



**2024
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
NMOCD Reference AP-12
INCIDENT # nAPP2109544011**

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INTRODUCTION

On behalf of Plains Marketing, L.P. (Plains), TRC Environmental Corporation (TRC) is pleased to submit this 2024 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. A map depicting site details and well locations is provided for reference as Figure 2.

Groundwater monitoring was conducted each quarter of 2024 to assess the levels and extent of dissolved phase constituents and Phase Separated Hydrocarbon (PSH). The groundwater monitoring events consisted of measuring static water levels in the monitor wells and purging and sampling of each well exhibiting sufficient recharge. Monitor wells exhibiting a thickness of PSH greater than 0.01 foot were not sampled as per a NMOCD directive, with the exception of monitor wells selected as part of monitored natural attenuation (MNA) sampling activities.

SITE DESCRIPTION AND BACKGROUND INFORMATION

The 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 ranging from 0.01 feet to 0.07 feet were present in monitor well MW-10 during the 2024 reporting period. A measurable thickness of 0.01 foot of PSH was observed in monitor well MW-13 during the 2024 reporting period. PSH data for the 2024 gauging events can be found in Table 1.

PSH abatement in conjunction with dissolved phase hydrocarbon abatement via hand bailing occurred monthly during 2024. Approximately 0.4 gallons of PSH was recovered during 2024. A total of approximately 2,990.71 gallons (71.2 barrels) of PSH have been recovered since project inception. Recovered fluids were disposed of at a NMOCD-approved facility as directed by Plains.

GROUNDWATER ASSESSMENT ACTIVITIES FOR 2024

Gauging and Groundwater Abatement

Gauging and groundwater dissolved phase hydrocarbon abatement events via hand bailing occurred monthly at the Site during the 2024. Approximately 1,731.6 gallons (41.2 barrels) of water was recovered from monitor wells MW-2, MW-10, and MW-13 during 2024. Recovered fluids were disposed of at a NMOCD-approved facility as directed by Plains.

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		

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

Quarterly sampling events for the calendar year 2024 were conducted on February 15, May 15, September 17-18, October 31-November 1, 2024. 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 0.0031 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 0.0031, 0.0030, and 0.0032 feet/foot, respectively. The corrected groundwater elevations ranged between 3342.75 and 3,344.74 feet above mean sea level, in monitor well MW-2 on October 15, 2024, and monitor well MW-13 on December 3, 2024, respectively. Groundwater elevation data for the calendar year 2024 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 2024 reporting period were delivered to Permian Basin Environmental Laboratories in Midland, Texas for determination of BTEX constituent concentrations by EPA Method 8021B. Polynuclear Aromatic Hydrocarbons (PAH) analysis by EPA Method 8270 was conducted during the 2024 calendar year on monitor wells MW-1, MW-2, MW-3, MW-10 and MW-13. 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 2024 are summarized in Table 2 and historical concentrations of BTEX in groundwater are summarized in Table 5. The 2024 polynuclear aromatic hydrocarbon concentrations in groundwater are summarized in Table 3 and the historical polynuclear aromatic hydrocarbon concentrations in groundwater are summarized in Table 6. Copies of the laboratory reports generated for 2024 are provided in Appendix B. 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 less than applicable laboratory RL during 3rd quarter to 0.00850 mg/L during 1st quarter. Benzene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Toluene concentrations ranged from less than applicable laboratory RL during the 3rd quarter to 0.00347 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 and 3rd quarter to 0.00250 mg/L during the 2nd quarter. Ethylbenzene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Xylene concentrations ranged from less than applicable laboratory RL during the 3rd quarter to 0.0137 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 fluorene (0.0053 mg/L), phenanthrene (0.0081 mg/L) and naphthalene (0.072 mg/L).

Monitor well MW-2 is sampled on a quarterly schedule and analytical results indicated benzene concentrations ranged from 0.0283 mg/L during the 4th quarter to 0.128 mg/L during the 2nd quarter of 2024. Benzene concentrations were above the NMOCD regulatory guidelines during all quarters of the reporting period. Toluene concentrations ranged from 0.00382 mg/L during the 4th quarter to 0.0200 mg/L during the 3rd quarter of the reporting period. Toluene concentrations were below the NMOCD regulatory guidelines during all quarters of the reporting period. Ethylbenzene concentrations ranged from 0.00598 mg/L during the 4th quarter to 0.0845 mg/L during the 1st quarter of 2024. Ethylbenzene concentrations were below the NMOCD regulatory guidelines during all quarters of the reporting period. Xylene concentrations ranged from 0.0138 mg/L during the 4th quarter to 0.368 mg/L during the 1st quarter of 2024. Xylene

concentrations were below the NMOCD regulatory guidelines during all quarters of the reporting period.

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

Monitor well MW-3 is sampled on an annual schedule however, MW-3 was selected as an MNA parameter well and as such was sampled during all four (4) quarters. Analytical results indicated BTEX constituent concentrations were less than the laboratory RL and below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. PAH analysis was not required during the 4th quarter sampling event.

Please note, monitor well MW-3 was selected as MNA parameter well and is located 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
02/15/24	MW-3	7.03	21.91	0	164.3	6.39	0.63
05/15/24	MW-3	7.53	22.70	2.01	114.1	6.64	412.85
09/17/24	MW-3	7.78	22.96	1.86	98.6	6.65	1109.9
10/31/24	MW-3	7.48	22.74	1817.6	26.3	7.80	154.75

Analytical benzene data for up to the previous eight (8) quarters 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 up to the previous eight (8) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “Stable” in monitor well MW-3. Analytical ethylbenzene data for up to the previous eight (8) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “Stable” in monitor well MW-3. Analytical xylene data for up to the previous eight (8) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “Decreasing” in monitor well MW-3.

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

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

Monitor well MW-5 is sampled on an annual schedule however, MW-5 was selected as an MNA parameter well and as such was sampled during all four (4) quarters. Analytical results indicated BTEX constituent concentrations were less than the laboratory RL and below the

NMOCD regulatory guidelines during all four (4) quarters of the reporting period. PAH analysis was not required during the 4th quarter sampling event. 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
02/15/24	MW-5	7.09	21.30	2.18	158.5	6.67	2,133.7
05/15/24	MW-5	7.50	23.93	2.11	115.2	6.95	3002.5
09/17/24	MW-5	7.63	22.29	1.88	107.9	6.90	838.83
10/31/24	MW-5	7.49	21.37	1,943.1	11.7	7.38	298.25

Analytical benzene data for up to the previous eight (8) quarters 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 up to the previous eight (8) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “Stable” in monitor well MW-5. Analytical ethylbenzene data for up to the previous eight (8) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “Stable” in monitor well MW-5. Analytical xylene data for up to the previous eight (8) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “Decreasing” 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 however, MW-6 was selected as an MNA parameter well and as such was sampled during all four (4) quarters. Analytical results indicated BTEX constituent concentrations were less than the laboratory RL and below 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-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
02/15/24	MW-6	6.69	21.23	2.41	120.9	1.25	1,807.9
05/15/24	MW-6	7.12	24.73	2.32	42.3	0.88	502.97
09/17/24	MW-6	7.56	21.98	2.08	117.1	0.30	859.88
10/31/24	MW-6	7.09	21.28	2101.5	36.3	0.20	414.46

Analytical benzene data for up to the previous eight (8) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “Stable” in monitor well MW-6. Analytical toluene data for up to the previous eight (8) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “Stable” in monitor well MW-6. Analytical ethylbenzene data for up to the previous eight (8) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “Stable” in monitor well MW-6. Analytical xylene data for up to the previous eight (8) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “Decreasing” 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 is sampled on an annual schedule and the analytical results indicated BTEX constituent concentrations were less than the applicable laboratory RL and the NMOCD regulatory guideline during the 4th quarter sampling event. PAH analysis was not required during the 4th quarter sampling event.

Monitor well MW-8 is sampled on an annual schedule and the analytical results indicated BTEX constituent concentrations were less than the applicable laboratory RL and the NMOCD regulatory guideline during the 4th quarter sampling event. The analytical results indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines since the 1st quarter of 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 BTEX constituent concentrations were less than the applicable laboratory RL and the NMOCD regulatory guideline during the 4th quarter sampling event. The analytical results indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines since the 1st quarter of 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 0.0236 mg/L during the 1st quarter to 0.0527 mg/L during the 4th quarter of 2024. Benzene concentrations were above the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Toluene concentrations ranged from 0.0030 mg/L during 3rd quarter to 0.0182 mg/L during the 2nd quarter of 2024. Toluene concentrations were below the NMOCD regulatory guidelines during the four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from 0.0014 mg/L during the 1st quarter to 0.0209 mg/L during the 2nd quarter of 2024. Ethylbenzene concentrations were below the NMOCD regulatory guidelines all four (4) quarters of the reporting period. Xylene concentrations ranged from 0.0046 mg/L during the 1st quarter to 0.0386 mg/L during the 2nd quarter of 2024. 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 (0.0039 mg/L), phenanthrene (0.0041 mg/L) and naphthalene (0.0346 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
02/15/24	MW-10	6.62	20.38	2.46	-77.9	0.06	458.08
05/15/24	MW-10	7.06	25.39	2.37	-142.1	0.43	240.32
09/17/24	MW-10	7.11	24.15	2.26	-186.5	0.20	1,176.8
10/31/24	MW-10	6.98	22.05	2239.5	-367.9	0.03	206.02

Analytical benzene data for up to the previous eight (8) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “Stable” in monitor well MW-10. Analytical toluene data for up to the previous eight (8) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “No Trend” in monitor well MW-10. Analytical ethylbenzene data for up to the previous eight (8) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “No Trend” in monitor well MW-10. Analytical xylene data for up to the previous eight (8) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “No Trend” 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 BTEX constituent concentrations were less than the applicable laboratory RL and the NMOCD regulatory guideline during the 4th quarter sampling event. The analytical results indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines since the 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
02/15/24	MW-12	6.61	20.72	2.33	98	0.12	225.53
05/15/24	MW-12	7.06	24.41	2.27	-78.5	1.25	301.21
09/17/24	MW-12	7.08	26.44	2.22	-47.5	0.28	1,028.4
10/31/24	MW-12	6.96	21.32	2070.5	-302.3	0.11	249.61

Analytical benzene data for up to the previous eight (8) quarters was entered into the GSI Mann-Kendall Toolkit (GSI-MKT), which indicated the Concentration Trend was “stable” in monitor well MW-12. Analytical toluene data for up to the previous ten eight (8) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “Stable” in monitor well MW-12. Analytical ethylbenzene data for up to the previous ten eight (8) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “Stable” in monitor well MW-12. Analytical xylene data for up to the previous eight (8) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “Decreasing” 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 1.80 mg/L during the 3rd quarter to 2.90 mg/L during the 1st quarter of 2024. Benzene concentrations were above the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Toluene concentrations ranged from 0.00170 mg/L during the 3rd quarter to 0.00392 mg/L during the 4th quarter of 2024. Toluene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from 0.0066 mg/L during the 4th quarter to 0.0131 mg/L during the 2nd quarter of 2024. Ethylbenzene concentrations were below the NMOCD

regulatory guidelines during all four (4) quarters of the reporting period. Xylene concentrations ranged from 0.00776 mg/L during the 4th quarter to 0.0166 mg/L during the 3rd quarter of 2024. 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 fluorene (0.0013 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
02/15/24	MW-13	6.63	20.24	2.71	-114.7	0.72	101.13
05/15/24	MW-13	6.95	22.98	2.64	-215.1	0.12	119.63
09/17/24	MW-13	7.08	27.09	2.51	-228.4	0.27	1047.6
10/31/24	MW-13	6.94	20.94	2,473.9	377.4	0.26	184.40

Analytical benzene data for up to the previous eight (8) quarters was entered into the GSI Mann-Kendall Toolkit (GSI-MKT), which indicated the Concentration Trend was “Stable” in monitor well MW-13. Analytical toluene data for up to the previous eight (8) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “Stable” in monitor well MW-13. Analytical ethylbenzene data for up to the previous eight (8) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “Decreasing” in monitor well MW-13. Analytical xylene data for up to the previous eight (8) quarters 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 (i.e., dissolved oxygen and nitrate) tend to get consumed first and plumes tend to be limited in them toward the plume center while having excess of the other electron acceptors toward the periphery. For this reason, the groundwater geochemistry of hydrocarbon plumes tends to be characterized by concentric three-dimensional regions each dominated by one of the reactions listed above. The largest source of electron donors at petroleum release sites is typically petroleum hydrocarbons (e.g., light non-aqueous phase liquids [LNAPLs]); therefore, the center of the concentric region near the origin of a release area tends to be at the location where LNAPL is most likely to be present. Please note, LNAPL and PSH are used interchangeably in this report.

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

Dissolved-phase hydrocarbon plumes begin to spread out from a release area within the subsurface along the direction of groundwater flow (controlled by advection), perpendicular to groundwater flow (controlled by diffusion), and vertically (controlled by infiltration and advection) following the release. LNAPL, when present, tends to be smeared within the soil

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

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

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

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

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

For the 1st quarter of 2024, the analytical results for concentrations of benzene ranged from less than the applicable laboratory RL for monitor wells MW-5, MW-3, MW-6, and MW-12 to 2.9 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 2.63 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 1.8 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 1.83 mg/L for monitor well MW-13.

Please reference Table 7 for GSI-MKT benzene results. Analytical benzene data for the previous eight (8) quarters was entered into the GSI-MKT for monitor wells MW-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”, “Decreasing”, “Stable”, “Stable”, and “Stable”.

For the 1st quarter of 2024, 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 0.00344 mg/L for monitor well MW-10.

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, and MW-12 to 0.0182 mg/L for monitor well MW-10.

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, and MW-12 to 0.00295 mg/L for monitor well MW-10.

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 0.00633 mg/L for monitor well MW-10.

Please reference Table 8 for GSI-MKT toluene results. Analytical toluene data for the previous eight (8) quarters was entered into the GSI-MKT for monitor wells MW-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”, “No Trend”, “Stable”, and “Stable”.

For the 1st quarter of 2024, 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 0.0126 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, and MW-12 to 0.0209 mg/L for monitor well MW-10.

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 0.0119 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 0.0066 mg/L for monitor well MW-13.

Please reference Table 9 for GSI-MKT ethylbenzene results. Analytical ethylbenzene data for the previous eight (8) quarters was entered into the GSI-MKT for monitor wells MW-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”, “Decreasing”, “No Trend”, “Stable”, and “Stable”.

For the 1st quarter of 2024, 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 0.01361 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 0.0386 mg/L for monitor well MW-10.

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 0.01655 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 0.02106 mg/L for monitor well MW-10.

Please reference Table 10 for GSI-MKT xylene results. Analytical xylene data for the previous eight (8) quarters was entered into the 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”, “Decreasing”, “Stable”, “No Trend”, “Decreasing”, and “Decreasing”. It should be noted that, with the exception of the May 2023 result for MW-3, all results for MW-5, MW-3, MW-6 and MW-12 were not detected for xylene. Therefore, the decreasing trend predicted for these four monitor wells reflects the trend of the detection limits and not the actual concentration of xylene. On this basis and in accordance with the user’s guide for the GSI-MKT, the concentration of xylenes in monitoring wells MW-5, MW-3, MW-6 and MW-12 were judged to exhibit “No Trend”. For the 1st quarter of 2024, the analytical results for concentrations of TOC ranged from 1 mg/L for monitor well MW-3, to 8.44 mg/L for monitor well MW-13.

For the 2nd quarter, the analytical results for concentrations of TOC ranged from 3.92 mg/L for monitor well MW-12, to 16 mg/L for monitor well MW-13.

For the 3rd quarter, the analytical results for concentrations of TOC ranged from 1.54 mg/L for monitor well MW-13, to 9 mg/L for monitor well MW-10.

For the 4th quarter, the analytical results for concentrations of TOC from 2.63 for monitor well MW-3, to 24.3 mg/L for monitor well MW-10.

Please reference Table 11 for GSI-MKT TOC results. Analytical TOC data for the previous eight (8) quarters was entered into the 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”, “No Trend”, “No Trend”, and “Probably Increasing”.

For the 1st quarter of 2024, the analytical results for concentrations of Dissolved Methane ranged from 0.000995 mg/L for monitor well MW-5 to 2.75 mg/L for monitor well MW-13.

For the 2nd quarter, the analytical results for concentrations of Dissolved Methane were below the applicable reporting limit for monitor well MW-5, MW-3, MW-13, MW-10, MW-6, and MW-12.

For the 3rd quarter, the analytical results for concentrations of Dissolved Methane ranged from 0.00167 mg/L for monitor well MW-5 to 3.7 mg/L for monitor well MW-10.

For the 4th quarter, the analytical results for concentrations of Dissolved Methane ranged from 0.00133 mg/L for monitor well MW-5 to 3.15 mg/L for monitor well MW-10.

Please reference Table 12 for GSI-MKT Dissolved Methane results. Analytical TOC data for the previous eight (8) quarters was entered into the GSI-MKT for monitor wells MW-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”, “Decreasing”, and “Increasing”.

For the 1st quarter of 2024, the analytical results for concentrations of Dissolved Ethane ranged from less than the applicable laboratory RL for monitor wells MW-5 and MW-3 to 0.0149 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, MW-13, MW-10, MW-6, and MW-12.

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, MW-6, and MW-12 to 0.0468 mg/L for monitor well MW-13.

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, MW-6, and MW-12, and MW-13 to 0.0143 mg/L for monitor well MW-10.

Please reference Table 13 for GSI-MKT Dissolved Ethane results. Analytical Dissolved Ethane data for the previous eight (8) quarters was entered into the GSI-MKT for monitor wells MW-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”, “No Trend”, “No Trend”, and “No Trend”.

For the 1st quarter of 2024, 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, MW-6, to 0.00252 mg/L for MW-12.

For the 2nd quarter, the analytical results for concentrations of Dissolved Ethene 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 Ethene 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 Dissolved Ethene 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 14 for GSI-MKT Dissolved Ethene results. Analytical Dissolved Ethene data for the previous eight (8) quarters was entered into the 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”, “No Trend”, “No Trend”, and “No Trend”.

For the 1st quarter of 2024, the analytical results for concentrations of Dissolved Iron (filtered) ranged from less than the applicable laboratory RL for monitor wells MW-5, MW-3, MW-13, MW-10, MW-6, and MW-12 to 0.326 mg/L for monitor well MW-13.

For the 2nd quarter, the analytical results for concentrations of Dissolved Iron (filtered) ranged from less than the applicable laboratory RL for monitor wells MW-5, MW-3, MW-13, and MW-6 to 0.345 mg/L for monitor well MW-12.

For the 3rd quarter, the analytical results for concentrations of Dissolved Iron (filtered) were less than the applicable laboratory RL for monitor wells MW-5, MW-13, MW-10, and MW-6 to 0.339 mg/L for MW-12.

For the 4th quarter, the analytical results for concentrations of Dissolved Iron (filtered) ranged from less than the applicable laboratory RL for monitor wells MW-5, MW-3, MW-10, and MW-6 to 0.395 mg/L for monitor well MW-13.

Please reference Table 15 for GSI-MKT Dissolved Iron (filtered) results. Analytical Dissolved Iron data for the previous eight (8) quarters was entered into the GSI-MKT for monitor wells MW-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”, “No Trend”, “No Trend”, “No Trend”, “Stable”, and “Increasing”.

For the 1st quarter of 2024, the analytical results for concentrations of Dissolved Manganese (filtered) ranged from less than the applicable laboratory RL 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 0.00878 mg/L for monitor wells MW-3 to 0.167 mg/L for monitor well MW-10.

For the 3rd quarter, the analytical results for concentrations of Dissolved Manganese (filtered) ranged from less than the applicable laboratory RL for monitor wells MW-5 to 0.168 mg/L for monitor well MW-10.

For the 4th quarter, the analytical results for concentrations of Dissolved Manganese (filtered) ranged from less than the applicable laboratory RL for monitor wells MW-3 and MW-5 to 0.156 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 eight (8) quarters was entered into the 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 “Probably Decreasing”, “No Trend”, “Stable”, “No Trend”, “Probably Decreasing”, and “Increasing”.

For the 1st quarter of 2024, the analytical results for concentrations of Nitrate ranged from less than the applicable laboratory RL for monitor wells MW-5 and MW-10, to 8.29 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-5, MW-3, MW-13, MW-10, and MW-12 to 1.38 mg/L for monitor well MW-6.

For the 3rd quarter, the analytical results for concentrations of Nitrate ranged from 0.944 mg/L for monitor well MW-13 to 5.3 mg/L for monitor well MW-6.

For the 4th quarter the analytical results for concentrations of Nitrate ranged from less than the applicable laboratory RL for monitor wells MW-13, MW-10, and MW-12 to 4.09 mg/L for monitor well MW-6.

Please reference Table 17 for GSI-MKT Nitrate results. Analytical Nitrate data for the previous eight (8) quarters was entered into the GSI-MKT for monitor wells MW-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 “No Trend”.

For the 1st quarter of 2024, the analytical results for concentrations of Sulfate ranged from 85.8 mg/L monitor well MW-13 to 204 mg/L for monitor well MW-3.

For the 2nd quarter, the analytical results for concentrations of Sulfate ranged from 24.5 mg/L monitor well MW-13 to 177 mg/L for monitor well MW-5.

For the 3rd quarter, the analytical results for concentrations of Sulfate ranged from 12.1 mg/L monitor well MW-13 to 177 mg/L for monitor well MW-5.

For the 4th quarter the analytical results for concentrations of Sulfate ranged from 34.5 mg/L monitor well MW-10 to 190 mg/L for monitor well MW-5.

Please reference Table 18 for GSI-MKT Sulfate results. Analytical Sulfate data for the previous eight (8) quarters was entered into the GSI-MKT for monitor wells MW-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”, “Probably Increasing”, “No Trend”, “Decreasing”, and “Stable”.

For the 1st quarter of 2024, the analytical results for concentrations of COD ranged from less than the applicable laboratory RL for monitor well MW-5, MW-3, MW-6, and MW-12 to 40 mg/L for monitor well MW-13.

For the 2nd quarter, the analytical results for concentrations of COD ranged from 2 mg/L for monitor well MW-5 to 43 mg/L for monitor well MW-13.

For the 3rd 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 32 mg/L for monitor well MW-13.

For the 4th quarter the analytical results for concentrations of COD ranged from less than the applicable laboratory RL for monitor well MW-3 and MW-6 to 48 mg/L for monitor well MW-13.

Please reference Table 19 for GSI-MKT COD results. Analytical COD data for the previous eight (8) quarters was entered into the GSI-MKT for monitor wells MW-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”, “Stable”, “No Trend”, “Decreasing”, and “No Trend”.

SUMMARY

This report presents the results of quarterly groundwater monitoring events and remedial activities for the 2024 reporting period. 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 map, Figure 2D, indicated a general gradient of approximately 0.0031 feet/foot to the southeast. The corrected groundwater elevations ranged between 3,344.67 and 3,343.19 feet above mean sea level, in monitor well MW-5 on May 14, 2024, and monitor well 6 on October 31, 2024, respectively.

A measurable thickness of PSH of 0.01 feet was present in monitor well MW-13 for the 2024 reporting period.

Approximately 0.4 gallons of PSH have was recovered for the 2024 reporting period.

Approximately 1,731.6 gallons (41.2 barrels) of dissolved phase impacted groundwater were recovered for the 2024 reporting period.

During all four (4) quarterly sampling events, benzene concentrations were above the NMOCD regulatory guidelines in monitor wells MW-2, MW-10, and MW-13. The other BTEX constituent concentrations for these wells were below the NMOCD regulatory guidelines for the 2024 reporting period.

BTEX constituent concentrations were below the NMOCD regulatory guidelines in the other nine (9) monitor wells (MW-1, MW-3, MW-5 through MW-9, MW-11, and MW-12).

Polynuclear Aromatic Hydrocarbons (PAH) analysis by EPA Method 8270 was conducted during the 4th quarter on monitor wells MW-1, MW-2, MW-10, and MW-13. Based on historical PAH analytical data, only those wells exhibiting elevated constituent concentrations above NMWQCC Drinking Water Standards are sampled, generally with the exclusion of those wells containing measurable PSH thicknesses.

ANTICIPATED ACTIONS

Monthly PSH abatement in conjunction with aggressive dissolved phase hydrocarbon impacted groundwater abatement will continue in 2025.

Quarterly monitor well gauging and groundwater sampling will continue in 2025.

Low-flow sampling of MNA parameters will continue on monitor wells MW-3, MW-5, MW-6, MW-10, MW-12, and MW-13 for each quarterly sampling event of the 2025 reporting period. Unforeseen circumstances may require modification of the sampling events.

Based on the results of previous PAH analysis, PAH analysis for samples from monitor wells MW-1, MW-2, MW-10, and MW-13 will be conducted in 2025.

An Annual Monitoring Report will be submitted to the NMOCD by April 1, 2025.

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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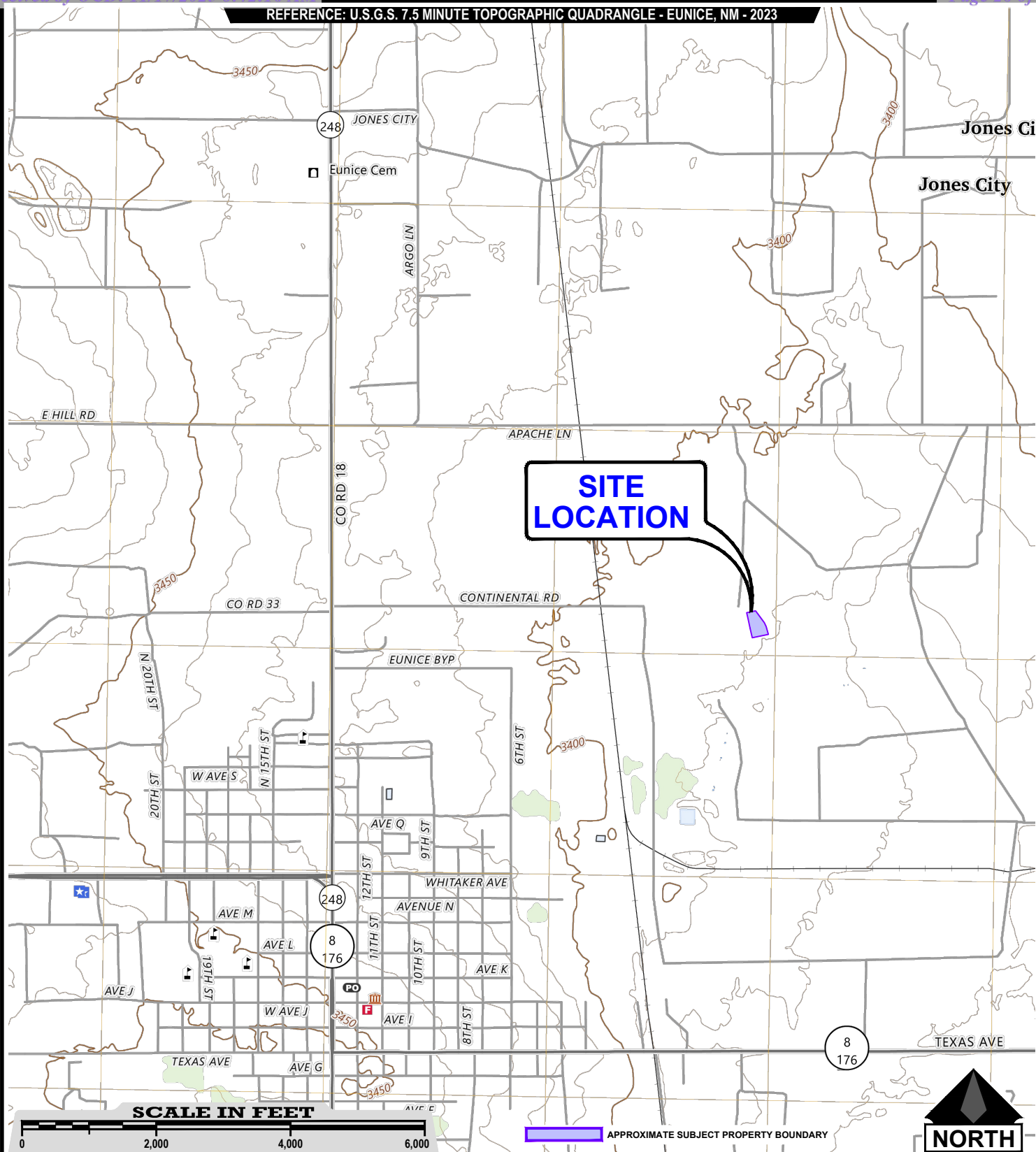
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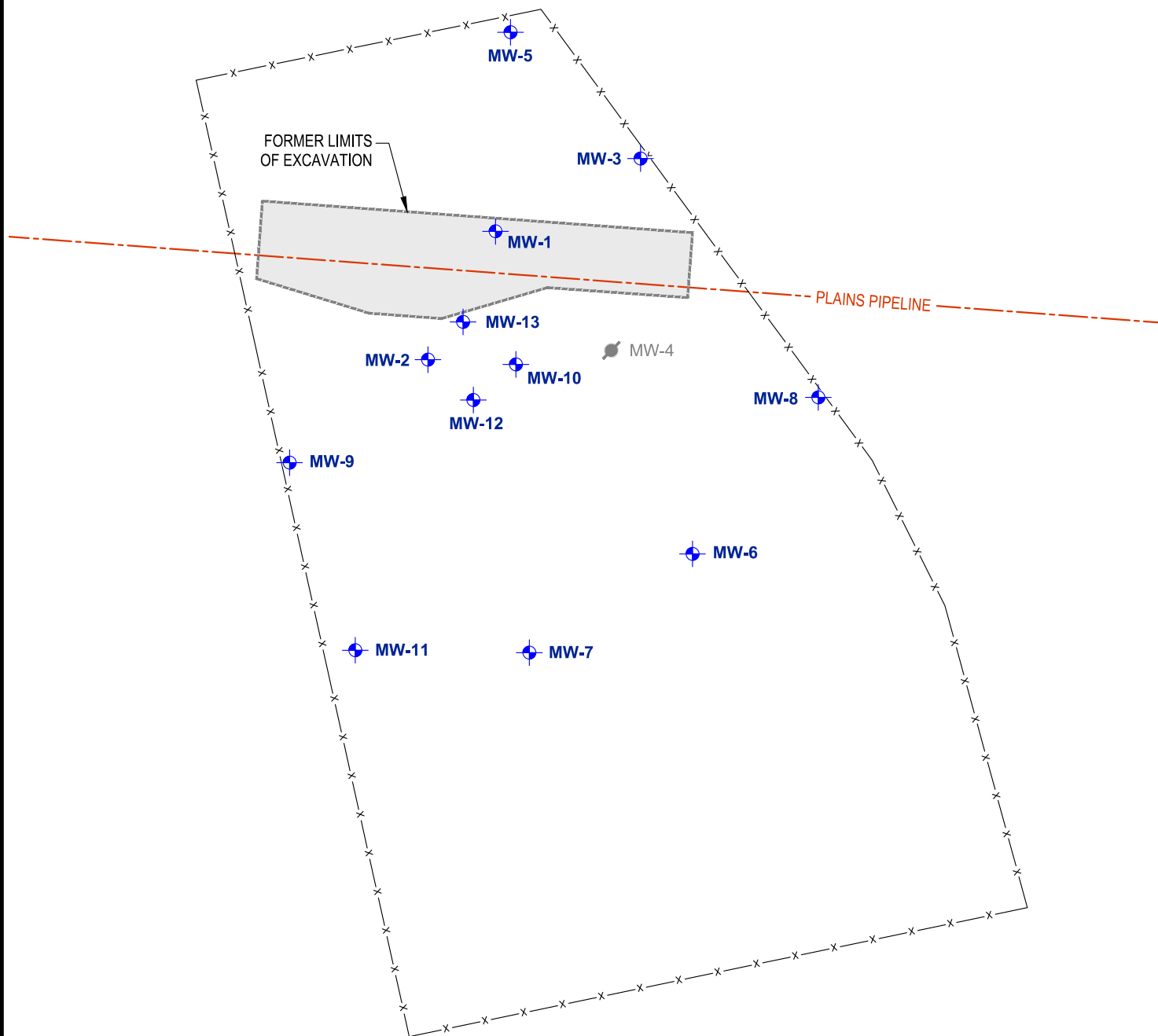
FIGURES

REFERENCE: U.S.G.S. 7.5 MINUTE TOPOGRAPHIC QUADRANGLE - EUNICE, NM - 2023



CLIENT / PROJECT		
PLAINS MARKETING, L.P. TNM 98-05A LEA COUNTY, NM		
TITLE		
SITE LOCATION MAP		
DRAWN BY: E. Alexander	REQUEST BY: J. Ferguson	PROJECT NO.
DWG. DATE: March 2025	PROJECT-MGR: J. Ferguson	014180
		FIGURE
10 DESTA DRIVE, STE. 150E MIDLAND, TEXAS 79705 PHONE: 432-520-7720 TRCcompanies.com		1

FILE LOCATION: HOU C:\OF-TRC\DRAWING-CDrive\ECR-Files\TRC-OFFICE-ALL-Other\TRC-OFFICE-Midland-TX\PLAINS Pipeline - New Mexico\TNM 98-05A - Lea Co-NM- Site Location-n-Site Map.dwg
 LAST EDIT: 10/06/2025 - FILE LOCATION: HOU C:\OF-TRC\DRAWING-CDrive\ECR-Files\TRC-OFFICE-ALL-Other\TRC-OFFICE-Midland-TX\PLAINS Pipeline - New Mexico\TNM 98-05A - Lea Co-NM- Site Location-n-Site Map.dwg



LEGEND

- PIPELINE
- MONITOR WELL LOCATION
- P & A WELL LOCATION (09/2005)
- FORMER EXCAVATION AREAS



0 30' 60'

SCALE IN FEET
1" = 60'-0"

CLIENT / PROJECT

PLAINS PIPELINE, L.P.
TNM 98-05A
Lea County, New Mexico

TITLE

SITE MAP

DRAWN BY: **O. Fonseca**

REQUEST BY: **J. Repman**

PROJECT NO.

DWG. DATE: **October 2025**

PROJECT-MGR: **J. Fergerson**

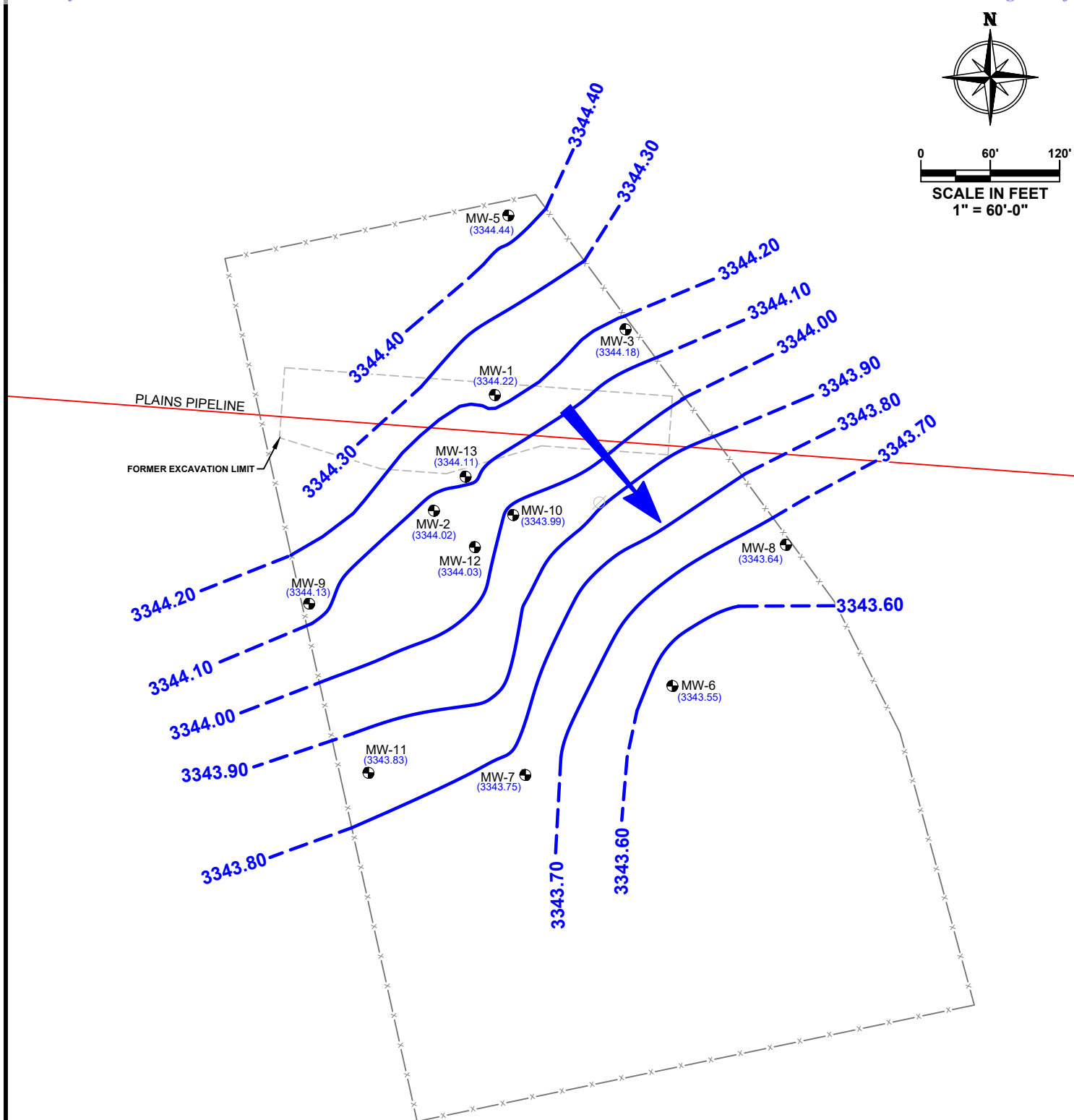
014180



10 DESTA DRIVE, STE. 410E
 MIDLAND, TEXAS 79705
 PHONE: 432-520-7720
TRCcompanies.com

FIGURE

2

**LEGEND:**

- MONITOR WELL LOCATION
- PLUGGED AND ABANDONED
- FENCE
- PIPELINE
- FORMER EXCAVATION LIMITS
- GROUNDWATER CONTOUR LINE
(DASHED WHERE INFERRED)
CONTOUR INTERVAL = 0.10 FOOT
- GROUNDWATER ELEVATION (FT MSL)
- NOT SAMPLED
- GROUNDWATER FLOW DIRECTION

CLIENT / PROJECT

PLAINS PIPELINE, L.P.
TNM 98-05A
LEA COUNTY, NEW MEXICO

TITLE

INFERRED GROUNDWATER GRADIENT MAP
(FEBRUARY 14, 2024)

DRAWN BY: **E. Alexander**REQUEST BY: **J. Ferguson**

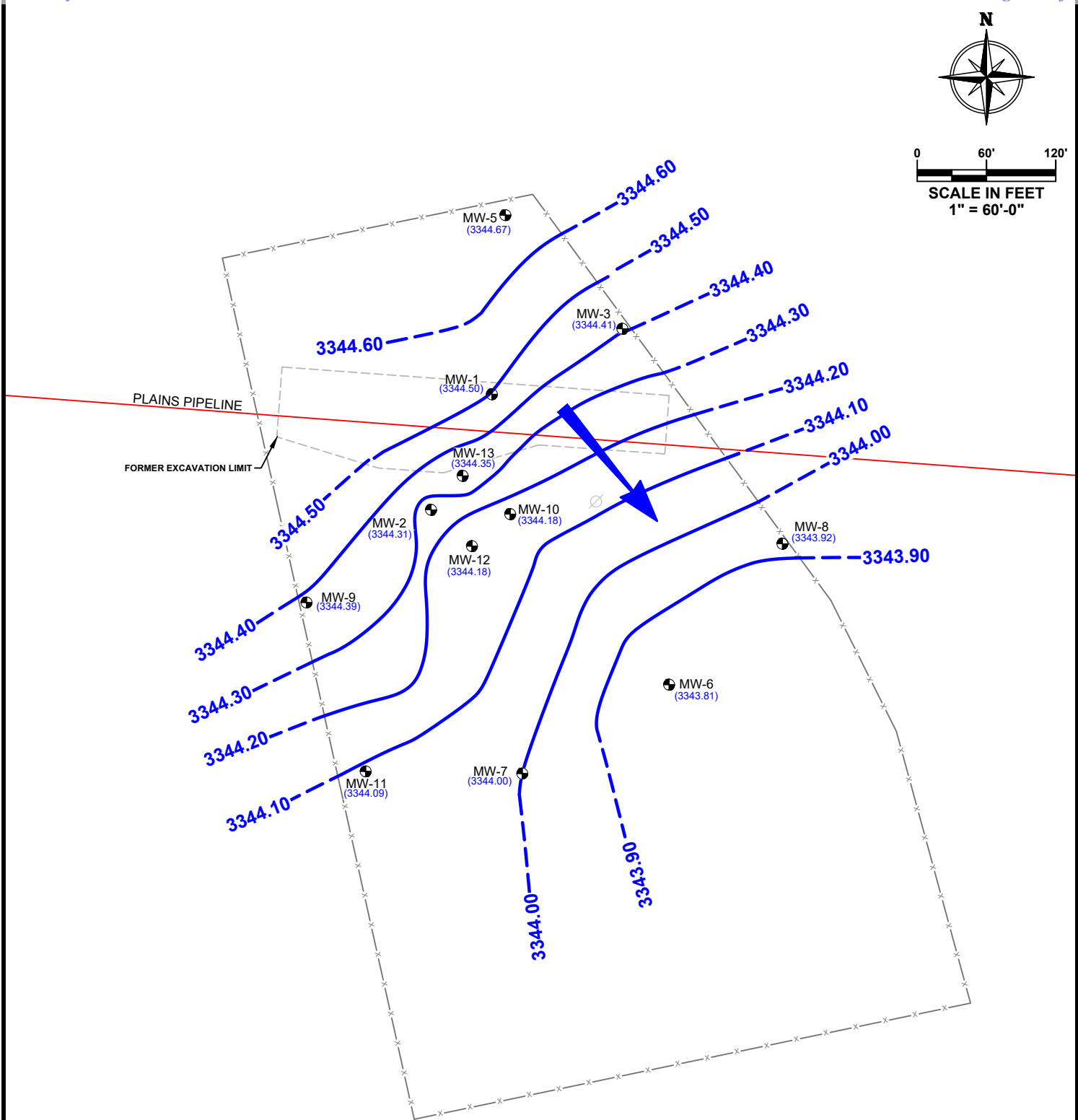
PROJECT NO.

DWG. DATE: **March 2025**PROJECT-MGR: **J. Ferguson****014180**

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

FIGURE

2A



LEGEND:

- MONITOR WELL LOCATION
- PLUGGED AND ABANDONED
- FENCE
- PIPELINE
- FORMER EXCAVATION LIMITS
- GROUNDWATER CONTOUR LINE
(DASHED WHERE INFERRED)
CONTOUR INTERVAL = 0.10 FOOT
- GROUNDWATER ELEVATION (FT MSL)
- NOT SAMPLED
- GROUNDWATER FLOW DIRECTION

CLIENT / PROJECT

PLAINS PIPELINE, L.P.
TNM 98-05A
LEA COUNTY, NEW MEXICO

TITLE

INFERRED GROUNDWATER GRADIENT MAP (MAY 14, 2024)

DRAWN BY: E. Alexander

REQUEST BY: J. Ferguson

PROJECT NO.

DWG. DATE: March 2025

PROJECT-MGR: J. Ferguson

014180



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

FIGURE

2B

LEGEND:

	MONITOR WELL LOCATION
	PLUGGED AND ABANDONED
	FENCE
	PIPELINE
	FORMER EXCAVATION LIMITS
	GROUNDWATER CONTOUR LINE
	(DASHED WHERE INFERRED)
	CONTOUR INTERVAL = 0.10 FOOT
	GROUNDWATER ELEVATION (FT MSL)
	NOT SAMPLED
	GROUNDWATER FLOW DIRECTION

CLIENT / PROJECT

PLAINS PIPELINE, L.P.
TNM 98-05A
LEA COUNTY, NEW MEXICO

TITLE

INFERRED GROUNDWATER GRADIENT MAP (SEPTEMBER 16, 2024)

DRAWN BY: E. Alexander

REQUEST BY: J. Fergerson

PROJECT NO.

DWG. DATE: March 2025

PROJECT-MGR:	J. Fergerson
--------------	--------------

014180



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

2C

LEGEND:

	MONITOR WELL LOCATION
	PLUGGED AND ABANDONED
	FENCE
	PIPELINE
	FORMER EXCAVATION LIMITS
	GROUNDWATER CONTOUR LINE
	(DASHED WHERE INFERRED)
	CONTOUR INTERVAL = 0.10 FOOT
	GROUNDWATER ELEVATION (FT MSL)
	NOT SAMPLED
	GROUNDWATER FLOW DIRECTION

CLIENT / PROJECT

PLAINS PIPELINE, L.P.
TNM 98-05A
LEA COUNTY, NEW MEXICO

TITLE

INFERRED GROUNDWATER GRADIENT MAP (OCTOBER 31, 2024)

DRAWN BY: E. Alexander

REQUEST BY: J. Fergerson

PROJECT NO.

