.00100	mg/L	0.100		120	80-120			
Toluene	0.116	0.00100	"	0.100		116	80-120			
Ethylbenzene	0.115	0.00100	"	0.100		115	80-120			
Xylene (p/m)	0.239	0.00200	"	0.200		119	80-120			
Xylene (o)	0.115	0.00100	"	0.100		115	80-120			
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		96.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		94.8	80-120			

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05
Project Number: TNM 98-05
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
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Batch P2I1903 - * DEFAULT PREP *****

Matrix Spike (P2I1903-MS1)

Source: 2I15012-01

Prepared & Analyzed: 09/19/22

Benzene	0.0905	0.00100	mg/L	0.100	ND	90.5	80-120			
Toluene	0.0854	0.00100	"	0.100	ND	85.4	80-120			
Ethylbenzene	0.0897	0.00100	"	0.100	ND	89.7	80-120			
Xylene (p/m)	0.175	0.00200	"	0.200	ND	87.6	80-120			
Xylene (o)	0.0838	0.00100	"	0.100	ND	83.8	80-120			
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		104	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		103	80-120			

Matrix Spike Dup (P2I1903-MSD1)

Source: 2I15012-01

Prepared & Analyzed: 09/19/22

Benzene	0.113	0.00100	mg/L	0.100	ND	113	80-120	22.0	20	R3
Toluene	0.101	0.00100	"	0.100	ND	101	80-120	17.2	20	
Ethylbenzene	0.104	0.00100	"	0.100	ND	104	80-120	14.4	20	
Xylene (p/m)	0.202	0.00200	"	0.200	ND	101	80-120	14.0	20	
Xylene (o)	0.0961	0.00100	"	0.100	ND	96.1	80-120	13.7	20	
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		95.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.125		"	0.120		104	80-120			

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05
Project Number: TNM 98-05
Project Manager: Curt Stanley

Notes and Definitions

ROI Received on Ice

R3 The RPD exceeded the acceptance limit due to sample matrix effects.

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

NPBEL C Chain of Custody was not generated at PBELAB

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

9/27/2022

Brent Barron, Laboratory Director/Technical Director

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

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

Permian Basin Environmental Lab, L.P.

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

PBETLAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-661-4184

Page 1 of 1

Project Manager: Curt Stanley

Project Name: 98-05A

Company Name: TRC Environmental Corporation

Project #: TNM 98-05A

Company Address: 10 Desta Drive, Ste 130E

Project Loc: Lea County, New Mexico

City/State/Zip: Midland, TX 79705

PO #:

Telephone No: 432.520.7720

Report Format: ☐ Standard ☐ TRRP ☐ NPDESSampler Signature: *Michael H. Hume*

e-mail: cdstanley@trccompanies.com

cjbryan@paap.com
khudgens@paap.com

(lab use only)

ORDER #: 2116004

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Ice	HNO ₃	HCl	H ₂ SO ₄	NaOH	Na ₂ S ₂ O ₃	None	Other (Specify)	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Matrix	TCAP:	TOTAL:	Analyze For:	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT	
1	NW-8			9-14-22	1100		3	X		3							GW					X	X
2	NW-7				1122		3	X		3							GW					X	X
3	NW-9				1146		3	X		3							GW					X	X
4	NW-11				1210		3	X		3							GW					X	X
5	NW-1				1229		3	X		3							GW					X	X
6	NW-2				1246		3	X		3							GW					X	X

Special Instructions:

Relinquished by: *Manny* Date: 9-16-22 Time: 930 Received by: *Michael H. Hume*Relinquished by: *Manny* Date: 9-16-22 Time: 930 Received by: *Michael H. Hume*Relinquished by: *Manny* Date: 9-16-22 Time: 930 Received by: *Michael H. Hume*Relinquished by: *Manny* Date: 9-16-22 Time: 930 Received by: *Michael H. Hume*

Laboratory Comments:

Sample Containers sealed? ☒
 VOCs Free of Headspace? ☒
 Labels on containers? ☒
 Custody seals on container(s)? ☒
 Custody seals on cooler(s)? ☒
 Sample Hand Delivered by Sampler/Client Rep? ☒
 Temperature Upon Receipt: 48.6 °C
 Adjusted: 48.6 °C
 by Courier? ☒
 UPS ☒
 DHL ☒
 FedEx ☒
 Lone Star ☒

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



Analytical Report

Prepared for:

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Location: Lea County, NM
Lab Order Number: 2K30004



Current Certification

Report Date: 12/13/22

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Curt Stanley

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-3	2K30004-01	Water	11/29/22 12:00	11-30-2022 09:00
MW-5	2K30004-02	Water	11/29/22 12:48	11-30-2022 09:00
MW-6	2K30004-03	Water	11/29/22 13:40	11-30-2022 09:00
MW-12	2K30004-04	Water	11/29/22 14:55	11-30-2022 09:00
MW-10	2K30004-05	Water	11/29/22 15:45	11-30-2022 09:00
MW-13	2K30004-06	Water	11/29/22 16:50	11-30-2022 09:00

Low Level PAHs, Dissolved gases and TOC analysis were subcontracted to ALS Houston. Their report is attached after the Chain of Custody. Their TCEQ TNI certification number can be found here:

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Curt Stanley

MW-3
2K30004-01 (Water)

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

Organics by GC

Benzene	ND	0.00100	mg/L	1	P2L0201	12/02/22 08:47	12/02/22 13:16	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2L0201	12/02/22 08:47	12/02/22 13:16	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2L0201	12/02/22 08:47	12/02/22 13:16	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2L0201	12/02/22 08:47	12/02/22 13:16	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2L0201	12/02/22 08:47	12/02/22 13:16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	114 %		80-120		P2L0201	12/02/22 08:47	12/02/22 13:16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	89.8 %		80-120		P2L0201	12/02/22 08:47	12/02/22 13:16	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P2L1209	12/05/22 14:03	12/05/22 14:03	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2L1209	12/05/22 14:03	12/05/22 14:03	8015M	SUB-13
Methane	0.00120	0.000500	mg/L	1	P2L1209	12/05/22 14:03	12/05/22 14:03	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	0.772	0.200	mg/L	1	P2K3006	11/30/22 12:02	12/02/22 13:21	EPA 300.0	
Sulfate	188	5.00	mg/L	5	P2K3006	11/30/22 12:02	12/02/22 16:26	EPA 300.0	
Total Organic Carbon	1.39	1.00	mg/L	1	P2L1209	12/09/22 13:54	12/09/22 13:54	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 14:14	EPA 6010B	
Manganese	0.00276	0.100	mg/L	1	P2L0204	12/02/22 12:14	12/02/22 14:14	EPA 6010B	J

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Curt Stanley

MW-5
2K30004-02 (Water)

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

Organics by GC

Benzene	ND	0.00100	mg/L	1	P2L0201	12/02/22 08:47	12/02/22 13:38	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2L0201	12/02/22 08:47	12/02/22 13:38	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2L0201	12/02/22 08:47	12/02/22 13:38	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2L0201	12/02/22 08:47	12/02/22 13:38	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2L0201	12/02/22 08:47	12/02/22 13:38	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	105 %	80-120			P2L0201	12/02/22 08:47	12/02/22 13:38	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	90.3 %	80-120			P2L0201	12/02/22 08:47	12/02/22 13:38	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P2L1209	12/05/22 14:03	12/05/22 14:17	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2L1209	12/05/22 14:03	12/05/22 14:17	8015M	SUB-13
Methane	ND	0.500	mg/L	1	P2L1209	12/05/22 14:03	12/05/22 14:17	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	0.668	0.200	mg/L	1	P2K3006	11/30/22 12:02	12/02/22 14:16	EPA 300.0	
Sulfate	187	5.00	mg/L	5	P2K3006	11/30/22 12:02	12/02/22 17:21	EPA 300.0	
Total Organic Carbon	1.64	1.00	mg/L	1	P2L1209	12/09/22 14:06	12/09/22 14:06	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 14:17	EPA 6010B	
Manganese	0.00318	0.100	mg/L	1	P2L0204	12/02/22 12:14	12/02/22 14:17	EPA 6010B	J

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Curt Stanley

MW-6
2K30004-03 (Water)