DWG. DATE: March 2025

PROJECT-MGR: J. Fergerson

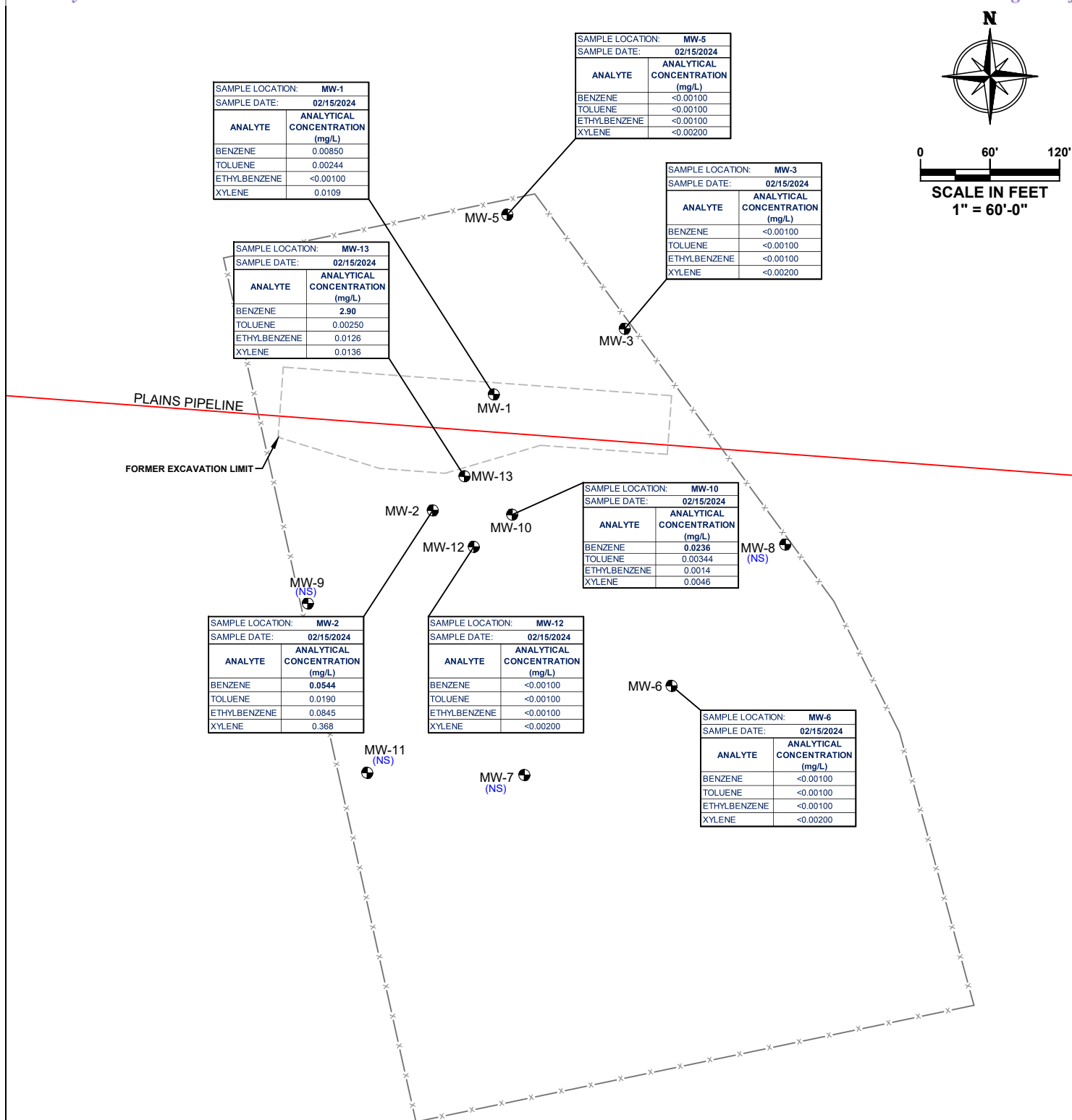
014180



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

FIGURE

2D

**LEGEND:**

- MONITOR WELL LOCATION
- PLUGGED AND ABANDONED
- FENCE
- PIPELINE
- FORMER EXCAVATION LIMITS
- 2.42' THICKNESS OF PSH (FEET)
- (NS) NOT SAMPLED
- <0.001 CONSTITUENT CONCENTRATION (mg/L)

CLIENT / PROJECT

PLAINS PIPELINE, L.P.
TNM 98-05A
LEA COUNTY, NEW MEXICO

TITLE

**GROUNDWATER CONCENTRATION
 AND INFERRED PSH EXTENT MAP
 (FEBRUARY 15, 2024)**

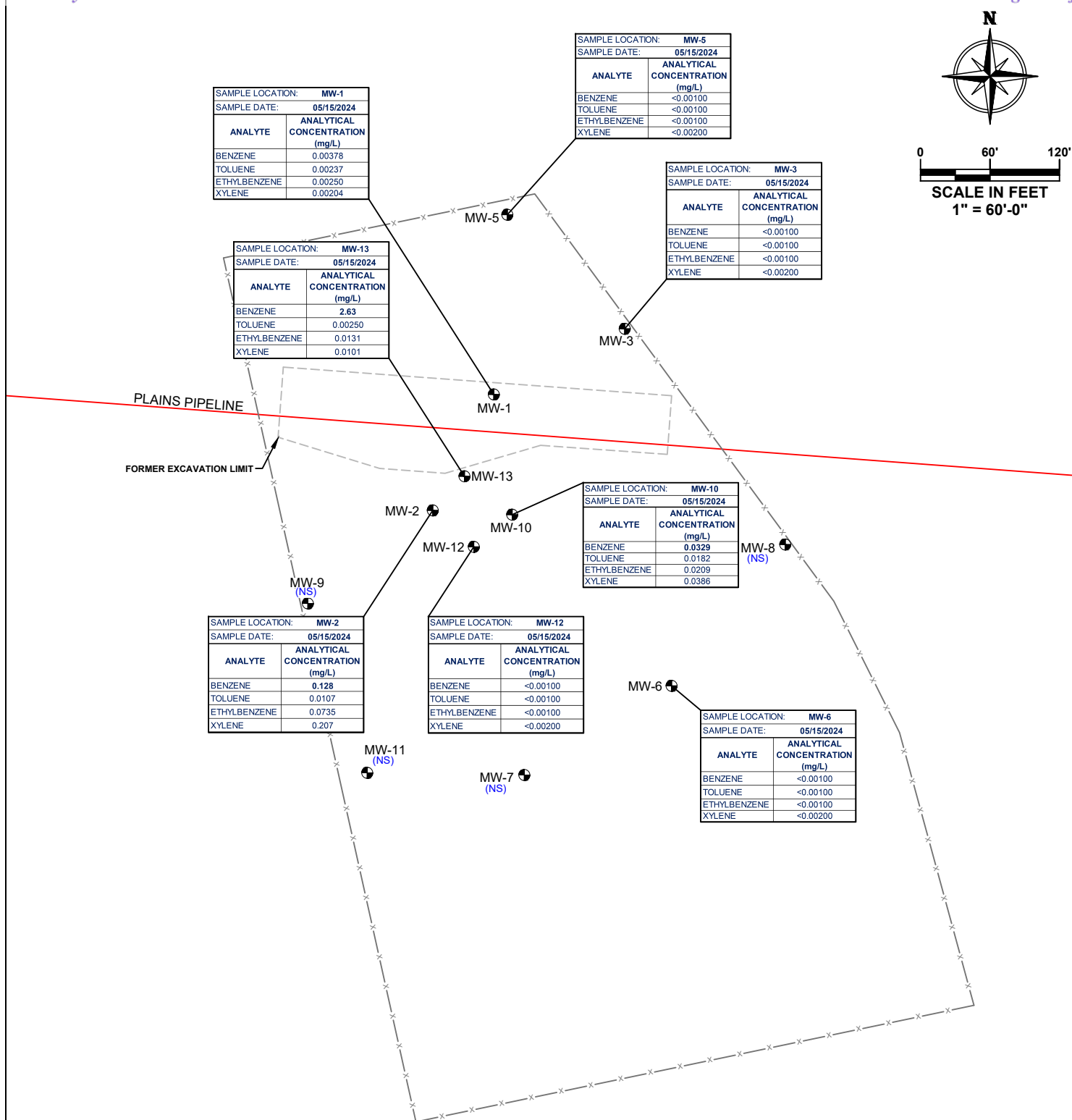
DRAWN BY: E. Alexander	REQUEST BY: J. Ferguson	PROJECT NO.
DWG. DATE: March 2025	PROJECT-MGR: J. Ferguson	014180



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

FIGURE

3A



LEGEND:

- MONITOR WELL LOCATION
- PLUGGED AND ABANDONED
- FENCE
- PIPELINE
- FORMER EXCAVATION LIMITS
- 2.42' THICKNESS OF PSH (FEET)
- (NS) NOT SAMPLED
- <0.001 CONSTITUENT CONCENTRATION (mg/L)

CLIENT / PROJECT

PLAINS PIPELINE, L.P.
 TNM 98-05A
 LEA COUNTY, NEW MEXICO

TITLE

**GROUNDWATER CONCENTRATION
 AND INFERRED PSH EXTENT MAP
 (MAY 15, 2024)**

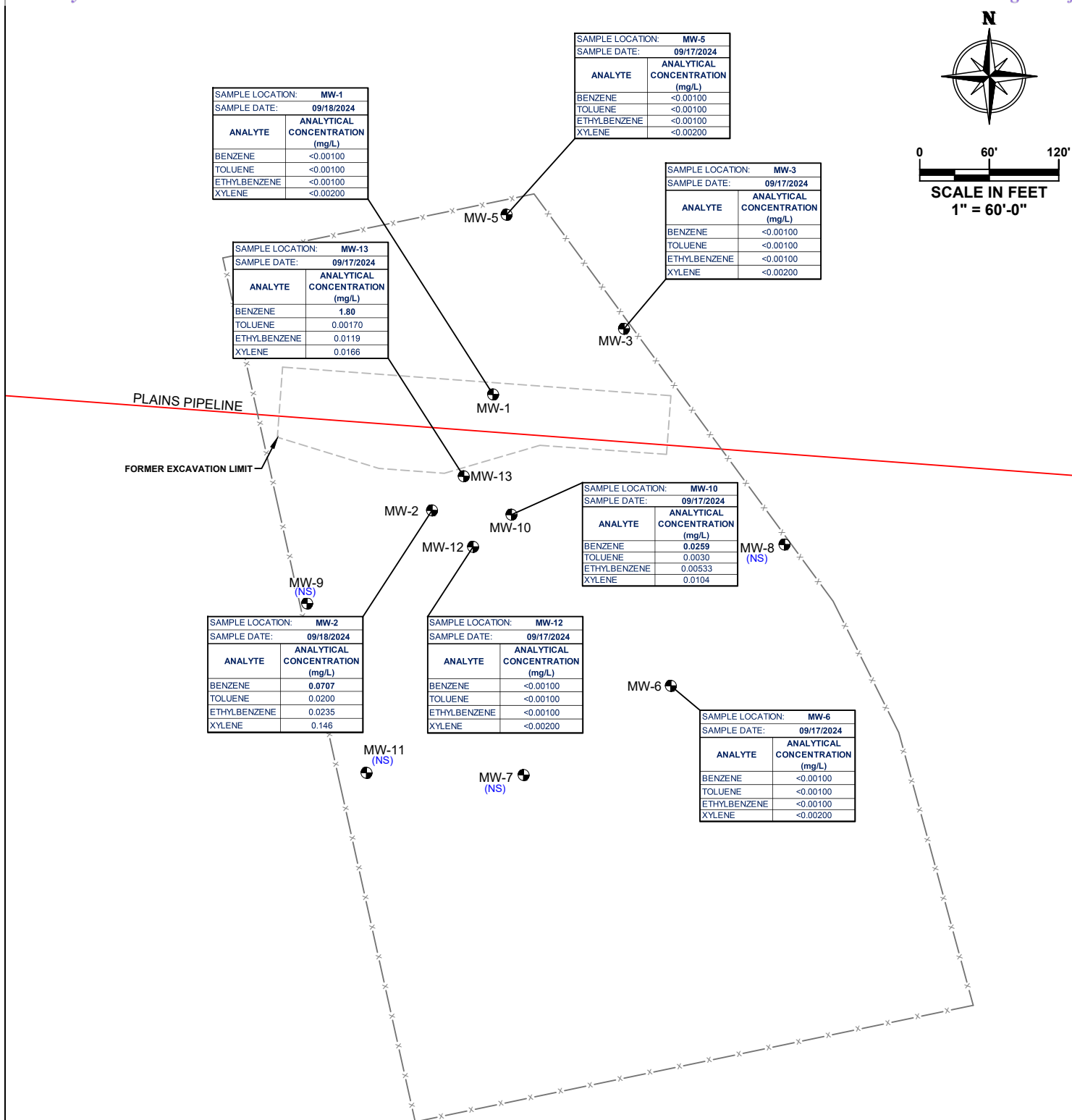
DRAWN BY: E. Alexander	REQUEST BY: J. Ferguson	PROJECT NO. 014180
DWG. DATE: March 2025	PROJECT-MGR: J. Ferguson	



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

FIGURE

3B



LEGEND:

- MONITOR WELL LOCATION
- PLUGGED AND ABANDONED
- FENCE
- PIPELINE
- FORMER EXCAVATION LIMITS
- 2.42' THICKNESS OF PSH (FEET)
- (NS) NOT SAMPLED
- <0.001 CONSTITUENT CONCENTRATION (mg/L)

CLIENT / PROJECT

PLAINS PIPELINE, L.P.
TNM 98-05A
LEA COUNTY, NEW MEXICO

TITLE

**GROUNDWATER CONCENTRATION
AND INFERRED PSH EXTENT MAP
(SEPTEMBER 17 & 18, 2024)**

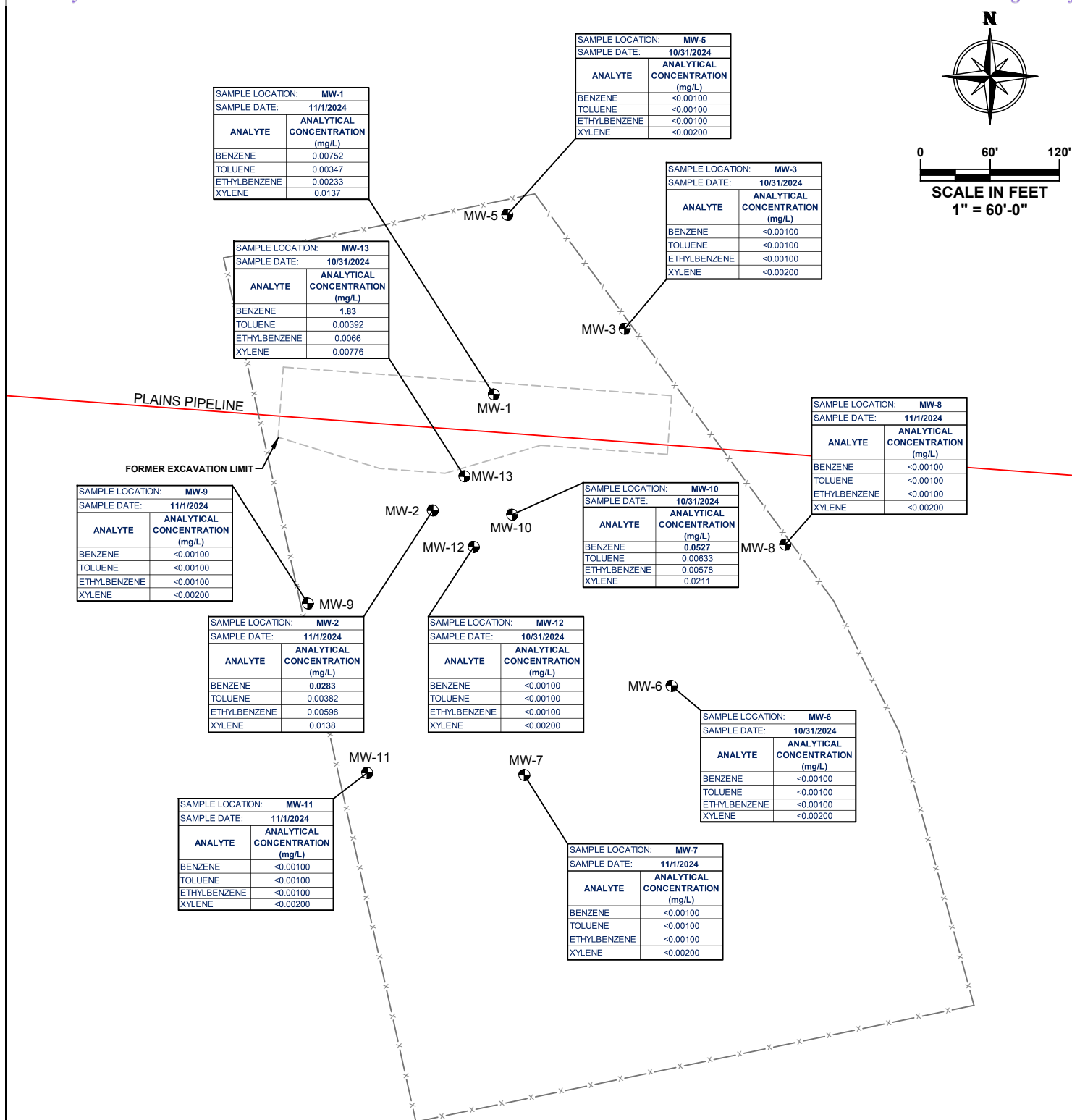
DRAWN BY: E. Alexander	REQUEST BY: J. Ferguson	PROJECT NO. 014180
DWG. DATE: March 2025	PROJECT-MGR: J. Ferguson	



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

FIGURE

3C



LEGEND:

- MONITOR WELL LOCATION
- PLUGGED AND ABANDONED
- FENCE
- PIPELINE
- FORMER EXCAVATION LIMITS
- 2.42' THICKNESS OF PSH (FEET)
- (NS) NOT SAMPLED
- <0.001 CONSTITUENT CONCENTRATION (mg/L)

CLIENT / PROJECT

PLAINS PIPELINE, L.P.
 TNM 98-05A
 LEA COUNTY, NEW MEXICO

TITLE

**GROUNDWATER CONCENTRATION AND
 INFERRED PSH EXTENT MAP
 (OCTOBER 31 - NOVEMBER 01, 2024)**

DRAWN BY: E. Alexander	REQUEST BY: J. Fergerson	PROJECT NO. 014180
DWG. DATE: March 2025	PROJECT-MGR: J. Fergerson	



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

FIGURE

3D

TABLES

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
 TNM 98-05A
 SRS NO. TNM 98-05A
 LEA COUNTY, NEW MEXICO
 NMOC INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 1	02/14/24	Manny	3391.62	58.90	-	47.40	0.00	3,344.22
MW - 1	05/14/24	Manny	3391.62	57.84	-	47.12	0.00	3,344.50
MW - 1	09/16/24	Manny	3391.62	58.86	-	47.67	0.00	3,343.95
MW - 1	10/31/24	Manny	3391.62	58.83	-	47.75	0.00	3,343.87
MW - 2	02/02/24	Manny	3390.85	-	-	46.92	0.00	3,343.93
MW - 2	02/14/24	Manny	3390.85	56.37	-	46.83	0.00	3,344.02
MW - 2	03/12/24	Manny	3390.85	-	-	46.65	0.00	3,344.20
MW - 2	04/17/24	Manny	3390.85	-	-	46.65	0.00	3,344.20
MW - 2	05/02/24	Manny	3390.85	-	-	46.56	0.00	3,344.29
MW - 2	05/14/24	Manny	3390.85	56.37	-	46.60	0.00	3,344.25
MW - 2	06/14/24	Manny	3390.85	-	-	46.76	0.00	3,344.09
MW - 2	07/03/24	Manny	3390.85	-	-	47.35	0.00	3,343.50
MW - 2	08/01/24	Manny	3390.85	-	-	47.03	0.00	3,343.82
MW - 2	09/16/24	Manny	3390.85	56.26	-	47.09	0.00	3,343.76
MW - 2	10/15/24	Manny	3390.85	-	-	48.10	0.00	3,342.75
MW - 2	10/31/24	Manny	3390.85	56.30	-	47.12	0.00	3,343.73
MW - 2	11/08/24	Manny	3390.85	-	-	47.17	0.00	3,343.68
MW - 2	12/03/24	Manny	3390.85	-	-	47.16	0.00	3,343.69
MW - 3	02/14/24	Manny	3391.08	58.46	-	46.90	0.00	3,344.18
MW - 3	05/14/24	Manny	3391.08	58.49	-	46.67	0.00	3,344.41
MW - 3	09/16/24	Manny	3391.08	58.49	-	47.16	0.00	3,343.92
MW - 3	10/31/24	Manny	3391.08	59.26	-	47.29	0.00	3,343.79
MW - 5	02/14/24	Manny	3391.53	64.20	-	47.09	0.00	3,344.44
MW - 5	05/14/24	Manny	3391.53	64.86	-	46.86	0.00	3,344.67
MW - 5	09/16/24	Manny	3391.53	64.05	-	47.34	0.00	3,344.19
MW - 5	10/31/24	Manny	3391.53	64.01	-	47.44	0.00	3,344.09
MW - 6	02/14/24	Manny	3391.14	56.12	-	47.59	0.00	3,343.55
MW - 6	05/14/24	Manny	3391.14	56.38	-	47.34	0.00	3,343.80
MW - 6	09/16/24	Manny	3391.14	56.11	-	47.88	0.00	3,343.26
MW - 6	10/31/24	Manny	3391.14	56.10	-	47.95	0.00	3,343.19
MW - 7	02/14/24	Manny	3391.21	-	-	47.46	0.00	3,343.75
MW - 7	05/14/24	Manny	3391.21	-	-	47.21	0.00	3,344.00
MW - 7	09/16/24	Manny	3391.21	-	-	47.77	0.00	3,343.44
MW - 7	10/31/24	Manny	3391.21	56.06	-	47.83	0.00	3,343.38
MW - 8	02/14/24	Manny	3391.14	-	-	47.50	0.00	3,343.64
MW - 8	05/14/24	Manny	3391.14	-	-	47.22	0.00	3,343.92
MW - 8	09/16/24	Manny	3391.14	-	-	47.77	0.00	3,343.37
MW - 8	10/31/24	Manny	3391.14	55.05	-	47.84	0.00	3,343.30
MW - 9	02/14/24	Manny	3391.47	-	-	47.34	0.00	3,344.13
MW - 9	05/14/24	Manny	3391.47	-	-	47.08	0.00	3,344.39
MW - 9	09/16/24	Manny	3391.47	-	-	47.65	0.00	3,343.82
MW - 9	10/31/24	Manny	3391.47	54.65	-	47.72	0.00	3,343.75
MW - 10	01/04/24	Manny	3391.26	-	-	47.44	0.00	3,343.82
MW - 10	02/02/24	Manny	3391.26	-	-	47.30	0.00	3,343.96
MW - 10	02/14/24	Manny	3391.26	55.30	-	47.27	0.00	3,343.99
MW - 10	03/12/24	Manny	3391.26	-	-	47.10	0.00	3,344.16
MW - 10	04/17/24	Manny	3391.26	-	-	47.09	0.00	3,344.17
MW - 10	05/02/24	Manny	3391.26	-	-	47.06	0.00	3,344.20
MW - 10	05/14/24	Manny	3391.26	55.25	-	47.08	0.00	3,344.18
MW - 10	06/14/24	Manny	3391.26	-	-	47.23	0.00	3,344.03
MW - 10	07/03/24	Manny	3391.26	-	-	47.35	0.00	3,343.91
MW - 10	08/01/24	Manny	3391.26	-	47.45	47.52	0.07	3,343.80
MW - 10	09/16/24	Manny	3391.26	55.27	47.50	47.52	0.02	3,343.76
MW - 10	10/15/24	Manny	3391.26	55.27	-	47.62	0.00	3,343.64
MW - 10	10/31/24	Manny	3391.26	55.29	-	47.68	0.00	3,343.58
MW - 10	11/08/24	Manny	3391.26	-	-	47.68	0.00	3,343.58

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
 TNM 98-05A
 SRS NO. TNM 98-05A
 LEA COUNTY, NEW MEXICO
 NMOCD INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 10	12/03/24	Manny	3391.26	-	47.65	47.66	0.01	3,343.61
MW - 11	02/14/24	Manny	3390.73	-	-	46.90	0.00	3,343.83
MW - 11	05/14/24	Manny	3390.73	-	-	46.64	0.00	3,344.09
MW - 11	09/16/24	Manny	3390.73	-	-	47.21	0.00	3,343.52
MW - 11	10/31/24	Manny	3390.73	54.86	-	47.29	0.00	3,343.44
MW - 12	02/14/24	Manny	3391.57	60.77	-	47.54	0.00	3,344.03
MW - 12	05/14/24	Manny	3391.57	60.75	-	47.32	0.00	3,344.25
MW - 12	09/16/24	Manny	3391.57	60.78	-	47.83	0.00	3,343.74
MW - 12	10/31/24	Manny	3391.57	60.73	-	47.91	0.00	3,343.66
MW - 13	01/04/24	Manny	3391.89	-	-	47.98		3,343.91
MW - 13	02/02/24	Manny	3391.89	-	-	47.84		3,344.05
MW - 13	02/14/24	Manny	3391.89	62.56	-	47.78		3,344.11
MW - 13	03/12/24	Manny	3391.89	-	-	47.61	0.00	3,344.28
MW - 13	04/17/24	Manny	3391.89	-	-	47.60	0.00	3,344.29
MW - 13	05/02/24	Manny	3391.89	-	-	47.56	0.00	3,344.33
MW - 13	05/14/24	Manny	3391.89	62.55	-	47.54	0.00	3,344.35
MW - 13	06/14/24	Manny	3391.89	-	-	47.79	0.00	3,344.10
MW - 13	07/03/24	Manny	3391.89	-	-	47.94	0.00	3,343.95
MW - 13	08/01/24	Manny	3391.89	-	48.06	48.07	0.01	3,343.83
MW - 13	09/16/24	Manny	3391.89	62.58		48.05	0.00	3,343.84
MW - 13	10/15/24	Manny	3391.89	-	-	48.10	0.00	3,343.79
MW - 13	10/31/24	Manny	3391.89	62.60	-	48.15	0.00	3,343.74
MW - 13	11/08/24	Manny	3391.89	-	-	48.20	0.00	3,343.69
MW - 13	12/03/24	Manny	3391.89	-	-	47.16	0.00	3,344.73

Notes:

1. BTOC = Below Top-of-Casing.
2. '-' = No gauging data collected on corresponding date.
3. Dry = No fluid gauged for corresponding well.
4. P&A = Plugged and Abandoned.
5. Elevations of the potentiometric surface were calculated using a PSH specific gravity of 0.85 gram/cubic centimeter (g/cc).
6. Elevations based on the North American Vertical Datum of 1929.
7. 2014 resurvey elevations based on the North American Vertical Datum of 1988.

TABLE 2

2024 CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING L.P.
 TNM 98-05A
 SRS NO. TNM 98-05A
 LEA COUNTY, NEW MEXICO
 NMOCD INCIDENT NO. nAPP2109544011

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 1	02/15/24	0.00850	0.00244	<0.00100	0.0109
MW - 1	05/15/24	0.00378	0.00237	0.00250	0.00204
MW - 1	09/18/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 1	11/01/24	0.00752	0.00347	0.00233	0.0137
MW - 2	02/15/24	0.0544	0.0190	0.0845	0.368
MW - 2	05/15/24	0.128	0.0107	0.0735	0.207
MW - 2	09/18/24	0.0707	0.0200	0.0235	0.146
MW - 2	11/01/24	0.0283	0.00382	0.00598	0.0138
MW - 3	02/16/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 3	05/15/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 3	09/17/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 3	10/31/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 5	02/16/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 5	05/15/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 5	09/17/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 5	10/31/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 6	02/16/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 6	05/15/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 6	09/17/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 6	10/31/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 7	02/16/24	NS	-	-	-
MW - 7	05/15/24	NS	-	-	-
MW - 7	09/16/24	NS	-	-	-
MW - 7	11/01/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 8	02/16/24	NS	-	-	-
MW - 8	05/15/24	NS	-	-	-
MW - 8	09/16/24	NS	-	-	-
MW - 8	11/01/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 9	02/16/24	NS	-	-	-
MW - 9	05/15/24	NS	-	-	-
MW - 9	09/16/24	NS	-	-	-
MW - 9	11/01/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 10	02/15/24	0.0236	0.00344	0.0014	0.0046
MW - 10	05/15/24	0.0329	0.0182	0.0209	0.0386
MW - 10	09/17/24	0.0259	0.0030	0.00533	0.0104
MW - 10	10/31/24	0.0527	0.00633	0.00578	0.0211
MW - 11	02/15/24	NS	-	-	-
MW - 11	05/15/24	NS	-	-	-
MW - 11	09/16/24	NS	-	-	-
MW - 11	11/01/24	<0.00100	<0.00100	<0.00100	<0.00200

TABLE 2

2024 CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING L.P.
 TNM 98-05A
 SRS NO. TNM 98-05A
 LEA COUNTY, NEW MEXICO
 NMOCD INCIDENT NO. nAPP2109544011

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW-12	02/16/24	<0.00100	<0.00100	<0.00100	<0.00200
MW-12	05/15/24	<0.00100	<0.00100	<0.00100	<0.00200
MW-12	09/17/24	<0.00100	<0.00100	<0.00100	<0.00200
MW-12	10/31/24	<0.00100	<0.00100	<0.00100	<0.00200
MW-13	02/16/24	2.90	0.00250	0.0126	0.0136
MW-13	05/15/24	2.63	0.00250	0.0131	0.0101
MW-13	09/17/24	1.80	0.00170	0.0119	0.0166
MW-13	10/31/24	1.83	0.00392	0.0066	0.00776

Notes:

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

TABLE 3

2024 POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109544011

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																	
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[ghi]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	12/03/24	<0.000083	<0.000083	<0.000083	<0.000083	<0.000083	<0.000083	<0.000083	<0.000083	<0.000083	<0.000083	<0.000083	0.0053	<0.000083	0.0081	<0.000083	0.072		-
MW-2	12/03/24	<0.000083	<0.000083	<0.000083	<0.000083	<0.000083	<0.000083	<0.000083	<0.000083	<0.000083	<0.000083	<0.000083	0.0038	<0.000083	0.0038	<0.000083	0.0202		-
MW-3	10/31/24	NS																	
MW-5	10/31/24	NS																	
MW-6	10/31/24	NS																	
MW-7	10/31/24	NS																	
MW-8	10/31/24	NS																	
MW-9	10/31/24	NS																	
MW-10	10/31/24	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.0039	<0.00010	0.0041	<0.00010	0.0346		-
MW-11	10/31/24	NS																	
MW-12	10/31/24	NS																	
MW-13	10/31/24	0.00022	<0.00010	0.00011	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.0013	<0.00010	0.00087	<0.00010	0.0104		-

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

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCID INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 1	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	NS	-	-	-	-
MW - 1	11/17/01		3390.57	NS	-	-	-	-
MW - 1	02/20/02		3390.57	NS	-	-	-	-
MW - 1	05/20/02		3390.57	NS	-	-	-	-
MW - 1	09/24/02		3390.57	NS	-	-	-	-
MW - 1	10/29/02		3390.57	-	39.58	42.37	2.79	3,350.57
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
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

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCID INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 1	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
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
MW - 1	10/1/2005		-	-	-	-	-	-
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

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCID INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 1	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
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	12/29/08		3391.62	-	sheen	-	0.00	-
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
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

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 1	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
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	58.91	-	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	58.92	-	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

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 1	02/11/14		3391.62	-	-	48.98	0.00	3,342.64
MW - 1	03/05/14	John F.	3391.62	58.90	-	48.95	0.00	3,342.67
MW - 1	03/13/14	John & Jose	3391.62	-	-	48.95	0.00	3,342.67
MW - 1	03/29/14	David & Manny	3391.62	-	-	48.86	0.00	3,342.76
MW - 1	04/08/14	David & Jose	3391.62	-	-	48.94	0.00	3,342.68
MW - 1	04/17/14	David & Jose	3391.62	-	-	48.85	0.00	3,342.77
MW - 1	04/25/14	Manny & Justin	3391.62	-	-	48.77	0.00	3,342.85
MW - 1	05/01/14	David	3391.62	-	-	48.77	0.00	3,342.85
MW - 1	05/08/14	Manny	3391.62	-	-	48.75	0.00	3,342.87
MW - 1	05/14/14	Manny	3391.62	-	-	48.77	0.00	3,342.85
MW - 1	05/23/14	Baer	3391.62	-	-	48.89	0.00	3,342.73
MW - 1	05/27/14	Manny	3391.62	-	-	48.90	0.00	3,342.72
MW - 1	05/29/14	David	3391.62	-	-	48.88	0.00	3,342.74
MW - 1	06/11/14	David	3391.62	-	-	48.95	0.00	3,342.67
MW - 1	06/05/14	David/jose	3391.62	-	-	48.90	0.00	3,342.72
MW - 1	06/18/14	Manny	3391.62	-	-	48.93	0.00	3,342.69
MW - 1	06/26/14	Manny	3391.62	-	-	48.98	0.00	3,342.64
MW - 1	07/01/14	David	3391.62	-	-	49.10	0.00	3,342.52
MW - 1	07/10/14	David	3391.62	-	-	49.03	0.00	3,342.59
MW - 1	07/17/14	Manny	3391.62	-	-	49.13	0.00	3,342.49
MW - 1	07/23/14	David	3391.62	-	-	49.20	0.00	3,342.42
MW - 1	07/31/14	Manny	3391.62	-	-	49.19	0.00	3,342.43
MW - 1	08/06/14	Manny	3391.62	-	-	49.12	0.00	3,342.50
MW - 1	08/12/14	David	3391.62	-	-	49.20	0.00	3,342.42
MW - 1	08/21/14	David	3391.62	-	-	49.22	0.00	3,342.40
MW - 1	09/04/14	David	3391.62	-	-	49.18	0.00	3,342.44
MW - 1	10/02/14	Manny	3391.62	-	-	49.20	0.00	3,342.42
MW - 1	10/08/14	Manny	3391.62	-	-	49.17	0.00	3,342.45
MW - 1	10/14/14	Manny	3391.62	-	-	49.15	0.00	3,342.47
MW - 1	10/23/14	Manny	3391.62	-	-	49.03	0.00	3,342.59
MW - 1	10/28/14	Manny	3391.62	-	-	49.11	0.00	3,342.51
MW - 1	11/07/14	Manny	3391.62	-	-	49.02	0.00	3,342.60
MW - 1	11/14/14	Chance	3391.62	-	-	48.91	0.00	3,342.71
MW - 1	11/15/14	Manny	3391.62	58.80	-	49.02	0.00	3,342.60
MW - 1	12/04/14	Chance	3391.62	-	-	48.96	0.00	3,342.66
MW - 1	12/11/14	Chance	3391.62	-	-	48.96	0.00	3,342.66
MW - 1	12/18/11	Manny	3391.62	58.80	-	48.91	0.00	3,342.71
MW - 1	12/23/14	Manny	3391.62	-	-	48.95	0.00	3,342.67
MW - 1	12/30/14	Carlos	3391.62	-	-	-	-	-
MW - 1	01/07/15	Carlos	3391.62	-	-	48.89	-	-
MW - 1	01/15/15	Carlos	3391.62	-	-	48.85	-	-
MW - 1	01/28/15	Carlos	3391.62	-	-	-	-	-
MW - 1	02/04/15	Carlos	3391.62	-	-	-	-	-
MW - 1	02/16/15	Manny	3391.62	58.79	-	48.60	0.00	3,343.02
MW - 1	02/17/15	Carlos	3391.62	58.79	-	48.64	0.00	3,342.98
MW - 1	02/24/15	Manny	3391.62	58.79	-	48.57	0.00	3,343.05
MW - 1	03/10/15	Carlos	3391.62	-	-	48.53	0.00	3,343.09
MW - 1	03/17/15	Carlos	3391.62	-	-	48.50	0.00	3,343.12
MW - 1	03/18/15	Manny/Art	3391.62	-	-	48.44	0.00	3,343.18
MW - 1	03/25/15	Carlos	3391.62	-	-	48.46	0.00	3,343.16
MW - 1	04/07/15	Carlos/ Matt	3391.62	-	-	48.41	0.00	3,343.21
MW - 1	04/08/15	Manny	3391.62	-	-	48.36	0.00	3,343.26
MW - 1	04/21/15	Carlos/ Matt	3391.62	-	-	48.43	0.00	3,343.19
MW - 1	04/28/15	Chance	3391.62	-	-	48.94	0.00	3,342.68
MW - 1	05/06/15	Carlos	3391.62	-	-	48.30	0.00	3,343.32
MW - 1	05/20/15	Carlos	3391.62	-	-	48.30	0.00	3,343.32
MW - 1	05/28/15	Manny/Arthur	3391.62	58.81	-	48.20	0.00	3,343.42
MW - 1	06/09/15	Carlos	3391.62	-	-	48.22	0.00	3,343.40
MW - 1	06/18/15	Carlos	3391.62	-	-	48.13	0.00	3,343.49
MW - 1	06/30/15	Carlos/Arthur	3391.62	-	-	48.31	0.00	3,343.31
MW - 1	07/06/15	Carlos	3391.62	-	-	48.32	0.00	3,343.30
MW - 1	07/09/15	Carlos	3391.62	-	-	48.24	0.00	3,343.38
MW - 1	07/21/15	Fernando/Mark	3391.62	-	-	-	-	-
MW - 1	07/28/15	Carlos	3391.62	-	-	48.27	0.00	3,343.35
MW - 1	08/06/15	Chance	3391.62	-	-	48.97	0.00	3,342.65

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 1	08/26/15	Manny	3391.62	58.84	-	48.39	0.00	3,343.23
MW - 1	09/09/15	Carlos	3391.62	-	-	48.55	0.00	3,343.07
MW - 1	09/11/15	Carlos	3391.62	-	-	48.55	0.00	3,343.07
MW - 1	09/17/15	Carlos	3391.62	-	-	48.52	0.00	3,343.10
MW - 1	09/25/15	Manny	3391.62	-	-	48.52	0.00	3,343.10
MW - 1	09/30/15	Arthur/Carlos	3391.62	-	-	48.61	0.00	3,343.01
MW - 1	10/09/15	Manny	3391.62	-	-	48.58	0.00	3,343.04
MW - 1	10/13/15	Carlos	3391.62	-	-	48.65	0.00	3,342.97
MW - 1	10/15/15	Carlos	3391.62	-	-	48.65	0.00	3,342.97
MW - 1	10/21/15	Carlos	3391.62	-	-	48.65	0.00	3,342.97
MW - 1	10/26/15	Carlos	3391.62	-	-	48.65	0.00	3,342.97
MW - 1	11/09/15	Carlos	3391.62	-	-	48.66	0.00	3,342.96
MW - 1	11/20/15	Manny	3391.62	58.85	-	48.49	0.00	3,343.13
MW - 1	11/25/15	Carlos	3391.62	-	-	48.52	0.00	3,343.10
MW - 1	12/01/15	Carlos	3391.62	-	-	48.54	0.00	3,343.08
MW - 1	12/09/15	Carlos	3391.62	-	-	48.54	0.00	3,343.08
MW - 1	12/11/15	Manny	3391.62	-	-	48.34	0.00	3,343.28
MW - 1	12/15/15	Carlos	3391.62	-	-	48.33	0.00	3,343.29
MW - 1	01/06/16	Carlos	3391.62	-	-	48.32	0.00	3,343.30
MW - 1	01/11/16	Carlos	3391.62	-	-	48.27	0.00	3,343.35
MW - 1	01/13/15	Carlos	3391.62	-	-	48.06	0.00	3,343.56
MW - 1	01/28/16	Carlos	3391.62	-	-	48.17	0.00	3,343.45
MW - 1	02/03/16	Carlos	3391.62	-	-	48.12	0.00	3,343.50
MW - 1	02/10/16	Carlos	3391.62	-	-	47.94	0.00	3,343.68
MW - 1	02/15/16	Carlos	3391.62	-	-	48.01	0.00	3,343.61
MW - 1	02/17/16	Manny	3391.62	58.85	-	48.00	0.00	3,343.62
MW - 1	02/23/16	Carlos	3391.62	-	-	47.94	0.00	3,343.68
MW - 1	03/08/16	Carlos	3391.62	-	47.79	47.85	0.06	3,343.82
MW - 1	03/16/16	Carlos	3391.62	-	47.82	47.86	0.04	3,343.79
MW - 1	03/18/16	Manny	3391.62	-	47.91	48.03	0.12	3,343.69
MW - 1	03/23/16	Carlos	3391.62	-	47.85	47.88	0.03	3,343.77
MW - 1	03/29/16	Carlos	3391.62	-	47.77	47.93	0.16	3,343.83
MW - 1	04/04/16	Carlos	3391.62	-	47.84	48.06	0.22	3,343.75
MW - 1	04/08/16	Carlos	3391.62	-	47.75	47.88	0.13	3,343.85
MW - 1	04/12/16	Fernando	3391.62	-	47.85	47.96	0.11	3,343.75
MW - 1	04/21/16	Manny	3391.62	-	-	48.01	0.00	3,343.61
MW - 1	05/03/16	Carlos	3391.62	-	47.99	48.11	0.12	3,343.61
MW - 1	05/12/16	Mark	3391.62	-	-	47.80	0.00	3,343.82
MW - 1	05/26/16	Manny	3391.62	-	47.66	47.69	0.03	3,343.96
MW - 1	06/09/16	Carlos	3391.62	-	47.77	47.81	0.04	3,343.84
MW - 1	07/01/16	Carlos	3391.62	-	47.96	48.00	0.04	3,343.65
MW - 1	07/20/16	Carlos	3391.62	-	48.07	48.15	0.08	3,343.54
MW - 1	07/28/16	Carlos	3391.62	-	47.92	47.98	0.06	3,343.69
MW - 1	08/04/16	Manny/ Wes	3391.62	-	47.83	47.94	0.11	3,343.77
MW - 1	08/10/16	Carlos	3391.62	-	47.83	47.96	0.13	3,343.77
MW - 1	08/16/16	Carlos	3391.62	-	47.89	48.01	0.12	3,343.71
MW - 1	08/23/16	Carlos	3391.62	-	47.87	48.00	0.13	3,343.73
MW - 1	09/12/16	Carlos	3391.62	-	47.88	48.05	0.17	3,343.71
MW - 1	09/23/16	Carlos	3391.62	-	47.86	48.03	0.17	3,343.73
MW - 1	09/28/16	Manny	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	Carlos	3391.62	-	47.77	47.95	0.18	3,343.82
MW - 1	11/02/16	Carlos	3391.62	-	47.79	48.02	0.23	3,343.80
MW - 1	11/09/16	Carlos	3391.62	-	47.80	48.04	0.24	3,343.78
MW - 1	11/29/16	Manny	3391.62	-	47.68	47.99	0.31	3,343.89
MW - 1	12/09/16	Manny	3391.62	-	47.68	48.05	0.37	3,343.88
MW - 1	12/16/16	Carlos	3391.62	-	47.53	47.83	0.30	3,344.05
MW - 1	12/21/16	Carlos	3391.62	-	47.58	47.92	0.34	3,343.99
MW - 1	01/06/17	Manny	3391.62	-	47.59	47.98	0.39	3,343.97
MW - 1	01/13/17	Carlos	3391.62	-	47.48	47.84	0.36	3,344.09
MW - 1	01/20/17	Carlos	3391.62	-	47.41	47.77	0.36	3,344.16
MW - 1	01/26/17	Carlos	3391.62	-	47.51	47.92	0.41	3,344.05
MW - 1	02/03/17	Manny	3391.62	-	47.52	47.94	0.42	3,344.04
MW - 1	02/07/17	Carlos	3391.62	-	47.48	47.82	0.34	3,344.09
MW - 1	02/16/17	Manny	3391.62	-	47.40	47.80	0.40	3,344.16

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 1	02/20/17	Carlos	3391.62	-	47.45	47.79	0.34	3,344.12
MW - 1	02/27/17	Manny	3391.62	-	47.40	47.60	0.20	3,344.19
MW - 1	03/14/17	Manny	3391.62	-	47.41	47.64	0.23	3,344.18
MW - 1	03/21/17	Manny	3391.62	-	47.42	47.50	0.08	3,344.19
MW - 1	03/30/17	Carlos	3391.62	-	47.34	47.40	0.06	3,344.27
MW - 1	04/04/17	Carlos	3391.62	-	47.33	47.38	0.05	3,344.28
MW - 1	04/10/17	Manny	3391.62	-	47.39	47.46	0.07	3,344.22
MW - 1	04/21/17	Jeremy	3391.62	-	47.32	47.35	0.03	3,344.30
MW - 1	04/25/17	Manny	3391.62	-	-	47.37	0.00	3,344.25
MW - 1	05/01/17	Manny	3391.62	-	-	47.45	0.00	3,344.17
MW - 1	05/09/17	Manny	3391.62	-	-	47.40	0.00	3,344.22
MW - 1	05/15/17	Manny	3391.62	-	-	47.34	0.00	3,344.28
MW - 1	05/18/17	Manny	3391.62	58.83	-	47.30	0.00	3,344.32
MW - 1	05/22/17	Manny	3391.62	-	-	47.29	0.00	3,344.33
MW - 1	06/05/17	Manny	3391.62	-	-	47.27	0.00	3,344.35
MW - 1	06/14/17	Manny	3391.62	-	-	47.36	0.00	3,344.26
MW - 1	06/20/17	Manny	3391.62	-	-	47.37	0.00	3,344.25
MW - 1	06/27/17	Manny	3391.62	-	-	47.29	0.00	3,344.33
MW - 1	07/03/17	Manny	3391.62	-	-	47.35	0.00	3,344.27
MW - 1	07/11/17	Manny	3391.62	-	-	47.27	0.00	3,344.35
MW - 1	07/20/17	Manny	3391.62	-	-	47.34	0.00	3,344.28
MW - 1	07/24/17	Manny	3391.62	-	-	47.28	0.00	3,344.34
MW - 1	08/03/17	Manny	3391.62	-	-	47.30	0.00	3,344.32
MW - 1	08/08/17	Manny	3391.62	-	-	47.28	0.00	3,344.34
MW - 1	08/17/17	Manny	3391.62	-	-	47.32	0.00	3,344.30
MW - 1	08/21/17	Manny	3391.62	-	-	47.29	0.00	3,344.33
MW - 1	08/29/17	Manny	3391.62	-	47.20	47.22	0.02	3,344.42
MW - 1	09/05/17	Manny	3391.62	-	-	47.31	0.00	3,344.31
MW - 1	09/12/17	Manny	3391.62	-	-	47.15	0.00	3,344.47
MW - 1	09/18/17	Manny	3391.62	-	-	47.16	0.00	3,344.46
MW - 1	10/06/17	Manny	3391.62	-	-	47.27	0.00	3,344.35
MW - 1	10/13/17	Jeremy	3391.62	-	-	47.25	0.00	3,344.37
MW - 1	10/18/17	Manny	3391.62	-	-	47.34	0.00	3,344.28
MW - 1	10/20/17	Jeremy	3391.62	-	-	47.25	0.00	3,344.37
MW - 1	10/26/17	Manny	3391.62	-	-	47.13	0.00	3,344.49
MW - 1	10/31/17	Manny	3391.62	-	-	47.21	0.00	3,344.41
MW - 1	11/07/17	Manny	3391.62	58.84	-	47.35	0.00	3,344.27
MW - 1	11/17/17	Manny	3391.62	-	-	47.10	0.00	3,344.52
MW - 1	12/01/17	Manny	3391.62	-	-	47.18	0.00	3,344.44
MW - 1	12/07/17	Manny	3391.62	-	-	47.15	0.00	3,344.47
MW - 1	12/12/17	Manny	3391.62	-	-	47.18	0.00	3,344.44
MW - 1	12/18/17	Manny	3391.62	-	-	47.06	0.00	3,344.56
MW - 1	12/27/17	Manny	3391.62	-	-	47.03	0.00	3,344.59
MW - 1	01/05/18	Manny	3391.62	-	-	47.04	0.00	3,344.58
MW - 1	01/10/18	Manny	3391.62	-	-	46.91	0.00	3,344.71
MW - 1	01/19/18	Manny	3391.62	-	-	47.05	0.00	3,344.57
MW - 1	01/23/18	Manny	3391.62	-	-	47.22	0.00	3,344.40
MW - 1	01/31/18	Manny	3391.62	-	-	47.12	0.00	3,344.50
MW - 1	02/09/18	Manny	3391.62	-	-	47.03	0.00	3,344.59
MW - 1	02/16/18	Manny	3391.62	-	-	47.11	0.00	3,344.51
MW - 1	02/22/18	Manny	3391.62	59.79	-	47.05	0.00	3,344.57
MW - 1	03/01/18	Manny	3391.62	-	-	47.08	0.00	3,344.54
MW - 1	03/05/18	Manny	3391.62	-	-	47.02	0.00	3,344.60
MW - 1	03/15/18	Manny	3391.62	-	-	46.97	0.00	3,344.65
MW - 1	03/23/18	Manny	3391.62	-	-	46.97	0.00	3,344.65
MW - 1	03/30/18	Manny	3391.62	-	-	47.03	0.00	3,344.59
MW - 1	04/04/18	Manny	3391.62	-	-	47.02	0.00	3,344.60
MW - 1	04/11/18	Manny	3391.62	-	-	47.00	0.00	3,344.62
MW - 1	04/20/18	Manny	3391.62	-	-	46.98	0.00	3,344.64
MW - 1	04/25/18	Manny	3391.62	-	-	47.01	0.00	3,344.61
MW - 1	05/23/18	Manny	3391.62	58.80	-	46.99	0.00	3,344.63
MW - 1	05/31/18	Manny	3391.62	-	-	47.00	0.00	3,344.62
MW - 1	06/15/18	Manny	3391.62	-	-	47.03	0.00	3,344.59
MW - 1	06/20/18	Manny	3391.62	-	-	47.05	0.00	3,344.57
MW - 1	06/27/18	Manny	3391.62	-	-	47.10	0.00	3,344.52

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 1	07/05/18	Manny	3391.62	-	-	47.10	0.00	3,344.52
MW - 1	07/09/18	Manny	3391.62	-	-	47.21	0.00	3,344.41
MW - 1	07/26/18	Manny	3391.62	-	-	47.15	0.00	3,344.47
MW - 1	07/31/18	Manny	3391.62	-	-	47.13	0.00	3,344.49
MW - 1	08/14/18	Manny	3391.62	-	-	47.12	0.00	3,344.50
MW - 1	08/29/18	Manny	3391.62	58.86	-	47.20	0.00	3,344.42
MW - 1	09/07/18	Jeremy	3391.62	-	-	47.20	0.00	3,344.42
MW - 1	09/19/18	Manny	3391.62	-	-	47.18	0.00	3,344.44
MW - 1	09/28/18	Manny	3391.62	-	-	47.20	0.00	3,344.42
MW - 1	10/04/18	Manny	3391.62	-	-	47.29	0.00	3,344.33
MW - 1	10/17/18	Manny	3391.62	-	-	47.35	0.00	3,344.27
MW - 1	11/09/18	Manny	3391.62	-	-	47.32	0.00	3,344.30
MW - 1	11/15/18	Manny/Elias	3391.62	-	-	47.18	0.00	3,344.44
MW - 1	11/19/18	Manny/Elias	3391.62	-	-	-	-	-
MW - 1	11/29/18	Manny/Elias	3391.62	58.81	-	47.10	0.00	3,344.52
MW - 1	12/03/18	Manny/Elias	3391.62	-	-	47.20	0.00	3,344.42
MW - 1	12/13/18	Manny/Elias	3391.62	-	-	47.18	0.00	3,344.44
MW - 1	12/21/18	Manny/Elias	3391.62	-	-	47.07	0.00	3,344.55
MW - 1	12/28/18	Manny/Elias	3391.62	-	-	47.08	0.00	3,344.54
MW - 1	01/03/19	Manny/Elias	3391.62	-	-	47.11	0.00	3,344.51
MW - 1	01/07/19	Manny/Elias	3391.62	-	-	47.10	0.00	3,344.52
MW - 1	01/16/19	Manny/Elias	3391.62	-	-	47.09	0.00	3,344.53
MW - 1	01/21/19	Manny/Elias	3391.62	-	-	47.00	0.00	3,344.62
MW - 1	01/28/19	Manny/Elias	3391.62	-	-	47.23	0.00	3,344.39
MW - 1	02/08/19	Manny/Elias	3391.62	-	-	47.19	0.00	3,344.43
MW - 1	02/13/19	Manny/Elias	3391.62	-	-	47.09	0.00	3,344.53
MW - 1	02/19/19	Manny/Elias	3391.62	-	-	46.91	0.00	3,344.71
MW - 1	03/01/19	Manny/Elias	3391.62	-	-	47.04	0.00	3,344.58
MW - 1	03/05/19	Manny/Elias	3391.62	58.85	-	47.06	0.00	3,344.56
MW - 1	03/20/19	Manny/Elias	3391.62	-	-	47.03	0.00	3,344.59
MW - 1	03/27/19	Manny/Elias	3391.62	-	-	46.92	0.00	3,344.70
MW - 1	04/04/19	Manny/Elias	3391.62	-	-	47.00	0.00	3,344.62
MW - 1	04/09/19	Manny/Elias	3391.62	-	-	46.93	0.00	3,344.69
MW - 1	04/16/19	Manny/Elias	3391.62	-	-	46.91	0.00	3,344.71
MW - 1	04/23/19	Manny/Elias	3391.62	-	-	46.93	0.00	3,344.69
MW - 1	05/03/19	Manny	3391.62	-	-	46.93	0.00	3,344.69
MW - 1	05/10/19	Manny	3391.62	-	-	46.97	0.00	3,344.65
MW - 1	05/15/19	Elias	3391.62	58.90	-	46.81	0.00	3,344.81
MW - 1	05/23/19	Elias	3391.62	-	-	46.84	0.00	3,344.78
MW - 1	06/11/19	Elias	3391.62	58.90	-	46.86	0.00	3,344.76
MW - 1	06/20/19	Elias	3391.62	-	-	46.82	0.00	3,344.80
MW - 1	06/25/19	Elias	3391.62	-	-	46.84	0.00	3,344.78
MW - 1	07/03/19	Elias	3391.62	-	-	46.82	0.00	3,344.80
MW - 1	07/15/19	Elias	3391.62	-	-	46.80	0.00	3,344.82
MW - 1	07/31/19	Elias	3391.62	-	-	46.82	0.00	3,344.80
MW - 1	08/15/19	Elias	3391.62	58.90	-	46.81	0.00	3,344.81
MW - 1	09/06/19	Elias	3391.62	-	-	46.78	0.00	3,344.84
MW - 1	09/10/19	Elias	3391.62	-	-	46.23	0.00	3,345.39
MW - 1	09/18/19	Elias	3391.62	-	-	46.75	0.00	3,344.87
MW - 1	10/18/19	Elias	3391.62	-	-	46.65	0.00	3,344.97
MW - 1	11/01/19	Elias	3391.62	-	-	46.70	0.00	3,344.92
MW - 1	11/13/19	Elias	3391.62	-	-	46.54	0.00	3,345.08
MW - 1	11/25/19	Elias	3391.62	58.92	-	46.65	0.00	3,344.97
MW - 1	12/05/19	Elias	3391.62	-	-	46.69	0.00	3,344.93
MW - 1	12/12/19	Elias	3391.62	-	-	46.67	0.00	3,344.95
MW - 1	01/16/20	Elias	3391.62	-	-	-	-	-
MW - 1	01/24/20	Elias	3391.62	-	-	46.60	0.00	3,345.02
MW - 1	01/31/20	Elias	3391.62	-	-	46.67	0.00	3,344.95
MW - 1	02/06/20	Elias	3391.62	-	-	46.54	0.00	3,345.08
MW - 1	02/21/20	Manny	3391.62	-	-	46.60	0.00	3,345.02
MW - 1	02/14/20	Manny	3391.62	-	-	46.58	0.00	3,345.04
MW - 1	02/25/20	Elias	3391.62	58.80	-	46.60	0.00	3,345.02
MW - 1	05/28/20	Manny	3391.62	-	-	46.48	0.00	3,345.14
MW - 1	06/15/20	Manny	3391.62	58.85	-	46.43	0.00	3,345.19
MW - 1	08/27/20	Manny	3391.62	58.86	-	46.55	0.00	3,345.07

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 1	09/10/20	Manny	3391.62	-	-	46.68	0.00	3,344.94
MW - 1	10/21/20	Manny	3391.62	-	-	46.62	0.00	3,345.00
MW - 1	11/02/20	Manny	3391.62	-	-	46.70	0.00	3,344.92
MW - 1	12/01/20	Manny	3391.62	58.80	-	46.54	0.00	3,345.08
MW - 1	01/06/21	Manny	3391.62	-	-	46.51	0.00	3,345.11
MW - 1	02/04/21	Manny	3391.62	58.80	-	46.58	0.00	3,345.04
MW - 1	02/12/21	Manny	3391.62	-	-	46.63	0.00	3,344.99
MW - 1	03/31/21	Manny	3391.62	-	-	46.52	0.00	3,345.10
MW - 1	04/13/21	Manny	3391.62	-	-	46.41	0.00	3,345.21
MW - 1	04/26/21	Manny	3391.62	-	-	46.32	0.00	3,345.30
MW - 1	05/11/21	Manny	3391.62	-	-	46.35	0.00	3,345.27
MW - 1	06/17/21	Manny	3391.62	58.80	-	46.33	0.00	3,345.29
MW - 1	07/12/21	Manny	3391.62	-	-	46.46	0.00	3,345.16
MW - 1	07/28/21	Manny	3391.62	-	-	46.55	0.00	3,345.07
MW - 1	08/10/21	Manny	3391.62	-	-	46.58	0.00	3,345.04
MW - 1	08/19/21	Manny	3391.62	-	-	46.59	0.00	3,345.03
MW - 1	09/14/21	Manny	3391.62	-	-	46.71	0.00	3,344.91
MW - 1	09/24/21	Manny	3391.62	58.81	-	46.70	0.00	3,344.92
MW - 1	10/18/21	Manny	3391.62	-	-	46.75	0.00	3,344.87
MW - 1	10/25/21	Manny	3391.62	-	-	46.74	0.00	3,344.88
MW - 1	11/30/21	Manny	3391.62	58.80	-	46.76	0.00	3,344.86
MW - 1	01/17/22	Manny	3391.62	-	-	46.74	0.00	3,344.88
MW - 1	03/02/22	Manny	3391.62	58.90	-	46.87	0.00	3,344.75
MW - 1	04/08/22	Manny	3391.62	-	-	46.90	0.00	3,344.72
MW - 1	05/25/22	Manny	3391.62	58.81	-	46.93	0.00	3,344.69
MW - 1	09/12/22	Manny	3391.62	58.67	-	47.33	0.00	3,344.29
MW - 1	11/30/22	Manny	3391.62	58.83	-	47.39	0.00	3,344.23
MW - 1	12/05/22	Manny	3391.62	-	-	47.36	0.00	3,344.26
MW - 1	02/21/23	Manny	3391.62	58.78	-	47.20	0.00	3,344.42
MW - 1	05/23/23	Manny	3391.62	58.85	-	47.19	0.00	3,344.43
MW - 1	08/03/23	Manny	3391.62	58.88	-	47.48	0.00	3,344.14
MW - 1	08/15/23	Manny	3391.62	58.90	-	47.54	0.00	3,344.08
MW - 1	11/15/23	Manny	3391.62	58.90	-	47.66	0.00	3,343.96
MW - 1	02/14/24	Manny	3391.62	58.90	-	47.40	0.00	3,344.22
MW - 1	05/14/24	Manny	3391.62	57.84	-	47.12	0.00	3,344.50
MW - 1	09/16/24	Manny	3391.62	58.86	-	47.67	0.00	3,343.95
MW - 1	10/31/24	Manny	3391.62	58.83	-	47.75	0.00	3,343.87
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	08/23/99		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

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 2	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
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
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

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 2	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
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	56.19	-	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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
 TNM 98-05A
 SRS NO. TNM 98-05A
 LEA COUNTY, NEW MEXICO
 NMOC INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 2	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
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
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

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 2	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
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	John F.	3390.85	-	48.08	49.42	1.34	3,342.57
MW - 2	03/13/14	John & Jose	3390.85	-	48.06	49.35	1.29	3,342.60
MW - 2	03/29/14	David & Manny	3390.85	-	48.01	49.30	1.29	3,342.65
MW - 2	04/08/14	David & Jose	3390.85	-	48.08	49.40	1.32	3,342.57
MW - 2	04/17/14	David & Jose	3390.85	-	48.08	49.37	1.29	3,342.58
MW - 2	04/25/14	Manny & Justin	3390.85	-	48.00	49.12	1.12	3,342.68
MW - 2	05/01/14	David	3390.85	-	48.02	49.10	1.08	3,342.67
MW - 2	05/08/14	Manny	3390.85	-	48.00	48.99	0.99	3,342.70
MW - 2	05/14/14	Manny	3390.85	-	48.00	48.95	0.95	3,342.71
MW - 2	05/23/14	Baer	3390.85	-	48.06	49.23	1.17	3,342.61
MW - 2	05/27/14	Manny	3390.85	-	48.06	49.09	1.03	3,342.64
MW - 2	05/29/14	David	3390.85	-	48.15	49.02	0.87	3,342.57
MW - 2	06/11/14	David	3390.85	-	48.12	49.28	1.16	3,342.56
MW - 2	06/05/14	David/jose	3390.85	-	48.09	49.25	1.16	3,342.59
MW - 2	06/18/14	Manny	3390.85	-	48.14	49.35	1.21	3,342.53
MW - 2	06/26/14	Manny	3390.85	-	48.14	49.48	1.34	3,342.51
MW - 2	07/01/14	David	3390.85	-	48.25	49.43	1.18	3,342.42
MW - 2	07/10/14	David	3390.85	-	48.24	49.73	1.49	3,342.39
MW - 2	07/17/14	Manny	3390.85	-	48.24	49.85	1.61	3,342.37
MW - 2	07/23/14	David	3390.85	-	48.38	49.55	1.17	3,342.29
MW - 2	07/31/14	Manny	3390.85	-	48.40	49.36	0.96	3,342.31
MW - 2	08/06/14	Manny	3390.85	-	48.45	49.03	0.58	3,342.31
MW - 2	08/12/14	David	3390.85	-	48.50	49.13	0.63	3,342.26
MW - 2	08/21/14	David	3390.85	-	49.05	49.68	0.63	3,341.71
MW - 2	09/04/14	David	3390.85	-	48.57	49.43	0.86	3,342.15

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 2	10/02/14	Manny	3390.85	-	48.29	49.70	1.41	3,342.35
MW - 2	10/08/14	Manny	3390.85	-	48.29	49.31	1.02	3,342.41
MW - 2	10/14/14	Manny	3390.85	-	48.29	49.34	1.05	3,342.40
MW - 2	10/17/14	Chance	3390.85	-	48.34	49.19	0.85	3,342.38
MW - 2	10/23/14	Manny	3390.85	-	48.25	49.32	1.07	3,342.44
MW - 2	10/24/14	Manny	3390.85	-	48.25	49.32	1.07	3,342.44
MW - 2	10/28/14	Manny	3390.85	-	48.27	49.17	0.90	3,342.45
MW - 2	10/29/14	Manny	3390.85	-	-	-	-	-
MW - 2	11/07/14	Manny	3390.85	-	48.15	49.27	1.12	3,342.53
MW - 2	11/14/14	Chance	3390.85	-	48.17	49.24	1.07	3,342.52
MW - 2	11/15/14	Manny	3390.85	-	48.13	49.14	1.01	3,342.57
MW - 2	12/04/14	Chance	3390.85	-	48.14	49.21	1.07	3,342.55
MW - 2	12/11/14	Chance	3390.85	-	48.12	49.19	1.07	3,342.57
MW - 2	12/18/14	Manny	3390.85	-	48.00	49.02	1.02	3,342.70
MW - 2	12/23/14	Chance	3390.85	-	48.11	49.17	1.06	3,342.58
MW - 2	12/30/14	Carlos	3390.85	-	-	-	-	-
MW - 2	01/07/15	Carlos	3390.85	-	48.05	49.00	0.95	3,342.66
MW - 2	01/15/15	Carlos	3390.85	-	47.96	49.08	1.12	3,342.72
MW - 2	01/28/15	Carlos	3390.85	-	47.57	48.86	1.29	3,343.09
MW - 2	02/04/15	Carlos	3390.85	-	47.83	48.48	0.65	3,342.92
MW - 2	02/13/15	Carlos	3390.85	-	47.85	48.52	0.67	3,342.90
MW - 2	02/16/15	Manny	3390.85	-	47.83	48.43	0.60	3,342.93
MW - 2	02/17/15	Carlos	3390.85	-	47.87	48.53	0.66	3,342.88
MW - 2	02/24/15	Carlos	3390.85	-	47.82	48.36	0.54	3,342.95
MW - 2	03/10/15	Carlos	3390.85	-	47.78	48.24	0.46	3,343.00
MW - 2	03/17/15	Carlos	3390.85	-	47.76	48.22	0.46	3,343.02
MW - 2	03/18/15	Manny/Art	3390.85	-	47.72	48.13	0.41	3,343.07
MW - 2	03/25/15	Carlos	3390.85	-	47.71	48.07	0.36	3,343.09
MW - 2	04/07/15	Carlos/ Matt	3390.85	-	47.70	48.00	0.30	3,343.11
MW - 2	04/08/15	Manny	3390.85	-	47.62	47.85	0.23	3,343.20
MW - 2	04/21/15	Carlos/ Matt	3390.85	-	47.67	47.71	0.04	3,343.17
MW - 2	04/28/15	Chance	3390.85	-	48.14	49.14	1.00	3,342.56
MW - 2	05/06/15	Carlos	3390.85	-	47.59	47.76	0.17	3,343.23
MW - 2	05/20/15	Carlos	3390.85	-	-	47.54	0.00	3,343.31
MW - 2	05/28/15	Manny/Arthur	3390.85	56.32	-	47.42	0.00	3,343.43
MW - 2	06/02/15	Arthur/ Chance	3390.85	-	-	47.46	0.00	3,343.39
MW - 2	06/09/15	Carlos	3390.85	-	-	47.44	0.00	3,343.41
MW - 2	06/18/15	Carlos	3390.85	-	-	47.52	0.00	3,343.33
MW - 2	06/30/15	Carlos/ Arthur	3390.85	-	-	47.54	0.00	3,343.31
MW - 2	07/06/15	Carlos	3390.85	-	-	47.54	0.00	3,343.31
MW - 2	07/09/15	Carlos	3390.85	-	-	47.51	0.00	3,343.34
MW - 2	07/21/15	Fernando/Mark	3390.85	-	-	47.50	0.00	3,343.35
MW - 2	07/28/15	Carlos	3390.85	-	-	47.50	0.00	3,343.35
MW - 2	08/06/15	Chance	3390.85	-	48.17	49.14	0.97	3,342.53
MW - 2	08/11/15	Mark	3390.85	-	-	47.55	0.00	3,343.30
MW - 2	08/18/15	Mark/Fernando	3390.85	-	-	47.54	0.00	3,343.31
MW - 2	08/26/15	Manny	3390.85	56.39	-	47.70	0.00	3,343.15
MW - 2	09/11/15	Carlos	3390.85	-	-	47.71	0.00	3,343.14
MW - 2	09/17/15	Carlos	3390.85	-	-	47.73	0.00	3,343.12
MW - 2	09/25/15	Manny	3390.85	-	47.86	47.87	0.01	3,342.99
MW - 2	09/30/15	Arthur/Carlos	3390.85	-	47.81	47.82	0.01	3,343.04
MW - 2	10/06/15	Mark	3390.85	-	47.80	47.81	0.01	3,343.05
MW - 2	10/09/15	Manny	3390.85	-	47.90	47.91	0.01	3,342.95
MW - 2	10/13/15	Carlos	3390.85	-	47.89	47.90	0.01	3,342.96
MW - 2	10/15/15	Carlos	3390.85	-	47.88	47.89	0.01	3,342.97
MW - 2	10/21/15	Carlos	3390.85	-	48.78	48.89	0.11	3,342.05
MW - 2	10/26/15	Carlos	3390.85	-	48.78	48.88	0.10	3,342.06
MW - 2	11/09/15	Carlos	3390.85	-	47.88	47.92	0.04	3,342.96
MW - 2	11/20/15	Manny	3390.85	-	47.76	47.81	0.05	3,343.08
MW - 2	11/25/15	Carlos	3390.85	-	47.94	47.95	0.01	3,342.91
MW - 2	12/01/15	Carlos	3390.85	-	-	47.86	0.00	3,342.99
MW - 2	12/09/15	Carlos	3390.85	-	-	47.87	0.00	3,342.98
MW - 2	12/11/15	Manny	3390.85	-	-	47.63	0.00	3,343.22
MW - 2	12/15/15	Carlos	3390.85	-	-	48.11	0.00	3,342.74
MW - 2	01/06/16	Carlos	3390.85	-	-	47.56	0.00	3,343.29

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCID INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 2	01/11/16	Carlos	3390.85	-	-	47.48	0.00	3,343.37
MW - 2	01/13/16	Carlos	3390.85	-	-	47.33	0.00	3,343.52
MW - 2	01/28/16	Carlos	3390.85	-	-	47.50	0.00	3,343.35
MW - 2	02/03/16	Carlos	3390.85	-	-	47.39	0.00	3,343.46
MW - 2	02/10/16	Carlos	3390.85	-	-	47.37	0.00	3,343.48
MW - 2	02/15/16	Carlos	3390.85	-	-	47.24	0.00	3,343.61
MW - 2	02/17/16	Manny	3390.85	56.27	-	47.29	0.00	3,343.56
MW - 2	02/23/16	Carlos	3390.85	-	-	47.27	0.00	3,343.58
MW - 2	03/08/16	Carlos	3390.85	-	-	47.22	0.00	3,343.63
MW - 2	03/16/16	Carlos	3390.85	-	-	47.18	0.00	3,343.67
MW - 2	03/18/16	Manny	3390.85	-	-	47.30	0.00	3,343.55
MW - 2	03/23/16	Carlos	3390.85	-	-	47.13	0.00	3,343.72
MW - 2	03/29/16	Carlos	3390.85	-	-	47.09	0.00	3,343.76
MW - 2	04/04/16	Carlos	3390.85	-	-	47.23	0.00	3,343.62
MW - 2	04/08/16	Carlos	3390.85	-	-	47.15	0.00	3,343.70
MW - 2	04/12/16	Fernando	3390.85	-	-	47.30	0.00	3,343.55
MW - 2	05/03/16	Carlos	3390.85	-	-	47.42	0.00	3,343.43
MW - 2	05/12/16	Mark	3390.85	-	-	47.15	0.00	3,343.70
MW - 2	05/26/16	Manny	3390.85	56.22	-	47.10	0.00	3,343.75
MW - 2	06/09/16	Carlos	3390.85	-	-	47.16	0.00	3,343.69
MW - 2	07/01/16	Carlos	3390.85	-	-	47.20	0.00	3,343.65
MW - 2	07/20/16	Carlos	3390.85	-	-	47.39	0.00	3,343.46
MW - 2	07/28/16	Carlos	3390.85	-	-	47.26	0.00	3,343.59
MW - 2	08/04/16	Manny / Wes	3390.85	56.23	-	47.24	0.00	3,343.61
MW - 2	08/10/16	Carlos	3390.85	-	-	47.33	0.00	3,343.52
MW - 2	08/16/16	Carlos	3390.85	-	-	47.34	0.00	3,343.51
MW - 2	08/23/16	Carlos	3390.85	-	-	47.32	0.00	3,343.53
MW - 2	09/12/16	Carlos	3390.85	-	-	47.30	0.00	3,343.55
MW - 2	09/23/16	Carlos	3390.85	-	-	47.29	0.00	3,343.56
MW - 2	09/28/16	Manny	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	Carlos	3390.85	-	-	47.17	0.00	3,343.68
MW - 2	11/02/16	Carlos	3390.85	-	-	47.21	0.00	3,343.64
MW - 2	11/09/16	Carlos	3390.85	-	-	47.22	0.00	3,343.63
MW - 2	11/29/16	Manny	3390.85	56.19	-	47.06	0.00	3,343.79
MW - 2	12/16/16	Carlos	3390.85	-	-	46.94	0.00	3,343.91
MW - 2	12/21/16	Carlos	3390.85	-	-	47.03	0.00	3,343.82
MW - 2	01/13/17	Carlos	3390.85	-	-	46.89	0.00	3,343.96
MW - 2	01/20/17	Carlos	3390.85	-	-	46.83	0.00	3,344.02
MW - 2	01/26/17	Carlos	3390.85	-	-	46.93	0.00	3,343.92
MW - 2	02/07/17	Carlos	3390.85	-	-	46.88	0.00	3,343.97
MW - 2	02/20/17	Carlos	3390.85	-	-	46.83	0.00	3,344.02
MW - 2	02/27/17	Manny	3390.85	56.16	-	46.81	0.00	3,344.04
MW - 2	03/30/17	Carlos	3390.85	-	-	46.70	0.00	3,344.15
MW - 2	04/04/17	Carlos	3390.85	-	-	46.70	0.00	3,344.15
MW - 2	04/21/17	Jeremy	3390.85	-	-	46.68	0.00	3,344.17
MW - 2	05/18/17	Manny	3390.85	56.19	-	46.65	0.00	3,344.20
MW - 2	07/20/17	Manny	3390.85	-	-	47.63	0.00	3,343.22
MW - 2	08/29/17	Manny	3390.85	56.05	-	46.54	0.00	3,344.31
MW - 2	10/13/17	Jeremy	3390.85	-	-	46.44	0.00	3,344.41
MW - 2	10/20/17	Jeremy	3390.85	-	-	46.44	0.00	3,344.41
MW - 2	11/07/17	Manny	3390.85	56.21	-	46.48	0.00	3,344.37
MW - 2	01/31/18	Manny	3390.85	-	-	46.29	0.00	3,344.56
MW - 2	02/22/18	Manny	3390.85	56.07	-	46.37	0.00	3,344.48
MW - 2	03/15/18	Manny	3390.85	-	-	46.42	0.00	3,344.43
MW - 2	04/20/18	Manny	3390.85	-	-	46.39	0.00	3,344.46
MW - 2	05/23/18	Manny	3390.85	56.18	-	46.42	0.00	3,344.43
MW - 2	06/27/18	Manny	3390.85	-	-	46.45	0.00	3,344.40
MW - 2	07/31/18	Manny	3390.85	-	-	46.65	0.00	3,344.20
MW - 2	08/14/18	Manny	3390.85	-	-	46.49	0.00	3,344.36
MW - 2	08/29/18	Manny	3390.85	56.40	-	46.58	0.00	3,344.27
MW - 2	09/07/18	Jeremy	3390.85	-	-	46.57	0.00	3,344.28
MW - 2	09/28/18	Manny	3390.85	-	-	46.57	0.00	3,344.28
MW - 2	10/04/18	Manny	3390.85	-	-	46.61	0.00	3,344.24
MW - 2	10/17/18	Manny	3390.85	-	-	46.68	0.00	3,344.17

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 2	11/09/18	Manny	3390.85	-	-	46.71	0.00	3,344.14
MW - 2	11/15/18	Manny/Elias	3390.85	-	-	46.60	0.00	3,344.25
MW - 2	11/19/18	Manny/Elias	3390.85	-	-	-	0.00	#VALUE!
MW - 2	11/29/18	Manny/Elias	3390.85	56.33	-	46.42	0.00	3,344.43
MW - 2	12/03/18	Manny/Elias	3390.85	-	-	46.49	0.00	3,344.36
MW - 2	12/13/18	Manny/Elias	3390.85	-	-	46.50	0.00	3,344.35
MW - 2	12/21/18	Manny/Elias	3390.85	-	-	46.45	0.00	3,344.40
MW - 2	12/28/18	Manny/Elias	3390.85	-	-	46.52	0.00	3,344.33
MW - 2	01/03/19	Manny/Elias	3390.85	-	-	46.47	0.00	3,344.38
MW - 2	01/07/19	Manny/Elias	3390.85	-	-	46.43	0.00	3,344.42
MW - 2	01/16/19	Manny/Elias	3390.85	-	-	46.49	0.00	3,344.36
MW - 2	01/21/19	Manny/Elias	3390.85	-	-	46.36	0.00	3,344.49
MW - 2	01/28/19	Manny/Elias	3390.85	-	-	46.42	0.00	3,344.43
MW - 2	02/08/19	Manny/Elias	3390.85	-	-	46.46	0.00	3,344.39
MW - 2	02/13/19	Manny/Elias	3390.85	-	-	46.32	0.00	3,344.53
MW - 2	02/19/19	Manny/Elias	3390.85	-	-	46.28	0.00	3,344.57
MW - 2	03/01/19	Manny/Elias	3390.85	-	-	46.40	0.00	3,344.45
MW - 2	03/05/19	Manny/Elias	3390.85	56.32	-	46.44	0.00	3,344.41
MW - 2	03/20/19	Manny/Elias	3390.85	-	-	46.49	0.00	3,344.36
MW - 2	03/27/19	Manny/Elias	3390.85	-	-	46.33	0.00	3,344.52
MW - 2	04/04/19	Manny/Elias	3390.85	-	-	46.42	0.00	3,344.43
MW - 2	04/09/19	Manny/Elias	3390.85	-	-	46.29	0.00	3,344.56
MW - 2	04/16/19	Manny/Elias	3390.85	-	-	46.35	0.00	3,344.50
MW - 2	04/23/19	Manny/Elias	3390.85	-	-	46.38	0.00	3,344.47
MW - 2	05/03/19	Manny	3390.85	-	-	46.42	0.00	3,344.43
MW - 2	05/10/19	Manny	3390.85	-	-	46.35	0.00	3,344.50
MW - 2	05/23/19	Elias	3390.85	-	-	46.20	0.00	3,344.65
MW - 2	06/11/19	Elias	3390.85	56.31	-	46.21	0.00	3,344.64
MW - 2	06/20/19	Elias	3390.85	-	-	46.16	0.00	3,344.69
MW - 2	06/25/19	Elias	3390.85	-	-	46.19	0.00	3,344.66
MW - 2	07/03/19	Elias	3390.85	-	-	46.16	0.00	3,344.69
MW - 2	07/15/19	Elias	3390.85	-	-	46.14	0.00	3,344.71
MW - 2	07/31/19	Elias	3390.85	-	-	46.17	0.00	3,344.68
MW - 2	08/07/19	Elias	3390.85	-	-	46.27	0.00	3,344.58
MW - 2	08/15/19	Elias	3390.85	56.33	-	46.14	0.00	3,344.71
MW - 2	08/23/19	Elias	3390.85	-	-	46.17	0.00	3,344.68
MW - 2	09/06/19	Elias	3390.85	-	-	46.12	0.00	3,344.73
MW - 2	09/10/19	Elias	3390.85	-	-	46.09	0.00	3,344.76
MW - 2	09/18/19	Elias	3390.85	-	-	46.08	0.00	3,344.77
MW - 2	10/18/19	Elias	3390.85	-	-	45.98	0.00	3,344.87
MW - 2	11/01/19	Elias	3390.85	-	-	46.08	0.00	3,344.77
MW - 2	11/13/19	Elias	3390.85	-	-	45.91	0.00	3,344.94
MW - 2	11/25/19	Elias	3390.85	60.92	-	46.64	0.00	3,344.21
MW - 2	12/05/19	Elias	3390.85	-	-	46.05	0.00	3,344.80
MW - 2	12/12/19	Elias	3390.85	-	-	45.93	0.00	3,344.92
MW - 2	12/19/19	Manny	3390.85	-	-	45.95	0.00	3,344.90
MW - 2	12/27/19	Manny	3390.85	-	-	45.92	0.00	3,344.93
MW - 2	01/16/20	Manny	3390.85	-	-	45.98	0.00	3,344.87
MW - 2	01/24/20	Manny	3390.85	-	-	45.93	0.00	3,344.92
MW - 2	02/06/20	Manny	3390.85	-	-	45.88	0.00	3,344.97
MW - 2	02/14/20	Manny	3390.85	-	-	45.90	0.00	3,344.95
MW - 2	02/21/20	Manny	3390.85	-	-	45.97	0.00	3,344.88
MW - 2	02/25/20	Elias	3390.85	56.33	-	45.94	0.00	3,344.91
MW - 2	05/28/20	Manny	3390.85	-	-	45.82	0.00	3,345.03
MW - 2	06/15/20	Manny	3390.85	56.31	-	45.82	0.00	3,345.03
MW - 2	07/01/20	Manny	3390.85	-	-	45.82	0.00	3,345.03
MW - 2	07/29/20	Manny	3390.85	-	-	46.00	0.00	3,344.85
MW - 2	08/20/20	Manny	3390.85	-	-	46.05	0.00	3,344.80
MW - 2	08/27/20	Manny	3390.85	56.33	-	46.06	0.00	3,344.79
MW - 2	09/10/20	Manny	3390.85	-	-	46.12	0.00	3,344.73
MW - 2	10/21/20	Manny	3390.85	-	-	46.12	0.00	3,344.73
MW - 2	11/02/20	Manny	3390.85	-	-	46.06	0.00	3,344.79
MW - 2	12/01/20	Manny	3390.85	56.30	-	45.84	0.00	3,345.01
MW - 2	12/07/20	Manny	3390.85	-	-	45.97	0.00	3,344.88
MW - 2	01/06/21	Manny	3390.85	-	-	45.88	0.00	3,344.97

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 2	02/04/21	Manny	3390.85	-	-	45.92	0.00	3,344.93
MW - 2	02/12/21	Manny	3390.85	-	-	45.91	0.00	3,344.94
MW - 2	03/31/21	Manny	3390.85	-	-	45.85	0.00	3,345.00
MW - 2	04/13/21	Manny	3390.85	-	-	45.73	0.00	3,345.12
MW - 2	04/26/21	Manny	3390.85	-	-	45.66	0.00	3,345.19
MW - 2	05/11/21	Manny	3390.85	-	-	45.67	0.00	3,345.18
MW - 2	06/17/21	Manny	3390.85	56.30	-	45.72	0.00	3,345.13
MW - 2	07/12/21	Manny	3390.85	-	-	45.84	0.00	3,345.01
MW - 2	07/28/21	Manny	3390.85	-	-	45.97	0.00	3,344.88
MW - 2	08/10/21	Manny	3390.85	-	-	45.89	0.00	3,344.96
MW - 2	08/19/21	Manny	3390.85	-	-	45.97	0.00	3,344.88
MW - 2	09/14/21	Manny	3390.85	-	-	46.06	0.00	3,344.79
MW - 2	09/24/21	Manny	3390.85	56.29	-	46.10	0.00	3,344.75
MW - 2	10/18/21	Manny	3390.85	-	-	46.13	0.00	3,344.72
MW - 2	10/25/21	Manny	3390.85	-	-	46.13	0.00	3,344.72
MW - 2	11/04/21	Manny	3390.85	-	-	46.18	0.00	3,344.67
MW - 2	11/30/21	Manny	3390.85	56.23	-	46.13	0.00	3,344.72
MW - 2	12/27/21	Manny	3390.85	-	-	46.11	0.00	3,344.74
MW - 2	01/03/22	Manny	3390.85	-	-	46.23	0.00	3,344.62
MW - 2	01/17/22	Manny	3390.85	-	-	46.17	0.00	3,344.68
MW - 2	02/11/22	Manny	3390.85	-	-	46.14	0.00	3,344.71
MW - 2	03/02/22	Manny	3390.85	56.32	-	46.23	0.00	3,344.62
MW - 2	03/24/22	Manny	3390.85	-	-	46.24	0.00	3,344.61
MW - 2	04/08/22	Manny	3390.85	-	-	46.30	0.00	3,344.55
MW - 2	04/22/22	Manny	3390.85	-	-	46.22	0.00	3,344.63
MW - 2	05/06/22	Manny	3390.85	-	-	46.29	0.00	3,344.56
MW - 2	05/25/22	Manny	3390.85	56.34	-	46.22	0.00	3,344.63
MW - 2	06/20/22	Manny	3390.85	-	-	46.40	0.00	3,344.45
MW - 2	07/11/22	Manny	3390.85	-	-	46.52	0.00	3,344.33
MW - 2	08/19/22	Manny	3390.85	-	-	46.60	0.00	3,344.25
MW - 2	09/12/22	Manny	3390.85	56.34	-	46.65	0.00	3,344.20
MW - 2	09/21/22	Manny	3390.85	-	-	46.69	0.00	3,344.16
MW - 2	10/05/22	Manny	3390.85	-	-	46.77	0.00	3,344.08
MW - 2	11/22/22	Manny	3390.85	-	-	46.76	0.00	3,344.09
MW - 2	11/30/22	Manny	3390.85	56.35	-	46.75	0.00	3,344.10
MW - 2	12/05/22	Manny	3390.85	-	-	46.70	0.00	3,344.15
MW - 2	01/04/23	Manny	3390.85	-	-	46.79	0.00	3,344.06
MW - 2	02/21/23	Manny	3390.85	56.25	-	46.60	0.00	3,344.25
MW - 2	03/22/23	Manny	3390.85	-	-	46.65	0.00	3,344.20
MW - 2	04/14/23	Manny	3390.85	-	46.50	46.92	0.42	3,344.29
MW - 2	05/22/23	Manny	3390.85	56.32	-	46.78	0.00	3,344.07
MW - 2	05/23/23	Manny	3390.85	-	-	46.78	0.00	3,344.07
MW - 2	06/28/23	Manny	3390.85	-	-	46.75	0.00	3,344.10
MW - 2	07/14/23	Manny	3390.85	-	-	46.80	0.00	3,344.05
MW - 2	08/03/23	Manny	3390.85	56.35	-	46.97	0.00	3,343.88
MW - 2	08/15/23	Manny	3390.85	-	-	46.94	0.00	3,343.91
MW - 2	09/12/23	Manny	3390.85	-	47.07	47.12	0.05	3,343.77
MW - 2	11/15/23	Manny	3390.85	-	47.04	47.10	0.06	3,343.80
MW - 2	11/17/23	Manny	3390.85	-	47.04	47.10	0.06	3,343.80
MW - 2	12/22/23	Manny	3390.85	-	-	47.03	0.00	3,343.82
MW - 2	02/02/24	Manny	3390.85	-	-	46.92	0.00	3,343.93
MW - 2	02/14/24	Manny	3390.85	56.37	-	46.83	0.00	3,344.02
MW - 2	03/12/24	Manny	3390.85	-	-	46.65	0.00	3,344.20
MW - 2	04/17/24	Manny	3390.85	-	-	46.65	0.00	3,344.20
MW - 2	05/02/24	Manny	3390.85	-	-	46.56	0.00	3,344.29
MW - 2	05/14/24	Manny	3390.85	56.37	-	46.60	0.00	3,344.25
MW - 2	06/14/24	Manny	3390.85	-	-	46.76	0.00	3,344.09
MW - 2	07/03/24	Manny	3390.85	-	-	47.35	0.00	3,343.50
MW - 2	08/01/24	Manny	3390.85	-	-	47.03	0.00	3,343.82
MW - 2	09/16/24	Manny	3390.85	56.26	-	47.09	0.00	3,343.76
MW - 2	10/15/24	Manny	3390.85	-	-	48.10	0.00	3,342.75
MW - 2	10/31/24	Manny	3390.85	56.30	-	47.12	0.00	3,343.73
MW - 2	11/08/24	Manny	3390.85	-	-	47.17	0.00	3,343.68
MW - 2	12/03/24	Manny	3390.85	-	-	47.16	0.00	3,343.69

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 3	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
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	12/29/08		3391.08	-	-	-	-	-
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

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCID INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 3	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	58.82	-	48.41	0.00	3,342.67
MW - 3	03/05/14	John F.	3391.08	-	-	48.39	0.00	3,342.69
MW - 3	05/29/14	David	3391.08	-	-	48.38	0.00	3,342.70
MW - 3	07/23/14	David	3391.08	-	-	48.65	0.00	3,342.43
MW - 3	08/12/14	David	3391.08	-	-	48.66	0.00	3,342.42
MW - 3	10/28/14	Manny	3391.08	-	-	48.49	0.00	3,342.59
MW - 3	11/15/14	Manny	3391.08	58.76	-	48.38	0.00	3,342.70
MW - 3	02/16/15	Manny	3391.08	-	-	48.04	0.00	3,343.04
MW - 3	03/18/15	Manny/Art	3391.08	-	-	47.93	0.00	3,343.15
MW - 3	04/08/15	Manny	3391.08	-	-	47.78	0.00	3,343.30
MW - 3	05/28/15	Manny/Arthur	3391.08	-	-	47.59	0.00	3,343.49
MW - 3	07/09/15	Carlos	3391.08	-	-	47.57	0.00	3,343.51
MW - 3	08/26/15	Manny	3391.08	-	-	47.74	0.00	3,343.34
MW - 3	09/11/15	Carlos	3391.08	-	-	47.85	0.00	3,343.23
MW - 3	09/25/15	Manny	3391.08	-	-	47.94	0.00	3,343.14
MW - 3	10/09/15	Manny	3391.08	-	-	48.01	0.00	3,343.07
MW - 3	10/15/15	Carlos	3391.08	-	-	47.88	0.00	3,343.20
MW - 3	11/20/15	Manny	3391.08	58.68	-	47.89	0.00	3,343.19
MW - 3	12/11/15	Manny	3391.08	-	-	47.75	0.00	3,343.33
MW - 3	01/13/16	Carlos	3391.08	-	-	47.63	0.00	3,343.45
MW - 3	02/17/16	Manny	3391.08	-	-	47.43	0.00	3,343.65
MW - 3	03/18/16	Manny	3391.08	-	-	47.37	0.00	3,343.71
MW - 3	04/08/16	Carlos	3391.08	-	-	47.30	0.00	3,343.78
MW - 3	04/12/16	Fernando	3391.08	-	-	47.34	0.00	3,343.74
MW - 3	05/03/16	Carlos	3391.08	-	-	47.27	0.00	3,343.81
MW - 3	05/26/16	Manny	3391.08	-	-	47.19	0.00	3,343.89
MW - 3	06/09/16	Carlos	3391.08	-	-	47.29	0.00	3,343.79
MW - 3	07/01/16	Carlos	3391.08	-	-	47.27	0.00	3,343.81
MW - 3	07/20/16	Carlos	3391.08	-	-	47.43	0.00	3,343.65
MW - 3	08/04/16	Manny / Wes	3391.08	-	-	47.36	0.00	3,343.72
MW - 3	09/28/16	Manny	3391.08	-	-	47.47	0.00	3,343.61
MW - 3	11/29/16	Manny	3391.08	58.75	-	47.21	0.00	3,343.87
MW - 3	12/16/16	Carlos	3391.08	-	-	47.09	0.00	3,343.99
MW - 3	01/26/17	Carlos	3391.08	-	-	47.07	0.00	3,344.01
MW - 3	02/27/17	Manny	3391.08	-	-	46.94	0.00	3,344.14
MW - 3	03/30/17	Carlos	3391.08	-	-	46.89	0.00	3,344.19
MW - 3	04/21/17	Jeremy	3391.08	-	-	46.84	0.00	3,344.24
MW - 3	05/18/17	Manny	3391.08	-	-	46.79	0.00	3,344.29
MW - 3	07/20/17	Manny	3391.08	-	-	46.79	0.00	3,344.29
MW - 3	08/29/17	Manny	3391.08	-	-	46.75	0.00	3,344.33
MW - 3	10/13/17	Jeremy	3391.08	-	-	46.63	0.00	3,344.45
MW - 3	10/20/17	Jeremy	3391.08	-	-	46.63	0.00	3,344.45
MW - 3	11/07/17	Manny	3391.08	58.75	-	46.63	0.00	3,344.45
MW - 3	01/31/18	Manny	3391.08	-	-	46.42	0.00	3,344.66
MW - 3	02/22/18	Manny	3391.08	-	-	46.49	0.00	3,344.59
MW - 3	03/15/18	Manny	3391.08	-	-	46.42	0.00	3,344.66
MW - 3	04/20/18	Manny	3391.08	-	-	46.42	0.00	3,344.66
MW - 3	05/22/18	Manny	3391.08	-	-	46.41	0.00	3,344.67
MW - 3	06/27/18	Manny	3391.08	-	-	46.50	0.00	3,344.58
MW - 3	07/31/18	Manny	3391.08	-	-	46.64	0.00	3,344.44

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 3	08/29/18	Manny	3391.08	-	-	46.68	0.00	3,344.40
MW - 3	09/28/18	Manny	3391.08	-	-	46.69	0.00	3,344.39
MW - 3	11/29/18	Manny/Elias	3391.08	58.76	-	46.56	0.00	3,344.52
MW - 3	12/13/18	Manny/Elias	3391.08	-	-	46.60	0.00	3,344.48
MW - 3	01/03/19	Manny/Elias	3391.08	-	-	46.51	0.00	3,344.57
MW - 3	03/05/19	Manny/Elias	3391.08	-	-	46.52	0.00	3,344.56
MW - 3	03/20/19	Manny/Elias	3391.08	-	-	46.48	0.00	3,344.60
MW - 3	04/04/19	Manny/Elias	3391.08	-	-	46.41	0.00	3,344.67
MW - 3	06/11/19	Elias	3391.08	-	-	46.31	0.00	3,344.77
MW - 3	07/15/19	Elias	3391.08	-	-	42.27	0.00	3,348.81
MW - 3	08/15/19	Elias	3391.08	-	-	46.26	0.00	3,344.82
MW - 3	11/25/19	Elias	3391.08	58.84	-	46.04	0.00	3,345.04
MW - 3	12/12/19	Elias	3391.08	-	-	46.08	0.00	3,345.00
MW - 3	01/24/20	Elias	3391.08	-	-	46.05	0.00	3,345.03
MW - 3	02/25/20	Elias	3391.08	-	-	46.07	0.00	3,345.01
MW - 3	05/28/20	Manny	3391.08	-	-	45.95	0.00	3,345.13
MW - 3	06/15/20	Manny	3391.08	-	-	45.93	0.00	3,345.15
MW - 3	08/27/20	Manny	3391.08	-	-	46.03	0.00	3,345.05
MW - 3	09/10/20	Manny	3391.08	-	-	46.14	0.00	3,344.94
MW - 3	10/21/20	Manny	3391.08	-	-	46.10	0.00	3,344.98
MW - 3	12/01/20	Manny	3391.08	58.62	-	45.99	0.00	3,345.09
MW - 3	01/06/21	Manny	3391.08	-	-	46.05	0.00	3,345.03
MW - 3	02/04/21	Manny	3391.08	-	-	46.04	0.00	3,345.04
MW - 3	04/26/21	Manny	3391.08	-	-	45.77	0.00	3,345.31
MW - 3	06/17/21	Manny	3391.08	-	-	45.83	0.00	3,345.25
MW - 3	07/28/21	Manny	3391.08	-	-	45.99	0.00	3,345.09
MW - 3	08/19/21	Manny	3391.08	-	-	46.03	0.00	3,345.05
MW - 3	09/24/21	Manny	3391.08	-	-	46.14	0.00	3,344.94
MW - 3	10/18/21	Manny	3391.08	-	-	46.20	0.00	3,344.88
MW - 3	11/30/21	Manny	3391.08	58.69	-	46.22	0.00	3,344.86
MW - 3	01/17/22	Manny	3391.08	-	-	46.18	0.00	3,344.90
MW - 3	03/02/22	Manny	3391.08	58.65	-	46.25	0.00	3,344.83
MW - 3	04/08/22	Manny	3391.08	-	-	46.34	0.00	3,344.74
MW - 3	05/26/22	Manny	3391.08	58.62	-	46.36	0.00	3,344.72
MW - 3	09/12/22	Manny	3391.08	58.61	-	46.80	0.00	3,344.28
MW - 3	11/29/22	Manny	3391.08	58.53	-	46.73	0.00	3,344.35
MW - 3	02/21/23	Manny	3391.08	58.54	-	46.74	0.00	3,344.34
MW - 3	05/23/23	Manny	3391.08	58.52	-	46.66	0.00	3,344.42
MW - 3	08/03/23	Manny	3391.08	58.55	-	47.02	0.00	3,344.06
MW - 3	08/15/23	Manny	3391.08	58.54	-	47.01	0.00	3,344.07
MW - 3	11/16/23	Manny	3391.08	58.59	-	47.16	0.00	3,343.92
MW - 3	02/14/24	Manny	3391.08	58.46	-	46.90	0.00	3,344.18
MW - 3	05/14/24	Manny	3391.08	58.49	-	46.67	0.00	3,344.41
MW - 3	09/16/24	Manny	3391.08	58.49	-	47.16	0.00	3,343.92
MW - 3	10/31/24	Manny	3391.08	59.26	-	47.29	0.00	3,343.79
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
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

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 4	08/19/03		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
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
MW - 4	10/1/2005		-	-	-	-	-	-
MW - 4	11/14/05		-	-	sheen	46.49	0.00	-
MW - 4	12/01/05		-	-	-	-	-	-
MW - 4	12/01/05		3390.94	-	-	-	-	-
MW - 4	12/14/05		3390.94	NS	-	-	-	-
MW - 4	12/28/05		3390.94	-	-	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		P&A	-	-	-	-	-
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