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

Organics by GC

Benzene	ND	0.00100	mg/L	1	P2L0201	12/02/22 08:47	12/02/22 13:59	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2L0201	12/02/22 08:47	12/02/22 13:59	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2L0201	12/02/22 08:47	12/02/22 13:59	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2L0201	12/02/22 08:47	12/02/22 13:59	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2L0201	12/02/22 08:47	12/02/22 13:59	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	106 %		80-120		P2L0201	12/02/22 08:47	12/02/22 13:59	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	90.3 %		80-120		P2L0201	12/02/22 08:47	12/02/22 13:59	EPA 8021B	
Ethane	0.00100	0.00100	mg/L	1	P2L1209	12/05/22 14:03	12/05/22 14:25	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2L1209	12/05/22 14:03	12/05/22 14:25	8015M	SUB-13
Methane	0.0435	0.00100	mg/L	1	P2L1209	12/05/22 14:03	12/05/22 16:47	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	10.0	2.00	mg/L	1	P2L1201	12/12/22 08:27	12/12/22 14:45	8000	QAL1
Nitrate as N	22.0	1.00	mg/L	5	P2K3006	11/30/22 12:02	12/02/22 14:35	EPA 300.0	
Sulfate	214	5.00	mg/L	5	P2K3006	11/30/22 12:02	12/02/22 14:35	EPA 300.0	
Total Organic Carbon	4.05	1.00	mg/L	1	P2L1209	12/09/22 14:19	12/09/22 14:19	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 14:20	EPA 6010B	
Manganese	0.0127	0.100	mg/L	1	P2L0204	12/02/22 12:14	12/02/22 14:20	EPA 6010B	J

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Curt Stanley

MW-12
2K30004-04 (Water)

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

Organics by GC

Benzene	ND	0.00100	mg/L	1	P2L0201	12/02/22 08:47	12/02/22 14:21	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2L0201	12/02/22 08:47	12/02/22 14:21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2L0201	12/02/22 08:47	12/02/22 14:21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2L0201	12/02/22 08:47	12/02/22 14:21	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2L0201	12/02/22 08:47	12/02/22 14:21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	108 %	80-120			P2L0201	12/02/22 08:47	12/02/22 14:21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	89.3 %	80-120			P2L0201	12/02/22 08:47	12/02/22 14:21	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P2L1209	12/05/22 14:03	12/05/22 15:14	8015M	SUB-13
Ethene	0.00281	0.00100	mg/L	1	P2L1209	12/05/22 14:03	12/05/22 15:14	8015M	SUB-13
Methane	0.336	0.0100	mg/L	20	P2L1209	12/05/22 14:03	12/05/22 16:59	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	2.00	2.00	mg/L	1	P2L1201	12/12/22 08:27	12/12/22 14:45	8000	QAL1
Nitrate as N	0.216	0.200	mg/L	1	P2K3006	11/30/22 12:02	12/02/22 14:53	EPA 300.0	
Sulfate	145	5.00	mg/L	5	P2K3006	11/30/22 12:02	11/30/22 15:11	EPA 300.0	
Total Organic Carbon	3.20	1.00	mg/L	1	P2L1209	12/09/22 14:32	12/09/22 14:32	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 14:24	EPA 6010B	
Manganese	0.0296	0.100	mg/L	1	P2L0204	12/02/22 12:14	12/02/22 14:24	EPA 6010B	J

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Curt Stanley

MW-10
2K30004-05 (Water)

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

Organics by GC

Benzene	0.0314	0.00100	mg/L	1	P2L0201	12/02/22 08:47	12/02/22 14:43	EPA 8021B	
Toluene	0.00174	0.00100	mg/L	1	P2L0201	12/02/22 08:47	12/02/22 14:43	EPA 8021B	
Ethylbenzene	0.00273	0.00100	mg/L	1	P2L0201	12/02/22 08:47	12/02/22 14:43	EPA 8021B	
Xylene (p/m)	0.00433	0.00200	mg/L	1	P2L0201	12/02/22 08:47	12/02/22 14:43	EPA 8021B	
Xylene (o)	0.00136	0.00100	mg/L	1	P2L0201	12/02/22 08:47	12/02/22 14:43	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	111 %	80-120			P2L0201	12/02/22 08:47	12/02/22 14:43	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	84.4 %	80-120			P2L0201	12/02/22 08:47	12/02/22 14:43	EPA 8021B	
Ethane	0.0127	0.00100	mg/L	1	P2L1209	12/05/22 14:03	12/05/22 15:48	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2L1209	12/05/22 14:03	12/05/22 15:48	8015M	SUB-13
Methane	2.24	0.0500	mg/L	100	P2L1209	12/05/22 14:03	12/05/22 17:09	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	18.0	2.00	mg/L	1	P2L1201	12/12/22 08:27	12/12/22 14:45	8000	QAL1
Nitrate as N	0.205	0.200	mg/L	1	P2K3006	11/30/22 12:02	12/02/22 15:12	EPA 300.0	
Sulfate	53.1	1.00	mg/L	1	P2K3006	11/30/22 12:02	12/02/22 15:12	EPA 300.0	
Total Organic Carbon	5.66	1.00	mg/L	1	P2L1209	12/09/22 15:12	12/09/22 15:12	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P2L0204	12/02/22 12:14	12/02/22 14:33	EPA 6010B	
Manganese	0.157	0.100	mg/L	1	P2L0204	12/02/22 12:14	12/02/22 14:33	EPA 6010B	

PAH compounds by Semivolatile GCMS

1-Methylnaphthalene	0.013	0.0010	mg/L	1	P2L1209	12/05/22 09:00	12/07/22 13:04	8270C	SUB-13
2-Methylnaphthalene	0.0049	0.0010	mg/L	1	P2L1209	12/05/22 09:00	12/07/22 13:04	8270C	SUB-13
Acenaphthene	0.00045	0.00010	mg/L	1	P2L1209	12/05/22 09:00	12/06/22 18:26	8270C	SUB-13
Acenaphthylene	0.00054	0.00010	mg/L	1	P2L1209	12/05/22 09:00	12/06/22 18:26	8270C	SUB-13
Anthracene	ND	0.00010	mg/L	1	P2L1209	12/05/22 09:00	12/06/22 18:26	8270C	SUB-13
Benzo (a) anthracene	ND	0.00010	mg/L	1	P2L1209	12/05/22 09:00	12/06/22 18:26	8270C	SUB-13
Benzo (a) pyrene	ND	0.00010	mg/L	1	P2L1209	12/05/22 09:00	12/06/22 18:26	8270C	SUB-13
Benzo (b) fluoranthene	ND	0.00010	mg/L	1	P2L1209	12/05/22 09:00	12/06/22 18:26	8270C	SUB-13
Benzo (g,h,i) perylene	ND	0.00010	mg/L	1	P2L1209	12/05/22 09:00	12/06/22 18:26	8270C	SUB-13
Benzo (k) fluoranthene	ND	0.00010	mg/L	1	P2L1209	12/05/22 09:00	12/06/22 18:26	8270C	SUB-13
Chrysene	ND	0.00010	mg/L	1	P2L1209	12/05/22 09:00	12/06/22 18:26	8270C	SUB-13
Dibenzo (a,h) anthracene	ND	0.00010	mg/L	1	P2L1209	12/05/22 09:00	12/06/22 18:26	8270C	SUB-13
Fluoranthene	ND	0.00010	mg/L	1	P2L1209	12/05/22 09:00	12/06/22 18:26	8270C	SUB-13
Fluorene	0.0030	0.00010	mg/L	1	P2L1209	12/05/22 09:00	12/06/22 18:26	8270C	SUB-13
Indeno (1,2,3-cd) pyrene	ND	0.00010	mg/L	1	P2L1209	12/05/22 09:00	12/06/22 18:26	8270C	SUB-13
Naphthalene	0.0069	0.0010	mg/L	1	P2L1209	12/05/22 09:00	12/07/22 13:04	8270C	SUB-13
Phenanthrene	0.0059	0.00010	mg/L	1	P2L1209	12/05/22 09:00	12/06/22 18:26	8270C	SUB-13
Pyrene	ND	0.00010	mg/L	1	P2L1209	12/05/22 09:00	12/06/22 18:26	8270C	SUB-13

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Curt Stanley

MW-13
2K30004-06 (Water)