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 5	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
MW - 5	09/07/05		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	64.78	-	48.56	0.00	3,342.97
MW - 5	03/05/14	John F.	3391.53	-	-	48.50	0.00	3,343.03
MW - 5	05/29/14	David	3391.53	-	-	48.51	0.00	3,343.02
MW - 5	07/23/14	David	3391.53	-	-	48.76	0.00	3,342.77
MW - 5	08/12/14	David	3391.53	-	-	48.80	0.00	3,342.73
MW - 5	10/28/14	Manny	3391.53	-	-	48.67	0.00	3,342.86
MW - 5	11/15/14	Manny	3391.53	64.71	-	48.54	0.00	3,342.99
MW - 5	02/16/15	Manny	3391.53	-	-	48.21	0.00	3,343.32
MW - 5	03/18/15	Manny/Art	3391.53	-	-	48.07	0.00	3,343.46
MW - 5	04/08/15	Manny	3391.53	-	-	47.94	0.00	3,343.59
MW - 5	05/28/15	Manny/Arthur	3391.53	-	-	47.75	0.00	3,343.78
MW - 5	07/09/15	Carlos	3391.53	-	-	47.72	0.00	3,343.81
MW - 5	08/26/15	Manny	3391.53	-	-	47.90	0.00	3,343.63
MW - 5	09/11/15	Carlos	3391.53	-	-	47.99	0.00	3,343.54
MW - 5	09/25/15	Manny	3391.53	-	-	48.07	0.00	3,343.46
MW - 5	10/09/15	Manny	3391.53	-	-	48.15	0.00	3,343.38
MW - 5	10/15/15	Carlos	3391.53	-	-	48.04	0.00	3,343.49
MW - 5	11/20/15	Manny	3391.53	64.71	-	48.04	0.00	3,343.49

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 5	12/11/15	Manny	3391.53	-	-	47.91	0.00	3,343.62
MW - 5	01/13/16	Carlos	3391.53	-	-	47.74	0.00	3,343.79
MW - 5	02/17/16	Manny	3391.53	-	-	47.58	0.00	3,343.95
MW - 5	03/18/16	Manny	3391.53	-	-	47.52	0.00	3,344.01
MW - 5	04/08/16	Carlos	3391.53	-	-	47.45	0.00	3,344.08
MW - 5	04/12/16	Fernando	3391.53	-	-	47.49	0.00	3,344.04
MW - 5	05/03/16	Carlos	3391.53	-	-	47.40	0.00	3,344.13
MW - 5	05/26/16	Manny	3391.53	-	-	47.34	0.00	3,344.19
MW - 5	06/09/16	Carlos	3391.53	-	-	47.45	0.00	3,344.08
MW - 5	07/01/16	Carlos	3391.53	-	-	47.43	0.00	3,344.10
MW - 5	07/20/16	Carlos	3391.53	-	-	47.59	0.00	3,343.94
MW - 5	08/04/16	Manny/ Wes	3391.53	-	-	47.53	0.00	3,344.00
MW - 5	09/28/16	Manny	3391.53	-	-	47.61	0.00	3,343.92
MW - 5	11/29/16	Manny	3391.53	64.65	-	47.38	0.00	3,344.15
MW - 5	12/16/16	Carlos	3391.53	-	-	47.27	0.00	3,344.26
MW - 5	01/26/17	Carlos	3391.53	-	-	47.28	0.00	3,344.25
MW - 5	02/27/17	Manny	3391.53	-	-	47.11	0.00	3,344.42
MW - 5	03/30/17	Carlos	3391.53	-	-	47.07	0.00	3,344.46
MW - 5	04/21/17	Jeremy	3391.53	-	-	47.02	0.00	3,344.51
MW - 5	05/18/17	Manny	3391.53	-	-	46.98	0.00	3,344.55
MW - 5	07/20/17	Manny	3391.53	-	-	46.97	0.00	3,344.56
MW - 5	08/29/17	Manny	3391.53	-	-	46.92	0.00	3,344.61
MW - 5	10/13/17	Jeremy	3391.53	-	-	46.82	0.00	3,344.71
MW - 5	10/20/17	Jeremy	3391.53	-	-	46.82	0.00	3,344.71
MW - 5	11/07/17	Manny	3391.53	64.68	-	46.83	0.00	3,344.70
MW - 5	01/31/18	Manny	3391.53	-	-	46.62	0.00	3,344.91
MW - 5	02/22/18	Manny	3391.53	-	-	46.68	0.00	3,344.85
MW - 5	03/15/18	Manny	3391.53	-	-	46.62	0.00	3,344.91
MW - 5	04/20/18	Manny	3391.53	-	-	46.63	0.00	3,344.90
MW - 5	05/22/18	Manny	3391.53	-	-	46.61	0.00	3,344.92
MW - 5	06/27/18	Manny	3391.53	-	-	46.70	0.00	3,344.83
MW - 5	07/31/18	Manny	3391.53	-	-	46.83	0.00	3,344.70
MW - 5	08/29/18	Manny	3391.53	-	-	46.87	0.00	3,344.66
MW - 5	11/29/18	Manny/Elias	3391.53	64.71	-	46.74	0.00	3,344.79
MW - 5	12/13/18	Manny/Elias	3391.53	-	-	46.80	0.00	3,344.73
MW - 5	01/03/19	Manny/Elias	3391.53	-	-	46.70	0.00	3,344.83
MW - 5	03/05/19	Manny/Elias	3391.53	-	-	46.71	0.00	3,344.82
MW - 5	03/20/19	Manny/Elias	3391.53	-	-	46.67	0.00	3,344.86
MW - 5	04/04/19	Manny/Elias	3391.53	-	-	46.54	0.00	3,344.99
MW - 5	06/11/19	Elias	3391.53	-	-	46.50	0.00	3,345.03
MW - 5	07/15/19	Elias	3391.53	-	-	46.45	0.00	3,345.08
MW - 5	08/15/19	Elias	3391.53	-	-	46.45	0.00	3,345.08
MW - 5	11/25/19	Elias	3391.53	64.73	-	46.22	0.00	3,345.31
MW - 5	12/12/19	Elias	3391.53	-	-	46.28	0.00	3,345.25
MW - 5	01/24/20	Elias	3391.53	-	-	46.24	0.00	3,345.29
MW - 5	02/25/20	Elias	3391.53	-	-	46.27	0.00	3,345.26
MW - 5	05/28/20	Manny	3391.53	-	-	46.14	0.00	3,345.39
MW - 5	06/15/20	Manny	3391.53	-	-	46.12	0.00	3,345.41
MW - 5	08/27/20	Manny	3391.53	-	-	46.22	0.00	3,345.31
MW - 5	09/10/20	Manny	3391.53	-	-	46.34	0.00	3,345.19
MW - 5	10/21/20	Manny	3391.53	-	-	46.29	0.00	3,345.24
MW - 5	12/01/20	Manny	3391.53	64.65	-	46.19	0.00	3,345.34
MW - 5	01/06/21	Manny	3391.53	-	-	46.25	0.00	3,345.28
MW - 5	02/04/21	Manny	3391.53	-	-	46.24	0.00	3,345.29
MW - 5	04/26/21	Manny	3391.53	-	-	45.96	0.00	3,345.57
MW - 5	06/16/21	Manny	3391.53	-	-	46.03	0.00	3,345.50
MW - 5	07/28/21	Manny	3391.53	-	-	46.18	0.00	3,345.35
MW - 5	08/19/21	Manny	3391.53	-	-	46.22	0.00	3,345.31
MW - 5	09/24/21	Manny	3391.53	-	-	46.33	0.00	3,345.20
MW - 5	10/18/21	Manny	3391.53	-	-	46.36	0.00	3,345.17
MW - 5	11/30/21	Manny	3391.53	64.64	-	46.11	0.00	3,345.42
MW - 5	01/17/22	Manny	3391.53	-	-	46.38	0.00	3,345.15
MW - 5	03/02/22	Manny	3391.53	64.64	-	46.45	0.00	3,345.08
MW - 5	04/08/22	Manny	3391.53	-	-	46.55	0.00	3,344.98
MW - 5	05/26/22	Manny	3391.53	64.51	-	46.56	0.00	3,344.97

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 5	09/12/22	Manny	3391.53	64.56	-	46.95	0.00	3,344.58
MW - 5	11/29/22	Manny	3391.53	64.37	-	46.91	0.00	3,344.62
MW - 5	02/21/23	Manny	3391.53	64.30	-	46.94	0.00	3,344.59
MW - 5	05/23/23	Manny	3391.53	64.30	-	46.95	0.00	3,344.58
MW - 5	08/03/23	Manny	3391.53	64.32	-	47.14	0.00	3,344.39
MW - 5	08/15/23	Manny	3391.53	64.32	-	47.23	0.00	3,344.30
MW - 5	11/16/23	Manny	3391.53	64.20	-	47.33	0.00	3,344.20
MW - 5	02/14/24	Manny	3391.53	64.20	-	47.09	0.00	3,344.44
MW - 5	05/14/24	Manny	3391.53	64.86	-	46.86	0.00	3,344.67
MW - 5	09/16/24	Manny	3391.53	64.05	-	47.34	0.00	3,344.19
MW - 5	10/31/24	Manny	3391.53	64.01	-	47.44	0.00	3,344.09
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
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

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 6	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	57.35	-	48.79	0.00	3,342.35
MW - 6	11/07/13		3391.14	57.38	-	49.12	0.00	3,342.02
MW - 6	03/05/14	John F.	3391.14	57.28	-	49.15	0.00	3,341.99
MW - 6	05/29/14	David	3391.14	-	-	49.17	0.00	3,341.97
MW - 6	07/23/14	David	3391.14	-	-	49.43	0.00	3,341.71
MW - 6	08/12/14	David	3391.14	-	-	49.46	0.00	3,341.68
MW - 6	10/28/14	Manny	3391.14	-	-	49.24	0.00	3,341.90
MW - 6	11/15/14	Manny	3391.14	-	-	49.12	0.00	3,342.02
MW - 6	02/16/15	Manny	3391.14	57.11	-	48.77	0.00	3,342.37
MW - 6	03/18/15	Manny/Art	3391.14	-	-	48.67	0.00	3,342.47
MW - 6	04/08/15	Manny	3391.14	-	-	48.54	0.00	3,342.60
MW - 6	05/28/15	Manny/Arthur	3391.14	57.12	-	48.31	0.00	3,342.83
MW - 6	07/09/15	Carlos	3391.14	-	-	48.27	0.00	3,342.87
MW - 6	08/26/15	Manny	3391.14	57.11	-	48.45	0.00	3,342.69
MW - 6	09/11/15	Carlos	3391.14	-	-	48.56	0.00	3,342.58
MW - 6	09/25/15	Manny	3391.14	-	-	48.67	0.00	3,342.47
MW - 6	10/09/15	Manny	3391.14	-	-	48.71	0.00	3,342.43
MW - 6	10/15/15	Carlos	3391.14	-	-	48.64	0.00	3,342.50
MW - 6	11/20/15	Manny	3391.14	57.09	-	48.62	0.00	3,342.52
MW - 6	12/11/15	Manny	3391.14	-	-	48.48	0.00	3,342.66
MW - 6	01/13/16	Carlos	3391.14	-	-	48.28	0.00	3,342.86
MW - 6	02/17/16	Manny	3391.14	57.09	-	48.10	0.00	3,343.04
MW - 6	03/18/16	Manny	3391.14	-	-	48.07	0.00	3,343.07
MW - 6	04/08/16	Carlos	3391.14	-	-	48.02	0.00	3,343.12
MW - 6	04/12/16	Fernando	3391.14	-	-	48.06	0.00	3,343.08
MW - 6	05/03/16	Carlos	3391.14	-	-	47.97	0.00	3,343.17
MW - 6	05/26/16	Manny	3391.14	57.07	-	47.95	0.00	3,343.19
MW - 6	06/09/16	Carlos	3391.14	-	-	48.03	0.00	3,343.11
MW - 6	07/01/16	Carlos	3391.14	-	-	48.01	0.00	3,343.13
MW - 6	07/20/16	Carlos	3391.14	-	-	48.09	0.00	3,343.05
MW - 6	08/04/16	Manny/ Wes	3391.14	57.11	-	48.09	0.00	3,343.05
MW - 6	09/28/16	Manny	3391.14	-	-	48.16	0.00	3,342.98
MW - 6	11/29/16	Manny	3391.14	57.09	-	47.89	0.00	3,343.25
MW - 6	12/16/16	Carlos	3391.14	-	-	47.80	0.00	3,343.34
MW - 5	09/28/18	Manny	3391.53	-	-	46.87	0.00	3,344.66
MW - 6	01/26/17	Carlos	3391.14	-	-	47.77	0.00	3,343.37
MW - 6	02/27/17	Manny	3391.14	57.03	-	47.60	0.00	3,343.54
MW - 6	03/30/17	Carlos	3391.14	-	-	47.57	0.00	3,343.57
MW - 6	04/21/17	Jeremy	3391.14	-	-	47.50	0.00	3,343.64
MW - 6	05/18/17	Manny	3391.14	57.00	-	47.47	0.00	3,343.67
MW - 6	07/20/17	Manny	3391.14	-	-	47.45	0.00	3,343.69
MW - 6	08/29/17	Manny	3391.14	56.84	-	47.37	0.00	3,343.77
MW - 6	10/13/17	Jeremy	3391.14	-	-	47.28	0.00	3,343.86
MW - 6	10/20/17	Jeremy	3391.14	-	-	47.28	0.00	3,343.86
MW - 6	11/07/17	Manny	3391.14	56.71	-	47.28	0.00	3,343.86
MW - 6	01/31/18	Manny	3391.14	-	-	47.08	0.00	3,344.06
MW - 6	02/22/18	Manny	3391.14	56.59	-	47.14	0.00	3,344.00
MW - 6	03/15/18	Manny	3391.14	-	-	47.09	0.00	3,344.05
MW - 6	04/20/18	Manny	3391.14	-	-	47.09	0.00	3,344.05
MW - 6	05/23/18	Manny	3391.14	56.73	-	47.08	0.00	3,344.06
MW - 6	06/27/18	Manny	3391.14	-	-	47.17	0.00	3,343.97
MW - 6	07/31/18	Manny	3391.14	-	-	47.31	0.00	3,343.83
MW - 6	08/29/18	Manny	3391.14	56.74	-	47.36	0.00	3,343.78
MW - 6	09/28/18	Manny	3391.14	-	-	47.35	0.00	3,343.79
MW - 6	11/29/18	Manny/Elias	3391.14	56.73	-	47.23	0.00	3,343.91
MW - 6	12/13/18	Manny/Elias	3391.14	-	-	47.27	0.00	3,343.87
MW - 6	01/03/19	Manny/Elias	3391.14	-	-	47.17	0.00	3,343.97
MW - 6	03/05/19	Manny/Elias	3391.14	56.83	-	47.16	0.00	3,343.98
MW - 6	03/20/19	Manny/Elias	3391.14	-	-	47.11	0.00	3,344.03
MW - 6	04/04/19	Manny/Elias	3391.14	-	-	47.04	0.00	3,344.10
MW - 6	06/11/19	Elias	3391.14	56.63	-	46.96	0.00	3,344.18
MW - 6	07/15/19	Elias	3391.14	-	-	46.91	0.00	3,344.23
MW - 6	08/15/19	Elias	3391.14	56.60	-	46.91	0.00	3,344.23

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW- 6	11/25/19	Elias	3391.14	56.64	-	46.67	0.00	3,344.47
MW- 6	12/12/19	Elias	3391.14	-	-	46.72	0.00	3,344.42
MW- 6	01/24/20	Elias	3391.14	-	-	46.69	0.00	3,344.45
MW- 6	02/25/20	Elias	3391.14	56.60	-	46.73	0.00	3,344.41
MW- 6	05/28/20	Manny	3391.14	-	-	46.59	0.00	3,344.55
MW- 6	06/15/20	Manny	3391.14	-	-	46.58	0.00	3,344.56
MW- 6	08/27/20	Manny	3391.14	56.30	-	46.71	0.00	3,344.43
MW- 6	09/10/20	Manny	3391.14	-	-	46.84	0.00	3,344.30
MW- 6	10/21/20	Manny	3391.14	-	-	46.79	0.00	3,344.35
MW- 6	12/01/20	Manny	3391.14	-	-	47.64	0.00	3,343.50
MW- 6	01/06/21	Manny	3391.14	-	-	46.71	0.00	3,344.43
MW- 6	02/04/21	Manny	3391.14	-	-	46.70	0.00	3,344.44
MW- 6	04/26/21	Manny	3391.14	-	-	46.43	0.00	3,344.71
MW- 6	06/17/21	Manny	3391.14	56.26	-	46.50	0.00	3,344.64
MW- 6	07/28/21	Manny	3391.14	-	-	46.68	0.00	3,344.46
MW- 6	08/19/21	Manny	3391.14	-	-	46.73	0.00	3,344.41
MW- 6	09/24/21	Manny	3391.14	-	-	46.84	0.00	3,344.30
MW- 6	10/18/21	Manny	3391.14	-	-	46.87	0.00	3,344.27
MW- 6	11/30/21	Manny	3391.14	56.21	-	46.91	0.00	3,344.23
MW- 6	01/17/22	Manny	3391.14	-	-	46.88	0.00	3,344.26
MW- 6	03/02/22	Manny	3391.14	56.25	-	46.93	0.00	3,344.21
MW- 6	04/08/22	Manny	3391.14	-	-	47.02	0.00	3,344.12
MW- 6	05/26/22	Manny	3391.14	56.19	-	47.05	0.00	3,344.09
MW- 6	09/12/22	Manny	3391.14	56.22	-	47.41	0.00	3,343.73
MW- 6	11/29/22	Manny	3391.14	56.10	-	47.44	0.00	3,343.70
MW- 6	02/21/23	Manny	3391.14	56.19	-	47.42	0.00	3,343.72
MW- 6	05/23/23	Manny	3391.14	56.20	-	47.33	0.00	3,343.81
MW- 6	08/03/23	Manny	3391.14	56.18	-	47.65	0.00	3,343.49
MW- 6	08/15/23	Manny	3391.14	56.17	-	47.75	0.00	3,343.39
MW- 6	11/16/23	Manny	3391.14	56.20	-	47.83	0.00	3,343.31
MW- 6	02/14/24	Manny	3391.14	56.12	-	47.59	0.00	3,343.55
MW- 6	05/14/24	Manny	3391.14	56.38	-	47.34	0.00	3,343.80
MW- 6	09/16/24	Manny	3391.14	56.11	-	47.88	0.00	3,343.26
MW- 6	10/31/24	Manny	3391.14	56.10	-	47.95	0.00	3,343.19
MW - 7	11/29/99		3391.21	-	-	46.52	0.00	3,344.69
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

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCID INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 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
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	56.08	-	49.04	0.00	3,342.17
MW - 7	03/05/14	John F.	3391.21	-	-	49.04	0.00	3,342.17
MW - 7	05/29/14	David	3391.21	56.06	-	49.07	0.00	3,342.14
MW - 7	07/23/14	David	3391.21	-	-	49.32	0.00	3,341.89
MW - 7	08/12/14	David	3391.21	-	-	49.36	0.00	3,341.85
MW - 7	10/28/14	Manny	3391.21	-	-	49.14	0.00	3,342.07
MW - 7	11/15/14	Manny	3391.21	56.08	-	49.02	0.00	3,342.19
MW - 7	02/16/15	Manny	3391.21	-	-	48.66	0.00	3,342.55
MW - 7	03/18/15	Manny/Art	3391.21	-	-	48.54	0.00	3,342.67
MW - 7	04/08/15	Manny	3391.21	-	-	48.42	0.00	3,342.79
MW - 7	05/28/15	Manny/Arthur	3391.21	56.05	-	48.19	0.00	3,343.02
MW - 7	07/09/15	Carlos	3391.21	-	-	48.16	0.00	3,343.05
MW - 7	08/26/15	Manny	3391.21	-	-	48.35	0.00	3,342.86
MW - 7	09/11/15	Carlos	3391.21	-	-	48.45	0.00	3,342.76
MW - 7	09/25/15	Manny	3391.21	-	-	48.56	0.00	3,342.65
MW - 7	10/09/15	Manny	3391.21	-	-	48.61	0.00	3,342.60
MW - 7	10/15/15	Carlos	3391.21	-	-	48.55	0.00	3,342.66
MW - 7	11/20/15	Manny	3391.21	56.11	-	48.52	0.00	3,342.69
MW - 7	12/11/15	Manny	3391.21	-	-	48.36	0.00	3,342.85
MW - 7	01/13/16	Carlos	3391.21	-	-	48.16	0.00	3,343.05
MW - 7	02/17/16	Manny	3391.21	-	-	47.97	0.00	3,343.24
MW - 7	03/18/16	Manny	3391.21	-	-	47.94	0.00	3,343.27
MW - 7	04/08/16	Carlos	3391.21	-	-	47.88	0.00	3,343.33
MW - 7	04/12/16	Fernando	3391.21	-	-	47.94	0.00	3,343.27
MW - 7	05/03/16	Carlos	3391.21	-	-	47.83	0.00	3,343.38
MW - 7	05/26/16	Manny	3391.21	56.11	-	47.83	0.00	3,343.38
MW - 7	06/09/16	Carlos	3391.21	-	-	47.90	0.00	3,343.31
MW - 7	07/01/16	Carlos	3391.21	-	-	47.88	0.00	3,343.33
MW - 7	07/20/16	Carlos	3391.21	-	-	47.97	0.00	3,343.24
MW - 7	08/04/16	Manny/ Wes	3391.21	-	-	47.98	0.00	3,343.23
MW - 7	09/28/16	Manny	3391.21	-	-	48.05	0.00	3,343.16
MW - 7	11/29/16	Manny	3391.21	56.11	-	47.78	0.00	3,343.43
MW - 7	12/16/16	Carlos	3391.21	-	-	47.66	0.00	3,343.55
MW - 7	01/26/17	Carlos	3391.21	-	-	47.63	0.00	3,343.58
MW - 7	02/27/17	Manny	3391.21	-	-	47.51	0.00	3,343.70
MW - 7	03/30/17	Carlos	3391.21	-	-	47.45	0.00	3,343.76

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 7	04/21/17	Jeremy	3391.21	-	-	47.38	0.00	3,343.83
MW - 7	05/18/17	Manny	3391.21	56.10	-	47.36	0.00	3,343.85
MW - 7	07/20/17	Manny	3391.21	-	-	47.33	0.00	3,343.88
MW - 7	08/29/17	Manny	3391.21	-	-	47.25	0.00	3,343.96
MW - 7	10/13/17	Jeremy	3391.21	-	-	47.16	0.00	3,344.05
MW - 7	10/20/17	Jeremy	3391.21	-	-	47.16	0.00	3,344.05
MW - 7	11/07/17	Manny	3391.21	56.09	-	47.16	0.00	3,344.05
MW - 7	01/31/18	Manny	3391.21	-	-	47.96	0.00	3,343.25
MW - 7	02/22/18	Manny	3391.21	-	-	47.02	0.00	3,344.19
MW - 7	03/15/18	Manny	3391.21	-	-	46.97	0.00	3,344.24
MW - 7	04/20/18	Manny	3391.21	-	-	46.97	0.00	3,344.24
MW - 7	05/22/18	Manny	3391.21	56.10	-	46.97	0.00	3,344.24
MW - 7	06/27/18	Manny	3391.21	-	-	47.07	0.00	3,344.14
MW - 7	07/31/18	Manny	3391.21	-	-	47.20	0.00	3,344.01
MW - 7	08/29/18	Manny	3391.21	-	-	47.26	0.00	3,343.95
MW - 7	09/28/18	Manny	3391.21	-	-	47.26	0.00	3,343.95
MW - 7	11/29/18	Manny/Elias	3391.21	56.10	-	47.12	0.00	3,344.09
MW - 7	12/13/18	Manny/Elias	3391.21	-	-	47.16	0.00	3,344.05
MW - 7	01/03/19	Manny/Elias	3391.21	-	-	47.06	0.00	3,344.15
MW - 7	03/05/19	Manny/Elias	3391.21	-	-	47.05	0.00	3,344.16
MW - 7	03/20/19	Manny/Elias	3391.21	-	-	47.00	0.00	3,344.21
MW - 7	04/04/19	Manny/Elias	3391.21	-	-	46.94	0.00	3,344.27
MW - 7	06/11/19	Elias	3391.21	56.10	-	46.85	0.00	3,344.36
MW - 7	07/15/19	Elias	3391.21	-	-	46.80	0.00	3,344.41
MW - 7	08/15/19	Elias	3391.21	-	-	46.80	0.00	3,344.41
MW - 7	11/25/19	Elias	3391.21	56.12	-	46.55	0.00	3,344.66
MW - 7	12/12/19	Elias	3391.21	-	-	46.60	0.00	3,344.61
MW - 7	01/24/20	Elias	3391.21	-	-	46.58	0.00	3,344.63
MW - 7	02/25/20	Elias	3391.21	-	-	46.61	0.00	3,344.60
MW - 7	05/28/20	Manny	3391.21	-	-	46.47	0.00	3,344.74
MW - 7	06/15/20	Manny	3391.21	-	-	46.45	0.00	3,344.76
MW - 7	08/27/20	Manny	3391.21	-	-	46.61	0.00	3,344.60
MW - 7	09/10/20	Manny	3391.21	-	-	46.74	0.00	3,344.47
MW - 7	10/21/20	Manny	3391.21	-	-	46.68	0.00	3,344.53
MW - 7	12/01/20	Manny	3391.21	56.11	-	46.54	0.00	3,344.67
MW - 7	01/06/21	Manny	3391.21	-	-	46.61	0.00	3,344.60
MW - 7	02/04/21	Manny	3391.21	-	-	46.59	0.00	3,344.62
MW - 7	04/26/21	Manny	3391.21	-	-	46.31	0.00	3,344.90
MW - 7	06/16/21	Manny	3391.21	-	-	46.39	0.00	3,344.82
MW - 7	07/28/21	Manny	3391.21	-	-	46.57	0.00	3,344.64
MW - 7	08/19/21	Manny	3391.21	-	-	46.63	0.00	3,344.58
MW - 7	09/24/21	Manny	3391.21	-	-	46.74	0.00	3,344.47
MW - 7	10/18/21	Manny	3391.21	-	-	46.78	0.00	3,344.43
MW - 7	11/30/21	Manny	3391.21	56.09	-	46.81	0.00	3,344.40
MW - 7	01/17/22	Manny	3391.21	-	-	46.78	0.00	3,344.43
MW - 7	03/02/22	Manny	3391.21	-	-	46.84	0.00	3,344.37
MW - 7	04/08/22	Manny	3391.21	-	-	46.92	0.00	3,344.29
MW - 7	05/25/22	Manny	3391.21	-	-	46.94	0.00	3,344.27
MW - 7	09/12/22	Manny	3391.21	56.14	-	47.35	0.00	3,343.86
MW - 7	11/28/22	Manny	3391.21	-	-	47.35	0.00	3,343.86
MW - 7	02/20/23	Manny	3391.21	-	-	47.30	0.00	3,343.91
MW - 7	05/23/23	Manny	3391.21	-	-	47.26	0.00	3,343.95
MW - 7	08/03/23	Manny	3391.21	-	-	47.59	0.00	3,343.62
MW - 7	08/14/23	Manny	3391.21	-	-	47.65	0.00	3,343.56
MW - 7	11/15/23	Manny	3391.21	56.14	-	47.76	0.00	3,343.45
MW - 7	02/14/24	Manny	3391.21	-	-	47.46	0.00	3,343.75
MW - 7	05/14/24	Manny	3391.21	-	-	47.21	0.00	3,344.00
MW - 7	09/16/24	Manny	3391.21	-	-	47.77	0.00	3,343.44
MW - 7	10/31/24	Manny	3391.21	56.06	-	47.83	0.00	3,343.38
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

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 8	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
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	55.18	-	48.11	0.00	3,343.03
MW - 8	11/07/13		3391.14	55.17	-	49.06	0.00	3,342.08
MW - 8	03/05/14	John F.	3391.14	55.16	-	49.09	0.00	3,342.05
MW - 8	05/29/14	David	3391.14	55.08	-	49.10	0.00	3,342.04
MW - 8	07/23/14	David	3391.14	-	-	49.36	0.00	3,341.78
MW - 8	08/12/14	David	3391.14	-	-	49.37	0.00	3,341.77
MW - 8	10/28/14	Manny	3391.14	-	-	49.17	0.00	3,341.97
MW - 8	11/15/14	Manny	3391.14	-	-	49.06	0.00	3,342.08
MW - 8	02/16/15	Manny	3391.14	55.10	-	48.70	0.00	3,342.44
MW - 8	03/18/15	Manny/Art	3391.14	-	-	48.60	0.00	3,342.54
MW - 8	04/08/15	Manny	3391.14	-	-	48.48	0.00	3,342.66
MW - 8	05/28/15	Manny/Arthur	3391.14	55.10	-	48.24	0.00	3,342.90
MW - 8	07/09/15	Carlos	3391.14	-	-	48.21	0.00	3,342.93

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 8	08/26/15	Manny	3391.14	55.15	-	48.38	0.00	3,342.76
MW - 8	09/11/15	Carlos	3391.14	-	-	48.48	0.00	3,342.66
MW - 8	09/25/15	Manny	3391.14	-	-	48.60	0.00	3,342.54
MW - 8	10/09/15	Manny	3391.14	-	-	48.65	0.00	3,342.49
MW - 8	10/15/15	Carlos	3391.14	-	-	48.58	0.00	3,342.56
MW - 8	11/20/15	Manny	3391.14	55.16	-	48.56	0.00	3,342.58
MW - 8	12/11/15	Manny	3391.14	-	-	48.41	0.00	3,342.73
MW - 8	01/13/16	Manny	3391.14	-	-	48.21	0.00	3,342.93
MW - 8	02/17/16	Manny	3391.14	55.17	-	48.05	0.00	3,343.09
MW - 8	03/18/16	Manny	3391.14	-	-	48.03	0.00	3,343.11
MW - 8	04/08/16	Carlos	3391.14	-	-	47.98	0.00	3,343.16
MW - 8	04/12/16	Fernando	3391.14	-	-	48.02	0.00	3,343.12
MW - 8	05/03/16	Carlos	3391.14	-	-	47.92	0.00	3,343.22
MW - 8	05/26/16	Manny	3391.14	55.18	-	47.88	0.00	3,343.26
MW - 8	06/09/16	Carlos	3391.14	-	-	47.92	0.00	3,343.22
MW - 8	07/01/16	Carlos	3391.14	-	-	47.94	0.00	3,343.20
MW - 8	07/20/16	Carlos	3391.14	-	-	48.01	0.00	3,343.13
MW - 8	08/04/16	Manny/ Wes	3391.14	55.16	-	48.02	0.00	3,343.12
MW - 8	09/28/16	Manny	3391.14	-	-	48.09	0.00	3,343.05
MW - 8	11/29/16	Manny	3391.14	55.14	-	47.82	0.00	3,343.32
MW - 8	12/16/16	Carlos	3391.14	-	-	47.72	0.00	3,343.42
MW - 8	01/26/17	Carlos	3391.14	-	-	47.70	0.00	3,343.44
MW - 8	02/27/17	Manny	3391.14	55.12	-	47.55	0.00	3,343.59
MW - 8	03/30/17	Carlos	3391.14	-	-	47.51	0.00	3,343.63
MW - 8	04/21/17	Jeremy	3391.14	-	-	47.44	0.00	3,343.70
MW - 8	05/18/17	Manny	3391.14	55.12	-	47.40	0.00	3,343.74
MW - 8	07/20/17	Manny	3391.14	-	-	47.39	0.00	3,343.75
MW - 8	08/29/17	Manny	3391.14	55.10	-	47.31	0.00	3,343.83
MW - 8	10/13/17	Jeremy	3391.14	-	-	47.22	0.00	3,343.92
MW - 8	10/20/17	Jeremy	3391.14	-	-	47.22	0.00	3,343.92
MW - 8	11/07/17	Manny	3391.14	55.12	-	47.22	0.00	3,343.92
MW - 8	01/31/18	Manny	3391.14	-	-	47.01	0.00	3,344.13
MW - 8	02/22/18	Manny	3391.14	55.12	-	47.08	0.00	3,344.06
MW - 8	03/15/18	Manny	3391.14	-	-	47.02	0.00	3,344.12
MW - 8	04/20/18	Manny	3391.14	-	-	47.02	0.00	3,344.12
MW - 8	05/23/18	Manny	3391.14	55.10	-	47.00	0.00	3,344.14
MW - 8	06/27/18	Manny	3391.14	-	-	47.09	0.00	3,344.05
MW - 8	07/31/18	Manny	3391.14	-	-	47.23	0.00	3,343.91
MW - 8	08/29/18	Manny	3391.14	55.11	-	47.28	0.00	3,343.86
MW - 8	09/28/18	Manny	3391.14	-	-	47.27	0.00	3,343.87
MW - 8	11/29/18	Manny/Elias	3391.14	-	-	47.14	0.00	3,344.00
MW - 8	12/13/18	Manny/Elias	3391.14	-	-	47.19	0.00	3,343.95
MW - 8	01/03/19	Manny/Elias	3391.14	-	-	47.10	0.00	3,344.04
MW - 8	03/05/19	Manny/Elias	3391.14	55.10	-	47.09	0.00	3,344.05
MW - 8	03/20/19	Manny/Elias	3391.14	-	-	47.04	0.00	3,344.10
MW - 8	04/04/19	Manny/Elias	3391.14	-	-	46.98	0.00	3,344.16
MW - 8	06/11/19	Elias	3391.14	55.12	-	46.88	0.00	3,344.26
MW - 8	07/15/19	Elias	3391.14	-	-	46.84	0.00	3,344.30
MW - 8	08/15/19	Elias	3391.14	55.11	-	46.85	0.00	3,344.29
MW - 8	11/25/19	Elias	3391.14	55.14	-	46.59	0.00	3,344.55
MW - 8	12/12/19	Elias	3391.14	-	-	46.64	0.00	3,344.50
MW - 8	01/24/20	Elias	3391.14	-	-	46.61	0.00	3,344.53
MW - 8	02/25/20	Elias	3391.14	55.12	-	46.64	0.00	3,344.50
MW - 8	05/28/20	Manny	3391.14	-	-	46.52	0.00	3,344.62
MW - 8	06/15/20	Manny	3391.14	-	-	46.50	0.00	3,344.64
MW - 8	08/27/20	Manny	3391.14	-	-	46.62	0.00	3,344.52
MW - 8	09/10/20	Manny	3391.14	-	-	46.74	0.00	3,344.40
MW - 8	10/21/20	Manny	3391.14	-	-	46.70	0.00	3,344.44
MW - 8	12/01/20	Manny	3391.14	-	-	46.57	0.00	3,344.57
MW - 8	01/06/21	Manny	3391.14	-	-	46.63	0.00	3,344.51
MW - 8	02/04/21	Manny	3391.14	-	-	46.62	0.00	3,344.52
MW - 8	04/26/21	Manny	3391.14	-	-	46.37	0.00	3,344.77
MW - 8	06/17/21	Manny	3391.14	55.02	-	46.53	0.00	3,344.61
MW - 8	07/28/21	Manny	3391.14	-	-	46.59	0.00	3,344.55
MW - 8	08/19/21	Manny	3391.14	-	-	46.64	0.00	3,344.50

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCID INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 8	09/24/21	Manny	3391.14	-	-	46.74	0.00	3,344.40
MW - 8	10/18/21	Manny	3391.14	-	-	46.78	0.00	3,344.36
MW - 8	11/30/21	Manny	3391.14	-	-	46.82	0.00	3,344.32
MW - 8	01/17/22	Manny	3391.14	-	-	46.80	0.00	3,344.34
MW - 8	03/02/22	Manny	3391.14	-	-	46.86	0.00	3,344.28
MW - 8	04/08/22	Manny	3391.14	-	-	46.93	0.00	3,344.21
MW - 8	05/25/22	Manny	3391.14	-	-	46.95	0.00	3,344.19
MW - 8	09/12/22	Manny	3391.14	55.11	-	47.35	0.00	3,343.79
MW - 8	11/28/22	Manny	3391.14	-	-	47.35	0.00	3,343.79
MW - 8	02/20/23	Manny	3391.14	-	-	47.30	0.00	3,343.84
MW - 8	05/23/23	Manny	3391.14	-	-	47.28	0.00	3,343.86
MW - 8	08/03/23	Manny	3391.14	-	-	47.58	0.00	3,343.56
MW - 8	08/14/23	Manny	3391.14	-	-	47.63	0.00	3,343.51
MW - 8	11/15/23	Manny	3391.14	55.06	-	47.76	0.00	3,343.38
MW - 8	02/14/24	Manny	3391.14	-	-	47.50	0.00	3,343.64
MW - 8	05/14/24	Manny	3391.14	-	-	47.22	0.00	3,343.92
MW - 8	09/16/24	Manny	3391.14	-	-	47.77	0.00	3,343.37
MW - 8	10/31/24	Manny	3391.14	55.05	-	47.84	0.00	3,343.30
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
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

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCID INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 9	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
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
MW - 9	11/19/08		3391.47	-	-	46.83	0.00	3,344.64
MW - 9	11/24/08		3391.47	-	-	46.91	0.00	3,344.56
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

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCID INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 9	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
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	54.68	-	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	John F.	3391.47	-	-	48.82	0.00	3,342.65
MW - 9	03/13/14	John & Jose	3391.47	-	-	48.84	0.00	3,342.63
MW - 9	03/29/14	David & Manny	3391.47	-	-	48.79	0.00	3,342.68

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCID INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 9	04/08/14	David & Jose	3391.47	-	-	48.85	0.00	3,342.62
MW - 9	04/17/14	David & Jose	3391.47	-	-	48.81	0.00	3,342.66
MW - 9	04/25/14	Manny & Justin	3391.47	-	-	48.73	0.00	3,342.74
MW - 9	05/08/14	Manny	3391.47	-	-	48.72	0.00	3,342.75
MW - 9	05/14/14	Manny	3391.47	-	-	48.70	0.00	3,342.77
MW - 9	05/27/14	Manny	3391.47	-	-	48.81	0.00	3,342.66
MW - 9	05/29/14	Manny	3391.47	54.70	-	48.82	0.00	3,342.65
MW - 9	06/18/14	Manny	3391.47	-	-	48.77	0.00	3,342.70
MW - 9	07/23/14	David	3391.47	-	-	49.10	0.00	3,342.37
MW - 9	08/12/14	David	3391.47	-	-	49.13	0.00	3,342.34
MW - 9	10/28/14	Manny	3391.47	-	-	48.97	0.00	3,342.50
MW - 9	11/15/14	Manny	3391.47	-	-	48.85	0.00	3,342.62
MW - 9	02/16/15	Manny	3391.47	-	-	48.49	0.00	3,342.98
MW - 9	03/18/15	Manny/Art	3391.47	-	-	48.34	0.00	3,343.13
MW - 9	04/08/15	Manny	3391.47	-	-	48.22	0.00	3,343.25
MW - 9	05/28/15	Manny/Arthur	3391.47	54.67	-	48.00	0.00	3,343.47
MW - 9	07/09/15	Carlos	3391.47	-	-	47.99	0.00	3,343.48
MW - 9	08/26/15	Manny	3391.47	-	-	48.18	0.00	3,343.29
MW - 9	09/11/15	Carlos	3391.47	-	-	48.26	0.00	3,343.21
MW - 9	09/25/15	Manny	3391.47	-	-	48.38	0.00	3,343.09
MW - 9	10/09/15	Manny	3391.47	-	-	48.42	0.00	3,343.05
MW - 9	10/15/15	Carlos	3391.47	-	-	48.38	0.00	3,343.09
MW - 9	11/20/15	Manny	3391.47	54.71	-	48.34	0.00	3,343.13
MW - 9	12/11/15	Manny	3391.47	-	-	48.18	0.00	3,343.29
MW - 9	01/13/16	Carlos	3391.47	-	-	48.00	0.00	3,343.47
MW - 9	02/17/16	Manny	3391.47	-	-	47.79	0.00	3,343.68
MW - 9	03/18/16	Manny	3391.47	-	-	47.72	0.00	3,343.75
MW - 9	04/08/16	Carlos	3391.47	-	-	47.69	0.00	3,343.78
MW - 9	04/12/16	Fernando	3391.47	-	-	47.73	0.00	3,343.74
MW - 9	05/03/16	Carlos	3391.47	-	-	47.64	0.00	3,343.83
MW - 9	05/26/16	Manny	3391.47	54.69	-	47.62	0.00	3,343.85
MW - 9	06/09/16	Carlos	3391.47	-	-	47.72	0.00	3,343.75
MW - 9	07/01/16	Carlos	3391.47	-	-	47.72	0.00	3,343.75
MW - 9	07/20/16	Carlos	3391.47	-	-	47.81	0.00	3,343.66
MW - 9	08/04/16	Manny/ Wes	3391.47	-	-	47.81	0.00	3,343.66
MW - 9	09/28/16	Manny	3391.47	-	-	47.89	0.00	3,343.58
MW - 9	11/29/16	Manny	3391.47	54.69	-	47.62	0.00	3,343.85
MW - 9	12/16/16	Carlos	3391.47	-	-	47.55	0.00	3,343.92
MW - 9	01/26/17	Carlos	3391.47	-	-	47.50	0.00	3,343.97
MW - 9	02/27/17	Manny	3391.47	-	-	47.36	0.00	3,344.11
MW - 9	03/30/17	Carlos	3391.47	-	-	47.31	0.00	3,344.16
MW - 9	04/21/17	Jeremy	3391.47	-	-	47.25	0.00	3,344.22
MW - 9	05/18/17	Manny	3391.47	54.68	-	47.21	0.00	3,344.26
MW - 9	08/29/17	Manny	3391.47	-	-	47.12	0.00	3,344.35
MW - 9	10/13/17	Jeremy	3391.47	-	-	47.03	0.00	3,344.44
MW - 9	10/20/17	Jeremy	3391.47	-	-	47.03	0.00	3,344.44
MW - 9	11/07/17	Manny	3391.47	54.69	-	47.03	0.00	3,344.44
MW - 9	01/31/18	Manny	3391.47	-	-	46.85	0.00	3,344.62
MW - 9	02/22/18	Manny	3391.47	-	-	46.90	0.00	3,344.57
MW - 9	03/15/18	Manny	3391.47	-	-	46.85	0.00	3,344.62
MW - 9	04/20/18	Manny	3391.47	-	-	46.85	0.00	3,344.62
MW - 9	05/22/18	Manny	3391.47	54.69	-	46.85	0.00	3,344.62
MW - 9	06/27/18	Manny	3391.47	-	-	46.94	0.00	3,344.53
MW - 9	07/31/18	Manny	3391.47	-	-	47.07	0.00	3,344.40
MW - 9	08/29/18	Manny	3391.47	-	-	47.14	0.00	3,344.33
MW - 9	09/28/18	Manny	3391.47	-	-	47.13	0.00	3,344.34
MW - 9	11/29/18	Manny/Elias	3391.47	54.70	-	47.02	0.00	3,344.45
MW - 9	12/13/18	Manny/Elias	3391.47	-	-	47.05	0.00	3,344.42
MW - 9	01/03/19	Manny/Elias	3391.47	-	-	46.95	0.00	3,344.52
MW - 9	03/05/19	Manny/Elias	3391.47	-	-	46.92	0.00	3,344.55
MW - 9	03/20/19	Manny/Elias	3391.47	-	-	46.88	0.00	3,344.59
MW - 9	04/04/19	Manny/Elias	3391.47	-	-	46.81	0.00	3,344.66
MW - 9	06/11/19	Elias	3391.47	54.72	-	46.73	0.00	3,344.74
MW - 9	07/15/19	Elias	3391.47	-	-	46.70	0.00	3,344.77
MW - 9	08/15/19	Elias	3391.47	-	-	46.68	0.00	3,344.79

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 9	11/25/19	Elias	3391.47	54.68	-	46.43	0.00	3,345.04
MW - 9	12/12/19	Elias	3391.47	-	-	46.48	0.00	3,344.99
MW - 9	01/24/20	Elias	3391.47	-	-	46.46	0.00	3,345.01
MW - 9	02/25/20	Elias	3391.47	-	-	46.49	0.00	3,344.98
MW - 9	05/28/20	Manny	3391.47	-	-	46.34	0.00	3,345.13
MW - 9	06/15/20	Manny	3391.47	-	-	46.35	0.00	3,345.12
MW - 9	08/27/20	Manny	3391.47	-	-	46.47	0.00	3,345.00
MW - 9	09/10/20	Manny	3391.47	-	-	46.58	0.00	3,344.89
MW - 9	10/21/20	Manny	3391.47	-	-	46.55	0.00	3,344.92
MW - 9	12/01/20	Manny	3391.47	54.70	-	46.44	0.00	3,345.03
MW - 9	01/06/21	Manny	3391.47	-	-	46.49	0.00	3,344.98
MW - 9	02/04/21	Manny	3391.47	-	-	46.48	0.00	3,344.99
MW - 9	04/26/21	Manny	3391.47	-	-	46.19	0.00	3,345.28
MW - 9	06/16/21	Manny	3391.47	-	-	46.27	0.00	3,345.20
MW - 9	07/28/21	Manny	3391.47	-	-	46.44	0.00	3,345.03
MW - 9	08/19/21	Manny	3391.47	-	-	46.51	0.00	3,344.96
MW - 9	09/24/21	Manny	3391.47	-	-	46.61	0.00	3,344.86
MW - 9	10/18/21	Manny	3391.47	-	-	46.65	0.00	3,344.82
MW - 9	11/30/21	Manny	3391.47	54.68	-	46.66	0.00	3,344.81
MW - 9	01/17/22	Manny	3391.47	-	-	46.66	0.00	3,344.81
MW - 9	03/02/22	Manny	3391.47	-	-	46.74	0.00	3,344.73
MW - 9	04/08/22	Manny	3391.47	-	-	46.80	0.00	3,344.67
MW - 9	05/25/22	Manny	3391.47	-	-	46.82	0.00	3,344.65
MW - 9	09/12/22	Manny	3391.47	54.71	-	47.24	0.00	3,344.23
MW - 9	11/28/22	Manny	3391.47	-	-	47.23	0.00	3,344.24
MW - 9	02/20/23	Manny	3391.47	-	-	47.19	0.00	3,344.28
MW - 9	05/23/23	Manny	3391.47	-	-	47.18	0.00	3,344.29
MW - 9	08/03/23	Manny	3391.47	-	-	47.47	0.00	3,344.00
MW - 9	08/14/23	Manny	3391.47	-	-	47.58	0.00	3,343.89
MW - 9	11/15/23	Manny	3391.47	54.72	-	47.65	0.00	3,343.82
MW - 9	02/14/24	Manny	3391.47	-	-	47.34	0.00	3,344.13
MW - 9	05/14/24	Manny	3391.47	-	-	47.08	0.00	3,344.39
MW - 9	09/16/24	Manny	3391.47	-	-	47.65	0.00	3,343.82
MW - 9	10/31/24	Manny	3391.47	54.65	-	47.72	0.00	3,343.75
MW - 10	11/29/99		3391.26	-	46.26	47.23	0.97	3,344.85
MW - 10	01/04/00	Manny/Elias	3391.26	-	-	46.79	0.00	3,344.47
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
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

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCID INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 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
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

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 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
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	01/18/06		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	55.09	-	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
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	12/29/08		3391.26	-	sheen	-	-	-
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

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 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
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

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 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
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	John F.	3391.26	-	48.59	50.27	1.68	3,342.42
MW - 10	03/13/14	John & Jose	3391.26	-	48.55	50.35	1.80	3,342.44
MW - 10	03/29/14	David & Manny	3391.26	-	48.57	49.99	1.42	3,342.48
MW - 10	04/08/14	David & Jose	3391.26	-	48.67	49.89	1.22	3,342.41
MW - 10	04/17/14	David & Jose	3391.26	-	48.68	49.85	1.17	3,342.40
MW - 10	04/25/14	Manny & Justin	3391.26	-	48.60	49.49	0.89	3,342.53
MW - 10	05/01/14	David	3391.26	-	48.66	49.30	0.64	3,342.50
MW - 10	05/08/14	Manny	3391.26	-	48.62	49.37	0.75	3,342.53
MW - 10	05/14/14	Manny	3391.26	-	48.63	49.35	0.72	3,342.52
MW - 10	05/23/14	Baer	3391.26	-	48.70	49.48	0.78	3,342.44
MW - 10	05/27/14	Manny	3391.26	-	48.80	49.23	0.43	3,342.40
MW - 10	05/29/14	David	3391.26	-	48.81	49.23	0.42	3,342.39
MW - 10	06/11/14	David	3391.26	-	48.79	49.36	0.57	3,342.38
MW - 10	06/05/14	David/Jose	3391.26	-	48.74	49.36	0.62	3,342.43
MW - 10	06/18/14	Manny	3391.26	-	48.78	49.45	0.67	3,342.38
MW - 10	06/26/14	Manny	3391.26	-	48.81	49.38	0.57	3,342.36
MW - 10	07/01/14	David	3391.26	-	48.43	49.42	0.99	3,342.68
MW - 10	07/10/14	David	3391.26	-	48.93	49.63	0.70	3,342.23
MW - 10	07/17/14	Manny	3391.26	-	48.91	49.75	0.84	3,342.22
MW - 10	07/23/14	David	3391.26	-	49.07	49.65	0.58	3,342.10
MW - 10	07/31/14	Manny	3391.26	-	49.02	49.65	0.63	3,342.15
MW - 10	08/06/14	Manny	3391.26	-	49.02	49.49	0.47	3,342.17
MW - 10	08/12/14	David	3391.26	-	49.09	49.53	0.44	3,342.10
MW - 10	08/21/14	David	3391.26	-	49.05	49.68	0.63	3,342.12
MW - 10	09/04/14	David	3391.26	-	49.08	49.78	0.70	3,342.08
MW - 10	10/02/14	Manny	3391.26	-	48.94	49.78	0.84	3,342.19
MW - 10	10/08/14	Manny	3391.26	-	48.91	49.46	0.55	3,342.27
MW - 10	10/14/14	Manny	3391.26	-	48.93	49.43	0.50	3,342.26
MW - 10	10/17/14	Chance	3391.26	-	48.97	49.42	0.45	3,342.22
MW - 10	10/23/14	Manny	3391.26	-	48.91	49.40	0.49	3,342.28

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 10	10/24/14	Manny	3391.26	-	48.91	49.40	0.49	3,342.28
MW - 10	10/28/14	Manny	3391.26	-	48.90	49.27	0.37	3,342.30
MW - 10	10/29/14	Manny	3391.26	-	-	-	-	-
MW - 10	11/07/14	Manny	3391.26	-	48.81	49.26	0.45	3,342.38
MW - 10	11/14/14	Manny	3391.26	-	48.83	49.23	0.40	3,342.37
MW - 10	11/15/14	Manny	3391.26	-	48.78	49.21	0.43	3,342.42
MW - 10	12/04/14	Chance	3391.26	-	48.14	49.22	1.08	3,342.96
MW - 10	12/11/14	Chance	3391.26	-	48.85	49.21	0.36	3,342.36
MW - 10	12/18/14	Manny	3391.26	-	48.59	49.44	0.85	3,342.54
MW - 10	12/23/14	Manny	3391.26	-	48.86	49.19	0.33	3,342.35
MW - 10	12/30/14	Carlos	3391.26	-	-	-	-	#VALUE!
MW - 10	01/07/15	Carlos	3391.26	-	48.70	49.35	0.65	3,342.46
MW - 10	01/15/15	Carlos	3391.26	-	48.57	49.21	0.64	3,342.59
MW - 10	01/28/15	Carlos	3391.26	-	48.42	49.22	0.80	3,342.72
MW - 10	02/04/15	Carlos	3391.26	-	48.38	49.23	0.85	3,342.75
MW - 10	02/13/15	Carlos	3391.26	-	48.37	49.19	0.82	3,342.77
MW - 10	02/16/15	Manny	3391.26	-	48.36	49.28	0.92	3,342.76
MW - 10	02/17/15	Carlos	3391.26	-	48.39	49.30	0.91	3,342.73
MW - 10	02/24/15	Carlos	3391.26	-	48.37	49.07	0.70	3,342.79
MW - 10	03/10/15	Carlos	3391.26	-	48.31	49.09	0.78	3,342.83
MW - 10	03/17/15	Carlos	3391.26	-	48.30	49.01	0.71	3,342.85
MW - 10	03/18/15	Manny/Art	3391.26	-	48.25	48.94	0.69	3,342.91
MW - 10	03/25/15	Carlos	3391.26	-	48.23	48.92	0.69	3,342.93
MW - 10	04/07/15	Carlos/ Matt	3391.26	-	48.22	48.91	0.69	3,342.94
MW - 10	04/08/15	Manny	3391.26	-	48.13	48.76	0.63	3,343.04
MW - 10	04/21/15	Carlos/ Matt	3391.26	-	-	48.26	0.00	3,343.00
MW - 10	04/28/15	Chance	3391.26	-	48.89	49.13	0.24	3,342.33
MW - 10	05/06/15	Carlos	3391.26	-	48.20	48.32	0.12	3,343.04
MW - 10	05/20/15	Carlos	3391.26	-	48.08	48.37	0.29	3,343.14
MW - 10	05/28/15	Manny/Arthur	3391.26	-	48.04	48.34	0.30	3,343.18
MW - 10	06/02/15	Arthur/ Chance	3391.26	-	47.99	48.27	0.28	3,343.23
MW - 10	06/09/15	Carlos	3391.26	-	47.93	48.24	0.31	3,343.28
MW - 10	06/18/15	Carlos	3391.26	-	48.12	48.19	0.07	3,343.13
MW - 10	06/30/15	Carlos/ Arthur	3391.26	-	48.24	48.27	0.03	3,343.02
MW - 10	07/06/15	Carlos	3391.26	-	48.36	48.37	0.01	3,342.90
MW - 10	07/09/15	Carlos	3391.26	-	48.27	48.30	0.03	3,342.99
MW - 10	07/21/15	Fernando/Mark	3391.26	-	-	48.10	0.00	3,343.16
MW - 10	07/28/15	Carlos	3391.26	-	48.07	48.08	0.01	3,343.19
MW - 10	08/06/15	Chance	3391.26	-	48.83	49.12	0.29	3,342.39
MW - 10	08/11/15	Mark	3391.26	-	48.10	48.13	0.03	3,343.16
MW - 10	08/18/15	Fernando/Mark	3391.26	-	48.04	48.05	0.01	3,343.22
MW - 10	08/26/15	Manny	3391.26	-	48.18	48.30	0.12	3,343.06
MW - 10	09/11/15	Carlos	3391.26	-	48.25	48.37	0.12	3,342.99
MW - 10	09/17/15	Carlos	3391.26	-	48.28	48.42	0.14	3,342.96
MW - 10	09/25/15	Manny	3391.26	-	48.38	48.44	0.06	3,342.87
MW - 10	09/30/15	Arthur/Carlos	3391.26	-	48.36	48.51	0.15	3,342.88
MW - 10	10/06/15	Mark	3391.26	-	48.34	48.44	0.10	3,342.91
MW - 10	10/09/15	Manny	3391.26	-	48.50	48.58	0.08	3,342.75
MW - 10	10/13/15	Carlos	3391.26	-	48.46	48.57	0.11	3,342.78
MW - 10	10/15/15	Carlos	3391.26	-	48.72	48.83	0.11	3,342.52
MW - 10	10/21/15	Carlos	3391.26	-	48.37	48.48	0.11	3,342.87
MW - 10	10/26/15	Carlos	3391.26	-	48.36	48.49	0.13	3,342.88
MW - 10	11/09/15	Carlos	3391.26	-	48.50	48.52	0.02	3,342.76
MW - 10	11/20/15	Manny	3391.26	-	48.32	48.33	0.01	3,342.94
MW - 10	11/25/15	Carlos	3391.26	-	-	48.57	0.00	3,342.69
MW - 10	12/01/15	Carlos	3391.26	-	-	48.52	0.00	3,342.74
MW - 10	12/09/15	Carlos	3391.26	-	-	48.55	0.00	3,342.71
MW - 10	12/11/15	Manny	3391.26	-	48.21	48.33	0.12	3,343.03
MW - 10	12/15/15	Carlos	3391.26	-	-	47.43	0.00	3,343.83
MW - 10	01/06/16	Carlos	3391.26	-	-	48.24	0.00	3,343.02
MW - 10	01/11/16	Carlos	3391.26	-	48.33	48.34	0.01	3,342.93
MW - 10	01/13/16	Carlos	3391.26	-	-	48.20	0.00	3,343.06
MW - 10	01/28/16	Carlos	3391.26	-	48.10	48.12	0.02	3,343.16
MW - 10	02/03/16	Carlos	3391.26	-	47.94	47.95	0.01	3,343.32
MW - 10	02/10/16	Carlos	3391.26	-	47.96	47.97	0.01	3,343.30

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 10	02/15/16	Carlos	3391.26	-	47.79	47.80	0.01	3,343.47
MW - 10	02/17/16	Manny	3391.26	-	47.87	47.88	0.01	3,343.39
MW - 10	02/23/16	Carlos	3391.26	-	47.81	47.82	0.01	3,343.45
MW - 10	03/08/16	Carlos	3391.26	-	47.79	47.80	0.01	3,343.47
MW - 10	03/16/16	Carlos	3391.26	-	47.74	47.75	0.01	3,343.52
MW - 10	03/18/16	Manny	3391.26	-	-	47.86	0.00	3,343.40
MW - 10	03/23/16	Carlos	3391.26	-	47.69	47.70	0.01	3,343.57
MW - 10	03/29/16	Carlos	3391.26	-	47.67	47.70	0.03	3,343.59
MW - 10	04/04/16	Carlos	3391.26	-	47.90	47.91	0.01	3,343.36
MW - 10	04/08/16	Carlos	3391.26	-	47.70	47.78	0.08	3,343.55
MW - 10	04/12/16	Fernando	3391.26	-	47.75	47.76	0.01	3,343.51
MW - 10	05/03/16	Carlos	3391.26	-	47.93	47.94	0.01	3,343.33
MW - 10	05/12/16	Mark	3391.26	-	-	47.73	0.00	3,343.53
MW - 10	05/26/16	Manny	3391.26	-	47.61	47.69	0.08	3,343.64
MW - 10	06/09/16	Carlos	3391.26	-	47.78	47.95	0.17	3,343.45
MW - 10	07/01/16	Carlos	3391.26	-	47.79	47.86	0.07	3,343.46
MW - 10	07/20/16	Carlos	3391.26	-	-	47.97	0.00	3,343.29
MW - 10	07/28/16	Carlos	3391.26	-	47.90	47.91	0.01	3,343.36
MW - 10	08/04/16	Manny/ Wes	3391.26	55.30	-	47.77	0.00	3,343.49
MW - 10	08/10/16	Carlos	3391.26	-	47.84	47.86	0.02	3,343.42
MW - 10	08/16/16	Carlos	3391.26	-	47.89	47.91	0.02	3,343.37
MW - 10	08/23/16	Carlos	3391.26	-	47.89	47.90	0.01	3,343.37
MW - 10	09/12/16	Carlos	3391.26	-	47.82	48.02	0.20	3,343.41
MW - 10	09/23/16	Carlos	3391.26	-	47.81	48.01	0.20	3,343.42
MW - 10	09/28/16	Manny	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	Carlos	3391.26	-	47.66	47.94	0.28	3,343.56
MW - 10	11/02/16	Carlos	3391.26	-	47.71	48.00	0.29	3,343.51
MW - 10	11/09/16	Carlos	3391.26	-	47.71	48.01	0.30	3,343.51
MW - 10	11/29/16	Manny	3391.26	-	47.72	47.84	0.12	3,343.52
MW - 10	12/16/16	Carlos	3391.26	-	47.60	47.61	0.01	3,343.66
MW - 10	01/26/17	Carlos	3391.26	-	47.49	47.50	0.01	3,343.77
MW - 10	02/27/17	Manny	3391.26	-	47.41	47.51	0.10	3,343.84
MW - 10	03/30/17	Carlos	3391.26	-	47.36	47.43	0.07	3,343.89
MW - 10	04/04/17	Carlos	3391.26	-	47.34	47.41	0.07	3,343.91
MW - 10	04/21/17	Jeremy	3391.26	-	47.23	47.26	0.03	3,344.03
MW - 10	05/18/17	Manny	3391.26	-	47.27	47.30	0.03	3,343.99
MW - 10	07/20/17	Manny	3391.26	-	47.20	47.25	0.05	3,344.05
MW - 10	08/29/17	Manny	3391.26	-	47.10	47.12	0.02	3,344.16
MW - 10	10/13/17	Jeremy	3391.26	-	47.06	47.09	0.03	3,344.20
MW - 10	10/20/17	Jeremy	3391.26	-	47.06	47.09	0.03	3,344.20
MW - 10	11/07/17	Manny	3391.26	-	47.08	47.10	0.02	3,344.18
MW - 10	01/31/18	Manny	3391.26	-	-	46.86	0.00	3,344.40
MW - 10	02/22/18	Manny	3391.26	-	46.86	46.91	0.05	3,344.39
MW - 10	03/15/18	Manny	3391.26	-	46.80	46.84	0.04	3,344.45
MW - 10	03/23/18	Manny	3391.26	-	46.83	46.88	0.05	3,344.42
MW - 10	04/11/18	Manny	3391.26	-	-	46.81	0.00	3,344.45
MW - 10	04/20/18	Manny	3391.26	-	-	46.81	0.00	3,344.45
MW - 10	05/23/18	Manny	3391.26	55.29	-	46.78	0.00	3,344.48
MW - 10	06/27/18	Manny	3391.26	-	46.88	46.90	0.02	3,344.38
MW - 10	07/31/18	Manny	3391.26	-	47.04	47.05	0.01	3,344.22
MW - 10	08/14/18	Manny	3391.26	-	-	46.98	0.00	3,344.28
MW - 10	08/29/18	Manny	3391.26	-	47.08	47.10	0.02	3,344.18
MW - 10	09/07/18	Jeremy	3391.26	-	47.09	47.10	0.01	3,344.17
MW - 10	09/19/18	Manny	3391.26	-	47.05	47.08	0.03	3,344.21
MW - 10	09/28/18	Manny	3391.26	-	-	47.17	0.00	3,344.09
MW - 10	10/04/18	Manny	3391.26	-	-	47.29	0.00	3,343.97
MW - 10	10/17/18	Manny	3391.26	-	-	47.17	0.00	3,344.09
MW - 10	11/09/18	Manny	3391.26	-	-	47.22	0.00	3,344.04
MW - 10	11/15/18	Manny/Elias	3391.26	-	-	47.11	0.00	3,344.15
MW - 10	11/19/18	Manny/Elias	3391.26	-	-	-	0.00	3,391.26
MW - 10	11/29/18	Manny/Elias	3391.26	55.38	-	46.96	0.00	3,344.30
MW - 10	12/03/18	Manny/Elias	3391.26	-	-	47.09	0.00	3,344.17
MW - 10	12/13/18	Manny/Elias	3391.26	-	-	47.08	0.00	3,344.18
MW - 10	12/21/18	Manny/Elias	3391.26	-	-	47.05	0.00	3,344.21

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
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LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 10	12/28/18	Manny/Elias	3391.26	-	-	47.03	0.00	3,344.23
MW - 10	01/03/19	Manny/Elias	3391.26	-	-	47.02	0.00	3,344.24
MW - 10	01/07/19	Manny/Elias	3391.26	-	-	46.93	0.00	3,344.33
MW - 10	01/16/19	Manny/Elias	3391.26	-	-	46.88	0.00	3,344.38
MW - 10	01/21/19	Manny/Elias	3391.26	-	-	46.78	0.00	3,344.48
MW - 10	01/28/19	Manny/Elias	3391.26	-	-	46.95	0.00	3,344.31
MW - 10	02/08/19	Manny/Elias	3391.26	-	-	47.10	0.00	3,344.16
MW - 10	02/13/19	Manny/Elias	3391.26	-	-	46.91	0.00	3,344.35
MW - 10	02/19/19	Manny/Elias	3391.26	-	-	46.80	0.00	3,344.46
MW - 10	03/01/19	Manny/Elias	3391.26	-	-	46.86	0.00	3,344.40
MW - 10	03/05/19	Manny/Elias	3391.26	55.36	-	46.89	0.00	3,344.37
MW - 10	03/20/19	Manny/Elias	3391.26	-	-	46.94	0.00	3,344.32
MW - 10	03/27/19	Manny/Elias	3391.26	-	-	46.92	0.00	3,344.34
MW - 10	04/04/19	Manny/Elias	3391.26	-	-	46.85	0.00	3,344.41
MW - 10	04/09/19	Manny/Elias	3391.26	-	-	46.78	0.00	3,344.48
MW - 10	04/16/19	Manny/Elias	3391.26	-	-	46.79	0.00	3,344.47
MW - 10	04/23/19	Manny/Elias	3391.26	-	-	46.84	0.00	3,344.42
MW - 10	05/03/19	Manny	3391.26	-	-	46.73	0.00	3,344.53
MW - 10	05/10/19	Manny	3391.26	-	-	46.83	0.00	3,344.43
MW - 10	05/23/19	Elias	3391.26	-	-	46.70	0.00	3,344.56
MW - 10	06/11/19	Elias	3391.26	55.35	-	46.69	0.00	3,344.57
MW - 10	06/20/19	Elias	3391.26	-	-	46.66	0.00	3,344.60
MW - 10	06/25/19	Elias	3391.26	-	-	46.69	0.00	3,344.57
MW - 10	07/03/19	Elias	3391.26	-	-	46.67	0.00	3,344.59
MW - 10	07/15/19	Elias	3391.26	-	-	47.64	0.00	3,343.62
MW - 10	07/31/19	Elias	3391.26	-	-	46.66	0.00	3,344.60
MW - 10	08/07/19	Elias	3391.26	-	-	46.65	0.00	3,344.61
MW - 10	08/15/19	Elias	3391.26	55.34	-	46.64	0.00	3,344.62
MW - 10	08/23/19	Elias	3391.26	-	-	46.62	0.00	3,344.64
MW - 10	09/06/19	Elias	3391.26	-	-	46.62	0.00	3,344.64
MW - 10	09/10/19	Elias	3391.26	-	-	46.61	0.00	3,344.65
MW - 10	09/18/19	Elias	3391.26	-	-	46.59	0.00	3,344.67
MW - 10	10/18/19	Elias	3391.26	-	-	46.48	0.00	3,344.78
MW - 10	11/01/19	Elias	3391.26	-	-	46.55	0.00	3,344.71
MW - 10	11/13/19	Elias	3391.26	-	-	46.40	0.00	3,344.86
MW - 10	11/25/19	Elias	3391.26	55.33	-	46.44	0.00	3,344.82
MW - 10	12/05/19	Elias	3391.26	-	-	46.49	0.00	3,344.77
MW - 10	12/12/19	Elias	3391.26	-	-	46.42	0.00	3,344.84
MW - 10	12/19/19	Elias	3391.26	-	-	46.45	0.00	3,344.81
MW - 10	01/16/20	Elias	3391.26	-	-	46.47	0.00	3,344.79
MW - 10	01/24/20	Elias	3391.26	-	-	46.43	0.00	3,344.83
MW - 10	02/06/20	Elias	3391.26	-	-	46.36	0.00	3,344.90
MW - 10	02/14/20	Manny	3391.26	-	-	46.42	0.00	3,344.84
MW - 10	02/21/20	Manny	3391.26	-	-	46.45	0.00	3,344.81
MW - 10	02/25/20	Elias	3391.26	55.30	-	46.43	0.00	3,344.83
MW - 10	05/28/20	Manny	3391.26	-	-	46.33	0.00	3,344.93
MW - 10	06/15/20	Manny	3391.26	55.28	-	46.27	0.00	3,344.99
MW - 10	07/02/20	Manny	3391.26	-	-	46.34	0.00	3,344.92
MW - 10	07/29/20	Manny	3391.26	-	-	46.44	0.00	3,344.82
MW - 10	08/20/20	Manny	3391.26	-	-	46.50	0.00	3,344.76
MW - 10	08/27/20	Manny	3391.26	55.30	-	46.52	0.00	3,344.74
MW - 10	09/10/20	Manny	3391.26	-	-	46.62	0.00	3,344.64
MW - 10	10/21/20	Manny	3391.26	-	-	46.54	0.00	3,344.72
MW - 10	11/02/20	Manny	3391.26	-	-	46.54	0.00	3,344.72
MW - 10	12/01/20	Manny	3391.26	55.24	-	46.36	0.00	3,344.90
MW - 10	12/07/20	Manny	3391.26	-	-	46.45	0.00	3,344.81
MW - 10	01/06/21	Manny	3391.26	-	-	46.38	0.00	3,344.88
MW - 10	02/04/21	Manny	3391.26	55.23	-	46.41	0.00	3,344.85
MW - 10	02/12/21	Manny	3391.26	-	-	46.42	0.00	3,344.84
MW - 10	03/31/21	Manny	3391.26	-	-	46.33	0.00	3,344.93
MW - 10	04/13/21	Manny	3391.26	-	-	46.22	0.00	3,345.04
MW - 10	04/26/21	Manny	3391.26	-	-	46.13	0.00	3,345.13
MW - 10	05/11/21	Manny	3391.26	-	-	46.17	0.00	3,345.09
MW - 10	06/17/21	Manny	3391.26	55.24	-	46.19	0.00	3,345.07
MW - 10	07/12/21	Manny	3391.26	-	-	46.32	0.00	3,344.94

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 10	07/28/21	Manny	3391.26	-	-	46.39	0.00	3,344.87
MW - 10	08/10/21	Manny	3391.26	-	-	46.44	0.00	3,344.82
MW - 10	07/28/21	Manny	3391.26	-	-	46.39	0.00	3,344.87
MW - 10	08/19/21	Manny	3391.26	-	-	46.45	0.00	3,344.81
MW - 10	09/14/21	Manny	3391.26	-	-	46.52	0.00	3,344.74
MW - 10	09/24/21	Manny	3391.26	55.29	-	46.57	0.00	3,344.69
MW - 10	10/18/21	Manny	3391.26	-	-	46.60	0.00	3,344.66
MW - 10	10/25/21	Manny	3391.26	-	-	46.64	0.00	3,344.62
MW - 10	11/04/21	Manny	3391.26	-	-	46.75	0.00	3,344.51
MW - 10	11/30/21	Manny	3391.26	55.23	-	46.73	0.00	3,344.53
MW - 10	12/27/21	Manny	3391.26	-	-	46.61	0.00	3,344.65
MW - 10	01/03/22	Manny	3391.26	-	-	46.77	0.00	3,344.49
MW - 10	01/17/22	Manny	3391.26	-	-	46.65	0.00	3,344.61
MW - 10	02/11/22	Manny	3391.26	-	-	46.63	0.00	3,344.63
MW - 10	03/02/22	Manny	3391.26	55.35	-	46.65	0.00	3,344.61
MW - 10	03/24/22	Manny	3391.26	-	-	46.70	0.00	3,344.56
MW - 10	04/08/22	Manny	3391.26	-	-	46.81	0.00	3,344.45
MW - 10	04/22/22	Manny	3391.26	-	-	46.68	0.00	3,344.58
MW - 10	05/06/22	Manny	3391.26	-	-	46.71	0.00	3,344.55
MW - 10	05/26/22	Manny	3391.26	55.32	-	46.75	0.00	3,344.51
MW - 10	06/20/22	Manny	3391.26	-	-	46.86	0.00	3,344.40
MW - 10	07/11/22	Manny	3391.26	-	-	46.96	0.00	3,344.30
MW - 10	08/19/22	Manny	3391.26	-	-	47.10	0.00	3,344.16
MW - 10	09/12/22	Manny	3391.26	55.40	-	47.11	0.00	3,344.15
MW - 10	09/21/22	Manny	3391.26	-	-	47.22	0.00	3,344.04
MW - 10	10/05/22	Manny	3391.26	-	-	47.23	0.00	3,344.03
MW - 10	11/22/22	Manny	3391.26	55.27	-	47.26	0.00	3,344.00
MW - 10	11/28/22	Manny	3391.26	-	-	47.15	0.00	3,344.11
MW - 10	12/05/22	Manny	3391.26	-	-	47.23	0.00	3,344.03
MW - 10	01/04/23	Manny	3391.26	-	-	47.33	0.00	3,343.93
MW - 10	02/21/23	Manny	3391.26	55.32	-	47.10	0.00	3,344.16
MW - 10	03/22/23	Manny	3391.26	-	-	47.17	0.00	3,344.09
MW - 10	04/14/23	Manny	3391.26	-	-	47.10	0.00	3,344.16
MW - 10	05/22/23	Manny	3391.26	-	-	47.10	0.00	3,344.16
MW - 10	05/23/23	Manny	3391.26	55.35	-	47.10	0.00	3,344.16
MW - 10	06/28/23	Manny	3391.26	-	-	47.22	0.00	3,344.04
MW - 10	07/14/23	Manny	3391.26	-	-	47.28	0.00	3,343.98
MW - 10	08/03/23	Manny	3391.26	-	-	47.59	0.00	3,343.67
MW - 10	08/15/23	Manny	3391.26	55.29	-	47.47	0.00	3,343.79
MW - 10	09/12/23	Manny	3391.26	-	47.51	47.53	0.02	3,343.75
MW - 10	11/16/23	Manny	3391.26	55.45	47.50	47.51	0.01	3,343.76
MW - 10	11/17/23	Manny	3391.26	-	47.50	47.51	0.01	3,343.76
MW - 10	12/22/23	Manny	3391.26	-	-	47.50	0.00	3,343.76
MW - 10	01/04/24	Manny	3391.26	-	-	47.44	0.00	3,343.82
MW - 10	02/02/24	Manny	3391.26	-	-	47.30	0.00	3,343.96
MW - 10	02/14/24	Manny	3391.26	55.30	-	47.27	0.00	3,343.99
MW - 10	03/12/24	Manny	3391.26	-	-	47.10	0.00	3,344.16
MW - 10	04/17/24	Manny	3391.26	-	-	47.09	0.00	3,344.17
MW - 10	05/02/24	Manny	3391.26	-	-	47.06	0.00	3,344.20
MW - 10	05/14/24	Manny	3391.26	55.25	-	47.08	0.00	3,344.18
MW - 10	06/14/24	Manny	3391.26	-	-	47.23	0.00	3,344.03
MW - 10	07/03/24	Manny	3391.26	-	-	47.35	0.00	3,343.91
MW - 10	08/01/24	Manny	3391.26	-	47.45	47.52	0.07	3,343.80
MW - 10	09/16/24	Manny	3391.26	55.27	47.50	47.52	0.02	3,343.74
MW - 10	10/15/24	Manny	3391.26	55.27	-	47.62	0.00	3,343.64
MW - 10	11/08/24	Manny	3391.26	-	-	47.68	0.00	3,343.58
MW - 10	10/31/24	Manny	3391.26	55.29	-	47.58	0.00	3,343.68
MW - 10	12/03/24	Manny	3391.26	-	47.65	47.66	0.01	3,343.61
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

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 11	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
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	58.38	-	48.41	0.00	3,342.32
MW - 11	03/05/14	John F.	3390.73	-	-	48.40	0.00	3,342.33
MW - 11	05/29/14	David	3390.73	58.32	-	48.42	0.00	3,342.31
MW - 11	07/23/14	David	3390.73	-	-	48.68	0.00	3,342.05
MW - 11	08/12/14	David	3390.73	-	-	48.73	0.00	3,342.00
MW - 11	10/28/14	Manny	3390.73	-	-	48.51	0.00	3,342.22
MW - 11	11/15/14	Manny	3390.73	-	-	48.38	0.00	3,342.35
MW - 11	02/16/15	Manny	3390.73	-	-	48.02	0.00	3,342.71
MW - 11	03/18/15	Manny/Art	3390.73	-	-	47.89	0.00	3,342.84
MW - 11	04/08/15	Manny	3390.73	-	-	47.77	0.00	3,342.96
MW - 11	05/28/15	Manny/Arthur	3390.73	58.18	-	47.53	0.00	3,343.20
MW - 11	07/09/15	Carlos	3390.73	-	-	47.53	0.00	3,343.20
MW - 11	08/26/15	Manny	3390.73	-	-	47.72	0.00	3,343.01
MW - 11	09/11/15	Carlos	3390.73	-	-	47.82	0.00	3,342.91
MW - 11	09/25/15	Manny	3390.73	-	-	47.92	0.00	3,342.81
MW - 11	10/09/15	Manny	3390.73	-	-	47.97	0.00	3,342.76
MW - 11	10/15/15	Carlos	3390.73	-	-	47.91	0.00	3,342.82
MW - 11	11/20/15	Manny	3390.73	58.38	-	47.88	0.00	3,342.85
MW - 11	12/11/15	Manny	3390.73	-	-	47.72	0.00	3,343.01
MW - 11	01/13/16	Carlos	3390.73	-	-	47.52	0.00	3,343.21
MW - 11	02/17/16	Manny	3390.73	-	-	47.32	0.00	3,343.41
MW - 11	03/18/16	Manny	3390.73	-	-	47.26	0.00	3,343.47
MW - 11	04/08/16	Carlos	3390.73	-	-	47.22	0.00	3,343.51
MW - 11	04/12/16	Fernando	3390.73	-	-	47.28	0.00	3,343.45
MW - 11	05/03/16	Carlos	3390.73	-	-	47.18	0.00	3,343.55
MW - 11	05/26/16	Manny	3390.73	58.23	-	47.16	0.00	3,343.57
MW - 11	06/09/16	Carlos	3390.73	-	-	47.25	0.00	3,343.48
MW - 11	07/01/16	Carlos	3390.73	-	-	47.23	0.00	3,343.50
MW - 11	07/20/16	Carlos	3390.73	-	-	47.33	0.00	3,343.40
MW - 11	08/04/16	Manny / Wes	3390.73	-	-	47.34	0.00	3,343.39
MW - 11	09/28/16	Manny	3390.73	-	-	47.42	0.00	3,343.31

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 11	11/29/16	Manny	3390.73	58.11	-	47.14	0.00	3,343.59
MW - 11	12/16/16	Carlos	3390.73	-	-	47.04	0.00	3,343.69
MW - 11	01/26/17	Carlos	3390.73	-	-	47.02	0.00	3,343.71
MW - 11	02/27/17	Manny	3390.73	-	-	46.87	0.00	3,343.86
MW - 11	03/30/17	Carlos	3390.73	-	-	46.82	0.00	3,343.91
MW - 11	04/21/17	Jeremy	3390.73	-	-	47.76	0.00	3,342.97
MW - 11	05/18/17	Manny	3390.73	58.23	-	46.73	0.00	3,344.00
MW - 11	07/20/17	Manny	3390.73	-	-	46.72	0.00	3,344.01
MW - 11	08/29/17	Manny	3390.73	-	-	46.63	0.00	3,344.10
MW - 11	10/13/17	Jeremy	3390.73	-	-	47.53	0.00	3,343.20
MW - 11	10/20/17	Jeremy	3390.73	-	-	47.53	0.00	3,343.20
MW - 11	11/07/17	Manny	3390.73	58.04	-	46.54	0.00	3,344.19
MW - 11	01/31/18	Manny	3390.73	-	-	46.35	0.00	3,344.38
MW - 11	02/22/18	Manny	3390.73	-	-	46.41	0.00	3,344.32
MW - 11	03/15/18	Manny	3390.73	-	-	46.36	0.00	3,344.37
MW - 11	04/20/18	Manny	3390.73	-	-	46.36	0.00	3,344.37
MW - 11	05/23/18	Manny	3390.73	58.23	-	46.36	0.00	3,344.37
MW - 11	06/27/18	Manny	3390.73	-	-	46.46	0.00	3,344.27
MW - 11	07/31/18	Manny	3390.73	-	-	46.59	0.00	3,344.14
MW - 11	08/29/18	Manny	3390.73	-	-	46.65	0.00	3,344.08
MW - 11	09/28/18	Manny	3390.73	-	-	46.65	0.00	3,344.08
MW - 11	11/29/18	Manny/Elias	3390.73	58.25	-	46.50	0.00	3,344.23
MW - 11	12/13/18	Manny/Elias	3390.73	-	-	46.54	0.00	3,344.19
MW - 11	01/03/19	Manny/Elias	3390.73	-	-	46.44	0.00	3,344.29
MW - 11	03/05/19	Manny/Elias	3390.73	-	-	46.43	0.00	3,344.30
MW - 11	03/20/19	Manny/Elias	3390.73	-	-	46.38	0.00	3,344.35
MW - 11	04/04/19	Manny/Elias	3390.73	-	-	46.31	0.00	3,344.42
MW - 11	06/11/19	Elias	3390.73	58.10	-	46.24	0.00	3,344.49
MW - 11	07/15/19	Elias	3390.73	-	-	46.19	0.00	3,344.54
MW - 11	08/15/19	Elias	3390.73	-	-	46.18	0.00	3,344.55
MW - 11	11/25/19	Elias	3390.73	58.35	-	45.94	0.00	3,344.79
MW - 11	12/12/19	Elias	3390.73	-	-	45.98	0.00	3,344.75
MW - 11	01/24/20	Elias	3390.73	-	-	45.96	0.00	3,344.77
MW - 11	02/25/20	Elias	3390.73	-	-	46.00	0.00	3,344.73
MW - 11	05/28/20	Manny	3390.73	-	-	45.85	0.00	3,344.88
MW - 11	06/15/20	Manny	3390.73	-	-	45.85	0.00	3,344.88
MW - 11	08/27/20	Manny	3390.73	-	-	45.99	0.00	3,344.74
MW - 11	09/10/20	Manny	3390.73	-	-	46.10	0.00	3,344.63
MW - 11	10/21/20	Manny	3390.73	-	-	46.07	0.00	3,344.66
MW - 11	12/01/20	Manny	3390.73	58.14	-	45.94	0.00	3,344.79
MW - 11	01/06/21	Manny	3390.73	-	-	45.99	0.00	3,344.74
MW - 11	02/04/21	Manny	3390.73	-	-	45.98	0.00	3,344.75
MW - 11	04/26/21	Manny	3390.73	-	-	45.69	0.00	3,345.04
MW - 11	06/16/21	Manny	3390.73	-	-	45.78	0.00	3,344.95
MW - 11	07/28/21	Manny	3390.73	-	-	45.96	0.00	3,344.77
MW - 11	08/19/21	Manny	3390.73	-	-	46.03	0.00	3,344.70
MW - 11	09/24/21	Manny	3390.73	-	-	46.13	0.00	3,344.60
MW - 11	10/18/21	Manny	3390.73	-	-	46.17	0.00	3,344.56
MW - 11	11/30/21	Manny	3390.73	58.51	-	46.19	0.00	3,344.54
MW - 11	01/17/22	Manny	3390.73	-	-	46.17	0.00	3,344.56
MW - 11	03/02/22	Manny	3390.73	-	-	46.23	0.00	3,344.50
MW - 11	04/08/22	Manny	3390.73	-	-	46.31	0.00	3,344.42
MW - 11	05/25/22	Manny	3390.73	-	-	46.34	0.00	3,344.39
MW - 11	09/12/22	Manny	3390.73	57.79	-	46.75	0.00	3,343.98
MW - 11	11/28/22	Manny	3390.73	-	-	46.76	0.00	3,343.97
MW - 11	02/20/23	Manny	3390.73	-	-	46.71	0.00	3,344.02
MW - 11	05/23/23	Manny	3390.73	-	-	46.71	0.00	3,344.02
MW - 11	08/03/23	Manny	3390.73	-	-	47.02	0.00	3,343.71
MW - 11	08/14/23	Manny	3390.73	-	-	47.10	0.00	3,343.63
MW - 11	11/15/23	Manny	3390.73	54.90	-	47.66	0.00	3,343.07
MW - 11	02/14/24	Manny	3390.73	-	-	46.90	0.00	3,343.83
MW - 11	05/14/24	Manny	3390.73	-	-	46.64	0.00	3,344.09
MW - 11	09/16/24	Manny	3390.73	-	-	47.21	0.00	3,343.52
MW - 11	10/31/24	Manny	3390.73	54.86	-	47.29	0.00	3,343.44

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCID INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 12	03/05/14	John F.	3391.57	61.62	-	49.06	0.00	3,342.51
MW - 12	04/17/14	David & Jose	3391.57	-	-	49.06	0.00	3,342.51
MW - 12	04/25/14	Manny & Justin	3391.57	-	-	48.97	0.00	3,342.60
MW - 12	05/01/14	David	3391.57	-	-	48.98	0.00	3,342.59
MW - 12	05/08/14	Manny	3391.57	-	-	48.97	0.00	3,342.60
MW - 12	05/14/14	Manny	3391.57	-	-	48.96	0.00	3,342.61
MW - 12	05/23/14	Baer	3391.57	-	-	49.09	0.00	3,342.48
MW - 12	05/27/14	Manny	3391.57	-	-	49.04	0.00	3,342.53
MW - 12	05/29/14	David	3391.57	61.75	-	49.03	0.00	3,342.54
MW - 12	06/11/14	David	3391.57	-	-	49.09	0.00	3,342.48
MW - 12	06/05/14	David/jose	3391.57	-	-	49.08	0.00	3,342.49
MW - 12	06/18/14	Manny	3391.57	-	-	49.02	0.00	3,342.55
MW - 12	06/26/14	Manny	3391.57	-	-	49.16	0.00	3,342.41
MW - 12	07/01/14	David	3391.57	-	-	49.23	0.00	3,342.34
MW - 12	07/10/14	David	3391.57	-	-	49.28	0.00	3,342.29
MW - 12	07/17/14	Manny	3391.57	-	-	49.29	0.00	3,342.28
MW - 12	07/23/14	David	3391.57	-	-	49.32	0.00	3,342.25
MW - 12	07/31/14	Manny	3391.57	-	-	49.38	0.00	3,342.19
MW - 12	08/06/14	Manny	3391.57	-	-	49.34	0.00	3,342.23
MW - 12	08/12/14	Manny	3391.57	-	-	49.38	0.00	3,342.19
MW - 12	08/21/14	David	3391.57	-	-	49.38	0.00	3,342.19
MW - 12	09/04/14	David	3391.57	-	-	49.39	0.00	3,342.18
MW - 12	10/02/14	Manny	3391.57	-	-	49.31	0.00	3,342.26
MW - 12	10/08/14	Manny	3391.57	-	-	49.23	0.00	3,342.34
MW - 12	10/14/14	Manny	3391.57	-	-	49.25	0.00	3,342.32
MW - 12	10/17/14	Chance	3391.57	-	-	49.22	0.00	3,342.35
MW - 12	10/23/14	Manny	3391.57	-	-	49.20	0.00	3,342.37
MW - 12	10/28/14	Manny	3391.57	-	-	49.17	0.00	3,342.40
MW - 12	11/07/14	Manny	3391.57	-	-	49.04	0.00	3,342.53
MW - 12	11/14/14	Chance	3391.57	-	-	49.10	0.00	3,342.47
MW - 12	11/15/14	Manny	3391.57	61.61	-	49.06	0.00	3,342.51
MW - 12	12/04/14	Chance	3391.57	-	-	48.97	0.00	3,342.60
MW - 12	12/11/14	Chance	3391.57	-	-	48.95	0.00	3,342.62
MW - 12	12/18/14	Manny	3391.57	-	-	48.95	0.00	3,342.62
MW - 12	12/23/14	Chance	3391.57	-	-	48.93	0.00	3,342.64
MW - 12	12/30/14	Carlos	3391.57	-	-	-	-	-
MW - 12	01/07/15	Carlos	3391.57	-	-	48.99	0.00	3,342.58
MW - 12	01/15/15	Carlos	3391.57	-	-	48.85	0.00	3,342.72
MW - 12	01/28/15	Carlos	3391.57	-	-	48.73	0.00	3,342.84
MW - 12	02/04/15	Carlos	3391.57	-	-	48.70	0.00	3,342.87
MW - 12	02/13/15	Carlos	3391.57	-	-	48.72	0.00	3,342.85
MW - 12	02/16/15	Manny	3391.57	61.62	-	48.71	0.00	3,342.86
MW - 12	02/17/15	Carlos	3391.57	-	-	48.75	0.00	3,342.82
MW - 12	02/24/15	Carlos	3391.57	-	-	48.68	0.00	3,342.89
MW - 12	03/10/15	Carlos	3391.57	-	-	48.62	0.00	3,342.95
MW - 12	03/17/15	Carlos	3391.57	-	-	48.61	0.00	3,342.96
MW - 12	03/18/15	Manny/Art	3391.57	-	-	48.57	0.00	3,343.00
MW - 12	03/25/15	Carlos	3391.57	-	-	48.54	0.00	3,343.03
MW - 12	04/07/15	Carlos/ Matt	3391.57	-	-	48.54	0.00	3,343.03
MW - 12	04/08/15	Manny	3391.57	-	-	48.44	0.00	3,343.13
MW - 12	04/21/15	Carlos/ Matt	3391.57	-	-	48.45	0.00	3,343.12
MW - 12	04/28/15	Chance	3391.57	-	-	48.91	0.00	3,342.66
MW - 12	05/06/15	Carlos	3391.57	-	-	48.33	0.00	3,343.24
MW - 12	05/20/15	Carlos	3391.57	-	-	48.32	0.00	3,343.25
MW - 12	05/28/15	Manny/Arthur	3391.57	61.57	-	48.21	0.00	3,343.36
MW - 12	06/09/15	Carlos	3391.57	-	-	48.21	0.00	3,343.36
MW - 12	06/18/15	Carlos	3391.57	-	-	48.21	0.00	3,343.36
MW - 12	06/30/15	Carlos/Arthur	3391.57	-	-	48.29	0.00	3,343.28
MW - 12	07/06/15	Carlos	3391.57	-	-	48.25	0.00	3,343.32
MW - 12	07/09/15	Carlos	3391.57	-	-	48.26	0.00	3,343.31
MW - 12	07/09/15	Fernando/Mark	3391.57	-	-	-	-	-
MW - 12	07/28/15	Carlos	3391.57	-	-	48.26	0.00	3,343.31
MW - 12	08/06/15	Chance	3391.57	-	-	48.91	0.00	3,342.66
MW - 12	08/26/15	Manny	3391.57	61.57	-	48.41	0.00	3,343.16
MW - 12	09/09/15	Carlos	3391.57	-	-	48.53	0.00	3,343.04

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 12	09/11/15	Carlos	3391.57	-	-	48.53	0.00	3,343.04
MW - 12	09/17/15	Carlos	3391.57	-	-	48.53	0.00	3,343.04
MW - 12	09/25/15	Manny	3391.57	-	-	48.60	0.00	3,342.97
MW - 12	09/30/15	Arthur/Carlos	3391.57	-	-	48.51	0.00	3,343.06
MW - 12	10/09/15	Manny	3391.57	-	-	48.65	0.00	3,342.92
MW - 12	10/13/15	Carlos	3391.57	-	-	48.58	0.00	3,342.99
MW - 12	10/15/15	Carlos	3391.57	-	-	48.58	0.00	3,342.99
MW - 12	10/21/15	Carlos	3391.57	-	-	48.60	0.00	3,342.97
MW - 12	10/26/15	Carlos	3391.57	-	-	48.62	0.00	3,342.95
MW - 12	11/09/15	Carlos	3391.57	-	-	48.61	0.00	3,342.96
MW - 12	11/20/15	Manny	3391.57	61.62	-	48.54	0.00	3,343.03
MW - 12	11/25/15	Carlos	3391.57	-	-	48.52	0.00	3,343.05
MW - 12	12/01/15	Carlos	3391.57	-	-	48.52	0.00	3,343.05
MW - 12	12/09/15	Carlos	3391.57	-	-	48.53	0.00	3,343.04
MW - 12	12/11/15	Manny	3391.57	-	-	48.40	0.00	3,343.17
MW - 12	12/15/15	Carlos	3391.57	-	-	48.35	0.00	3,343.22
MW - 12	01/06/16	Carlos	3391.57	-	-	48.29	0.00	3,343.28
MW - 12	01/11/16	Carlos	3391.57	-	-	48.28	0.00	3,343.29
MW - 12	01/13/16	Carlos	3391.57	-	-	48.08	0.00	3,343.49
MW - 12	01/28/16	Carlos	3391.57	-	-	48.17	0.00	3,343.40
MW - 12	02/03/16	Carlos	3391.57	-	-	48.17	0.00	3,343.40
MW - 12	02/10/16	Carlos	3391.57	-	-	48.08	0.00	3,343.49
MW - 12	02/15/16	Carlos	3391.57	-	-	48.04	0.00	3,343.53
MW - 12	02/17/16	Manny	3391.57	61.54	-	48.01	0.00	3,343.56
MW - 12	02/23/16	Carlos	3391.57	-	-	48.07	0.00	3,343.50
MW - 12	03/08/16	Carlos	3391.57	-	-	47.92	0.00	3,343.65
MW - 12	03/16/16	Carlos	3391.57	-	-	47.90	0.00	3,343.67
MW - 12	03/18/16	Manny	3391.57	-	-	47.99	0.00	3,343.58
MW - 12	03/23/16	Carlos	3391.57	-	-	47.88	0.00	3,343.69
MW - 12	03/29/16	Carlos	3391.57	-	-	47.86	0.00	3,343.71
MW - 12	04/04/16	Carlos	3391.57	-	-	47.94	0.00	3,343.63
MW - 12	04/08/16	Carlos	3391.57	-	-	47.91	0.00	3,343.66
MW - 12	04/12/16	Fernando	3391.57	-	-	47.96	0.00	3,343.61
MW - 12	04/21/16	Manny	3391.57	-	-	47.96	0.00	3,343.61
MW - 12	05/03/16	Carlos	3391.57	-	-	48.18	0.00	3,343.39
MW - 12	05/12/16	Mark	3391.57	-	-	47.95	0.00	3,343.62
MW - 12	05/26/16	Manny	3391.57	61.53	-	47.84	0.00	3,343.73
MW - 12	06/09/16	Carlos	3391.57	-	-	47.96	0.00	3,343.61
MW - 12	07/01/16	Carlos	3391.57	-	-	47.94	0.00	3,343.63
MW - 12	07/20/16	Carlos	3391.57	-	-	48.05	0.00	3,343.52
MW - 12	07/28/16	Carlos	3391.57	-	-	47.99	0.00	3,343.58
MW - 12	08/04/16	Manny/ Wes	3391.57	61.60	-	48.03	0.00	3,343.54
MW - 12	08/10/16	Carlos	3391.57	-	-	48.02	0.00	3,343.55
MW - 12	08/16/16	Carlos	3391.57	-	-	48.07	0.00	3,343.50
MW - 12	08/23/16	Carlos	3391.57	-	-	48.06	0.00	3,343.51
MW - 12	09/12/16	Carlos	3391.57	-	-	48.09	0.00	3,343.48
MW - 12	09/23/16	Carlos	3391.57	-	-	48.10	0.00	3,343.47
MW - 12	09/28/16	Manny	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	Carlos	3391.57	-	-	47.97	0.00	3,343.60
MW - 12	11/02/16	Carlos	3391.57	-	-	48.01	0.00	3,343.56
MW - 12	11/09/16	Carlos	3391.57	-	-	48.02	0.00	3,343.55
MW - 12	11/29/16	Manny	3391.57	61.55	-	47.82	0.00	3,343.75
MW - 12	12/09/16	Manny	3391.57	-	-		0.00	3,391.57
MW - 12	12/16/16	Carlos	3391.57	-	-	47.71	0.00	3,343.86
MW - 12	12/21/16	Carlos	3391.57	-	-	47.80	0.00	3,343.77
MW - 12	01/06/17	Manny	3391.57	-	-	47.75	0.00	3,343.82
MW - 12	01/13/17	Carlos	3391.57	-	-	47.69	0.00	3,343.88
MW - 12	01/20/17	Carlos	3391.57	-	-	47.63	0.00	3,343.94
MW - 12	01/26/17	Carlos	3391.57	-	-	47.73	0.00	3,343.84
MW - 12	02/03/17	Manny	3391.57	-	-	47.69	0.00	3,343.88
MW - 12	02/07/17	Carlos	3391.57	-	-	47.68	0.00	3,343.89
MW - 12	02/16/17	Manny	3391.57	-	-	47.58	0.00	3,343.99
MW - 12	02/20/17	Carlos	3391.57	-	-	47.65	0.00	3,343.92
MW - 12	02/27/17	Manny	3391.57	61.49	-	47.56	0.00	3,344.01