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

Organics by GC

Benzene	1.75	0.0500	mg/L	50	P2L0201	12/02/22 08:47	12/02/22 16:10	EPA 8021B	
Toluene	0.00396	0.00100	mg/L	1	P2L0201	12/02/22 08:47	12/02/22 15:05	EPA 8021B	
Ethylbenzene	0.0117	0.00100	mg/L	1	P2L0201	12/02/22 08:47	12/02/22 15:05	EPA 8021B	
Xylene (p/m)	0.0110	0.00200	mg/L	1	P2L0201	12/02/22 08:47	12/02/22 15:05	EPA 8021B	
Xylene (o)	0.00356	0.00100	mg/L	1	P2L0201	12/02/22 08:47	12/02/22 15:05	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>95.0 %</i>	<i>80-120</i>			<i>P2L0201</i>	<i>12/02/22 08:47</i>	<i>12/02/22 15:05</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>94.8 %</i>	<i>80-120</i>			<i>P2L0201</i>	<i>12/02/22 08:47</i>	<i>12/02/22 15:05</i>	<i>EPA 8021B</i>	
Ethane	0.00740	0.00100	mg/L	1	P2L1209	12/05/22 14:03	12/05/22 16:18	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2L1209	12/05/22 14:03	12/05/22 16:18	8015M	SUB-13
Methane	1.75	0.0500	mg/L	50	P2L1209	12/05/22 14:03	12/05/22 17:19	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	25.0	2.00	mg/L	1	P2L1201	12/12/22 08:27	12/12/22 14:45	8000	QAL1
Nitrate as N	0.227	0.200	mg/L	1	P2K3006	11/30/22 12:02	12/02/22 15:30	EPA 300.0	
Sulfate	86.5	1.00	mg/L	1	P2K3006	11/30/22 12:02	12/02/22 15:30	EPA 300.0	
Total Organic Carbon	5.94	1.00	mg/L	1	P2L1209	12/09/22 15:26	12/09/22 15:26	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 14:36	EPA 6010B	
Manganese	0.117	0.100	mg/L	1	P2L0204	12/02/22 12:14	12/02/22 14:36	EPA 6010B	

PAH compounds by Semivolatile GCMS

1-Methylnaphthalene	0.012	0.0010	mg/L	1	P2L1209	12/05/22 09:00	12/07/22 13:24	8270C	SUB-13
2-Methylnaphthalene	0.0080	0.00010	mg/L	1	P2L1209	12/05/22 09:00	12/07/22 13:24	8270C	SUB-13
Acenaphthene	0.00080	0.00010	mg/L	1	P2L1209	12/05/22 09:00	12/06/22 18:46	8270C	SUB-13
Acenaphthylene	0.0010	0.00010	mg/L	1	P2L1209	12/05/22 09:00	12/06/22 18:46	8270C	SUB-13
Anthracene	0.0012	0.00010	mg/L	1	P2L1209	12/05/22 09:00	12/06/22 18:46	8270C	SUB-13
Benzo (a) anthracene	0.0011	0.00010	mg/L	1	P2L1209	12/05/22 09:00	12/06/22 18:46	8270C	SUB-13
Benzo (a) pyrene	ND	0.00010	mg/L	1	P2L1209	12/05/22 09:00	12/06/22 18:46	8270C	SUB-13
Benzo (b) fluoranthene	ND	0.00010	mg/L	1	P2L1209	12/05/22 09:00	12/06/22 18:46	8270C	SUB-13
Benzo (g,h,i) perylene	ND	0.00010	mg/L	1	P2L1209	12/05/22 09:00	12/06/22 18:46	8270C	SUB-13
Benzo (k) fluoranthene	ND	0.00010	mg/L	1	P2L1209	12/05/22 09:00	12/06/22 18:46	8270C	SUB-13
Chrysene	ND	0.00010	mg/L	1	P2L1209	12/05/22 09:00	12/06/22 18:46	8270C	SUB-13
Dibenzo (a,h) anthracene	ND	0.00010	mg/L	1	P2L1209	12/05/22 09:00	12/06/22 18:46	8270C	SUB-13
Fluoranthene	ND	0.00010	mg/L	1	P2L1209	12/05/22 09:00	12/06/22 18:46	8270C	SUB-13
Fluorene	0.0048	0.00010	mg/L	1	P2L1209	12/05/22 09:00	12/06/22 18:46	8270C	SUB-13
Indeno (1,2,3-cd) pyrene	ND	0.00010	mg/L	1	P2L1209	12/05/22 09:00	12/06/22 18:46	8270C	SUB-13
Naphthalene	0.0060	0.0010	mg/L	1	P2L1209	12/05/22 09:00	12/07/22 13:24	8270C	SUB-13
Phenanthrene	0.0081	0.00010	mg/L	1	P2L1209	12/05/22 09:00	12/06/22 18:46	8270C	SUB-13
Pyrene	ND	0.00010	mg/L	1	P2L1209	12/05/22 09:00	12/06/22 18:46	8270C	SUB-13

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Curt Stanley

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
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
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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			

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
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
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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			

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
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
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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			

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
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 P2K3006 - *** DEFAULT PREP ***										
Blank (P2K3006-BLK1)				Prepared: 11/30/22 Analyzed: 12/02/22						
Nitrate as N	ND	0.200	mg/L							
Sulfate	ND	1.00	"							
LCS (P2K3006-BS1)				Prepared: 11/30/22 Analyzed: 12/02/22						
Nitrate as N	1.88		mg/L	2.00		94.0	90-110			
Sulfate	19.8		"	20.0		98.8	90-110			
LCS Dup (P2K3006-BSD1)				Prepared: 11/30/22 Analyzed: 12/02/22						
Nitrate as N	1.88		mg/L	2.00		94.2	90-110	0.212	10	
Sulfate	19.8		"	20.0		98.9	90-110	0.0961	10	
Calibration Blank (P2K3006-CCB1)				Prepared: 11/30/22 Analyzed: 12/02/22						
Nitrate as N	0.00		mg/L							
Sulfate	0.00		"							
Calibration Check (P2K3006-CCV1)				Prepared: 11/30/22 Analyzed: 12/02/22						
Nitrate as N	1.93		mg/L	2.00		96.4	90-110			
Sulfate	19.9		"	20.0		99.3	90-110			
Calibration Check (P2K3006-CCV2)				Prepared: 11/30/22 Analyzed: 12/02/22						
Nitrate as N	1.96		mg/L	2.00		97.9	90-110			
Sulfate	20.0		"	20.0		100	90-110			
Matrix Spike (P2K3006-MS1)		Source: 2K30004-01		Prepared: 11/30/22 Analyzed: 12/02/22						
Nitrate as N	0.976	0.200	mg/L	0.200	0.772	102	80-120			
Sulfate	188	5.00	"	2.00	188	NR	80-120			QM-05
Matrix Spike Dup (P2K3006-MSD1)		Source: 2K30004-01		Prepared: 11/30/22 Analyzed: 12/02/22						
Sulfate	188	5.00	mg/L	2.00	188	3.00	80-120	0.0480	20	QM-05
Nitrate as N	0.984	0.200	"	0.200	0.772	106	80-120	0.816	20	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
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
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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

Permian Basin Environmental Lab, L.P.

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

TRC Solutions- Midland, Texas	Project: 98-05A_MNA
10 Desta Dr STE 150E	Project Number: TNM 98-05A
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
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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
10 Desta Dr STE 150E
Midland TX, 79705

Project: 98-05A_MNA
Project Number: TNM 98-05A
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						
Iron	ND	0.200	mg/L							
Manganese	0.000307	0.100	"							J
LCS (P2L0204-BS1)				Prepared & Analyzed: 12/02/22						
Iron	0.386	0.200	mg/L	0.400		96.6	80-120			
Manganese	0.225	0.100	"	0.200		112	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						
Manganese	0.000300		mg/L							J
Iron	0.00340		"							
Calibration Check (P2L0204-CCV1)				Prepared & Analyzed: 12/02/22						
Manganese	0.227	0.100	mg/L	0.200		114	80-120			
Iron	0.373	0.200	"	0.400		93.1	80-120			
Calibration Check (P2L0204-CCV2)				Prepared & Analyzed: 12/02/22						
Manganese	0.225	0.100	mg/L	0.200		112	80-120			
Iron	0.416	0.200	"	0.400		104	80-120			

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
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
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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	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
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:



Date:

12/13/2022

Brent Barron, Laboratory Director/Technical Director

Permian Basin Environmental Lab, L.P.

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

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Curt Stanley

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

Permian Basin Environmental Lab, L.P.

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

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



CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235
PBELAB_SUB_COC_V2

Project Manager: Brent Barron
Company Name: PBEL
Company Address: 1400 Rankin HWY
City/State/Zip: Midland Texas 79701
Telephone No: 432-661-4184 Fax No: _____
Sampler Signature: N/A e-mail: brentbarron@pbelab.com

Project Name: SUBCONTRACT
Project #: _____
Project Loc: _____
PO #: _____

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

(lab use only)																48 HOUR RUSH STANDARD																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers							Matrix																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
								ICE	HNO ₃ 250 poly 1	HCl 3 40mL VOA	H ₂ SO ₄ 1 AMBER 500/250POLY	NaOH /Ascorbic Acid 250ML P	Na ₂ S ₂ O ₃	NONE	NONE 3 AMBER VOAA VIALS		DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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SPECIAL INSTRUCTIONS:

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

Laboratory Comments:

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



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

December 09, 2022

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

Work Order: **HS22120123**

Laboratory Results for: **2K30004**

Dear Brent Barron,

ALS Environmental received 6 sample(s) on Dec 02, 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,

A handwritten signature in black ink, appearing to read 'Anna M. Kinchen'.