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCID INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 12	03/14/17	Manny	3391.57	-	-	47.55	0.00	3,344.02
MW - 12	03/21/17	Manny	3391.57	-	-	47.55	0.00	3,344.02
MW - 12	03/30/17	Carlos	3391.57	-	-	47.51	0.00	3,344.06
MW - 12	04/04/17	Carlos	3391.57	-	-	47.49	0.00	3,344.08
MW - 12	04/10/17	Manny	3391.57	-	-	47.51	0.00	3,344.06
MW - 12	04/21/17	Jeremy	3391.57	-	-	47.46	0.00	3,344.11
MW - 12	04/25/17	Manny	3391.57	-	-	47.40	0.00	3,344.17
MW - 12	05/01/17	Manny	3391.57	-	-	47.47	0.00	3,344.10
MW - 12	05/09/17	Manny	3391.57	-	-	47.46	0.00	3,344.11
MW - 12	05/15/17	Manny	3391.57	-	-	47.43	0.00	3,344.14
MW - 12	05/18/17	Manny	3391.57	61.51	-	47.43	0.00	3,344.14
MW - 12	05/22/17	Manny	3391.57	-	-	47.42	0.00	3,344.15
MW - 12	06/05/17	Manny	3391.57	-	-	47.43	0.00	3,344.14
MW - 12	06/14/17	Manny	3391.57	-	-	47.42	0.00	3,344.15
MW - 12	06/20/17	Manny	3391.57	-	-	47.42	0.00	3,344.15
MW - 12	06/27/17	Manny	3391.57	-	-	47.36	0.00	3,344.21
MW - 12	07/03/17	Manny	3391.57	-	-	47.39	0.00	3,344.18
MW - 12	07/11/17	Manny	3391.57	-	-	47.37	0.00	3,344.20
MW - 12	07/20/17	Manny	3391.57	-	-	47.41	0.00	3,344.16
MW - 12	07/24/17	Manny	3391.57	-	-	47.41	0.00	3,344.16
MW - 12	08/03/17	Manny	3391.57	-	-	47.40	0.00	3,344.17
MW - 12	08/08/17	Manny	3391.57	-	-	47.38	0.00	3,344.19
MW - 12	08/17/17	Manny	3391.57	-	-	47.38	0.00	3,344.19
MW - 12	08/21/17	Manny	3391.57	-	-	47.37	0.00	3,344.20
MW - 12	08/29/17	Manny	3391.57	61.47	-	47.33	0.00	3,344.24
MW - 12	09/05/17	Manny	3391.57	-	-	47.33	0.00	3,344.24
MW - 12	09/12/17	Manny	3391.57	-	-	47.26	0.00	3,344.31
MW - 12	09/18/17	Manny	3391.57	-	-	47.27	0.00	3,344.30
MW - 12	10/06/17	Manny	3391.57	-	-	47.25	0.00	3,344.32
MW - 12	10/13/17	Jeremy	3391.57	-	-	47.23	0.00	3,344.34
MW - 12	10/18/17	Manny	3391.57	-	-	47.23	0.00	3,344.34
MW - 12	10/20/17	Jeremy	3391.57	-	-	47.23	0.00	3,344.34
MW - 12	10/26/17	Manny	3391.57	-	-	47.19	0.00	3,344.38
MW - 12	10/31/17	Manny	3391.57	-	-	47.18	0.00	3,344.39
MW - 12	11/07/17	Manny	3391.57	61.46	-	47.24	0.00	3,344.33
MW - 12	11/17/17	Manny	3391.57	-	-	47.16	0.00	3,344.41
MW - 12	12/01/17	Manny	3391.57	-	-	47.16	0.00	3,344.41
MW - 12	12/07/17	Manny	3391.57	-	-	47.19	0.00	3,344.38
MW - 12	12/12/17	Manny	3391.57	-	-	47.23	0.00	3,344.34
MW - 12	12/18/17	Manny	3391.57	-	-	47.14	0.00	3,344.43
MW - 12	01/05/18	Manny	3391.57	-	-	47.15	0.00	3,344.42
MW - 12	01/19/18	Manny	3391.57	-	-	47.12	0.00	3,344.45
MW - 12	01/23/18	Manny	3391.57	-	-	47.13	0.00	3,344.44
MW - 12	01/31/18	Manny	3391.57	-	-	47.04	0.00	3,344.53
MW - 12	02/09/18	Manny	3391.57	-	-	47.07	0.00	3,344.50
MW - 12	02/16/18	Manny	3391.57	-	-	47.17	0.00	3,344.40
MW - 12	02/22/18	Manny	3391.57	61.39	-	47.09	0.00	3,344.48
MW - 12	03/01/18	Manny	3391.57	-	-	47.17	0.00	3,344.40
MW - 12	03/15/18	Manny	3391.57	-	-	47.05	0.00	3,344.52
MW - 12	03/23/18	Manny	3391.57	-	-	47.08	0.00	3,344.49
MW - 12	03/30/18	Manny	3391.57	-	-	47.09	0.00	3,344.48
MW - 12	04/04/18	Manny	3391.57	-	-	47.16	0.00	3,344.41
MW - 12	04/11/18	Manny	3391.57	-	-	47.03	0.00	3,344.54
MW - 12	04/20/18	Manny	3391.57	-	-	47.05	0.00	3,344.52
MW - 12	04/25/18	Manny	3391.57	-	-	47.08	0.00	3,344.49
MW - 12	05/02/18	Manny	3391.57	-	-	47.01	0.00	3,344.56
MW - 12	05/23/18	Manny	3391.57	61.41	-	47.05	0.00	3,344.52
MW - 12	05/31/18	Manny	3391.57	-	-	47.05	0.00	3,344.52
MW - 12	06/15/18	Manny	3391.57	-	-	47.09	0.00	3,344.48
MW - 12	06/20/18	Manny	3391.57	-	-	47.10	0.00	3,344.47
MW - 12	06/27/18	Manny	3391.57	-	-	47.15	0.00	3,344.42
MW - 12	07/05/18	Manny	3391.57	-	-	47.19	0.00	3,344.38
MW - 12	07/09/18	Manny	3391.57	-	-	47.21	0.00	3,344.36
MW - 12	07/26/18	Manny	3391.57	-	-	47.22	0.00	3,344.35
MW - 12	07/31/18	Manny	3391.57	-	-	47.29	0.00	3,344.28

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCID INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 12	08/29/18	Manny	3391.57	61.47	-	47.34	0.00	3,344.23
MW - 12	09/19/18	Manny	3391.57	-	-	47.31	0.00	3,344.26
MW - 12	09/28/18	Manny	3391.57	-	-	47.32	0.00	3,344.25
MW - 12	10/17/18	Manny	3391.57	-	-	47.43	0.00	3,344.14
MW - 12	11/29/18	Manny/Elias	3391.57	61.55	-	47.22	0.00	3,344.35
MW - 12	12/03/18	Manny/Elias	3391.57	-	-	47.25	0.00	3,344.32
MW - 12	12/13/18	Manny/Elias	3391.57	-	-	47.24	0.00	3,344.33
MW - 12	12/21/18	Manny/Elias	3391.57	-	-	47.11	0.00	3,344.46
MW - 12	12/28/18	Manny/Elias	3391.57	-	-	47.18	0.00	3,344.39
MW - 12	01/03/19	Manny/Elias	3391.57	-	-	47.13	0.00	3,344.44
MW - 12	01/07/19	Manny/Elias	3391.57	-	-	47.13	0.00	3,344.44
MW - 12	01/16/19	Manny/Elias	3391.57	-	-	47.09	0.00	3,344.48
MW - 12	01/21/19	Manny/Elias	3391.57	-	-	47.03	0.00	3,344.54
MW - 12	01/28/19	Manny/Elias	3391.57	-	-	47.13	0.00	3,344.44
MW - 12	02/19/19	Manny/Elias	3391.57	-	-	47.02	0.00	3,344.55
MW - 12	03/01/19	Manny/Elias	3391.57	-	-	47.03	0.00	3,344.54
MW - 12	03/05/19	Manny/Elias	3391.57	61.37	-	47.12	0.00	3,344.45
MW - 12	03/20/19	Manny/Elias	3391.57	-	-	47.08	0.00	3,344.49
MW - 12	04/04/19	Manny/Elias	3391.57	-	-	47.02	0.00	3,344.55
MW - 12	04/09/19	Manny/Elias	3391.57	-	-	46.96	0.00	3,344.61
MW - 12	04/16/19	Manny/Elias	3391.57	-	-	46.96	0.00	3,344.61
MW - 12	04/23/19	Manny/Elias	3391.57	-	-	46.94	0.00	3,344.63
MW - 12	05/10/19	Manny/Elias	3391.57	-	-	46.98	0.00	3,344.59
MW - 12	05/23/19	Elias	3391.57	-	-	46.94	0.00	3,344.63
MW - 12	06/11/19	Elias	3391.57	61.22	-	46.91	0.00	3,344.66
MW - 12	06/20/19	Elias	3391.57	-	-	46.90	0.00	3,344.67
MW - 12	06/25/19	Elias	3391.57	-	-	46.93	0.00	3,344.64
MW - 12	07/03/19	Elias	3391.57	-	-	46.91	0.00	3,344.66
MW - 12	07/15/19	Elias	3391.57	-	-	46.91	0.00	3,344.66
MW - 12	07/31/19	Elias	3391.57	-	-	46.90	0.00	3,344.67
MW - 12	08/15/19	Elias	3391.57	61.37	-	46.88	0.00	3,344.69
MW - 12	09/06/19	Elias	3391.57	-	-	46.88	0.00	3,344.69
MW - 12	09/18/19	Elias	3391.57	-	-	46.80	0.00	3,344.77
MW - 12	11/13/19	Elias	3391.57	-	-	46.64	0.00	3,344.93
MW - 12	11/25/19	Elias	3391.57	60.94	-	46.64	0.00	3,344.93
MW - 12	12/05/19	Elias	3391.57	-	-	46.71	0.00	3,344.86
MW - 12	12/12/19	Elias	3391.57	-	-	46.68	0.00	3,344.89
MW - 12	01/16/20	Elias	3391.57	-	-	-	0.00	3,391.57
MW - 12	01/24/20	Elias	3391.57	-	-	46.65	0.00	3,344.92
MW - 12	02/21/20	Manny	3391.57	-	-	46.68	0.00	3,344.89
MW - 12	01/02/20	Elias	3391.57	-	-	46.68	0.00	3,344.89
MW - 12	02/14/20	Manny	3391.57	-	-	46.65	0.00	3,344.92
MW - 12	02/25/20	Elias	3391.57	61.09	-	46.69	0.00	3,344.88
MW - 12	05/28/20	Manny	3391.57	-	-	46.55	0.00	3,345.02
MW - 12	06/15/20	Manny	3391.57	61.19	-	46.55	0.00	3,345.02
MW - 12	08/27/20	Manny	3391.57	60.85	-	46.68	0.00	3,344.89
MW - 12	09/10/20	Manny	3391.57	-	-	46.79	0.00	3,344.78
MW - 12	10/21/20	Manny	3391.57	-	-	46.75	0.00	3,344.82
MW - 12	11/02/20	Manny	3391.57	-	-	46.81	0.00	3,344.76
MW - 12	12/01/20	Manny	3391.57	60.85	-	46.62	0.00	3,344.95
MW - 12	01/06/21	Manny	3391.57	-	-	46.69	0.00	3,344.88
MW - 12	02/04/21	Manny	3391.57	60.89	-	46.69	0.00	3,344.88
MW - 12	02/12/21	Manny	3391.57	-	-	46.72	0.00	3,344.85
MW - 12	04/13/21	Manny	3391.57	-	-	46.48	0.00	3,345.09
MW - 12	04/26/21	Manny	3391.57	-	-	46.38	0.00	3,345.19
MW - 12	06/17/21	Manny	3391.57	60.92	-	46.47	0.00	3,345.10
MW - 12	07/28/21	Manny	3391.57	-	-	46.64	0.00	3,344.93
MW - 12	08/19/21	Manny	3391.57	-	-	46.70	0.00	3,344.87
MW - 12	09/24/21	Manny	3391.57	60.85	-	46.80	0.00	3,344.77
MW - 12	10/18/21	Manny	3391.57	-	-	46.84	0.00	3,344.73
MW - 12	10/25/21	Manny	3391.57	-	-	46.87	0.00	3,344.70
MW - 12	11/30/21	Manny	3391.57	60.88	-	46.87	0.00	3,344.70
MW - 12	01/17/22	Manny	3391.57	-	-	46.84	0.00	3,344.73
MW - 12	03/02/22	Manny	3391.57	60.80	-	46.90	0.00	3,344.67
MW - 12	05/26/22	Manny	3391.57	60.79	-	47.01	0.00	3,344.56
MW - 12	09/12/22	Manny	3391.57	60.82	-	47.41	0.00	3,344.16
MW - 12	11/29/22	Manny	3391.57	60.75	-	47.40	0.00	3,344.17
MW - 12	02/21/23	Manny	3391.57	60.73	-	47.40	0.00	3,344.17
MW - 12	05/23/23	Manny	3391.57	60.85	-	47.26	0.00	3,344.31
MW - 12	08/03/23	Manny	3391.57	60.90	-	47.64	0.00	3,343.93

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCID INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 12	08/15/23	Manny	3391.57	60.90	-	47.71	0.00	3,343.86
MW - 12	11/16/23	Manny	3391.57	60.80	-	47.82	0.00	3,343.75
MW - 12	02/14/24	Manny	3391.57	60.77	-	47.54	0.00	3,344.03
MW - 12	05/14/24	Manny	3391.57	60.75	-	47.32	0.00	3,344.25
MW - 12	09/16/24	Manny	3391.57	60.78	-	47.83	0.00	3,343.74
MW - 12	10/31/24	Manny	3391.57	60.73	-	47.91	0.00	3,343.66
MW - 13	03/05/14	John & Jose	3391.89	-	49.21	49.55	0.34	3,342.63
MW - 13	03/13/14	John & Jose	3391.89	-	49.14	49.69	0.55	3,342.67
MW - 13	03/29/14	David & Manny	3391.89	-	49.10	49.72	0.62	3,342.70
MW - 13	04/08/14	David & Jose	3391.89	-	49.16	49.87	0.71	3,342.62
MW - 13	04/17/14	David & Jose	3391.89	-	49.13	49.94	0.81	3,342.64
MW - 13	04/25/14	Manny & Justin	3391.89	-	49.01	49.85	0.84	3,342.75
MW - 13	05/01/14	David	3391.89	-	49.17	49.33	0.16	3,342.70
MW - 13	05/08/14	Manny	3391.89	-	49.11	49.25	0.14	3,342.76
MW - 13	05/14/14	Manny	3391.89	-	49.07	49.29	0.22	3,342.79
MW - 13	05/23/14	Baer	3391.89	-	49.19	49.39	0.20	3,342.67
MW - 13	05/27/14	Manny	3391.89	-	49.20	49.25	0.05	3,342.68
MW - 13	05/29/14	David	3391.89	-	49.23	49.33	0.10	3,342.65
MW - 13	06/11/14	David	3391.89	-	49.22	49.54	0.32	3,342.62
MW - 13	06/05/14	David/Jose	3391.89	-	49.20	49.46	0.26	3,342.65
MW - 13	06/18/14	Manny	3391.89	-	49.20	49.65	0.45	3,342.62
MW - 13	06/26/14	Manny	3391.89	-	49.22	49.82	0.60	3,342.58
MW - 13	07/01/14	David	3391.89	-	49.38	49.60	0.22	3,342.48
MW - 13	07/10/14	David	3391.89	-	49.36	49.75	0.39	3,342.47
MW - 13	07/17/14	Manny	3391.89	-	49.35	49.91	0.56	3,342.46
MW - 13	07/23/14	David	3391.89	-	49.50	49.75	0.25	3,342.35
MW - 13	07/31/14	Manny	3391.89	-	49.48	49.85	0.37	3,342.35
MW - 13	08/06/14	Manny	3391.89	-	49.47	49.73	0.26	3,342.38
MW - 13	08/12/14	David	3391.89	-	49.52	49.80	0.28	3,342.33
MW - 13	08/21/14	David	3391.89	-	49.50	49.94	0.44	3,342.32
MW - 13	09/04/14	David	3391.89	-	48.49	50.08	1.59	3,343.16
MW - 13	10/02/14	Manny	3391.89	-	49.39	49.98	0.59	3,342.41
MW - 13	10/08/14	Manny	3391.89	-	49.40	49.49	0.09	3,342.48
MW - 13	10/14/14	Manny	3391.89	-	49.42	49.48	0.06	3,342.46
MW - 13	10/17/14	Chance	3391.89	-	49.43	49.49	0.06	3,342.45
MW - 13	10/23/14	Manny	3391.89	-	49.37	49.53	0.16	3,342.50
MW - 13	10/24/14	Manny	3391.89	-	49.37	49.53	0.16	3,342.50
MW - 13	10/28/14	Manny	3391.89	-	49.36	49.44	0.08	3,342.52
MW - 13	10/29/14	Manny	3391.89	-	-	-	-	-
MW - 13	11/07/14	Manny	3391.89	-	49.26	49.60	0.34	3,342.58
MW - 13	11/14/14	Chance	3391.89	-	49.30	49.44	0.14	3,342.57
MW - 13	11/15/14	Manny	3391.89	-	49.21	49.40	0.19	3,342.65
MW - 13	12/04/14	Chance	3391.89	-	49.28	49.42	0.14	3,342.59
MW - 13	12/11/14	Chance	3391.89	-	49.31	49.42	0.11	3,342.56
MW - 13	12/18/14	Manny	3391.89	-	48.99	49.86	0.87	3,342.77
MW - 13	12/23/14	Chance	3391.89	-	49.29	49.40	0.11	3,342.58
MW - 13	12/30/14	Carlos	3391.89	-	-	-	-	-
MW - 13	01/07/15	Carlos	3391.89	-	49.19	49.36	0.17	3,342.67
MW - 13	01/15/15	Carlos	3391.89	-	49.06	49.18	0.12	3,342.81
MW - 13	01/28/15	Carlos	3391.89	-	48.93	49.03	0.10	3,342.95
MW - 13	02/04/15	Carlos	3391.89	-	48.90	49.02	0.12	3,342.97
MW - 13	02/13/15	Carlos	3391.89	-	48.92	48.97	0.05	3,342.96
MW - 13	02/16/15	Manny	3391.89	-	48.90	48.94	0.04	3,342.98
MW - 13	02/17/15	Carlos	3391.89	-	48.93	49.02	0.09	3,342.95
MW - 13	02/24/15	Manny	3391.89	-	48.89	48.95	0.06	3,342.99
MW - 13	03/10/15	Manny	3391.89	-	48.82	48.87	0.05	3,343.06
MW - 13	03/17/15	Carlos	3391.89	-	48.81	48.88	0.07	3,343.07
MW - 13	03/18/15	Manny/Art	3391.89	-	48.76	48.83	0.07	3,343.12
MW - 13	03/25/15	Carlos	3391.89	-	48.73	48.80	0.07	3,343.15
MW - 13	04/07/15	Carlos/ Matt	3391.89	-	48.71	48.81	0.10	3,343.17
MW - 13	04/08/15	Manny	3391.89	-	48.63	48.68	0.05	3,343.25
MW - 13	04/21/15	Carlos/ Matt	3391.89	-	48.68	48.76	0.08	3,343.20
MW - 13	04/28/15	Chance	3391.89	-	49.32	49.40	0.08	3,342.56
MW - 13	05/06/15	Carlos	3391.89	-	48.87	48.92	0.05	3,343.01

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 13	05/20/15	Carlos	3391.89	-	48.52	48.62	0.10	3,343.36
MW - 13	05/28/15	Manny/Arthur	3391.89	-	48.47	48.54	0.07	3,343.41
MW - 13	06/02/15	Arthur/ Chance	3391.89	-	48.44	48.52	0.08	3,343.44
MW - 13	06/09/15	Carlos	3391.89	-	48.41	48.50	0.09	3,343.47
MW - 13	06/18/15	Carlos	3391.89	-	47.80	47.85	0.05	3,344.08
MW - 13	06/30/15	Carlos/ Arthur	3391.89	-	48.60	48.66	0.06	3,343.28
MW - 13	07/06/15	Carlos	3391.89	-	48.82	48.86	0.04	3,343.06
MW - 13	07/09/15	Carlos	3391.89	-	48.80	48.83	0.03	3,343.09
MW - 13	07/21/15	Fernando/Mark	3391.89	-	48.57	48.61	0.04	3,343.31
MW - 13	07/28/15	Carlos	3391.89	-	48.50	48.55	0.05	3,343.38
MW - 13	08/06/15	Chance	3391.89	-	49.31	49.39	0.08	3,342.57
MW - 13	08/11/15	Mark	3391.89	-	48.57	48.62	0.05	3,343.31
MW - 13	08/18/15	Mark/Fernando	3391.89	-	48.59	48.60	0.01	3,343.30
MW - 13	08/26/15	Manny	3391.89	-	48.73	48.76	0.03	3,343.16
MW - 13	09/11/15	Carlos	3391.89	-	48.70	48.75	0.05	3,343.18
MW - 13	09/17/15	Carlos	3391.89	-	48.70	48.76	0.06	3,343.18
MW - 13	09/25/15	Manny	3391.89	-	48.78	48.86	0.08	3,343.10
MW - 13	09/30/15	Arthur/Carlos	3391.89	-	48.78	48.88	0.10	3,343.10
MW - 13	10/06/15	Mark	3391.89	-	48.77	48.84	0.07	3,343.11
MW - 13	10/09/15	Manny	3391.89	-	48.83	48.92	0.09	3,343.05
MW - 13	10/13/15	Carlos	3391.89	-	48.72	48.83	0.11	3,343.15
MW - 13	10/15/15	Carlos	3391.89	-	48.46	48.56	0.10	3,343.42
MW - 13	10/21/15	Carlos	3391.89	-	48.77	48.88	0.11	3,343.10
MW - 13	10/26/15	Carlos	3391.89	-	48.75	48.86	0.11	3,343.12
MW - 13	11/09/15	Carlos	3391.89	-	48.72	48.87	0.15	3,343.15
MW - 13	11/20/15	Manny	3391.89	-	48.72	48.91	0.19	3,343.14
MW - 13	11/25/15	Carlos	3391.89	-	48.68	48.90	0.22	3,343.18
MW - 13	12/01/15	Carlos	3391.89	-	48.68	48.90	0.22	3,343.18
MW - 13	12/09/15	Carlos	3391.89	-	48.68	48.90	0.22	3,343.18
MW - 13	12/11/15	Manny	3391.89	-	48.58	48.78	0.20	3,343.28
MW - 13	12/15/15	Carlos	3391.89	-	48.56	48.76	0.20	3,343.30
MW - 13	01/06/16	Carlos	3391.89	-	48.40	48.61	0.21	3,343.46
MW - 13	01/11/16	Carlos	3391.89	-	48.42	48.63	0.21	3,343.44
MW - 13	01/13/16	Carlos	3391.89	-	48.40	48.61	0.21	3,343.46
MW - 13	01/28/16	Carlos	3391.89	-	48.33	48.53	0.20	3,343.53
MW - 13	02/03/16	Carlos	3391.89	-	48.32	48.55	0.23	3,343.54
MW - 13	02/10/16	Carlos	3391.89	-	48.25	48.45	0.20	3,343.61
MW - 13	02/15/16	Carlos	3391.89	-	48.17	48.37	0.20	3,343.69
MW - 13	02/17/16	Manny	3391.89	-	48.19	48.39	0.20	3,343.67
MW - 13	02/23/16	Carlos	3391.89	-	48.19	48.39	0.20	3,343.67
MW - 13	03/08/16	Carlos	3391.89	-	48.07	48.25	0.18	3,343.79
MW - 13	03/16/16	Carlos	3391.89	-	48.06	48.25	0.19	3,343.80
MW - 13	03/18/16	Manny	3391.89	-	48.16	48.36	0.20	3,343.70
MW - 13	03/23/16	Carlos	3391.89	-	48.05	48.24	0.19	3,343.81
MW - 13	03/29/16	Carlos	3391.89	-	41.03	41.21	0.18	3,350.83
MW - 13	04/04/16	Carlos	3391.89	-	48.30	48.90	0.60	3,343.50
MW - 13	04/08/16	Carlos	3391.89	-	48.08	48.28	0.20	3,343.78
MW - 13	04/12/16	Fernando	3391.89	-	48.10	48.41	0.31	3,343.74
MW - 13	05/03/16	Carlos	3391.89	-	48.32	48.55	0.23	3,343.54
MW - 13	05/12/16	Mark	3391.89	-	48.10	48.33	0.23	3,343.76
MW - 13	05/26/16	Manny	3391.89	-	48.01	48.19	0.18	3,343.85
MW - 13	06/09/16	Carlos	3391.89	-	48.07	48.29	0.22	3,343.79
MW - 13	07/01/16	Carlos	3391.89	-	48.04	48.27	0.23	3,343.82
MW - 13	07/20/16	Carlos	3391.89	-	48.16	48.40	0.24	3,343.69
MW - 13	07/28/16	Carlos	3391.89	-	48.11	48.38	0.27	3,343.74
MW - 13	08/04/16	Manny/ Wes	3391.89	-	48.20	48.43	0.23	3,343.66
MW - 13	08/10/16	Carlos	3391.89	-	48.17	48.42	0.25	3,343.68
MW - 13	08/16/16	Carlos	3391.89	-	48.22	48.47	0.25	3,343.63
MW - 13	08/23/16	Carlos	3391.89	-	48.20	48.46	0.26	3,343.65
MW - 13	09/12/16	Carlos	3391.89	-	48.23	48.47	0.24	3,343.62
MW - 13	09/23/16	Carlos	3391.89	-	48.21	48.46	0.25	3,343.64
MW - 13	09/28/16	Manny	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	Carlos	3391.89	-	48.13	48.30	0.17	3,343.73
MW - 13	11/02/16	Carlos	3391.89	-	48.13	48.31	0.18	3,343.73

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 13	11/09/16	Carlos	3391.89	-	48.15	48.32	0.17	3,343.71
MW - 13	11/29/16	Manny	3391.89	-	48.03	48.20	0.17	3,343.83
MW - 13	12/16/16	Carlos	3391.89	-	47.89	48.04	0.15	3,343.98
MW - 13	12/21/16	Carlos	3391.89	-	48.00	48.13	0.13	3,343.87
MW - 13	01/13/17	Carlos	3391.89	-	47.87	48.04	0.17	3,343.99
MW - 13	01/20/17	Carlos	3391.89	-	47.80	47.97	0.17	3,344.06
MW - 13	01/26/17	Carlos	3391.89	-	47.90	48.09	0.19	3,343.96
MW - 13	02/07/17	Carlos	3391.89	-	47.86	48.00	0.14	3,344.01
MW - 13	02/20/17	Carlos	3391.89	-	47.81	47.95	0.14	3,344.06
MW - 13	02/27/17	Manny	3391.89	-	47.79	47.94	0.15	3,344.08
MW - 13	03/30/17	Carlos	3391.89	-	47.69	47.84	0.15	3,344.18
MW - 13	04/04/17	Carlos	3391.89	-	47.68	47.83	0.15	3,344.19
MW - 13	04/21/17	Jeremy	3391.89	-	47.66	47.81	0.15	3,344.21
MW - 13	05/18/17	Manny	3391.89	-	47.63	47.76	0.13	3,344.24
MW - 13	07/20/17	Manny	3391.89	-	47.60	47.76	0.16	3,344.27
MW - 13	08/29/17	Manny	3391.89	-	47.52	47.67	0.15	3,344.35
MW - 13	10/13/17	Jeremy	3391.89	-	47.45	47.59	0.14	3,344.42
MW - 13	10/20/17	Jeremy	3391.89	-	47.45	47.59	0.14	3,344.42
MW - 13	10/31/17	Manny	3391.89	-	47.39	47.52	0.13	3,344.48
MW - 13	11/07/17	Manny	3391.89	-	47.47	47.57	0.10	3,344.41
MW - 13	12/18/17	Manny	3391.89	-	47.37	47.42	0.05	3,344.51
MW - 13	01/05/18	Manny	3391.89	-	47.38	47.43	0.05	3,344.50
MW - 13	01/31/18	Manny	3391.89	-	47.27	47.31	0.04	3,344.61
MW - 13	02/22/18	Manny	3391.89	-	47.34	47.38	0.04	3,344.54
MW - 13	03/15/18	Manny	3391.89	-	47.29	47.35	0.06	3,344.59
MW - 13	03/23/18	Manny	3391.89	-	47.32	47.37	0.05	3,344.56
MW - 13	04/11/18	Manny	3391.89	-	47.32	47.36	0.04	3,344.56
MW - 13	04/20/18	Manny	3391.89	-	47.29	47.30	0.01	3,344.60
MW - 13	04/25/18	Manny	3391.89	-	47.32	47.34	0.02	3,344.57
MW - 13	05/02/18	Manny	3391.89	-	47.25	47.27	0.02	3,344.64
MW - 13	05/10/18	Manny	3391.89	-	47.22	47.24	0.02	3,344.67
MW - 13	05/23/18	Manny	3391.89	-	47.27	47.28	0.01	3,344.62
MW - 13	05/31/18	Manny	3391.89	-	47.28	47.30	0.02	3,344.61
MW - 13	06/15/18	Manny	3391.89	-	-	47.52	0.00	3,344.37
MW - 13	06/20/18	Manny	3391.89	-	-	47.72	0.00	3,344.17
MW - 13	06/27/18	Manny	3391.89	-	-	47.50	0.00	3,344.39
MW - 13	07/05/18	Manny	3391.89	-	-	47.49	0.00	3,344.40
MW - 13	07/09/18	Manny	3391.89	-	-	47.58	0.00	3,344.31
MW - 13	07/26/18	Manny	3391.89	-	-	47.57	0.00	3,344.32
MW - 13	07/31/18	Manny	3391.89	-	-	47.73	0.00	3,344.16
MW - 13	08/14/18	Manny	3391.89	-	-	47.48	0.00	3,344.41
MW - 13	08/29/18	Manny	3391.89	62.57	-	47.57	0.00	3,344.32
MW - 13	09/07/18	Jeremy	3391.89	-	-	47.56	0.00	3,344.33
MW - 13	09/28/18	Manny	3391.89	-	-	47.57	0.00	3,344.32
MW - 13	10/04/18	Manny	3391.89	-	-	47.61	0.00	3,344.28
MW - 13	10/17/18	Manny	3391.89	-	-	47.75	0.00	3,344.14
MW - 13	11/09/18	Manny	3391.89	-	-	47.72	0.00	3,344.17
MW - 13	11/15/18	Manny/Elias	3391.89	-	-	47.61	0.00	3,344.28
MW - 13	11/19/18	Manny/Elias	3391.89	-	-	47.65	0.00	3,344.24
MW - 13	11/29/18	Manny/Elias	3391.89	62.59	-	47.61	0.00	3,344.28
MW - 13	12/03/18	Manny/Elias	3391.89	-	-	47.69	0.00	3,344.20
MW - 13	12/13/18	Manny/Elias	3391.89	-	-	47.50	0.00	3,344.39
MW - 13	12/21/18	Manny/Elias	3391.89	-	-	47.45	0.00	3,344.44
MW - 13	12/28/18	Manny/Elias	3391.89	-	-	47.58	0.00	3,344.31
MW - 13	01/03/19	Manny/Elias	3391.89	-	-	47.71	0.00	3,344.18
MW - 13	01/07/19	Manny/Elias	3391.89	-	-	47.58	0.00	3,344.31
MW - 13	01/16/19	Manny/Elias	3391.89	-	-	47.71	0.00	3,344.18
MW - 13	01/21/19	Manny/Elias	3391.89	-	-	47.45	0.00	3,344.44
MW - 13	01/28/19	Manny/Elias	3391.89	-	-	47.67	0.00	3,344.22
MW - 13	02/08/19	Manny/Elias	3391.89	-	-	47.57	0.00	3,344.32
MW - 13	02/13/19	Manny/Elias	3391.89	-	-	47.41	0.00	3,344.48
MW - 13	02/19/19	Manny/Elias	3391.89	-	-	47.31	0.00	3,344.58
MW - 13	03/01/19	Manny/Elias	3391.89	-	-	47.55	0.00	3,344.34
MW - 13	03/05/19	Manny/Elias	3391.89	62.49	-	47.48	0.00	3,344.41
MW - 13	03/20/19	Manny/Elias	3391.89	-	-	47.86	0.00	3,344.03

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 13	03/27/19	Manny/Elias	3391.89	-	-	47.40	0.00	3,344.49
MW - 13	04/04/19	Manny/Elias	3391.89	-	-	47.56	0.00	3,344.33
MW - 13	04/09/19	Manny/Elias	3391.89	-	-	47.36	0.00	3,344.53
MW - 13	04/16/19	Manny/Elias	3391.89	-	-	47.47	0.00	3,344.42
MW - 13	04/23/19	Manny/Elias	3391.89	-	-	47.36	0.00	3,344.53
MW - 13	05/03/19	Manny	3391.89	-	-	47.26	0.00	3,344.63
MW - 13	05/10/19	Manny	3391.89	-	-	47.49	0.00	3,344.40
MW - 13	05/23/19	Elias	3391.89	-	-	47.20	0.00	3,344.69
MW - 13	06/11/19	Elias	3391.89	62.63	-	47.20	0.00	3,344.69
MW - 13	06/20/19	Elias	3391.89	-	-	47.25	0.00	3,344.64
MW - 13	06/25/19	Elias	3391.89	-	-	47.28	0.00	3,344.61
MW - 13	07/03/19	Elias	3391.89	-	-	47.39	0.00	3,344.50
MW - 13	07/15/19	Elias	3391.89	-	-	47.61	0.00	3,344.28
MW - 13	07/31/19	Elias	3391.89	-	-	47.60	0.00	3,344.29
MW - 13	08/07/19	Elias	3391.89	-	-	47.31	0.00	3,344.58
MW - 13	08/15/19	Elias	3391.89	62.65	-	47.22	0.00	3,344.67
MW - 13	08/23/19	Elias	3391.89	-	-	47.27	0.00	3,344.62
MW - 13	09/06/19	Elias	3391.89	-	-	47.25	0.00	3,344.64
MW - 13	09/10/19	Elias	3391.89	-	-	47.25	0.00	3,344.64
MW - 13	09/18/19	Elias	3391.89	-	-	47.16	0.00	3,344.73
MW - 13	10/18/19	Elias	3391.89	-	-	47.08	0.00	3,344.81
MW - 13	10/24/19	Elias	3391.89	-	-	47.08	0.00	3,344.81
MW - 13	11/01/19	Elias	3391.89	-	-	47.42	0.00	3,344.47
MW - 13	11/13/19	Elias	3391.89	-	-	47.05	0.00	3,344.84
MW - 13	11/25/19	Elias	3391.89	52.64	-	46.96	0.00	3,344.93
MW - 13	12/05/19	Elias	3391.89	-	-	47.02	0.00	3,344.87
MW - 13	12/12/19	Elias	3391.89	-	-	46.94	0.00	3,344.95
MW - 13	12/27/19	Manny	3391.89	-	-	46.91	0.00	3,344.98
MW - 13	01/06/20	Manny	3391.89	-	-	46.98	0.00	3,344.91
MW - 13	01/16/20	Manny	3391.89	-	-	46.98	0.00	3,344.91
MW - 13	01/24/20	Manny	3391.89	-	-	46.97	0.00	3,344.92
MW - 13	01/31/20	Manny	3391.89	-	-	47.05	0.00	3,344.84
MW - 13	02/06/20	Manny	3391.89	-	-	46.88	0.00	3,345.01
MW - 13	02/14/20	Manny	3391.89	-	-	46.91	0.00	3,344.98
MW - 13	02/21/20	Manny	3391.89	-	-	46.95	0.00	3,344.94
MW - 13	02/25/20	Elias	3391.89	62.58	-	46.94	0.00	3,344.95
MW - 13	05/28/20	Manny	3391.89	-	-	46.83	0.00	3,345.06
MW - 13	06/15/20	Manny	3391.89	62.55	-	46.81	0.00	3,345.08
MW - 13	07/02/20	Manny	3391.89	-	-	46.84	0.00	3,345.05
MW - 13	07/29/20	Manny	3391.89	-	-	46.98	0.00	3,344.91
MW - 13	08/20/20	Manny	3391.89	-	-	47.06	0.00	3,344.83
MW - 13	08/27/20	Manny	3391.89	62.55	-	47.06	0.00	3,344.83
MW - 13	09/10/20	Manny	3391.89	-	-	47.20	0.00	3,344.69
MW - 13	10/21/20	Manny	3391.89	-	-	47.12	0.00	3,344.77
MW - 13	11/02/20	Manny	3391.89	-	-	47.06	0.00	3,344.83
MW - 13	12/01/20	Manny	3391.89	62.62	-	46.90	0.00	3,344.99
MW - 13	12/07/20	Manny	3391.89	-	-	46.97	0.00	3,344.92
MW - 13	01/06/21	Manny	3391.89	-	-	46.88	0.00	3,345.01
MW - 13	02/04/21	Manny	3391.89	62.61	-	46.92	0.00	3,344.97
MW - 13	02/12/21	Manny	3391.89	-	-	46.91	0.00	3,344.98
MW - 13	03/31/21	Manny	3391.89	-	-	46.80	0.00	3,345.09
MW - 13	04/13/21	Manny	3391.89	-	-	46.71	0.00	3,345.18
MW - 13	04/26/21	Manny	3391.89	-	-	46.70	0.00	3,345.19
MW - 13	05/11/21	Manny	3391.89	-	-	46.68	0.00	3,345.21
MW - 13	06/17/21	Manny	3391.89	62.58	-	46.71	0.00	3,345.18
MW - 13	07/12/21	Manny	3391.89	-	-	46.83	0.00	3,345.06
MW - 13	07/28/21	Manny	3391.89	-	-	46.90	0.00	3,344.99
MW - 13	08/10/21	Manny	3391.89	-	-	46.96	0.00	3,344.93
MW - 13	08/19/21	Manny	3391.89	-	-	46.98	0.00	3,344.91
MW - 13	09/14/21	Manny	3391.89	-	-	47.07	0.00	3,344.82
MW - 13	09/24/21	Manny	3391.89	62.54	-	47.09	0.00	3,344.80
MW - 13	10/18/21	Manny	3391.89	-	-	47.13	0.00	3,344.76
MW - 13	10/25/21	Manny	3391.89	-	-	47.16	0.00	3,344.73
MW - 13	11/04/21	Manny	3391.89	-	-	47.19	0.00	3,344.70
MW - 13	11/30/21	Manny	3391.89	62.55	-	47.15	0.00	3,344.74

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, LP
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP210544011

Well ID	Measurement Date	Field Tech	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 13	12/27/21	Manny	3391.89	-	-	47.11	0.00	3,344.78
MW - 13	01/03/22	Manny	3391.89	-	-	47.22	0.00	3,344.67
MW - 13	01/17/22	Manny	3391.89	-	-	47.16	0.00	3,344.73
MW - 13	02/11/22	Manny	3391.89	-	-	47.15	0.00	3,344.74
MW - 13	03/02/22	Manny	3391.89	62.55	-	47.21	0.00	3,344.68
MW - 13	03/24/22	Manny	3391.89	-	-	47.19	0.00	3,344.70
MW - 13	04/08/22	Manny	3391.89	-	-	47.39	0.00	3,344.50
MW - 13	04/22/22	Manny	3391.89	-	-	47.19	0.00	3,344.70
MW - 13	05/06/22	Manny	3391.89	-	-	47.25	0.00	3,344.64
MW - 13	05/26/22	Manny	3391.89	62.62	-	47.24	0.00	3,344.65
MW - 13	06/20/22	Manny	3391.89	-	47.34	47.35	0.01	3,344.55
MW - 13	07/11/22	Manny	3391.89	-	-	47.42	0.00	3,344.47
MW - 13	08/19/22	Manny	3391.89	-	-	47.68	0.00	3,344.21
MW - 13	09/12/22	Manny	3391.89	62.65	-	47.69	0.00	3,344.20
MW - 13	09/21/22	Manny	3391.89	-	-	47.71	0.00	3,344.18
MW - 13	10/05/22	Manny	3391.89	-	-	47.80	0.00	3,344.09
MW - 13	11/22/22	Manny	3391.89	-	-	47.75	0.00	3,344.14
MW - 13	11/29/22	Manny	3391.89	62.55	-	47.77	0.00	3,344.12
MW - 13	12/05/22	Manny	3391.89	-	-	47.70	0.00	3,344.19
MW - 13	01/04/23	Manny	3391.89	-	-	47.82	0.00	3,344.07
MW - 13	02/21/23	Manny	3391.89	62.55	-	47.68	0.00	3,344.21
MW - 13	03/22/23	Manny	3391.89	-	-	47.77	0.00	3,344.12
MW - 13	04/14/23	Manny	3391.89	-	-	47.63	0.00	3,344.26
MW - 13	05/22/23	Manny	3391.89	-	-	47.65	0.00	3,344.24
MW - 13	05/23/23	Manny	3391.89	62.70	-	47.65	0.00	3,344.24
MW - 13	06/28/23	Manny	3391.89	-	-	47.78	0.00	3,344.11
MW - 13	07/14/23	Manny	3391.89	-	-	47.90	0.00	3,343.99
MW - 13	08/03/23	Manny	3391.89	62.57	-	47.86	0.00	3,344.03
MW - 13	08/15/23	Manny	3391.89	62.58	-	47.93	0.00	3,343.96
MW - 13	09/12/23	Manny	3391.89	-	-	48.22	0.00	3,343.67
MW - 13	11/16/23	Manny	3391.89	62.55	-	48.15	0.00	3,343.74
MW - 13	11/17/23	Manny	3391.89	-	-	48.15	0.00	3,343.74
MW - 13	12/22/23	Manny	3391.89	-	48.02	48.03	0.01	3,343.87
MW - 13	01/04/24	Manny	3391.89	-	-	47.98		3,343.91
MW - 13	02/02/24	Manny	3391.89	-	-	47.84		3,344.05
MW - 13	02/14/24	Manny	3391.89	62.56	-	47.78		3,344.11
MW - 13	03/12/24	Manny	3391.89	-	-	47.61	0.00	3,344.28
MW - 13	04/17/24	Manny	3391.89	-	-	47.60	0.00	3,344.29
MW - 13	05/02/24	Manny	3391.89	-	-	47.56	0.00	3,344.33
MW - 13	05/14/24	Manny	3391.89	62.55	-	47.54	0.00	3,344.35
MW - 13	06/14/24	Manny	3391.89	-	-	47.79	0.00	3,344.10
MW - 13	07/03/24	Manny	3391.89	-	-	47.94	0.00	3,343.95
MW - 13	08/01/24	Manny	3391.89	-	48.06	48.07	0.01	3,343.83
MW - 13	09/16/24	Manny	3391.89	62.58		48.05	0.00	3,343.85
MW - 13	10/15/24	Manny	3391.89	-	-	48.10	0.00	3,343.80
MW - 13	10/31/24	Manny	3391.89	62.60	-	48.15	0.00	3,343.75
MW - 13	11/08/24	Manny	3391.89	-	-	48.20	0.00	3,343.70
MW - 13	12/03/24	Manny	3391.89	-	-	47.16	0.00	3,344.74

Notes:

1. BTOC = Below Top-of-Casing.
2. '-' = No gauging data collected on corresponding date.
3. Dry = No fluid gauged for corresponding well.
4. P&A = Plugged and Abandoned.
5. Elevations of the potentiometric surface were calculated using a PSH specific gravity of 0.85 gram/cubic centimeter (g/cc).
6. Elevations based on the North American Vertical Datum of 1929.
7. 2014 resurvey elevations based on the North American Vertical Datum of 1988.