Generated By: DAYNA.FISHER
Anna Kinchen
Project Manager

ALS Houston, US

Date: 09-Dec-22

Client: Permian Basin Environmental Lab, LP
Project: 2K30004
Work Order: HS22120123

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS22120123-01	2K30004-01	Water		29-Nov-2022 12:00	02-Dec-2022 09:20	☐
HS22120123-02	2K30004-02	Water		29-Nov-2022 12:48	02-Dec-2022 09:20	☐
HS22120123-03	2K30004-03	Water		29-Nov-2022 13:40	02-Dec-2022 09:20	☐
HS22120123-04	2K30004-04	Water		29-Nov-2022 14:55	02-Dec-2022 09:20	☐
HS22120123-05	2K30004-05	Water		29-Nov-2022 15:45	02-Dec-2022 09:20	☐
HS22120123-06	2K30004-06	Water		29-Nov-2022 16:50	02-Dec-2022 09:20	☐

ALS Houston, US

Date: 09-Dec-22

Client: Permian Basin Environmental Lab, LP
Project: 2K30004
Work Order: HS22120123

CASE NARRATIVE**GC Semivolatiles by Method RSK-175****Batch ID: R423242**

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

GCMS Semivolatiles by Method SW8270**Batch ID: 186929****Sample ID: 2K30004-05 (HS22120123-05)**

- Surrogate recoveries were outside of the control limits due to matrix interference. nitrobenzene-d5

Sample ID: 2K30004-06 (HS22120123-06)

- Surrogate recoveries were outside of the control limits due to matrix interference. nitrobenzene-d5

WetChemistry by Method E415.1**Batch ID: R423637****Sample ID: HS22111391-01MS**

- MS is for an unrelated sample

ALS Houston, US

Date: 09-Dec-22

Client:Permian Basin Environmental Lab, LP

Project:2K30004

Sample ID:2K30004-01

Collection Date:29-Nov-2022 12:00

ANALYTICAL REPORT

WorkOrder:HS22120123

Lab ID:HS22120123-01

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: SAM		
Ethane	ND		1.00	ug/L	1	05-Dec-2022 14:03
Ethene	ND		1.00	ug/L	1	05-Dec-2022 14:03
Methane	1.20		0.500	ug/L	1	05-Dec-2022 14:03
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	1.39		1.00	mg/L	1	09-Dec-2022 13:54

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

ALS Houston, US

Date: 09-Dec-22

Client:	Permian Basin Environmental Lab, LP	ANALYTICAL REPORT
Project:	2K30004	WorkOrder:HS22120123
Sample ID:	2K30004-02	Lab ID:HS22120123-02
Collection Date:	29-Nov-2022 12:48	Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: SAM		
Ethane	ND		1.00	ug/L	1	05-Dec-2022 14:17
Ethene	ND		1.00	ug/L	1	05-Dec-2022 14:17
Methane	ND		0.500	ug/L	1	05-Dec-2022 14:17
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	1.64		1.00	mg/L	1	09-Dec-2022 14:06

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

ALS Houston, US

Date: 09-Dec-22

Client:Permian Basin Environmental Lab, LP

Project:2K30004

Sample ID:2K30004-03

Collection Date:29-Nov-2022 13:40

ANALYTICAL REPORT

WorkOrder:HS22120123

Lab ID:HS22120123-03

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: SAM		
Ethane	1.00		1.00	ug/L	1	05-Dec-2022 14:25
Ethene	ND		1.00	ug/L	1	05-Dec-2022 14:25
Methane	43.5		1.00	ug/L	2	05-Dec-2022 16:47
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	4.05		1.00	mg/L	1	09-Dec-2022 14:19

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

ALS Houston, US

Date: 09-Dec-22

Client:Permian Basin Environmental Lab, LP

Project:2K30004

Sample ID:2K30004-04

Collection Date:29-Nov-2022 14:55

ANALYTICAL REPORT

WorkOrder:HS22120123

Lab ID:HS22120123-04

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: SAM		
Ethane	ND		1.00	ug/L	1	05-Dec-2022 15:14
Ethene	2.81		1.00	ug/L	1	05-Dec-2022 15:14
Methane	336		10.0	ug/L	20	05-Dec-2022 16:59
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	3.20		1.00	mg/L	1	09-Dec-2022 14:32

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

ALS Houston, US

Date: 09-Dec-22

Client: Permian Basin Environmental Lab, LP
 Project: 2K30004
 Sample ID: 2K30004-05
 Collection Date: 29-Nov-2022 15:45

ANALYTICAL REPORT

WorkOrder:HS22120123
 Lab ID:HS22120123-05
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL PAHS - 8270D		Method:SW8270		Prep:SW3511 / 05-Dec-2022		Analyst: MBG
1-Methylnaphthalene	13.0	n	1.02	ug/L	10	07-Dec-2022 13:04
2-Methylnaphthalene	4.88		1.02	ug/L	10	07-Dec-2022 13:04
Acenaphthene	0.447		0.102	ug/L	1	06-Dec-2022 18:26
Acenaphthylene	0.541		0.102	ug/L	1	06-Dec-2022 18:26
Anthracene	ND		0.102	ug/L	1	06-Dec-2022 18:26
Benz(a)anthracene	ND		0.102	ug/L	1	06-Dec-2022 18:26
Benzo(a)pyrene	ND		0.102	ug/L	1	06-Dec-2022 18:26
Benzo(b)fluoranthene	ND		0.102	ug/L	1	06-Dec-2022 18:26
Benzo(g,h,i)perylene	ND		0.102	ug/L	1	06-Dec-2022 18:26
Benzo(k)fluoranthene	ND		0.102	ug/L	1	06-Dec-2022 18:26
Chrysene	ND		0.102	ug/L	1	06-Dec-2022 18:26
Dibenz(a,h)anthracene	ND		0.102	ug/L	1	06-Dec-2022 18:26
Fluoranthene	ND		0.102	ug/L	1	06-Dec-2022 18:26
Fluorene	3.02		0.102	ug/L	1	06-Dec-2022 18:26
Indeno(1,2,3-cd)pyrene	ND		0.102	ug/L	1	06-Dec-2022 18:26
Naphthalene	6.86		1.02	ug/L	10	07-Dec-2022 13:04
Phenanthrene	5.92		0.102	ug/L	1	06-Dec-2022 18:26
Pyrene	ND		0.102	ug/L	1	06-Dec-2022 18:26
Surr: 2-Fluorobiphenyl	125		32-130	%REC	1	06-Dec-2022 18:26
Surr: 2-Fluorobiphenyl	85.8		32-130	%REC	10	07-Dec-2022 13:04
Surr: 4-Terphenyl-d14	127		40-135	%REC	1	06-Dec-2022 18:26
Surr: 4-Terphenyl-d14	83.4		40-135	%REC	10	07-Dec-2022 13:04
Surr: Nitrobenzene-d5	80.8		45-142	%REC	10	07-Dec-2022 13:04
Surr: Nitrobenzene-d5	214	S	45-142	%REC	1	06-Dec-2022 18:26
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: SAM		
Ethane	12.7		1.00	ug/L	1	05-Dec-2022 15:48
Ethene	ND		1.00	ug/L	1	05-Dec-2022 15:48
Methane	2,240		50.0	ug/L	100	05-Dec-2022 17:09
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	5.66		1.00	mg/L	1	09-Dec-2022 15:12

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

ALS Houston, US

Date: 09-Dec-22

Client: Permian Basin Environmental Lab, LP
 Project: 2K30004
 Sample ID: 2K30004-06
 Collection Date: 29-Nov-2022 16:50

ANALYTICAL REPORT

WorkOrder:HS22120123
 Lab ID:HS22120123-06
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL PAHS - 8270D		Method:SW8270		Prep:SW3511 / 05-Dec-2022		Analyst: MBG
1-Methylnaphthalene	11.6	n	1.04	ug/L	10	07-Dec-2022 13:24
2-Methylnaphthalene	8.04		0.104	ug/L	1	06-Dec-2022 18:46
Acenaphthene	0.803		0.104	ug/L	1	06-Dec-2022 18:46
Acenaphthylene	1.02		0.104	ug/L	1	06-Dec-2022 18:46
Anthracene	1.23		0.104	ug/L	1	06-Dec-2022 18:46
Benz(a)anthracene	1.12		0.104	ug/L	1	06-Dec-2022 18:46
Benzo(a)pyrene	ND		0.104	ug/L	1	06-Dec-2022 18:46
Benzo(b)fluoranthene	ND		0.104	ug/L	1	06-Dec-2022 18:46
Benzo(g,h,i)perylene	ND		0.104	ug/L	1	06-Dec-2022 18:46
Benzo(k)fluoranthene	ND		0.104	ug/L	1	06-Dec-2022 18:46
Chrysene	ND		0.104	ug/L	1	06-Dec-2022 18:46
Dibenz(a,h)anthracene	ND		0.104	ug/L	1	06-Dec-2022 18:46
Fluoranthene	ND		0.104	ug/L	1	06-Dec-2022 18:46
Fluorene	4.83		0.104	ug/L	1	06-Dec-2022 18:46
Indeno(1,2,3-cd)pyrene	ND		0.104	ug/L	1	06-Dec-2022 18:46
Naphthalene	6.01		1.04	ug/L	10	07-Dec-2022 13:24
Phenanthrene	8.10		0.104	ug/L	1	06-Dec-2022 18:46
Pyrene	ND		0.104	ug/L	1	06-Dec-2022 18:46
Surr: 2-Fluorobiphenyl	119		32-130	%REC	1	06-Dec-2022 18:46
Surr: 2-Fluorobiphenyl	89.3		32-130	%REC	10	07-Dec-2022 13:24
Surr: 4-Terphenyl-d14	104		40-135	%REC	1	06-Dec-2022 18:46
Surr: 4-Terphenyl-d14	69.0		40-135	%REC	10	07-Dec-2022 13:24
Surr: Nitrobenzene-d5	84.8		45-142	%REC	10	07-Dec-2022 13:24
Surr: Nitrobenzene-d5	460	SE	45-142	%REC	1	06-Dec-2022 18:46
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: SAM		
Ethane	7.40		1.00	ug/L	1	05-Dec-2022 16:18
Ethene	ND		1.00	ug/L	1	05-Dec-2022 16:18
Methane	1,750		50.0	ug/L	100	05-Dec-2022 17:19
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	5.94		1.00	mg/L	1	09-Dec-2022 15:26

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

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: 2K30004
WorkOrder: HS22120123

Batch ID: 186929	Start Date: 05 Dec 2022 09:00	End Date: 05 Dec 2022 12:00
Method: SW3511	Prep Code: 3511_PAH	

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS22120123-05		32.2 (mL)	2 (mL)	0.06211	40 mL Amber
HS22120123-06		31.64 (mL)	2 (mL)	0.06321	40 mL Amber

ALS Houston, US

Date: 09-Dec-22

Client: Permian Basin Environmental Lab, LP
Project: 2K30004
WorkOrder: HS22120123

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 186929 (0)		Test Name : LOW-LEVEL PAHS - 8270D			Matrix: Water	
HS22120123-05	2K30004-05	29 Nov 2022 15:45		05 Dec 2022 09:00	07 Dec 2022 13:04	10
HS22120123-05	2K30004-05	29 Nov 2022 15:45		05 Dec 2022 09:00	06 Dec 2022 18:26	1
HS22120123-06	2K30004-06	29 Nov 2022 16:50		05 Dec 2022 09:00	07 Dec 2022 13:24	10
HS22120123-06	2K30004-06	29 Nov 2022 16:50		05 Dec 2022 09:00	06 Dec 2022 18:46	1
Batch ID: R423242 (0)		Test Name : DISSOLVED GASES BY RSK-175			Matrix: Water	
HS22120123-01	2K30004-01	29 Nov 2022 12:00			05 Dec 2022 14:03	1
HS22120123-02	2K30004-02	29 Nov 2022 12:48			05 Dec 2022 14:17	1
HS22120123-03	2K30004-03	29 Nov 2022 13:40			05 Dec 2022 16:47	2
HS22120123-03	2K30004-03	29 Nov 2022 13:40			05 Dec 2022 14:25	1
HS22120123-04	2K30004-04	29 Nov 2022 14:55			05 Dec 2022 16:59	20
HS22120123-04	2K30004-04	29 Nov 2022 14:55			05 Dec 2022 15:14	1
HS22120123-05	2K30004-05	29 Nov 2022 15:45			05 Dec 2022 17:09	100
HS22120123-05	2K30004-05	29 Nov 2022 15:45			05 Dec 2022 15:48	1
HS22120123-06	2K30004-06	29 Nov 2022 16:50			05 Dec 2022 17:19	100
HS22120123-06	2K30004-06	29 Nov 2022 16:50			05 Dec 2022 16:18	1
Batch ID: R423637 (0)		Test Name : TOTAL ORGANIC CARBON BY E415.1			Matrix: Water	
HS22120123-01	2K30004-01	29 Nov 2022 12:00			09 Dec 2022 13:54	1
HS22120123-02	2K30004-02	29 Nov 2022 12:48			09 Dec 2022 14:06	1
HS22120123-03	2K30004-03	29 Nov 2022 13:40			09 Dec 2022 14:19	1
HS22120123-04	2K30004-04	29 Nov 2022 14:55			09 Dec 2022 14:32	1
HS22120123-05	2K30004-05	29 Nov 2022 15:45			09 Dec 2022 15:12	1
HS22120123-06	2K30004-06	29 Nov 2022 16:50			09 Dec 2022 15:26	1

ALS Houston, US

Date: 09-Dec-22

Client: Permian Basin Environmental Lab, LP
Project: 2K30004
WorkOrder: HS22120123

QC BATCH REPORT

Batch ID: R423242 (0)		Instrument: FID-4		Method: DISSOLVED GASES BY RSK-175					
MBLK	Sample ID: MBLK-221205	Units: ug/L		Analysis Date: 05-Dec-2022 08:43					
Client ID:	Run ID: FID-4_423242		SeqNo: 7015385		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-221205	Units: ug/L		Analysis Date: 05-Dec-2022 08:52					
Client ID:	Run ID: FID-4_423242		SeqNo: 7015386		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Ethane	20.24	1.00	18.04	0	112	75 - 125			
Ethene	18.9	1.00	16.8	0	113	75 - 125			
Methane	9.01	0.500	9.647	0	93.4	75 - 125			

LCSD	Sample ID: LCSD-221205	Units: ug/L		Analysis Date: 05-Dec-2022 09:09					
Client ID:	Run ID: FID-4_423242		SeqNo: 7015387		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Ethane	19.19	1.00	18.04	0	106	75 - 125	20.24	5.36	30
Ethene	18.5	1.00	16.8	0	110	75 - 125	18.9	2.14	30
Methane	8.883	0.500	9.647	0	92.1	75 - 125	9.01	1.42	30

DUP	Sample ID: HS22120123-01DUP	Units: ug/L		Analysis Date: 05-Dec-2022 16:39					
Client ID: 2K30004-01	Run ID: FID-4_423242		SeqNo: 7015396		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					0.7716	0	30
Methane	1.182	0.500					1.196	1.21	30

The following samples were analyzed in this batch:

HS22120123-01	HS22120123-02	HS22120123-03	HS22120123-04
HS22120123-05	HS22120123-06		

ALS Houston, US

Date: 09-Dec-22

Client: Permian Basin Environmental Lab, LP
Project: 2K30004
WorkOrder: HS22120123

QC BATCH REPORT

Batch ID: 186929 (0)		Instrument: SV-6		Method: LOW-LEVEL PAHS - 8270D						
MBLK	Sample ID: MBLK-186929	Units: ug/L		Analysis Date: 06-Dec-2022 16:25						
Client ID:	Run ID: SV-6_423364	SeqNo: 7018273		PrepDate: 05-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	3.74	0.100	3.03	0	123	32 - 130				
Surr: 4-Terphenyl-d14	3.903	0.100	3.03	0	129	40 - 135				
Surr: Nitrobenzene-d5	4.182	0.100	3.03	0	138	45 - 142				

ALS Houston, US

Date: 09-Dec-22

Client: Permian Basin Environmental Lab, LP
Project: 2K30004
WorkOrder: HS22120123