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING L.P.
 TNM 98-05A
 SRS NO. TNM 98-05A
 LEA COUNTY, NEW MEXICO
 NMOCD INCIDENT NO. nAPP2109544011

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 1	02/09/04	4.09	0.020	1.47	0.547
MW - 1	05/04/04	5.47	0.058	1.54	0.353
MW - 1	12/04/04	16.2	0.590	1.50	1.56
MW - 1	03/07/05	16.9	<0.1	1.50	0.644
MW - 1	06/07/05	15.6	<0.2	1.91	0.807
MW - 1	09/07/05	9.55	<0.2	1.60	0.553
MW - 1	12/14/05	NS	-	-	-
MW - 1	01/12/06	1.00	0.242	0.774	0.534
MW - 1	03/06/06	9.96	<0.1	2.24	1.64
MW - 1	06/05/06	7.08	<0.2	1.66	1.22
MW - 1	09/11/06	7.86	0.076	2.42	1.44
MW - 1	11/21/06	6.17	<0.1	1.32	1.20
MW - 1	02/20/07	3.00	0.125	0.993	0.493
MW - 1	05/15/07	4.01	<0.100	1.58	0.681
MW - 1	08/09/07	3.77	<0.100	1.28	0.471
MW - 1	11/13/07	5.55	0.149	2.20	0.560
MW - 1	02/14/08	3.48	0.151	1.31	0.699
MW - 1	06/05/08	3.62	0.122	0.984	0.179
MW - 1	08/19/08	4.29	0.199	1.25	0.391
MW - 1	11/19/08	3.82	0.135	0.128	0.471
MW - 1	02/18/09	2.42	<0.001	0.511	<0.1
MW - 1	05/19/09	0.64	<0.001	1.46	2.00
MW - 1	08/13/09	2.94	<0.100	0.888	<0.100
MW - 1	11/11/09	2.88	<0.100	1.21	0.762
MW - 1	02/04/10	2.30	<0.100	0.156	<0.100
MW - 1	05/07/10	2.94	<0.100	0.657	<0.100
MW - 1	08/06/10	2.76	<0.050	0.390	0.118
MW - 1	11/05/10	2.25	<0.0500	0.435	<0.0500
MW - 1	02/11/11	2.38	<0.0500	0.529	<0.0500
MW - 1	05/09/11	2.94	<0.0500	0.669	<0.0500
MW - 1	08/05/11	3.53	<0.0500	1.01	1.13
MW - 1	11/17/11	2.98	<0.020	1.30	0.092
MW - 1	02/28/12	3.20	<0.100	1.41	<0.100
MW - 1	05/03/12	2.34	<0.02	0.996	0.303
MW - 1	08/24/12	1.64	<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	0.216	<0.01
MW - 1	08/06/13	1.26	0.0118	0.266	0.0686
MW - 1	11/07/13	1.40	<0.0500	0.190	<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
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

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING L.P.
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109544011

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 1	02/17/16	0.203	<0.0500	0.177	0.343
MW - 1	05/26/16	PSH	-	-	-
MW - 1	08/04/16	PSH	-	-	-
MW - 1	11/29/16	PSH	-	-	-
MW - 1	02/27/17	PSH	-	-	-
MW - 1	05/18/17	1.39	0.0495	1.13	1.601
MW - 1	08/29/17	PSH	-	-	-
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 - 1	02/22/23	0.0279	0.00686	0.00422	0.0239
MW - 1	05/23/23	0.0176	0.00301	0.00231	0.00211
MW - 1	08/15/23	0.0104	0.00521	<0.00100	0.0138
MW - 1	11/15/23	0.00413	0.00184	0.00904	0.00592
MW - 1	02/15/24	0.00850	0.00244	<0.00100	0.0109
MW - 1	05/15/24	0.00378	0.00237	0.00250	0.00204
MW - 1	09/18/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 1	11/01/24	0.00752	0.00347	0.00233	0.0137
MW - 2	05/04/04	7.28	0.525	0.884	0.553
MW - 2	03/07/05	6.02	1.51	1.17	1.27
MW - 2	06/07/05	3.96	0.371	1.34	1.13
MW - 2	09/07/05	4.67	0.283	1.21	1.04
MW - 2	12/14/05	0.969	0.327	0.699	0.423
MW - 2	03/06/06	6.28	2.26	2.12	3.06
MW - 2	06/05/06	4.35	1.66	1.69	1.92
MW - 2	09/11/06	4.19	0.250	1.26	1.25
MW - 2	11/21/06	6.34	<0.1	1.38	1.14

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING L.P.
 TNM 98-05A
 SRS NO. TNM 98-05A
 LEA COUNTY, NEW MEXICO
 NMOCD INCIDENT NO. nAPP2109544011

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 2	02/20/07	5.74	2.10	1.64	2.06
MW - 2	05/15/07	4.64	0.361	1.75	1.52
MW - 2	08/09/07	4.99	0.271	1.28	0.98
MW - 2	11/13/07	8.74	0.735	0.626	2.83
MW - 2	02/14/08	4.09	0.575	3.90	3.64
MW - 2	05/16/08	5.69	0.665	2.19	1.96
MW - 2	08/19/08	3.47	0.117	1.37	0.946
MW - 2	11/19/08	1.63	<0.100	0.788	0.504
MW - 2	02/18/09	0.958	<0.100	0.238	0.100
MW - 2	05/19/09	2.34	<0.100	1.08	1.50
MW - 2	08/13/09	1.37	<0.100	0.841	1.04
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	1.21	<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	PSH	-	-	-
MW - 2	11/15/12	PSH	-	-	-
MW - 2	02/14/13	PSH	-	-	-
MW - 2	05/28/13	PSH	-	-	-
MW - 2	08/06/13	PSH	-	-	-
MW - 2	11/07/13	PSH	-	-	-
MW - 2	03/05/14	PSH	-	-	-
MW - 2	02/16/15	PSH	-	-	-
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	PSH	-	-	-
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
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

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING L.P.
 TNM 98-05A
 SRS NO. TNM 98-05A
 LEA COUNTY, NEW MEXICO
 NMOCD INCIDENT NO. nAPP2109544011

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 2	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	0.0595
MW - 2	08/27/20	0.174	0.00732	0.0327	0.0523
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 - 2	02/22/23	0.0807	0.0126	0.0147	0.0567
MW - 2	05/23/23	0.868	0.249	0.902	2.107
MW - 2	08/15/23	0.171	0.0447	0.316	0.963
MW - 2	11/15/23	PSH	-	-	-
MW - 2	02/15/24	0.0544	0.0190	0.0845	0.368
MW - 2	05/15/24	0.128	0.0107	0.0735	0.207
MW - 2	09/18/24	0.0707	0.0200	0.0235	0.146
MW - 2	11/01/24	0.0283	0.00382	0.00598	0.0138
MW - 3	03/09/00	0.015	0.0120	0.0020	0.0020
MW - 3	05/11/00	0.056	0.0480	0.0060	0.0060
MW - 3	09/12/00	0.056	0.0480	0.0060	0.0050
MW - 3	12/14/00	0.013	0.0140	0.0020	0.0020
MW - 3	03/21/01	0.073	0.0740	0.0110	0.0120
MW - 3	05/30/01	0.069	<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	0.022	0.0250	0.0040	0.0040
MW - 3	05/20/02	0.040	0.0413	0.0078	0.0090
MW - 3	09/24/02	0.040	0.0300	0.0070	0.0080
MW - 3	11/13/02	0.045	0.0420	0.0060	0.0080
MW - 3	02/06/03	0.0040	0.0070	0.0020	0.0020
MW - 3	05/08/03	0.0050	0.0080	0.0020	0.0020
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
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

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING L.P.
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109544011

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 3	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	NS	-	-	-
MW - 3	05/28/13	NS	-	-	-
MW - 3	08/06/13	NS	-	-	-
MW - 3	11/07/13	<0.001	<0.001	<0.001	<0.00300
MW - 3	03/05/14	NS	-	-	-
MW - 3	11/15/14	<0.00100	<0.00100	<0.00100	<0.00100
MW - 3	02/16/15	NS	-	-	-
MW - 3	05/28/15	NS	-	-	-
MW - 3	08/26/15	NS	-	-	-
MW - 3	11/20/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 3	02/17/16	NS	-	-	-
MW - 3	05/26/16	NS	-	-	-
MW - 3	08/04/16	NS	-	-	-
MW - 3	11/29/16	<0.00200	<0.00200	<0.00200	<0.00200
MW - 3	02/27/17	NS	-	-	-
MW - 3	05/18/17	NS	-	-	-

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING L.P.
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109544011

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 3	08/29/17	NS	-	-	-
MW - 3	11/07/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 3	02/22/18	NS	-	-	-
MW - 3	05/23/18	NS	-	-	-
MW - 3	08/29/18	NS	-	-	-
MW - 3	11/29/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 3	03/05/19	NS	-	-	-
MW - 3	06/11/19	NS	-	-	-
MW - 3	08/15/19	NS	-	-	-
MW - 3	11/25/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 3	02/25/20	NS	-	-	-
MW - 3	06/15/20	NS	-	-	-
MW - 3	08/27/20	NS	-	-	-
MW - 3	12/01/20	<0.00100	<0.00100	<0.00100	<0.00200
MW - 3	02/04/21	NS	-	-	-
MW - 3	06/17/21	NS	-	-	-
MW - 3	09/24/21	NS	-	-	-
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 - 3	02/21/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 3	05/23/23	<0.00100	<0.00100	0.00390	0.01244
MW - 3	08/15/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 3	11/16/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 3	02/16/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 3	05/15/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 3	09/17/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 3	10/31/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 4	03/09/00	0.152	0.0660	0.0190	0.0150
MW - 4	05/11/00	0.285	0.1100	0.0320	0.0210
MW - 4	09/12/00	0.269	0.0680	0.0260	0.0060
MW - 4	12/14/00	0.246	0.0210	0.0090	0.0080
MW - 4	03/21/01	0.189	0.0860	0.0200	0.0160
MW - 4	05/30/01	0.107	<0.005	0.0188	<0.005
MW - 4	09/25/01	0.463	0.0280	0.0090	0.0120
MW - 4	11/17/01	0.335	0.0200	0.0070	0.0090
MW - 4	02/20/02	1.090	0.0460	0.0110	0.0080
MW - 4	05/20/02	0.919	0.0414	0.0080	0.0160
MW - 4	09/24/02	0.117	0.0200	0.0030	0.0040
MW - 4	11/13/02	0.082	0.0730	0.0100	0.0110
MW - 4	02/06/03	0.0020	0.0040	<0.001	0.0010
MW - 4	05/08/03	0.016	0.0020	<0.001	<0.001
MW - 4	08/19/03	0.031	0.0020	<0.001	<0.001

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING L.P.
 TNM 98-05A
 SRS NO. TNM 98-05A
 LEA COUNTY, NEW MEXICO
 NMOCD INCIDENT NO. nAPP2109544011

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 4	11/07/03	0.0040	<0.001	<0.001	0.0050
MW - 4	02/09/04	0.370	0.0030	0.0050	0.0040
MW - 4	05/04/04	0.013	<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	NS	-	-	-
MW - 4	03/06/06	P&A	-	-	-
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	NS	-	-	-
MW - 5	06/07/05	NS	-	-	-
MW - 5	09/07/05	NS	-	-	-
MW - 5	12/14/05	<0.005	<0.005	<0.005	<0.005
MW - 5	03/06/06	NS	-	-	-
MW - 5	06/05/06	NS	-	-	-
MW - 5	09/11/06	NS	-	-	-
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	NS	-	-	-
MW - 5	08/09/07	NS	-	-	-
MW - 5	11/13/07	<0.001	<0.001	<0.001	<0.001
MW - 5	02/14/08	NS	-	-	-
MW - 5	05/16/08	<0.001	<0.001	<0.001	<0.001
MW - 5	08/19/08	NS	-	-	-
MW - 5	11/19/08	<0.001	<0.001	<0.001	<0.001
MW - 5	02/18/09	NS	-	-	-

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING L.P.
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109544011

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 5	05/19/09	<0.001	<0.001	<0.001	<0.001
MW - 5	08/13/09	NS	-	-	-
MW - 5	11/11/09	<0.001	<0.001	<0.001	<0.001
MW - 5	02/04/10	NS	-	-	-
MW - 5	05/07/10	<0.001	<0.001	<0.001	<0.001
MW - 5	08/06/10	NS	-	-	-
MW - 5	11/05/10	<0.001	<0.001	<0.001	<0.001
MW - 5	02/11/11	NS	-	-	-
MW - 5	05/09/11	<0.001	<0.001	<0.001	<0.001
MW - 5	08/05/11	NS	-	-	-
MW - 5	11/17/11	<0.001	<0.001	<0.001	<0.001
MW - 5	02/28/12	NS	-	-	-
MW - 5	05/03/12	<0.001	<0.001	<0.001	<0.001
MW - 5	08/24/12	NS	-	-	-
MW - 5	11/15/12	<0.001	<0.001	<0.001	<0.001
MW - 5	02/14/13	NS	-	-	-
MW - 5	05/28/13	NS	-	-	-
MW - 5	08/06/13	NS	-	-	-
MW - 5	11/07/13	<0.001	<0.001	<0.001	<0.00300
MW - 5	03/05/14	NS	-	-	-
MW - 5	11/15/14	<0.00100	<0.00100	<0.00100	<0.00100
MW - 5	02/16/15	NS	-	-	-
MW - 5	05/28/15	NS	-	-	-
MW - 5	08/26/15	NS	-	-	-
MW - 5	11/20/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 5	02/17/16	NS	-	-	-
MW - 5	05/26/16	NS	-	-	-
MW - 5	08/04/16	NS	-	-	-
MW - 5	11/29/16	<0.00200	<0.00200	<0.00200	<0.00200
MW - 5	02/27/17	NS	-	-	-
MW - 5	05/18/17	NS	-	-	-
MW - 5	08/29/17	NS	-	-	-
MW - 5	11/07/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 5	02/22/18	NS	-	-	-
MW - 5	05/23/18	NS	-	-	-
MW - 5	08/29/18	NS	-	-	-
MW - 5	11/29/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 5	03/05/19	NS	-	-	-
MW - 5	06/11/19	NS	-	-	-
MW - 5	08/15/19	NS	-	-	-
MW - 5	11/25/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 5	02/25/20	NS	-	-	-
MW - 5	06/15/20	NS	-	-	-
MW - 5	08/27/20	NS	-	-	-
MW - 5	12/01/20	<0.00100	<0.00100	<0.00100	<0.00200
MW - 5	02/04/21	NS	-	-	-

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING L.P.
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109544011

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 5	06/17/21	NS	-	-	-
MW - 5	09/24/21	NS	-	-	-
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 - 5	02/21/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 5	05/23/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 5	08/15/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 5	11/16/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 5	02/16/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 5	05/15/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 5	09/17/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 5	10/31/24	<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
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	NS	-	-	-
MW - 6	06/07/05	<0.001	<0.001	<0.001	
MW - 6	09/07/05	NS	-	-	-
MW - 6	12/14/05	<0.005	<0.005	<0.005	<0.005
MW - 6	03/06/06	NS	-	-	-
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	NS	-	-	-
MW - 6	11/13/07	<0.001	<0.001	<0.001	<0.001

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING L.P.
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109544011

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 6	02/14/08	NS	-	-	-
MW - 6	05/16/08	<0.001	<0.001	<0.001	<0.001
MW - 6	08/19/08	NS	-	-	-
MW - 6	11/19/08	<0.001	<0.001	<0.001	<0.001
MW - 6	02/18/09	NS	-	-	-
MW - 6	05/19/09	<0.001	<0.001	<0.001	<0.001
MW - 6	08/13/09	NS	-	-	-
MW - 6	11/11/09	<0.001	<0.001	<0.001	<0.001
MW - 6	02/04/10	NS	-	-	-
MW - 6	05/07/10	<0.001	<0.001	<0.001	<0.001
MW - 6	08/06/10	NS	-	-	-
MW - 6	11/05/10	<0.001	<0.001	<0.001	<0.001
MW - 6	02/11/11	NS	-	-	-
MW - 6	05/09/11	<0.001	<0.001	<0.001	<0.001
MW - 6	08/05/11	NS	-	-	-
MW - 6	11/17/11	<0.001	<0.001	<0.001	<0.001
MW - 6	02/28/12	NS	-	-	-
MW - 6	05/03/12	<0.001	<0.001	<0.001	<0.001
MW - 6	08/24/12	NS	-	-	-
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
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

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING L.P.
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109544011

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 6	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	NS	-	-	-
MW - 6	08/27/20	<0.00100	<0.00100	<0.00100	<0.00200
MW - 6	12/01/20	NS	-	-	-
MW - 6	02/04/21	NS	-	-	-
MW - 6	06/17/21	<0.00100	<0.00100	<0.00100	<0.00200
MW - 6	09/24/21	NS	-	-	-
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 - 6	02/21/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 6	05/23/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 6	08/15/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 6	11/16/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 6	02/16/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 6	05/15/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 6	09/17/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 6	10/31/24	<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
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	NS	-	-	-
MW - 7	06/07/05	<0.001	<0.001	<0.001	<0.001

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING L.P.
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109544011

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 7	09/07/05	NS	-	-	-
MW - 7	12/14/05	<0.005	<0.005	<0.005	<0.005
MW - 7	03/06/06	NS	-	-	-
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	NS	-	-	-
MW - 7	11/13/07	<0.001	<0.001	<0.001	<0.001
MW - 7	02/14/08	NS	-	-	-
MW - 7	05/16/08	<0.001	<0.001	<0.001	<0.001
MW - 7	08/19/08	NS	-	-	-
MW - 7	11/19/08	<0.001	<0.001	<0.001	<0.001
MW - 7	02/18/09	NS	-	-	-
MW - 7	05/19/09	<0.001	<0.001	<0.001	<0.001
MW - 7	08/13/09	NS	-	-	-
MW - 7	11/11/09	<0.001	<0.001	<0.001	<0.001
MW - 7	02/04/10	NS	-	-	-
MW - 7	05/07/10	<0.001	<0.001	<0.001	<0.001
MW - 7	08/06/10	NS	-	-	-
MW - 7	11/05/10	<0.001	<0.001	<0.001	<0.001
MW - 7	02/11/11	NS	-	-	-
MW - 7	05/09/11	<0.001	<0.001	<0.001	<0.001
MW - 7	08/05/11	NS	-	-	-
MW - 7	11/17/11	<0.001	<0.001	<0.001	<0.001
MW - 7	02/28/12	NS	-	-	-
MW - 7	05/03/12	<0.001	<0.001	<0.001	<0.001
MW - 7	08/24/12	NS	-	-	-
MW - 7	11/15/12	<0.001	<0.001	<0.001	<0.001
MW - 7	02/14/13	NS	-	-	-
MW - 7	05/28/13	<0.001	<0.001	<0.001	<0.001
MW - 7	08/06/13	NS	-	-	-
MW - 7	11/07/13	<0.001	<0.001	<0.001	<0.00300
MW - 7	03/05/14	NS	-	-	-
MW - 7	05/29/14	<0.001	<0.001	<0.001	<0.00100
MW - 7	11/15/14	<0.00100	<0.00100	<0.00100	<0.00100
MW - 7	02/16/15	NS	-	-	-
MW - 7	05/28/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 7	08/26/15	NS	-	-	-
MW - 7	11/20/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 7	02/17/16	NS	-	-	-
MW - 7	05/26/16	<0.00100	<0.00100	<0.00100	<0.00100
MW - 7	08/04/16	NS	-	-	-
MW - 7	11/29/16	<0.00200	<0.00200	<0.00200	<0.00200
MW - 7	02/27/17	NS	-	-	-

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING L.P.
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109544011

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 7	05/18/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 7	08/29/17	NS	-	-	-
MW - 7	11/07/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 7	02/22/18	NS	-	-	-
MW - 7	05/22/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 7	08/29/18	NS	-	-	-
MW - 7	11/29/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 7	03/05/19	NS	-	-	-
MW - 7	06/11/19	<0.00100	<0.00100	<0.00100	<0.0200
MW - 7	08/15/19	NS	-	-	-
MW - 7	11/25/19	<0.00100	<0.00100	<0.00100	<0.0200
MW - 7	02/25/20	NS	-	-	-
MW - 7	06/15/20	NS	-	-	-
MW - 7	08/27/20	NS	-	-	-
MW - 7	12/01/20	<0.00100	<0.00100	<0.00100	<0.0200
MW - 7	02/04/21	NS	-	-	-
MW - 7	06/17/21	NS	-	-	-
MW - 7	09/24/21	NS	-	-	-
MW - 7	12/01/21	<0.00100	<0.00100	<0.00100	<0.0200
MW - 7	03/02/22	NS	-	-	-
MW - 7	05/25/22	NS	-	-	-
MW - 7	09/14/22	0.00210	0.00361	0.00133	0.00707
MW - 7	11/29/22	NS	-	-	-
MW - 7	02/21/23	NS	-	-	-
MW - 7	05/23/23	NS	-	-	-
MW - 7	08/15/23	NS	-	-	-
MW - 7	11/15/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 7	02/16/24	NS	-	-	-
MW - 7	05/15/24	NS	-	-	-
MW - 7	09/16/24	NS	-	-	-
MW - 7	11/01/24	<0.00100	<0.00100	<0.00100	<0.00200
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

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING L.P.
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109544011

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 8	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	NS	-	-	-
MW - 8	06/07/05	NS	-	-	-
MW - 8	09/07/05	NS	-	-	-
MW - 8	12/14/05	<0.005	<0.005	<0.005	
MW - 8	03/06/06	NS	-	-	-
MW - 8	06/05/06	NS	-	-	-
MW - 8	09/11/06	NS	-	-	-
MW - 8	11/21/06	<0.001	<0.001	<0.001	
MW - 8	02/20/07	<0.001	<0.001	<0.001	
MW - 8	06/21/07	NS	-	-	-
MW - 8	08/09/07	NS	-	-	-
MW - 8	11/13/07	<0.001	<0.001	<0.001	
MW - 8	02/14/08	NS	-	-	-
MW - 8	05/16/08	NS	-	-	-
MW - 8	08/19/08	NS	-	-	-
MW - 8	11/19/08	<0.001	<0.001	<0.001	<0.001
MW - 8	02/18/09	NS	-	-	-
MW - 8	05/19/09	NS	-	-	-
MW - 8	08/13/09	NS	-	-	-
MW - 8	11/11/09	<0.001	<0.001	<0.001	<0.001
MW - 8	02/04/10	NS	-	-	-
MW - 8	05/07/10	NS	-	-	-
MW - 8	08/06/10	NS	-	-	-
MW - 8	11/05/10	<0.001	<0.001	<0.001	<0.001
MW - 8	02/11/11	NS	-	-	-
MW - 8	05/09/11	NS	-	-	-
MW - 8	08/05/11	NS	-	-	-
MW - 8	11/17/11	<0.001	<0.001	<0.001	<0.001
MW - 8	02/28/12	NS	-	-	-
MW - 8	05/03/12	NS	-	-	-
MW - 8	11/15/12	NS	-	-	-
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

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING L.P.
 TNM 98-05A
 SRS NO. TNM 98-05A
 LEA COUNTY, NEW MEXICO
 NMOCD INCIDENT NO. nAPP2109544011

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 8	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	NS	-	-	-
MW - 8	08/27/20	NS	-	-	-
MW - 8	12/01/20	NS	-	-	-
MW - 8	02/04/21	NS	-	-	-
MW - 8	06/17/21	<0.00100	<0.00100	<0.00100	<0.00200
MW - 8	09/24/21	NS	-	-	-
MW - 8	12/01/21	NS	-	-	-
MW - 8	03/02/22	NS	-	-	-
MW - 8	05/25/22	NS	-	-	-
MW - 8	09/14/22	0.00564	0.0162	0.00702	0.02884
MW - 8	11/29/22	NS	-	-	-
MW - 8	02/21/23	NS	-	-	-
MW - 8	05/23/23	NS	-	-	-
MW - 8	08/15/23	NS	-	-	-
MW - 8	11/15/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 8	02/16/24	NS	-	-	-
MW - 8	05/15/24	NS	-	-	-
MW - 8	09/16/24	NS	-	-	-
MW - 8	11/11/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 9	03/09/00	0.029	0.0090	0.0280	0.0260
MW - 9	05/11/00	0.056	0.0340	0.0080	0.0130
MW - 9	09/12/00	0.232	0.0310	0.0060	0.0090
MW - 9	12/14/00	0.030	0.0150	0.0030	0.0020
MW - 9	03/21/01	0.158	0.0810	0.0160	0.0125
MW - 9	05/30/01	0.532	<0.005	<0.005	<0.005
MW - 9	09/25/01	0.490	0.2120	0.1610	0.1320

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING L.P.
 TNM 98-05A
 SRS NO. TNM 98-05A
 LEA COUNTY, NEW MEXICO
 NMOCD INCIDENT NO. nAPP2109544011

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 9	11/17/01	0.014	0.0470	0.0250	0.0300
MW - 9	02/20/02	0.158	0.0420	0.0460	0.0520
MW - 9	05/08/03	0.446	0.1880	0.3690	0.6380
MW - 9	08/19/03	0.060	0.0050	0.0430	0.0990
MW - 9	11/07/03	0.076	0.0010	0.0030	0.0120
MW - 9	02/09/04	0.015	0.0130	0.0090	0.0200
MW - 9	05/04/04	0.303	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
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	0.103	0.0961	0.0914	0.2710
MW - 9	11/15/12	<0.001	<0.001	<0.001	<0.001
MW - 9	02/14/13	NS	-	-	-
MW - 9	05/28/13	<0.001	<0.001	<0.001	<0.001
MW - 9	08/06/13	NS	-	-	-
MW - 9	11/07/13	<0.001	<0.001	<0.001	<0.00300
MW - 9	03/05/14	NS	-	-	-

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING L.P.
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109544011

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 9	05/29/14	<0.001	<0.001	<0.001	<0.00300
MW - 9	11/12/14	<0.00100	<0.00100	<0.00100	<0.00100
MW - 9	02/16/15	NS	-	-	-
MW - 9	05/28/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 9	08/26/15	NS	-	-	-
MW - 9	11/20/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 9	02/17/16	NS	-	-	-
MW - 9	05/26/16	<0.00100	<0.00100	<0.00100	<0.00100
MW - 9	08/04/16	NS	-	-	-
MW - 9	11/29/16	<0.00200	<0.00200	<0.00200	<0.00200
MW - 9	02/27/17	NS	-	-	-
MW - 9	05/18/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 9	08/29/17	NS	-	-	-
MW - 9	11/07/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 9	02/22/18	NS	-	-	-
MW - 9	05/22/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 9	08/29/18	NS	-	-	-
MW - 9	11/29/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 9	03/05/19	NS	-	-	-
MW - 9	06/11/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 9	08/15/19	NS	-	-	-
MW - 9	11/25/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 9	02/25/20	NS	-	-	-
MW - 9	06/15/20	NS	-	-	-
MW - 9	08/27/20	NS	-	-	-
MW - 9	12/01/20	<0.00100	<0.00100	<0.00100	<0.00200
MW - 9	02/04/21	NS	-	-	-
MW - 9	06/17/21	NS	-	-	-
MW - 9	09/24/21	NS	-	-	-
MW - 9	12/01/21	<0.00100	<0.00100	<0.00100	<0.00200
MW - 9	03/02/22	NS	-	-	-
MW - 9	05/25/22	NS	-	-	-
MW - 9	09/14/22	0.00129	0.00204	<0.00100	0.0220
MW - 9	11/29/22	NS	-	-	-
MW - 9	02/21/23	NS	-	-	-
MW - 9	05/23/23	NS	-	-	-
MW - 9	08/15/23	NS	-	-	-
MW - 9	11/15/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 9	02/16/24	NS	-	-	-
MW - 9	05/15/24	NS	-	-	-
MW - 9	09/16/24	NS	-	-	-
MW - 9	11/01/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 10	05/04/04	4.23	0.1990	0.888	0.779
MW - 10	03/07/05	5.69	0.4910	0.984	0.908
MW - 10	06/07/05	4.35	0.0618	0.510	0.264

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING L.P.
 TNM 98-05A
 SRS NO. TNM 98-05A
 LEA COUNTY, NEW MEXICO
 NMOCD INCIDENT NO. nAPP2109544011

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 10	09/07/05	5.63	<0.2	1.79	1.18
MW - 10	12/14/05	2.32	<0.05	<0.05	0.168
MW - 10	03/06/06	4.93	0.3510	1.39	1.40
MW - 10	06/05/06	2.05	0.0457	0.792	0.460
MW - 10	09/11/06	5.45	0.1050	1.42	1.07
MW - 10	11/21/06	6.56	<0.1	1.42	1.19
MW - 10	02/20/07	5.40	<0.1	1.29	1.13
MW - 10	05/15/07	6.81	<0.100	3.23	2.18
MW - 10	08/09/07	7.19	<0.100	1.47	0.894
MW - 10	11/13/07	13.5	<0.100	2.89	1.50
MW - 10	02/14/08	6.99	<0.100	1.76	0.995
MW - 10	05/16/08	4.72	<0.0500	0.896	0.327
MW - 10	08/19/08	7.89	<0.100	1.94	1.02
MW - 10	11/19/08	6.22	<0.100	1.42	1.00
MW - 10	02/18/09	6.32	<0.001	1.07	0.271
MW - 10	05/19/09	6.00	<0.100	1.70	1.74
MW - 10	08/13/09	6.82	<0.100	1.69	1.40
MW - 10	11/11/09	6.56	<0.100	1.75	0.748
MW - 10	02/04/10	5.49	<0.100	1.07	0.218
MW - 10	05/07/10	6.08	<0.100	1.13	0.700
MW - 10	08/06/10	8.45	<0.050	1.18	0.397
MW - 10	11/05/10	5.40	<0.0500	1.14	0.641
MW - 10	02/11/11	7.76	<0.0500	1.50	1.25
MW - 10	05/09/11	9.73	<0.0500	1.59	0.984
MW - 10	08/05/11	9.42	<0.0500	1.47	0.973
MW - 10	11/17/11	5.68	<0.0500	0.630	<0.050
MW - 10	02/28/12	PSH	-	-	-
MW - 10	05/03/12	PSH	-	-	-
MW - 10	08/24/12	PSH	-	-	-
MW - 10	11/15/12	PSH	-	-	-
MW - 10	02/14/13	PSH	-	-	-
MW - 10	05/28/13	PSH	-	-	-
MW - 10	08/06/13	PSH	-	-	-
MW - 10	02/16/15	PSH	-	-	-
MW - 10	05/28/15	PSH	-	-	-
MW - 10	08/26/15	PSH	-	-	-
MW - 10	11/20/15	PSH	-	-	-
MW - 10	02/17/16	PSH	-	-	-
MW - 10	05/26/16	PSH	-	-	-
MW - 10	08/04/16	0.440	<0.0500	0.155	0.206
MW - 10	11/29/16	PSH	-	-	-
MW - 10	02/27/17	PSH	-	-	-
MW - 10	05/18/17	PSH	-	-	-
MW - 10	08/29/17	PSH	-	-	-
MW - 10	11/07/17	PSH	-	-	-
MW - 10	02/22/18	PSH	-	-	-

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING L.P.
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109544011

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 10	05/23/18	0.312	<0.0100	0.167	0.2113
MW - 10	08/29/18	PSH	-	-	-
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
MW - 10	11/29/22	0.0314	0.00174	0.00273	0.00569
MW - 10	02/21/23	0.0879	0.00383	0.00615	0.01682
MW - 10	05/23/23	0.0454	0.00325	0.00362	0.01033
MW - 10	08/15/23	0.132	0.00243	0.00374	0.02602
MW - 10	11/16/23	0.0213	0.00203	0.00154	0.00537
MW - 10	02/15/24	0.0236	0.00344	0.0014	0.0046
MW - 10	05/15/24	0.0329	0.0182	0.0209	0.0386
MW - 10	09/17/24	0.0259	0.0030	0.00533	0.0104
MW - 10	10/31/24	0.0527	0.00633	0.00578	0.0211
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	NS	-	-	-
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

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING L.P.
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109544011

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 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	NS	-	-	-
MW - 11	05/28/13	<0.001	<0.001	<0.001	
MW - 11	08/06/13	NS	-	-	-
MW - 11	11/07/13	<0.001	<0.001	<0.001	<0.00300
MW - 11	02/10/14	NS	-	-	-
MW - 11	05/29/14	<0.001	<0.001	<0.001	<0.00300
MW - 11	11/15/14	<0.00100	<0.00100	<0.00100	<0.00100
MW - 11	02/16/15	NS	-	-	-
MW - 11	05/28/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 11	08/26/15	NS	-	-	-
MW - 11	11/20/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 11	02/17/16	NS	-	-	-
MW - 11	05/26/16	<0.00100	<0.00100	<0.00100	<0.00100
MW - 11	08/04/16	NS	-	-	-
MW - 11	11/29/16	<0.00200	<0.00200	<0.00200	<0.00200
MW - 11	02/27/17	NS	-	-	-
MW - 11	05/18/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 11	08/29/17	NS	-	-	-
MW - 11	11/07/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 11	02/22/18	NS	-	-	-
MW - 11	05/23/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 11	08/29/18	NS	-	-	-
MW - 11	11/29/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 11	03/05/19	NS	-	-	-
MW - 11	06/11/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 11	08/15/19	NS	-	-	-
MW - 11	11/25/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 11	02/25/20	NS	-	-	-
MW - 11	06/15/20	NS	-	-	-
MW - 11	08/27/20	NS	-	-	-
MW - 11	12/01/20	<0.00100	<0.00100	<0.00100	<0.00200

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING L.P.
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109544011

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 11	02/04/21	NS	-	-	-
MW - 11	06/17/21	NS	-	-	-
MW - 11	09/24/21	NS	-	-	-
MW - 11	12/01/21	<0.00100	<0.00100	<0.00100	<0.00200
MW - 11	03/02/22	NS	-	-	-
MW - 11	05/25/22	NS	-	-	-
MW - 11	09/14/22	<0.00100	0.00150	<0.00100	<0.00200
MW - 11	11/29/22	NS	-	-	-
MW - 11	02/21/23	NS	-	-	-
MW - 11	05/23/23	NS	-	-	-
MW - 11	08/15/23	NS	-	-	-
MW - 11	11/15/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 11	02/15/24	NS	-	-	-
MW - 11	05/15/24	NS	-	-	-
MW - 11	09/16/24	NS	-	-	-
MW - 11	11/01/24	<0.00100	<0.00100	<0.00100	<0.00200
MW-12	02/07/14	-	-	-	-
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
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

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING L.P.
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109544011

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW-12	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-12	02/21/23	<0.00100	<0.00100	<0.00100	<0.00200
MW-12	05/23/23	<0.00100	<0.00100	<0.00100	<0.00200
MW-12	08/15/23	<0.00100	<0.00100	<0.00100	<0.00200
MW-12	11/16/23	<0.00100	<0.00100	<0.00100	<0.00200
MW-12	02/16/24	<0.00100	<0.00100	<0.00100	<0.00200
MW-12	05/15/24	<0.00100	<0.00100	<0.00100	<0.00200
MW-12	09/17/24	<0.00100	<0.00100	<0.00100	<0.00200
MW-12	10/31/24	<0.00100	<0.00100	<0.00100	<0.00200
MW-13	02/07/14	-	-	-	-
MW-13	03/06/14	PSH	-	-	-
MW-13	05/29/14	PSH	-	-	-
MW-13	08/12/14	PSH	-	-	-
MW-13	11/15/14	PSH	-	-	-
MW-13	02/16/15	PSH	-	-	-
MW-13	05/28/15	PSH	-	-	-
MW-13	08/26/15	PSH	-	-	-
MW-13	11/20/15	PSH	-	-	-
MW-13	02/17/16	PSH	-	-	-
MW-13	05/26/16	PSH	-	-	-
MW-13	08/04/16	PSH	-	-	-
MW-13	11/29/16	PSH	-	-	-
MW-13	02/27/17	PSH	-	-	-
MW-13	05/18/17	PSH	-	-	-
MW-13	08/29/17	PSH	-	-	-
MW-13	11/07/17	PSH	-	-	-
MW-13	02/22/18	PSH	-	-	-
MW-13	05/23/18	PSH	-	-	-
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

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING L.P.
 TNM 98-05A
 SRS NO. TNM 98-05A
 LEA COUNTY, NEW MEXICO
 NMOCD INCIDENT NO. nAPP2109544011

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW-13	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
MW-13	02/21/23	2.80	0.00643	0.0515	0.02431
MW-13	05/23/23	5.02	0.00280	0.0243	0.01417
MW-13	08/15/23	2.78	0.00152	0.0158	0.00551
MW-13	11/16/23	2.97	0.00253	0.0269	0.0221
MW-13	02/16/24	2.90	0.00250	0.0126	0.0136
MW-13	05/15/24	2.63	0.00250	0.0131	0.0101
MW-13	09/17/24	1.80	0.00170	0.0119	0.0166
MW-13	10/31/24	1.83	0.00392	0.0066	0.00776

Notes:

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

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCID INCIDENT NO. nAPP2109544011

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
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	<0.000917	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	<0.000917	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	<0.00188	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	<0.000185	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	<0.000189	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	<0.000200	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	<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	<0.000200
MW-1	11/29/16	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	NS																		
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-1	11/15/23	0.00055	0.00069	0.00061	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	0.0013	<0.00011	0.0028	<0.00011	0.0095			-
MW-1	12/03/24	<0.000083	<0.000083	<0.000083	<0.000083	<0.000083	<0.000083	<0.000083	<0.000083	<0.000083	<0.000083	<0.000083	0.0053	<0.000083	0.0081	<0.000083	0.072			-
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	PSH																		
MW-2	11/07/13	PSH																		
MW-2	11/15/14	PSH																		
MW-2	11/20/15	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	NS																		
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	0.00097	<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
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109544011

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	0.0012	<0.00010	0.0038	<0.00010	0.00284		-		
MW-2	11/15/23	NS																		
MW-2	12/03/24	<0.000083	<0.000083	<0.000083	<0.000083	<0.000083	<0.000083	<0.000083	<0.000083	<0.000083	<0.000083	0.0038	<0.000083	0.0038	<0.000083	0.0202		-		
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	0.00022	<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	NS																		
MW-3	12/16/11	NS																		
MW-3	11/15/12	NS																		
MW-3	11/07/13	NS																		
MW-3	11/15/14	NS																		
MW-3	11/20/15	NS																		
MW-3	11/29/16	NS																		
MW-3	11/07/17	NS																		
MW-3	11/29/18	NS																		
MW-3	11/25/19	NS																		
MW-3	12/01/20	NS																		
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	NS																		
MW-3	11/15/23	NS																		
MW-3	10/31/24	NS																		
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	NS																		
MW-5	12/16/11	NS																		
MW-5	11/15/12	NS																		
MW-5	11/07/13	NS																		
MW-5	11/15/14	NS																		
MW-5	11/20/15	NS																		
MW-5	11/29/16	NS																		
MW-5	11/07/17	NS																		

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109544011

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	11/29/18	NS																		
MW-5	11/25/19	NS																		
MW-5	12/01/20	NS																		
MW-5	12/02/21	NS																		
MW-5	11/29/22	NS																		
MW-5	11/15/23	NS																		
MW-5	10/31/24	NS																		
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	NS																		
MW-6	12/16/11	NS																		
MW-6	11/07/13	NS																		
MW-6	11/15/14	NS																		
MW-6	11/20/15	NS																		
MW-6	11/29/16	NS																		
MW-6	11/07/17	NS																		
MW-6	11/29/18	NS																		
MW-6	11/25/19	NS																		
MW-6	12/01/20	NS																		
MW-6	12/02/21	NS																		
MW-6	11/29/22	NS																		
MW-6	11/15/23	NS																		
MW-6	10/31/24	NS																		
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	NS																		
MW-7	12/16/11	NS																		
MW-7	11/07/13	NS																		
MW-7	11/15/14	NS																		
MW-7	11/20/15	NS																		

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109544011

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-7	11/29/16	NS																		
MW-7	11/07/17	NS																		
MW-7	11/29/18	NS																		
MW-7	11/25/19	NS																		
MW-7	12/01/20	NS																		
MW-7	12/01/21	NS																		
MW-7	11/28/22	NS																		
MW-7	11/15/23	NS																		
MW-7	10/31/24	NS																		
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	
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	
MW-8	11/05/10	NS																		
MW-8	12/16/11	NS																		
MW-8	11/15/12	NS																		
MW-8	11/07/13	NS																		
MW-8	11/15/14	NS																		
MW-8	11/20/15	NS																		
MW-8	11/29/16	NS																		
MW-8	11/07/17	NS																		
MW-8	11/29/18	NS																		
MW-8	11/25/19	NS																		
MW-8	12/01/20	NS																		
MW-8	12/01/21	NS																		
MW-8	11/28/22	NS																		
MW-8	11/15/23	NS																		
MW-8	10/31/24	NS																		
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	NS																		
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	

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCID INCIDENT NO. nAPP2109544011

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	11/15/12	<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	
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	
MW-9	11/15/14	NS																		
MW-9	11/20/15	NS																		
MW-9	11/29/16	NS																		
MW-9	11/07/17	NS																		
MW-9	11/29/18	NS																		
MW-9	11/25/19	NS																		
MW-9	12/01/20	NS																		
MW-9	12/01/21	NS																		
MW-9	11/29/22	NS																		
MW-9	11/15/23	NS																		
MW-9	10/31/24	NS																		
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	PSH																		
MW-10	11/07/13	PSH																		
MW-10	11/15/14	PSH																		
MW-10	11/20/15	PSH																		
MW-10	11/29/16	PSH																		
MW-10	11/07/17	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-10	11/16/23	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.0018	<0.00010	0.00098	<0.00010	0.009		-	
MW-10	10/31/24	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.0039	<0.00010	0.0041	<0.00010	0.0346		-	

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109544011

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	11/19/08	<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-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	
MW-11	11/05/10	NS																		
MW-11	12/16/11	NS																		
MW-11	11/15/12	NS																		
MW-11	11/07/13	NS																		
MW-11	11/15/14	NS																		
MW-11	11/20/15	NS																		
MW-11	11/29/16	NS																		
MW-11	11/07/17	NS																		
MW-11	11/29/18	NS																		
MW-11	11/25/19	NS																		
MW-11	12/01/20	NS																		
MW-11	12/01/21	NS																		
MW-11	11/28/22	NS																		
MW-11	11/15/23	NS																		
MW-11	10/31/24	NS																		
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	
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	
MW-12	11/20/15	NS																		
MW-12	11/29/16	NS																		
MW-12	11/07/17	NS																		
MW-12	11/29/18	NS																		
MW-12	11/25/19	NS																		
MW-12	12/01/20	NS																		
MW-12	12/02/21	NS																		
MW-12	11/29/22	NS																		
MW-12	11/15/23	NS																		
MW-12	10/31/24	NS																		

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 98-05A
SRS NO. TNM 98-05A
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109544011

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		---	---	0.001 mg/L	0.0001 mg/L	0.0007 mg/L	0.001 mg/L	---	0.001 mg/L	0.0002 mg/L	0.0003 mg/L	0.001 mg/L	0.001 mg/L	0.0004 mg/L	0.001 mg/L	0.001 mg/L	0.03 mg/L		---	
MW-13	03/05/14	PSH																		
MW-13	11/15/14	PSH																		
MW-13	11/20/15	PSH																		
MW-13	11/29/16	PSH																		
MW-13	11/07/17	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	NS																		
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	-		
MW-13	11/16/23	0.00022	<0.00010	0.00059	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.0014	<0.00010	0.00052	<0.00010	0.0296	-		
MW-13	10/31/24	0.00022	<0.00010	0.00011	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.0013	<0.00010	0.00087	<0.00010	0.0104	-		

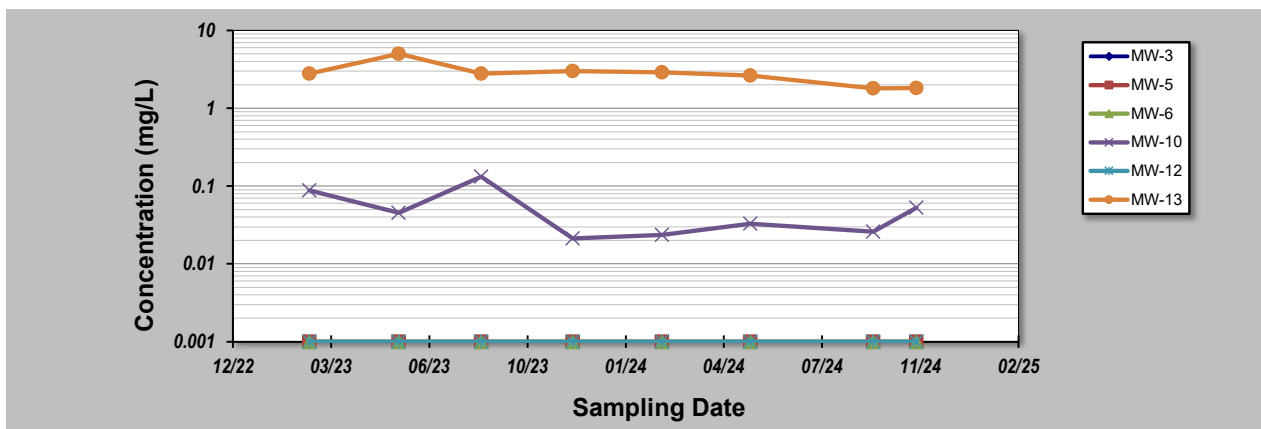
Notes:

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

Table 7

GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date:	4-Feb-25			Job ID:	014180			
Facility Name:	TNM 98-05A			Constituent:	Benzene			
Conducted By:	TRC			Concentration Units:	mg/L			
Sampling Point ID:		MW-3	MW-5	MW-6	MW-10	MW-12	MW-13	
Sampling Event	Sampling Date	BENZENE CONCENTRATION (mg/L)						
1	21-Feb-23	0.001	0.001	0.001	0.0879	0.001	2.8	
2	23-May-23	0.001	0.001	0.001	0.0454	0.001	5.02	
3	15-Aug-23	0.001	0.001	0.001	0.132	0.001	2.78	
4	16-Nov-23	0.001	0.001	0.001	0.0213	0.001	3.02	
5	15-Feb-24	0.001	0.001	0.001	0.0236	0.001	2.9	
6	15-May-24	0.001	0.001	0.001	0.0329	0.001	2.63	
7	17-Sep-24	0.001	0.001	0.001	0.0259	0.001	1.8	
8	31-Oct-24	0.001	0.001	0.001	0.0527	0.001	1.83	
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.00	0.00	0.00	0.74	0.00	0.35	
Mann-Kendall Statistic (S):		0	0	0	-4	0	-16	
Confidence Factor:		45.2%	45.2%	45.2%	64.0%	45.2%	96.9%	
Concentration Trend:		Stable	Stable	Stable	Stable	Stable	Decreasing	

**Notes:**

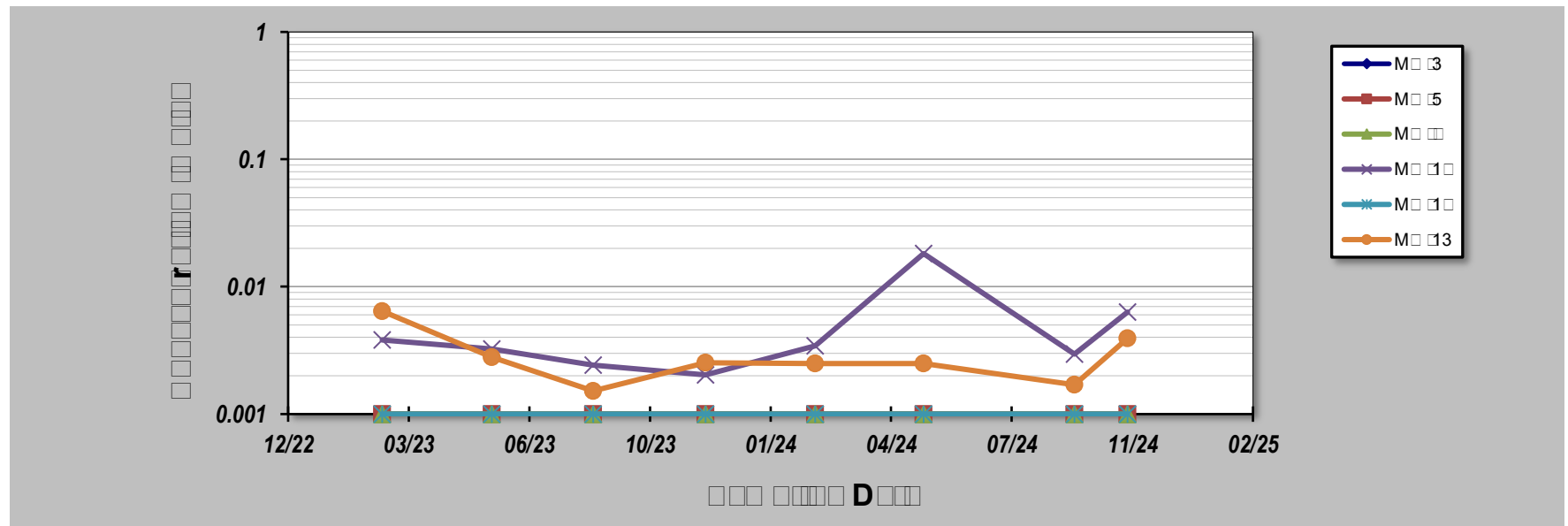
- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing ($S > 0$) or decreasing ($S < 0$): $> 95\%$ = Increasing or Decreasing; $\geq 90\%$ = 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.
- Red values are the reporting limit and are non-detect results.