QC BATCH REPORT

Batch ID: 186929 (0)		Instrument: SV-6		Method: LOW-LEVEL PAHS - 8270D					
LCS		Sample ID: LCS-186929		Units: ug/L		Analysis Date: 06-Dec-2022 16:45			
Client ID:		Run ID: SV-6_423364		SeqNo: 7018274		PrepDate: 05-Dec-2022		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
1-Methylnaphthalene	3.468	0.100	3.03	0	114	40 - 140			
2-Methylnaphthalene	3.42	0.100	3.03	0	113	40 - 140			
Acenaphthene	2.849	0.100	3.03	0	94.0	40 - 140			
Acenaphthylene	2.83	0.100	3.03	0	93.4	40 - 140			
Anthracene	3.863	0.100	3.03	0	127	40 - 140			
Benz(a)anthracene	3.221	0.100	3.03	0	106	40 - 140			
Benzo(a)pyrene	3.67	0.100	3.03	0	121	40 - 140			
Benzo(b)fluoranthene	3.426	0.100	3.03	0	113	40 - 140			
Benzo(g,h,i)perylene	3.592	0.100	3.03	0	119	40 - 140			
Benzo(k)fluoranthene	3.751	0.100	3.03	0	124	40 - 140			
Chrysene	3.238	0.100	3.03	0	107	40 - 140			
Dibenz(a,h)anthracene	3.504	0.100	3.03	0	116	40 - 140			
Fluoranthene	3.66	0.100	3.03	0	121	40 - 140			
Fluorene	3.224	0.100	3.03	0	106	40 - 140			
Indeno(1,2,3-cd)pyrene	3.685	0.100	3.03	0	122	40 - 140			
Naphthalene	3.32	0.100	3.03	0	110	40 - 140			
Phenanthrene	3.795	0.100	3.03	0	125	40 - 140			
Pyrene	3.255	0.100	3.03	0	107	40 - 140			
Surr: 2-Fluorobiphenyl	3.823	0.100	3.03	0	126	32 - 130			
Surr: 4-Terphenyl-d14	3.465	0.100	3.03	0	114	40 - 135			
Surr: Nitrobenzene-d5	3.11	0.100	3.03	0	103	45 - 142			

ALS Houston, US

Date: 09-Dec-22

Client: Permian Basin Environmental Lab, LP
Project: 2K30004
WorkOrder: HS22120123

QC BATCH REPORT

Batch ID: 186929 (0)		Instrument: SV-6		Method: LOW-LEVEL PAHS - 8270D						
LCSD		Sample ID: LCSD-186929		Units: ug/L		Analysis Date: 06-Dec-2022 17:06				
Client ID:		Run ID: SV-6_423364		SeqNo: 7018275		PrepDate: 05-Dec-2022		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	3.946	0.100	3.03	0	130	40 - 140	3.468	12.9	25	
2-Methylnaphthalene	3.897	0.100	3.03	0	129	40 - 140	3.42	13	25	
Acenaphthene	2.937	0.100	3.03	0	96.9	40 - 140	2.849	3.01	25	
Acenaphthylene	2.892	0.100	3.03	0	95.4	40 - 140	2.83	2.17	25	
Anthracene	3.92	0.100	3.03	0	129	40 - 140	3.863	1.47	25	
Benz(a)anthracene	3.715	0.100	3.03	0	123	40 - 140	3.221	14.3	25	
Benzo(a)pyrene	3.672	0.100	3.03	0	121	40 - 140	3.67	0.0759	25	
Benzo(b)fluoranthene	3.566	0.100	3.03	0	118	40 - 140	3.426	4.02	25	
Benzo(g,h,i)perylene	3.799	0.100	3.03	0	125	40 - 140	3.592	5.6	25	
Benzo(k)fluoranthene	3.958	0.100	3.03	0	131	40 - 140	3.751	5.36	25	
Chrysene	3.826	0.100	3.03	0	126	40 - 140	3.238	16.6	25	
Dibenz(a,h)anthracene	3.549	0.100	3.03	0	117	40 - 140	3.504	1.26	25	
Fluoranthene	3.731	0.100	3.03	0	123	40 - 140	3.66	1.94	25	
Fluorene	3.257	0.100	3.03	0	107	40 - 140	3.224	1.01	25	
Indeno(1,2,3-cd)pyrene	3.863	0.100	3.03	0	127	40 - 140	3.685	4.71	25	
Naphthalene	3.922	0.100	3.03	0	129	40 - 140	3.32	16.6	25	
Phenanthrene	3.836	0.100	3.03	0	127	40 - 140	3.795	1.07	25	
Pyrene	3.763	0.100	3.03	0	124	40 - 140	3.255	14.5	25	
Surr: 2-Fluorobiphenyl	3.932	0.100	3.03	0	130	32 - 130	3.823	2.83	25	
Surr: 4-Terphenyl-d14	3.94	0.100	3.03	0	130	40 - 135	3.465	12.8	25	
Surr: Nitrobenzene-d5	3.563	0.100	3.03	0	118	45 - 142	3.11	13.6	25	
The following samples were analyzed in this batch:										
			HS22120123-05		HS22120123-06					

ALS Houston, US

Date: 09-Dec-22

Client: Permian Basin Environmental Lab, LP
Project: 2K30004
WorkOrder: HS22120123

QC BATCH REPORT

Batch ID: R423637 (0)		Instrument: TOC_04		Method: TOTAL ORGANIC CARBON BY E415.1					
MBLK	Sample ID: MBLK-12092022	Units: mg/L		Analysis Date: 09-Dec-2022 12:32					
Client ID:	Run ID: TOC_04_423637	SeqNo: 7024238		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Organic Carbon, Total	ND	1.00							

LCS	Sample ID: LCS-12092022	Units: mg/L		Analysis Date: 09-Dec-2022 12:46					
Client ID:	Run ID: TOC_04_423637	SeqNo: 7024239		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Organic Carbon, Total	10.87	1.00	10	0	109	85 - 115			

LCSD	Sample ID: LCSD-12092022	Units: mg/L		Analysis Date: 09-Dec-2022 12:59					
Client ID:	Run ID: TOC_04_423637	SeqNo: 7024240		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Organic Carbon, Total	10.88	1.00	10	0	109	85 - 115	10.87	0.092	20

MS	Sample ID: HS22111391-01MS	Units: mg/L		Analysis Date: 09-Dec-2022 13:28					
Client ID:	Run ID: TOC_04_423637	SeqNo: 7024242		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Organic Carbon, Total	32.62	1.00	10	18.35	143	80 - 120			S

The following samples were analyzed in this batch:				HS22120123-01	HS22120123-02	HS22120123-03	HS22120123-04
				HS22120123-05	HS22120123-06		

ALS Houston, US

Date: 09-Dec-22

Client: Permian Basin Environmental Lab, LP
Project: 2K30004
WorkOrder: HS22120123

**QUALIFIERS,
ACRONYMS, UNITS**

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

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

ALS Houston, US

Date: 09-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: 09-Dec-22

Sample Receipt Checklist

Work Order ID: HS22120123

Date/Time Received: 02-Dec-2022 09:20

Client Name: Permian Basin Lab

Received by: Paresh M. Giga

Completed By: /S/ Corey Grandits	02-Dec-2022 15:22	Reviewed by: /S/ Anna Kinchen	06-Dec-2022 15:47
eSignature	Date/Time	eSignature	Date/Time

Matrices: WCarrier name: FedEx

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

Temperature(s)/Thermometer(s):

2.2UC/1.7C

IR31

Cooler(s)/Kit(s):

Red

Date/Time sample(s) sent to storage:

12/2/2022

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: 1 PAH Vial for 2K30004-06 received broken.

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

Corrective Action:



e-mail: brentbarron@pbelab.com

Page 41 of 42

ORIGIN ID: M5A (432) 696-7235
BRIEN BARON
PENN AB
1400 RANKIN HWY
MIDLAND, TX 79701
UNITED STATES US

SHIP DATE: 01DEC22
ACTWGT: 7.00 LB
CWD: 107.38846 NET 45.30
BILL RECIPIENT

TO: **SAMPLE RECEIVING**
ALS-HOUSTON
10450 STANCLIFF RD
HOUSTON TX 77099
REF: (281) 530-5815
FO: TX
DEPT:

581.339497FE2D

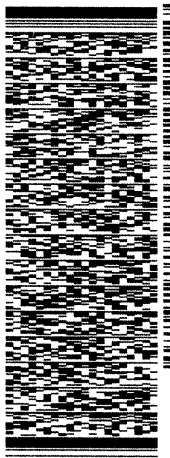
TRK# 7706 4808 8900
0207

FRI - 02 DEC 4:30P
STANDARD OVERNIGHT

77099
TX-US IAH

AB SGRA

77099
TX-US IAH





22-022111101



Red DEC 02 2022

After printing this label:

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



Analytical Report

Prepared for:

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

Project: 98-05
Project Number: TNM 98-05
Location: Lea County, New Mexico
Lab Order Number: 2L02007



Current Certification

Report Date: 12/05/22

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

Project: 98-05
Project Number: TNM 98-05
Project Manager: Curt Stanley

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	2L02007-01	Water	11/30/22 10:11	12-02-2022 09:00
MW-2	2L02007-02	Water	11/30/22 10:29	12-02-2022 09:00

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

Project: 98-05
Project Number: TNM 98-05
Project Manager: Curt Stanley

MW-1
2L02007-01 (Water)

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

Organics by GC

Benzene	0.0343	0.00100	mg/L	1	P2L0201	12/02/22 10:59	12/02/22 16:32	EPA 8021B	
Toluene	0.00649	0.00100	mg/L	1	P2L0201	12/02/22 10:59	12/02/22 16:32	EPA 8021B	
Ethylbenzene	0.00703	0.00100	mg/L	1	P2L0201	12/02/22 10:59	12/02/22 16:32	EPA 8021B	
Xylene (p/m)	0.0201	0.00200	mg/L	1	P2L0201	12/02/22 10:59	12/02/22 16:32	EPA 8021B	
Xylene (o)	0.00585	0.00100	mg/L	1	P2L0201	12/02/22 10:59	12/02/22 16:32	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	103 %		80-120		P2L0201	12/02/22 10:59	12/02/22 16:32	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	73.3 %		80-120		P2L0201	12/02/22 10:59	12/02/22 16:32	EPA 8021B	S-GC

Permian Basin Environmental Lab, L.P.

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

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

TRC Solutions- Midland, Texas	Project: 98-05
10 Desta Dr STE 150E	Project Number: TNM 98-05
Midland TX, 79705	Project Manager: Curt Stanley

MW-2
2L02007-02 (Water)

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

Organics by GC									
Benzene	0.136	0.00100	mg/L	1	P2L0201	12/02/22 10:59	12/02/22 16:53	EPA 8021B	
Toluene	0.0266	0.00100	mg/L	1	P2L0201	12/02/22 10:59	12/02/22 16:53	EPA 8021B	
Ethylbenzene	0.0187	0.00100	mg/L	1	P2L0201	12/02/22 10:59	12/02/22 16:53	EPA 8021B	
Xylene (p/m)	0.114	0.00200	mg/L	1	P2L0201	12/02/22 10:59	12/02/22 16:53	EPA 8021B	
Xylene (o)	0.0317	0.00100	mg/L	1	P2L0201	12/02/22 10:59	12/02/22 16:53	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	87.5 %	80-120			P2L0201	12/02/22 10:59	12/02/22 16:53	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	63.0 %	80-120			P2L0201	12/02/22 10:59	12/02/22 16:53	EPA 8021B	S-GC

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

Project: 98-05
Project Number: TNM 98-05
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
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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			

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05
Project Number: TNM 98-05
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
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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			

Permian Basin Environmental Lab, L.P.

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

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

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

Project: 98-05
Project Number: TNM 98-05
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
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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			

Permian Basin Environmental Lab, L.P.

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

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

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Page 7 of 10

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

Project: 98-05
Project Number: TNM 98-05
Project Manager: Curt Stanley

Notes and Definitions

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

ROI Received on Ice

QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

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

NPBEL C Chain of Custody was not generated at PBELAB

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

12/5/2022

Brent Barron, Laboratory Director/Technical Director

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

Project: 98-05
Project Number: TNM 98-05
Project Manager: Curt Stanley

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

Page 1 of 1
Phone: 432-661-4184

Project Name: TNM 98-05A

Project #: SRS TNM 98-05A

Project Loc: Lea County, NM

PO #:

Fax No. _____

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

e-mail: cdstanley@trccompanies.com
clibvart@psaia.com

cjbryant@paalp.com
khuddgens@paalp.com

Analyze For:			
D:			

(lab use only)

ORDER #: 21020081

(lab use only)		ORDER #:	
		26020087	
LAB # (lab use only)		FIELD CODE	
	MW-1		
	MW-2		
		Beginning Depth	
		Ending Depth	
		Date Sampled	
		Time Sampled	
		Field Filtered	
		Total #. of Containers	
		Ice	
		HNO ₃	
		HCl (3 VOA)	
		H ₂ SO ₄	
		NaOH	
		Na ₂ S ₂ O ₃	
		None (3 Amber VOA)	
		Other (Specify)	
		DW=Drinking Water SL=Sludge GW = Groundwater S=Soli/Solid NP=Non-Potable Specify Other	
		TOC MW 5310	
		Dissolved Methane, Ethane, and Ethene by RSK-175	
		Total Dissolved Metals (Fe amd Mn) by SW 6010	
		Nitrate and Sulfate by E300	
		COD by SM 5310	
		Total BTEX by 8260	
		PAH by 8270	
		Semivolatiles	
		BTEX 8021B/5030 or BTEX 8260	
		RCI	
		N.O.R.M.	
		Chlorides E 300	
		Paint Filter	
		TCLP Benzene	
		RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	
		Standard TAT	

ons: Bill to Plains

Relinquished by:

Date _____

Time

Received by:

Date _____

Time

Relinquished by:

Date _____

Time

Received by:

Date _____

Time

Relinquished by:

Date _____

Time

Received by

Date _____

Time

Laboratory Comments

**Sample Containers Intact?
VOCs Free of Headspace?**

Labels on container(s)
Custody seals on container(s)

Custody seals on cooler(s)
Sample Hand Delivered

by Sampler/Client Rep.?
by Courier? UPS
Temperature Upon Receipt:

Received:	6.99	°C
Adjusted:	2.29	°C

Dep. ?	SS	DHL	FedEx	Lone Star
Ship:				
°C	24	71		
°C Factor		71		

Page 10 of 10

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



Analytical Report

Prepared for:

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

Project: 98-05
Project Number: TNM 98-05
Location: Lea County, NM
Lab Order Number: 2L06003



Current Certification

Report Date: 12/20/22

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

Project: 98-05
Project Number: TNM 98-05
Project Manager: Curt Stanley

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	2L06003-01	Water	12/05/22 10:45	12-06-2022 10:10
MW-2	2L06003-02	Water	12/05/22 11:10	12-06-2022 10:10

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

Project: 98-05
Project Number: TNM 98-05
Project Manager: Curt Stanley

MW-1
2L06003-01 (Water)

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

PAH compounds by Semivolatile GCMS

1-Methylnaphthalene	0.39	0.010	mg/L	100	P2L2006	12/12/22 07:00	12/12/22 13:07	8270C
2-Methylnaphthalene	0.087	0.010	mg/L	100	P2L2006	12/12/22 07:00	12/12/22 13:07	8270C
Acenaphthene	ND	0.010	mg/L	100	P2L2006	12/12/22 07:00	12/12/22 13:07	8270C
Acenaphthylene	0.011	0.010	mg/L	100	P2L2006	12/12/22 07:00	12/12/22 13:07	8270C
Anthracene	0.014	0.010	mg/L	100	P2L2006	12/12/22 07:00	12/12/22 13:07	8270C
Benzo (a) anthracene	ND	0.010	mg/L	100	P2L2006	12/12/22 07:00	12/12/22 13:07	8270C
Benzo (a) pyrene	ND	0.010	mg/L	100	P2L2006	12/12/22 07:00	12/12/22 13:07	8270C
Benzo (b) fluoranthene	ND	0.010	mg/L	100	P2L2006	12/12/22 07:00	12/12/22 13:07	8270C
Benzo (g,h,i) perylene	ND	0.010	mg/L	100	P2L2006	12/12/22 07:00	12/12/22 13:07	8270C
Benzo (k) fluoranthene	ND	0.010	mg/L	100	P2L2006	12/12/22 07:00	12/12/22 13:07	8270C
Chrysene	ND	0.010	mg/L	100	P2L2006	12/12/22 07:00	12/12/22 13:07	8270C
Dibenzo (a,h) anthracene	ND	0.010	mg/L	100	P2L2006	12/12/22 07:00	12/12/22 13:07	8270C
Fluoranthene	ND	0.010	mg/L	100	P2L2006	12/12/22 07:00	12/12/22 13:07	8270C
Fluorene	0.071	0.010	mg/L	100	P2L2006	12/12/22 07:00	12/12/22 13:07	8270C
Indeno (1,2,3-cd) pyrene	ND	0.010	mg/L	100	P2L2006	12/12/22 07:00	12/12/22 13:07	8270C
Naphthalene	0.027	0.010	mg/L	100	P2L2006	12/12/22 07:00	12/12/22 13:07	8270C
Phenanthrene	0.11	0.010	mg/L	100	P2L2006	12/12/22 07:00	12/12/22 13:07	8270C
Pyrene	ND	0.010	mg/L	100	P2L2006	12/12/22 07:00	12/12/22 13:07	8270C

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05
Project Number: TNM 98-05
Project Manager: Curt Stanley

MW-2
2L06003-02 (Water)

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

PAH compounds by Semivolatile GCMS

1-Methylnaphthalene	0.0017	0.00010	mg/L	1	P2L2006	12/12/22 07:00	12/12/22 13:27	8270C
2-Methylnaphthalene	0.00056	0.00010	mg/L	1	P2L2006	12/12/22 07:00	12/12/22 13:27	8270C
Acenaphthene	ND	0.00010	mg/L	1	P2L2006	12/12/22 07:00	12/12/22 13:27	8270C
Acenaphthylene	0.00093	0.00010	mg/L	1	P2L2006	12/12/22 07:00	12/12/22 13:27	8270C
Anthracene	0.0014	0.00010	mg/L	1	P2L2006	12/12/22 07:00	12/12/22 13:27	8270C
Benzo (a) anthracene	ND	0.00010	mg/L	1	P2L2006	12/12/22 07:00	12/12/22 13:27	8270C
Benzo (a) pyrene	ND	0.00010	mg/L	1	P2L2006	12/12/22 07:00	12/12/22 13:27	8270C
Benzo (b) fluoranthene	ND	0.00010	mg/L	1	P2L2006	12/12/22 07:00	12/12/22 13:27	8270C
Benzo (g,h,i) perylene	ND	0.00010	mg/L	1	P2L2006	12/12/22 07:00	12/12/22 13:27	8270C
Benzo (k) fluoranthene	ND	0.00010	mg/L	1	P2L2006	12/12/22 07:00	12/12/22 13:27	8270C
Chrysene	ND	0.00010	mg/L	1	P2L2006	12/12/22 07:00	12/12/22 13:27	8270C
Dibenzo (a,h) anthracene	ND	0.00010	mg/L	1	P2L2006	12/12/22 07:00	12/12/22 13:27	8270C
Fluoranthene	ND	0.00010	mg/L	1	P2L2006	12/12/22 07:00	12/12/22 13:27	8270C
Fluorene	0.0012	0.00010	mg/L	1	P2L2006	12/12/22 07:00	12/12/22 13:27	8270C
Indeno (1,2,3-cd) pyrene	ND	0.00010	mg/L	1	P2L2006	12/12/22 07:00	12/12/22 13:27	8270C
Naphthalene	0.00058	0.00010	mg/L	1	P2L2006	12/12/22 07:00	12/12/22 13:27	8270C
Phenanthrene	0.0038	0.00010	mg/L	1	P2L2006	12/12/22 07:00	12/12/22 13:27	8270C
Pyrene	ND	0.00010	mg/L	1	P2L2006	12/12/22 07:00	12/12/22 13:27	8270C

Permian Basin Environmental Lab, L.P.

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

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

TRC Solutions- Midland, Texas	Project: 98-05
10 Desta Dr STE 150E	Project Number: TNM 98-05
Midland TX, 79705	Project Manager: Curt Stanley

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

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

Project: 98-05
Project Number: TNM 98-05
Project Manager: Curt Stanley

Notes and Definitions

ROI Received on Ice

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

NPBEL C Chain of Custody was not generated at PBELAB

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date: 12/20/2022

Brent Barron, Laboratory Director/Technical Director

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

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

Permian Basin Environmental Lab, L.P.

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

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



CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235
PBELAB_SUB_COC_V2

Project Manager: Brent Barron

Project Name: SUBCONTRACT

Company Name: PBEL

Project #:

Company Address: 1400 Rankin HWY

Project Loc:

City/State/Zip: Midland Texas 79701

PO #:

Telephone No: 432-661-4184

Fax No:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

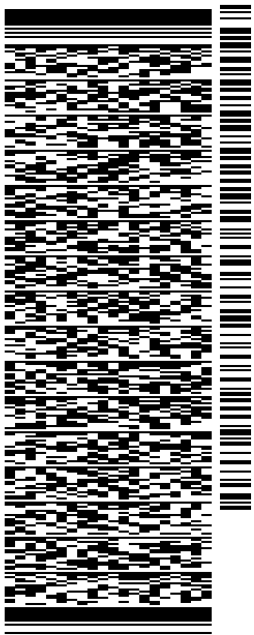
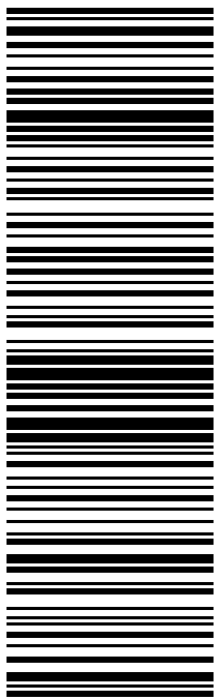
Sampler Signature: N/A

e-mail: brentbarron@pbelab.com

(lab use only)										Analyze For:											
ORDER #:										Preservation & # of Containers					Matrix						
LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	ICE	HNO ₃ 250 poly 1	HCl 3 40mL VOA	H ₂ SO ₄ 1 AMBER 500/250POLY	NaOH /Ascorbic Acid 250ML P	Na ₂ S ₂ O ₃	NONE	NONE 3 AMBER VOAA VIALS	DW=Drinking Water SL=Sludge	GW = Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	8270C PAH LL	48 HOUR RUSH	STANDARD
	2L06003-01			12/5/2022	10:45		3	X							X	W	X				X
	2L06003-02			12/5/2022	11:10		3	X							X	W	X				X

SPECIAL INSTRUCTIONS:

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

ORIGIN ID:MAFA (432) 686-7235 BRENT BARRON PBE LAB 1400 RANKIN HWY MIDLAND, TX 79701 UNITED STATES US		SHIP DATE: 07DEC22 ACTWGT: 10.00 LB CAD: 107136846/INET4530
TO SAMPLE RECEIVING ALS-HOUSTON 10450 STANCLIFF RD		
HOUSTON TX 77099 REF: (281) 530-5615 INV: PO: DEPT:		
		
		
581J39A97/FE2D		
TRK# 7707 0634 5875 0201	THU - 08 DEC 4:30P STANDARD OVERNIGHT	TX-US IAH 77099
		
AB SGRA		

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

District I - (505) 393-6161
P.O. Box 1940
Tobbs, NM 88241-1980
District II - (505) 748-1283
111 South First
Artesia, NM 88210
District III - (505) 834-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

Form C-141
Originated 2/13/97

98-05A

Submit 2 copies to
Appropriate District
Office in accordance
with Rule 116 on
back side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name Texas-New Mexico Pipe Line Company		Contact Edwin H. Gripp
Address Box 60028		Telephone No. 915-947-9000
Facility Name San Angelo, TX 76906		Facility Type pipe line
Surface Owner Nadine Owen	Mineral Owner	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	26	21S	37E					Lea

NATURE OF RELEASE

Type of Release Sour Crude	Volume of Release 38 barrels	Volume Recovered 4 barrels
Source of Release 6" gathering line	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 2/5/98; 10:25 a.m.
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If Yes, To Whom? Linda Williams (Clerk #4)	
By Whom? Johnny W. Chapman	Date and Hour 2/5/98; 3:00 p.m.	
Was a Watercourse Reached? ☐ Yes ☒ No	If Yes, Volume Impacting the Watercourse N/A	
If a Watercourse was Impacted, Describe Fully: N/A		

Describe Cause of Problem and Remedial Action Taken.

Internal Corrosion
Leak successfully clamped off.

Describe Area Affected and Cleanup Action Taken.

Approximately 1260 sq.ft. pasture land.
Contaminated soil will be excavated and put on plastic.

Describe General Conditions Prevailing (Temperature, Precipitation, etc.).

Cloudy; 60 degrees

I hereby certify that the information given above is true and complete to the best of
my knowledge and belief.

Signature: *Edwin H. Gripp*
Printed Name: Edwin H. Gripp

Title: District Manager

Date: 2/12/98

Phone: 915-947-9000

OIL CONSERVATION DIVISION

Approved by
District Supervisor

Approval Date

Expiration Date

Conditions of Approval:

Attached ☐

* Attach Additional Sheets If Necessary

State Oil Commission

Hazardous Waste Section

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 201460

CONDITIONS

Operator: PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	OGRID:
	34053
	Action Number: 201460
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Review of 2022 ANNUAL GROUNDWATER MONITORING REPORT: Content satisfactory Contractor anticipated actions approved by NMOCD and are as follows; 1. Continue gauging monitor wells MW-1, MW-2, MW-10, MW-12, and MW-13 and aggressively pump on a monthly schedule in 2023 reporting period 2. Continue collecting quarterly groundwater samples in 2023 3. Continue sampling for PAH analysis from monitor wells MW-1, MW-2, MW-10, and MW-13 4. Conducted low-flow sampling of MNA parameters on monitor wells MW-5, MW-3, MW-13, MW-10, MW-6, and MW-12 during each quarterly sampling event. 5. Submit the Annual Monitoring Report to the NMOCD no later than April 1, 2024.	4/26/2023