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M-D
r r d

Sampling Event	Sampling Date	TOLUENE CONCENTRATION (mg/L)						
1	1/1/2023	1	1	1	383	1	3	
	3/1/2023	1	1	1	35	1	8	
3	15/1/2023	1	1	1	3	1	15	
	1/2/2023	1	1	1	3	1	53	
5	15/2/2023	1	1	1	3	1	5	
	15/3/2023	1	1	1	18	1	5	
	1/4/2023	1	1	1	5	1	1	
8	31/4/2023	1	1	1	33	1	3	
10								
11								
10								
13								
10								
15								
10								
10								
18								
10								
Coefficient of Variation:								
Mann-Kendall Statistic (S):							-	
Confidence Factor:								
Concentration Trend:		Stable	Stable	Stable	No Trend	Stable	Stable	



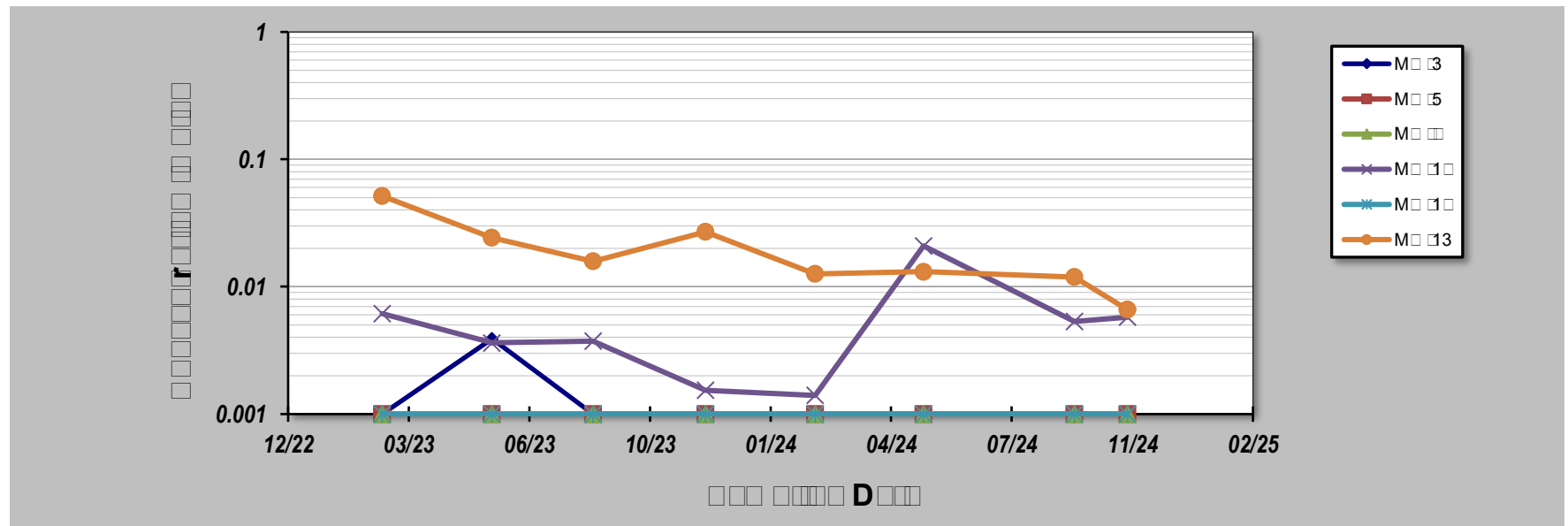
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Module - Designing the User Interface

Prerequisites: Introduction to Design, Introduction to Design II, Introduction to Design III

Sampling Event	Sampling Date	ETHYLBENZENE CONCENTRATION (mg/L)						
1	01/01/2023	0.001	0.001	0.001	0.0015	0.001	0.0015	
	03/01/2023	0.003	0.001	0.001	0.003	0.001	0.003	
3	15/01/2023	0.001	0.001	0.001	0.003	0.001	0.00158	
	17/01/2023	0.001	0.001	0.001	0.0015	0.001		
5	15/02/2023	0.001	0.001	0.001	0.001	0.001	0.001	
	15/03/2023	0.001	0.001	0.001		0.001	0.00131	
	17/03/2023	0.001	0.001	0.001	0.00533	0.001	0.0011	
8	31/03/2023	0.001	0.001	0.001	0.0058	0.001		
10								
11								
10								
13								
10								
15								
10								
10								
18								
10								
Coefficient of Variation:		0.000	0.000	0.000	0.000	0.000	0.000	
Mann-Kendall Statistic (S):		-0	0	0	0	0	-0	
Confidence Factor:		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Concentration Trend:		Stable	Stable	Stable	No Trend	Stable	Decreasing	



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Line graph showing the evolution of the number of cases (D) over time (Date) for different age groups (M) and genders (F, M). The Y-axis is logarithmic, ranging from 0.001 to 1. The X-axis shows dates from 12/22 to 02/25. The legend indicates six series: M 3 (dark blue line with circles), M 5 (red line with squares), M 10 (green line with triangles), M 15 (purple line with crosses), M 18 (light blue line with asterisks), and M 13 (orange line with circles). The M 13 series shows the highest values, peaking around 0.03 in early 2023. The M 15 series also shows significant values, peaking around 0.05 in early 2024. The M 3 series shows a sharp increase in early 2023, peaking around 0.015 in late 2023, and then declining. The M 5, M 10, and M 18 series remain relatively low, mostly below 0.005, with M 18 showing a slight increase in early 2024.

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M-**D**

r r d

Sampling Point ID:	M -	M -	M -	M -	M -	
--------------------	-----	-----	-----	-----	-----	--

Figure 1 is a line graph showing the number of COVID-19 cases (D) over time (t) for six different mask-wearing scenarios. The y-axis is logarithmic, ranging from 1 to 100. The x-axis shows dates from 12/22 to 02/25. The scenarios are: M□3 (blue diamonds), M□5 (red squares), M□□ (green triangles), M□□□ (purple crosses), M□□□□ (cyan asterisks), and M□□□□□ (orange circles). The graph shows that higher mask-wearing rates (more squares) lead to lower case counts. The M□□□□□ scenario shows a significant peak in cases around 04/24, while the M□□□□□ scenario shows a sharp decline in cases after 07/24.

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Released to Imaging: 11/18/2025 8:46:26 AM

Mann-Kendall

Toolbox

Evaluation Date:MM-DD-YY

Job ID:XXXXXX

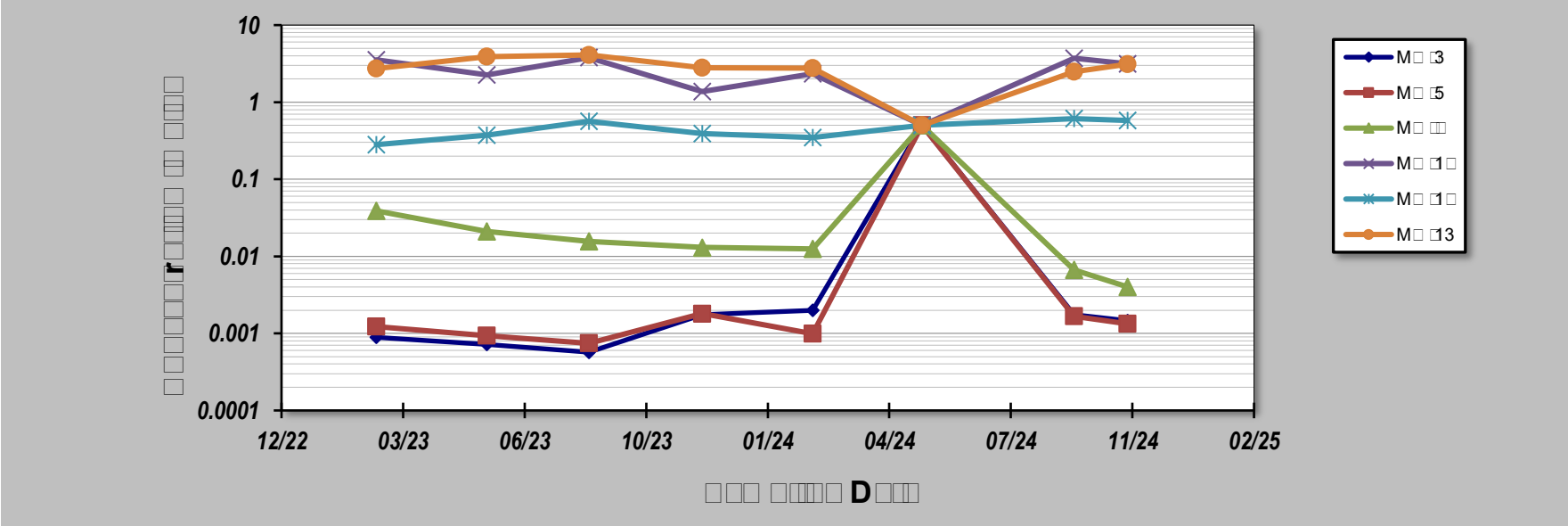
Facility Name:MM-YY

Constituent:Disinfection By-Products

Conducted By:RR

Concentration Units:mg/L

Sampling Point ID:		M-1	M-2	M-3	M-4	M-5	M-6	
Sampling Event	Sampling Date	DISSOLVED METHANE CONCENTRATION (mg/L)						
1	11/13/23	8.3	1.3	3.1	3.53	81		
	3/15/23	1.0	31	11	5	3.1	3.8	
3	15/23	5		15	3.8	5.3	1	
	1/13/23	1.0	18	13	1.38	3.1	8	
5	15/23	1.8	5	1.5	3	3	5	
	15/23	5	5	5	5	5	5	
	1/23	1.0	1.0		3	11		
8	31/23	1.0	133	1	3.15	5	3	
11								
11								
13								
15								
15								
18								
18								
Coefficient of Variation:								
Mann-Kendall Statistic (S):				-	-		-	
Confidence Factor:								
Concentration Trend:		No Trend	No Trend	Decreasing	Stable	Increasing	Stable	



Methodology is valid for 4 to 40 samples.

≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.

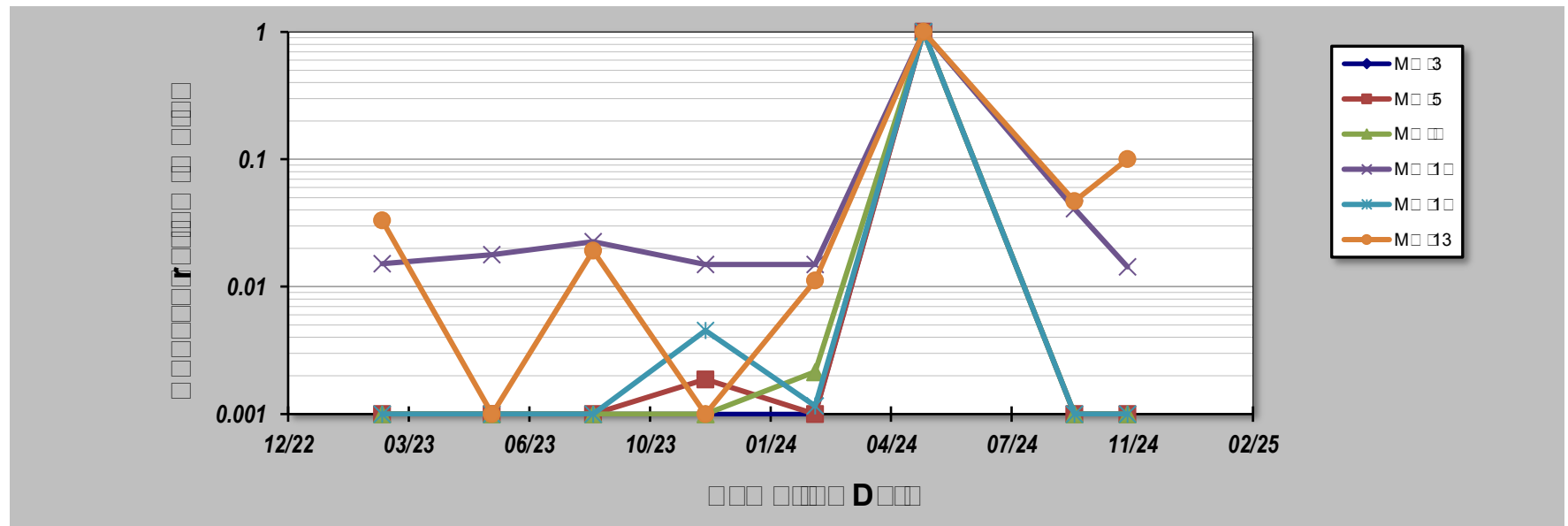
Ground Water 133553

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

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

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13

[illegible]

Methodology is valid for 4 to 40 samples.

≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.

M...M...R...D...M...R...Ground Water 1335533

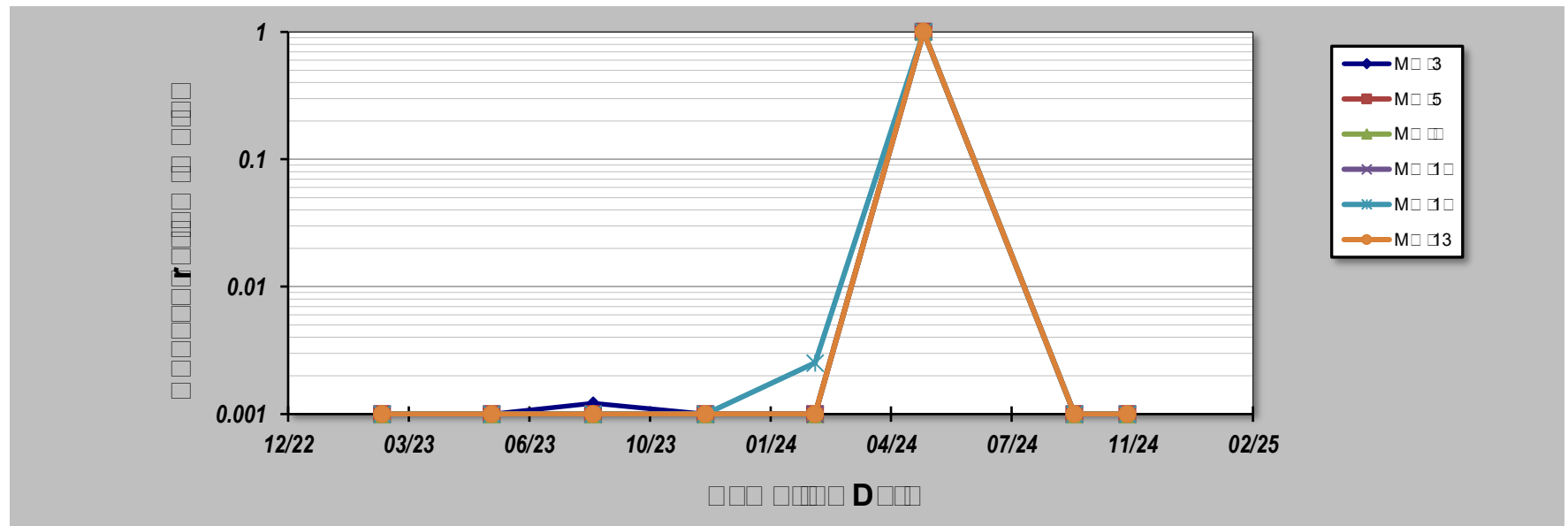
4. Red values are the reporting limit and are non-detect results.

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M-D
r r d

Sampling Event	Sampling Date	DISSOLVED ETHENE CONCENTRATION (mg/L)						
1	01/01/2023	0.001	0.001	0.001	0.001	0.001	0.001	
	03/01/2023	0.001	0.001	0.001	0.001	0.001	0.001	
3	15/01/2023	0.001	0.001	0.001	0.001	0.001	0.001	
	1/02/2023	0.001	0.001	0.001	0.001	0.001	0.001	
5	15/02/2023	0.001	0.001	0.001	0.001	0.005	0.001	
	15/03/2023	1	1	1	1	1	1	
	1/04/2023	0.001	0.001	0.001	0.001	0.001	0.001	
8	31/04/2023	0.001	0.001	0.001	0.001	0.001	0.001	
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.001	0.001	0.001	0.001	0.001	0.001	
Mann-Kendall Statistic (S):		0	0	0	0	0	0	
Confidence Factor:		0.001	0.001	0.001	0.001	0.001	0.001	
Concentration Trend:		No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	

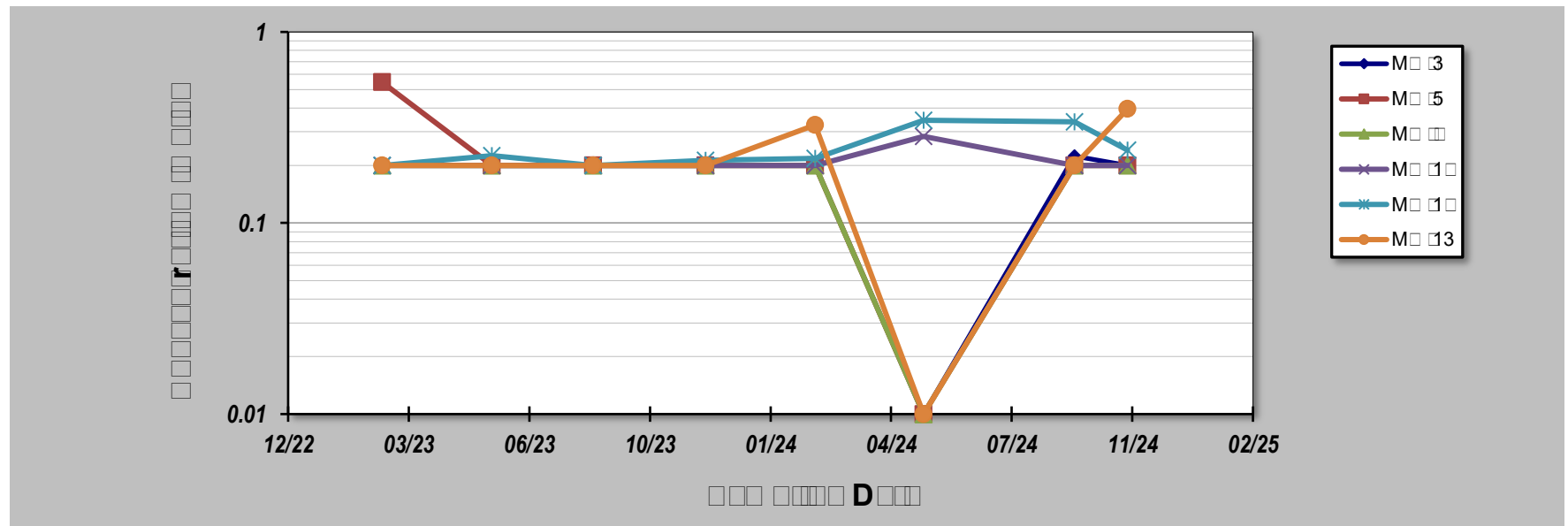


DISCLAIMER: The GSI Mann-Kendall Toolkit is available "as is". Considerable care has been exercised in preparing this software product; however, no party, including without limitation GSI Environmental Inc., makes any representation or warranty regarding the accuracy, correctness, or completeness of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

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M - D r r d Report Date								
Evaluation Date: - -			Job ID:					
Facility Name: M -			Constituent: D d r					
Conducted By: R			Concentration Units:					
Sampling Point ID:								
		M -	M -	M -	M -	M -	M -	
Sampling Event	Sampling Date	DISSOLVED IRON CONCENTRATION (mg/L)						
1	1/3/2023		5.5					
	3/M/2023					5		
3	15/1/2023							
	1/1/2023					13		
5	15/1/2023					18	3	
	15/M/2023	1	1	1	8	5	1	
	1/1/2023					33		
8	31/1/2023					1	3.5	
10								
11								
10								
13								
10								
15								
10								
10								
18								
10								
Coefficient of Variation:								
Mann-Kendall Statistic (S):			-	-				
Confidence Factor:								
Concentration Trend:		No Trend	Stable	Stable	No Trend	Increasing	No Trend	



Methodology is valid for 4 to 40 samples.

≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.

M
Ground Water 133553

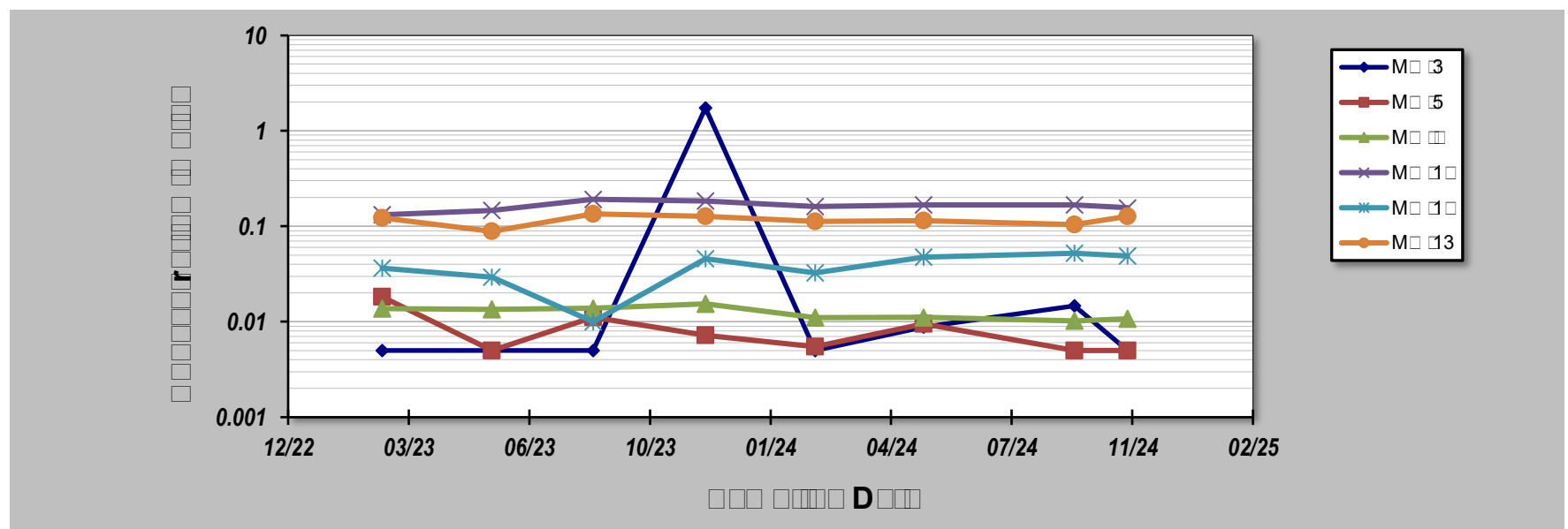
4. Red values are the reporting limit and are non-detect results.

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

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M-D
r r d

Sampling Event	Sampling Date	DISSOLVED MANGANESE CONCENTRATION (mg/L)						
1	01/01/2023	0.005	0.018	0.013	0.13	0.033	0.1	
2	03/01/2023	0.005	0.005	0.0135	0.1	0.000	0.885	
3	15/01/2023	0.005	0.011	0.0138	0.1	0.01	0.135	
4	1/02/2023	1.00	0.000	0.015	0.18	0.005	0.1	
5	15/02/2023	0.005	0.005	0.011	0.1	0.03	0.13	
6	15/03/2023	0.0088	0.000	0.011	0.1	0.000	0.15	
7	1/04/2023	0.01	0.005	0.01	0.18	0.005	0.1	
8	31/04/2023	0.005	0.005	0.01	0.15	0.088	0.1	
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.000	0.000	0.000	0.000	0.000	0.000	
Mann-Kendall Statistic (S):		0	-0.00	-0.00	0	0.00	-0.00	
Confidence Factor:		0.000	0.000	0.000	0.000	0.000	0.000	
Concentration Trend:		No Trend	Prob. Decreasing	Prob. Decreasing	No Trend	Increasing	Stable	



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0000010

Mann-Kendall Toolkit

Report

Evaluation Date: 11-17-25

Facility Name: M-0000

Conducted By: R

Job ID: 000000

Constituent: r

Concentration Units: 000

Sampling Point ID: M-0M-0M-0M-0M-0M-0

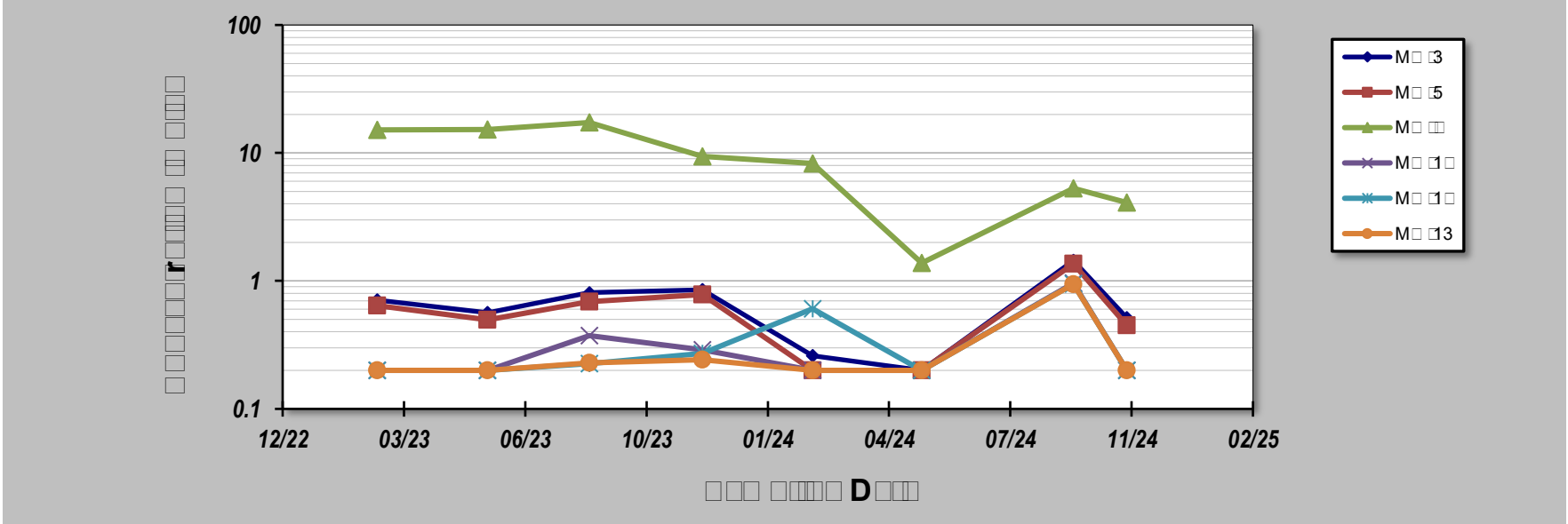
Sampling Event	Sampling Date	NITRATE CONCENTRATION (mg/L)						
1	11-03-23	0.008	0.000	15.1	0.00	0.00	0.00	
	03-15-23	0.55	0.000	15.3	0.00	0.00	0.00	
3	15-03-23	0.88	0.008	1.3	0.35	0.000	0.000	
	1-01-23	0.85	0.0083	0.00	0.008	0.000	0.000	
5	15-03-23	0.001	0.00	8.00	0.00	0.000	0.00	
	15-03-23	0.00	0.00	1.38	0.00	0.00	0.00	
	1-01-23	1.00	1.3	5.3	0.00	0.000	0.000	
8	31-01-23	0.515	0.000	0.00	0.00	0.00	0.00	
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

Coefficient of Variation: 0.000

Mann-Kendall Statistic (S): -0.00

Confidence Factor: 0.000

Concentration Trend: StableStableDecreasingNo TrendNo TrendNo Trend



Methodology is valid for 4 to 40 samples.

≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.

Mann-Kendall Statistic (S) = 0.000

Ground Water 1.33553

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

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Figure 1 is a line graph showing the number of cases per 100,000 population for different age groups in the Netherlands from December 2022 to February 2025. The y-axis is logarithmic, ranging from 1 to 1000. The x-axis shows dates: 12/22, 03/23, 06/23, 10/23, 01/24, 04/24, 07/24, 11/24, 02/25. The legend indicates six age groups: M < 3 (dark blue diamonds), M < 5 (red squares), M < 10 (green triangles), M < 15 (purple crosses), M < 18 (teal asterisks), and M < 13 (orange circles). The M < 3 group shows the highest peak, reaching approximately 200 cases per 100,000 in early 2024. The M < 13 group shows the lowest peak, reaching approximately 100 cases per 100,000 in early 2024.

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

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Methodology is valid for 4 to 40 samples.

≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.

Ground Water 1.3553

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

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

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APPENDICES

APPENDIX A
2024 Laboratory Analytical Reports

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



Analytical Report Rev. 1

Prepared for:

Jonathan Repman
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: 4B16002



Current Certification

Report Date: 03/07/24

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Jonathan Repman

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-3	4B16002-01	Water	02/15/24 11:15	02-16-2024 08:27
MW-5	4B16002-02	Water	02/15/24 12:31	02-16-2024 08:27
MW-6	4B16002-03	Water	02/15/24 13:45	02-16-2024 08:27
MW-12	4B16002-04	Water	02/15/24 14:36	02-16-2024 08:27
MW-13	4B16002-05	Water	02/15/24 15:52	02-16-2024 08:27
MW-10	4B16002-06	Water	02/15/24 16:40	02-16-2024 08:27

This revised report reflects the inclusion of Benzene in sample # 4B16002-05. A dilution for Benzene was not imported for that sample. Additionally, this report includes the subcontract data attached as well.

Dissolved Metals, 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/ga/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: Jonathan Repman

MW-3
4B16002-01 (Water)

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

BTEX by 8021B

Total BTEX	ND	0.00100	mg/L	1	[CALC]	02/16/24 12:13	02/17/24 01:22	EPA 8021B
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	02/16/24 12:13	02/17/24 01:22	EPA 8021B

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4B1605	02/16/24 12:13	02/17/24 01:22	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P4B1605	02/16/24 12:13	02/17/24 01:22	EPA 8021B
Ethylbenzene	ND	0.00100	mg/L	1	P4B1605	02/16/24 12:13	02/17/24 01:22	EPA 8021B
Xylene (p/m)	ND	0.00200	mg/L	1	P4B1605	02/16/24 12:13	02/17/24 01:22	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P4B1605	02/16/24 12:13	02/17/24 01:22	EPA 8021B
Surrogate: 4-Bromofluorobenzene	84.3 %	80-120		P4B1605	02/16/24 12:13	02/17/24 01:22	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	90.5 %	80-120		P4B1605	02/16/24 12:13	02/17/24 01:22	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P4C0509	02/22/24 13:51	02/22/24 13:51	8015M
Ethene	ND	0.00100	mg/L	1	P4C0509	02/22/24 13:51	02/22/24 13:51	8015M
Methane	0.00198	0.000500	mg/L	1	P4C0509	02/22/24 13:51	02/22/24 13:51	8015M

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	10.0	mg/L	1	P4B2112	02/21/24 09:26	02/22/24 14:14	8000
Nitrate as N	0.261	0.200	mg/L	1	P4B1804	02/17/24 08:00	02/21/24 19:31	EPA 300.0
Sulfate	204	5.00	mg/L	5	P4B2812	02/28/24 14:12	02/29/24 09:43	EPA 300.0
Total Organic Carbon	ND	1.00	mg/L	1	P4C0509	02/22/24 22:38	02/22/24 22:38	EPA 415.1

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P4C0509	02/21/24 11:00	02/22/24 00:08	EPA 6020A
Manganese	ND	0.00500	mg/L	1	P4C0509	02/21/24 11:00	02/22/24 00:08	EPA 6020A

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: Jonathan Repman

MW-5
4B16002-02 (Water)

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

BTEX by 8021B

Total BTEX	ND	0.00100	mg/L	1	[CALC]	02/16/24 12:13	02/17/24 01:45	EPA 8021B
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	02/16/24 12:13	02/17/24 01:45	EPA 8021B

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4B1605	02/16/24 12:13	02/17/24 01:45	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P4B1605	02/16/24 12:13	02/17/24 01:45	EPA 8021B
Ethylbenzene	ND	0.00100	mg/L	1	P4B1605	02/16/24 12:13	02/17/24 01:45	EPA 8021B
Xylene (p/m)	ND	0.00200	mg/L	1	P4B1605	02/16/24 12:13	02/17/24 01:45	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P4B1605	02/16/24 12:13	02/17/24 01:45	EPA 8021B
Surrogate: 4-Bromofluorobenzene	89.7 %	80-120			P4B1605	02/16/24 12:13	02/17/24 01:45	EPA 8021B
Surrogate: 1,4-Difluorobenzene	91.2 %	80-120			P4B1605	02/16/24 12:13	02/17/24 01:45	EPA 8021B
Ethane	ND	0.00100	mg/L	1	P4C0509	02/22/24 14:06	02/22/24 14:06	8015M
Ethene	ND	0.00100	mg/L	1	P4C0509	02/22/24 14:06	02/22/24 14:06	8015M
Methane	0.000995	0.000500	mg/L	1	P4C0509	02/22/24 14:06	02/22/24 14:06	8015M

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	10.0	mg/L	1	P4B2112	02/21/24 09:26	02/22/24 14:14	8000
Nitrate as N	ND	0.200	mg/L	1	P4B1804	02/17/24 08:00	02/21/24 20:29	EPA 300.0
Sulfate	129	5.00	mg/L	5	P4B2812	02/28/24 14:12	02/29/24 10:02	EPA 300.0
Total Organic Carbon	1.17	1.00	mg/L	1	P4C0509	02/22/24 22:51	02/22/24 22:51	EPA 415.1

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P4C0509	02/21/24 11:00	02/22/24 00:11	EPA 6020A
Manganese	0.00546	0.00500	mg/L	1	P4C0509	02/21/24 11:00	02/22/24 00:11	EPA 6020A

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: Jonathan Repman

MW-6
4B16002-03 (Water)

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

BTEX by 8021B

Total BTEX	ND	0.00100	mg/L	1	[CALC]	02/16/24 12:13	02/17/24 02:08	EPA 8021B
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	02/16/24 12:13	02/17/24 02:08	EPA 8021B

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4B1605	02/16/24 12:13	02/17/24 02:08	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P4B1605	02/16/24 12:13	02/17/24 02:08	EPA 8021B
Ethylbenzene	ND	0.00100	mg/L	1	P4B1605	02/16/24 12:13	02/17/24 02:08	EPA 8021B
Xylene (p/m)	ND	0.00200	mg/L	1	P4B1605	02/16/24 12:13	02/17/24 02:08	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P4B1605	02/16/24 12:13	02/17/24 02:08	EPA 8021B

Surrogate: 4-Bromofluorobenzene 90.9 % 80-120 P4B1605 02/16/24 12:13 02/17/24 02:08 EPA 8021B

Surrogate: 1,4-Difluorobenzene 92.9 % 80-120 P4B1605 02/16/24 12:13 02/17/24 02:08 EPA 8021B

Ethane	0.00214	0.00100	mg/L	1	P4C0509	02/22/24 14:21	02/22/24 14:21	8015M
Ethene	ND	0.00100	mg/L	1	P4C0509	02/22/24 14:21	02/22/24 14:21	8015M
Methane	0.0125	0.00500	mg/L	1	P4C0509	02/22/24 14:21	02/22/24 14:21	8015M

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	10.0	mg/L	1	P4B2112	02/21/24 09:26	02/22/24 14:14	8000
Nitrate as N	8.29	0.200	mg/L	1	P4B1804	02/17/24 08:00	02/21/24 20:48	EPA 300.0
Sulfate	174	5.00	mg/L	5	P4B2812	02/28/24 14:12	02/29/24 10:21	EPA 300.0
Total Organic Carbon	2.72	1.00	mg/L	1	P4C0509	02/22/24 23:06	02/22/24 23:06	EPA 415.1

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P4C0509	02/21/24 11:00	02/22/24 00:13	EPA 6020A
Manganese	0.0110	0.00500	mg/L	1	P4C0509	02/21/24 11:00	02/22/24 00:13	EPA 6020A

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: Jonathan Repman

MW-12
4B16002-04 (Water)

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

BTEX by 8021B

Total BTEX	ND	0.00100	mg/L	1	[CALC]	02/22/24 11:38	02/23/24 10:43	EPA 8021B
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	02/22/24 11:38	02/23/24 10:43	EPA 8021B

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4B2204	02/22/24 11:38	02/23/24 10:43	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P4B2204	02/22/24 11:38	02/23/24 10:43	EPA 8021B
Ethylbenzene	ND	0.00100	mg/L	1	P4B2204	02/22/24 11:38	02/23/24 10:43	EPA 8021B
Xylene (p/m)	ND	0.00200	mg/L	1	P4B2204	02/22/24 11:38	02/23/24 10:43	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P4B2204	02/22/24 11:38	02/23/24 10:43	EPA 8021B

Surrogate: 4-Bromofluorobenzene 84.5 % 80-120 P4B2204 02/22/24 11:38 02/23/24 10:43 EPA 8021B

Surrogate: 1,4-Difluorobenzene 90.7 % 80-120 P4B2204 02/22/24 11:38 02/23/24 10:43 EPA 8021B

Ethane	0.00116	0.00100	mg/L	1	P4C0509	02/22/24 14:33	02/22/24 14:33	8015M
Ethene	0.00252	0.00100	mg/L	1	P4C0509	02/22/24 14:33	02/22/24 14:33	8015M
Methane	0.349	0.0100	mg/L	1	P4C0509	02/22/24 14:33	02/22/24 15:08	8015M

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	10.0	mg/L	1	P4B2112	02/21/24 09:26	02/22/24 14:14	8000
Nitrate as N	0.607	0.200	mg/L	1	P4B1804	02/17/24 08:00	02/21/24 21:07	EPA 300.0
Sulfate	189	5.00	mg/L	5	P4B2812	02/28/24 14:12	02/29/24 10:41	EPA 300.0
Total Organic Carbon	ND	5.00	mg/L	1	P4C0509	02/22/24 23:18	02/22/24 23:18	EPA 415.1

Dissolved Metals by EPA / Standard Methods

Iron	0.218	0.200	mg/L	1	P4C0509	02/21/24 11:00	02/22/24 00:15	EPA 6020A
Manganese	0.0324	0.00500	mg/L	1	P4C0509	02/21/24 11:00	02/22/24 00:15	EPA 6020A

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: Jonathan Repman

MW-13
4B16002-05 (Water)

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

BTEX by 8021B

Total BTEX	2.93	0.00100	mg/L	10	[CALC]	02/22/24 11:38	02/23/24 17:42	EPA 8021B
Xylenes (total)	0.0136	0.00100	mg/L	1	[CALC]	02/22/24 11:38	02/23/24 17:42	EPA 8021B

Organics by GC

Benzene	2.90	0.0100	mg/L	10	P4B2204	02/22/24 11:38	02/23/24 11:07	EPA 8021B
Toluene	0.00250	0.00100	mg/L	1	P4B2204	02/22/24 11:38	02/23/24 17:42	EPA 8021B
Ethylbenzene	0.0126	0.00100	mg/L	1	P4B2204	02/22/24 11:38	02/23/24 17:42	EPA 8021B
Xylene (p/m)	0.0108	0.00200	mg/L	1	P4B2204	02/22/24 11:38	02/23/24 17:42	EPA 8021B
Xylene (o)	0.00281	0.00100	mg/L	1	P4B2204	02/22/24 11:38	02/23/24 17:42	EPA 8021B
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>90.1 %</i>	<i>80-120</i>			<i>P4B2204</i>	<i>02/22/24 11:38</i>	<i>02/23/24 17:42</i>	<i>EPA 8021B</i>
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>93.4 %</i>	<i>80-120</i>			<i>P4B2204</i>	<i>02/22/24 11:38</i>	<i>02/23/24 17:42</i>	<i>EPA 8021B</i>
Ethane	0.0112	0.00100	mg/L	1	P4C0509	02/22/24 14:47	02/22/24 14:47	8015M
Ethene	ND	0.00100	mg/L	1	P4C0509	02/22/24 14:47	02/22/24 14:47	8015M
Methane	2.75	0.0500	mg/L	1	P4C0509	02/22/24 14:47	02/22/24 15:21	8015M

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	40.0	20.0	mg/L	1	P4B2112	02/21/24 09:26	02/22/24 14:14	8000
Nitrate as N	ND	0.200	mg/L	1	P4B1804	02/17/24 08:00	02/21/24 21:27	EPA 300.0
Sulfate	85.8	5.00	mg/L	5	P4B2812	02/28/24 14:12	02/29/24 11:00	EPA 300.0
Total Organic Carbon	8.44	5.00	mg/L	1	P4C0509	02/23/24 00:43	02/23/24 00:43	EPA 415.1

Dissolved Metals by EPA / Standard Methods

Iron	0.326	0.200	mg/L	1	P4C0509	02/21/24 11:00	02/22/24 00:18	EPA 6020A
Manganese	0.113	0.00500	mg/L	1	P4C0509	02/21/24 11:00	02/22/24 00:18	EPA 6020A

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: Jonathan Repman

MW-10
4B16002-06 (Water)

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

BTEX by 8021B

Total BTEX	0.0330	0.00100	mg/L	1	[CALC]	02/22/24 11:38	02/23/24 11:30	EPA 8021B
Xylenes (total)	0.00460	0.00100	mg/L	1	[CALC]	02/22/24 11:38	02/23/24 11:30	EPA 8021B

Organics by GC

Benzene	0.0236	0.00100	mg/L	1	P4B2204	02/22/24 11:38	02/23/24 11:30	EPA 8021B
Toluene	0.00344	0.00100	mg/L	1	P4B2204	02/22/24 11:38	02/23/24 11:30	EPA 8021B
Ethylbenzene	0.00140	0.00100	mg/L	1	P4B2204	02/22/24 11:38	02/23/24 11:30	EPA 8021B
Xylene (p/m)	0.00397	0.00200	mg/L	1	P4B2204	02/22/24 11:38	02/23/24 11:30	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P4B2204	02/22/24 11:38	02/23/24 11:30	EPA 8021B
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>90.8 %</i>	<i>80-120</i>			<i>P4B2204</i>	<i>02/22/24 11:38</i>	<i>02/23/24 11:30</i>	<i>EPA 8021B</i>
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>86.6 %</i>	<i>80-120</i>			<i>P4B2204</i>	<i>02/22/24 11:38</i>	<i>02/23/24 11:30</i>	<i>EPA 8021B</i>
Ethane	0.0149	0.00100	mg/L	1	P4C0509	02/22/24 14:55	02/22/24 14:55	8015M
Ethene	ND	0.00100	mg/L	1	P4C0509	02/22/24 14:55	02/22/24 15:54	8015M
Methane	2.34	0.100	mg/L	1	P4C0509	02/22/24 14:55	02/22/24 15:31	8015M

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	20.0	20.0	mg/L	1	P4B2112	02/21/24 09:26	02/22/24 14:14	8000
Nitrate as N	ND	0.200	mg/L	1	P4B1804	02/17/24 08:00	02/21/24 21:46	EPA 300.0
Sulfate	91.0	5.00	mg/L	5	P4B2812	02/28/24 14:12	02/29/24 11:19	EPA 300.0
Total Organic Carbon	5.23	5.00	mg/L	1	P4C0509	02/23/24 00:56	02/23/24 00:56	EPA 415.1

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P4C0509	02/21/24 11:00	02/22/24 00:20	EPA 6020A
Manganese	0.161	0.00500	mg/L	1	P4C0509	02/21/24 11:00	02/22/24 00:20	EPA 6020A

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: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4B1605 - * DEFAULT PREP *****

Blank (P4B1605-BLK1)

Prepared & Analyzed: 02/16/24

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.106		"	0.120		88.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.108		"	0.120		89.8	80-120			

LCS (P4B1605-BS1)

Prepared & Analyzed: 02/16/24

Benzene	0.108	0.00100	mg/L	0.100		108	80-120			
Toluene	0.0952	0.00100	"	0.100		95.2	80-120			
Ethylbenzene	0.0939	0.00100	"	0.100		93.9	80-120			
Xylene (p/m)	0.184	0.00200	"	0.200		91.9	80-120			
Xylene (o)	0.0805	0.00100	"	0.100		80.5	80-120			
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120		87.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		91.2	80-120			

LCS Dup (P4B1605-BSD1)

Prepared & Analyzed: 02/16/24

Benzene	0.103	0.00100	mg/L	0.100		103	80-120	4.16	20	
Toluene	0.0906	0.00100	"	0.100		90.6	80-120	4.99	20	
Ethylbenzene	0.0884	0.00100	"	0.100		88.4	80-120	6.06	20	
Xylene (p/m)	0.175	0.00200	"	0.200		87.3	80-120	5.16	20	
Xylene (o)	0.0804	0.00100	"	0.100		80.4	80-120	0.186	20	
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120		87.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.108		"	0.120		90.0	80-120			

Calibration Blank (P4B1605-CCB1)

Prepared & Analyzed: 02/16/24

Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.107		"	0.120		88.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.108		"	0.120		89.6	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: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4B1605 - * DEFAULT PREP *****

Calibration Blank (P4B1605-CCB2)

Prepared & Analyzed: 02/16/24

Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.160		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.104		"	0.120		86.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.107		"	0.120		89.5	80-120			

Calibration Check (P4B1605-CCV1)

Prepared & Analyzed: 02/16/24

Benzene	0.111	0.00100	mg/L	0.100		111	80-120			
Toluene	0.0980	0.00100	"	0.100		98.0	80-120			
Ethylbenzene	0.0962	0.00100	"	0.100		96.2	80-120			
Xylene (p/m)	0.188	0.00200	"	0.200		93.8	80-120			
Xylene (o)	0.0827	0.00100	"	0.100		82.7	80-120			
Surrogate: 4-Bromofluorobenzene	0.101		"	0.120		84.5	80-120			
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		91.0	80-120			

Calibration Check (P4B1605-CCV2)

Prepared & Analyzed: 02/16/24

Benzene	0.106	0.00100	mg/L	0.100		106	80-120			
Toluene	0.0945	0.00100	"	0.100		94.5	80-120			
Ethylbenzene	0.0926	0.00100	"	0.100		92.6	80-120			
Xylene (p/m)	0.182	0.00200	"	0.200		91.1	80-120			
Xylene (o)	0.0806	0.00100	"	0.100		80.6	80-120			
Surrogate: 4-Bromofluorobenzene	0.101		"	0.120		84.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.107		"	0.120		89.5	80-120			

Calibration Check (P4B1605-CCV3)

Prepared: 02/16/24 Analyzed: 02/17/24

Benzene	0.117	0.00100	mg/L	0.100		117	80-120			
Toluene	0.101	0.00100	"	0.100		101	80-120			
Ethylbenzene	0.0922	0.00100	"	0.100		92.2	80-120			
Xylene (p/m)	0.191	0.00200	"	0.200		95.6	80-120			
Xylene (o)	0.0862	0.00100	"	0.100		86.2	80-120			
Surrogate: 4-Bromofluorobenzene	0.102		"	0.120		85.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.110		"	0.120		91.8	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: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4B1605 - * DEFAULT PREP *****

Matrix Spike (P4B1605-MS1)		Source: 4B15004-01		Prepared: 02/16/24 Analyzed: 02/17/24						
Benzene	0.112	0.00100	mg/L	0.100	ND	112	80-120			
Toluene	0.0949	0.00100	"	0.100	ND	94.9	80-120			
Ethylbenzene	0.0918	0.00100	"	0.100	ND	91.8	80-120			
Xylene (p/m)	0.180	0.00200	"	0.200	ND	89.9	80-120			
Xylene (o)	0.0791	0.00100	"	0.100	ND	79.1	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120		87.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.1	80-120			

Matrix Spike Dup (P4B1605-MSD1)		Source: 4B15004-01		Prepared: 02/16/24 Analyzed: 02/17/24						
Benzene	0.111	0.00100	mg/L	0.100	ND	111	80-120	0.673	20	
Toluene	0.0948	0.00100	"	0.100	ND	94.8	80-120	0.0843	20	
Ethylbenzene	0.0918	0.00100	"	0.100	ND	91.8	80-120	0.0653	20	
Xylene (p/m)	0.180	0.00200	"	0.200	ND	90.2	80-120	0.261	20	
Xylene (o)	0.0790	0.00100	"	0.100	ND	79.0	80-120	0.101	20	QM-05
Surrogate: 4-Bromofluorobenzene	0.104		"	0.120		86.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.5	80-120			

Batch P4B2204 - * DEFAULT PREP *****

Blank (P4B2204-BLK1)				Prepared: 02/22/24 Analyzed: 02/23/24						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.107		"	0.120		89.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.108		"	0.120		89.6	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: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4B2204 - * DEFAULT PREP *****

LCS (P4B2204-BS1)

Prepared: 02/22/24 Analyzed: 02/23/24

Benzene	0.107	0.00100	mg/L	0.100		107	80-120			
Toluene	0.0930	0.00100	"	0.100		93.0	80-120			
Ethylbenzene	0.0890	0.00100	"	0.100		89.0	80-120			
Xylene (p/m)	0.176	0.00200	"	0.200		87.9	80-120			
Xylene (o)	0.0805	0.00100	"	0.100		80.5	80-120			
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120		87.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		91.2	80-120			

LCS Dup (P4B2204-BSD1)

Prepared: 02/22/24 Analyzed: 02/23/24

Benzene	0.107	0.00100	mg/L	0.100		107	80-120	0.122	20	
Toluene	0.0908	0.00100	"	0.100		90.8	80-120	2.43	20	
Ethylbenzene	0.0870	0.00100	"	0.100		87.0	80-120	2.33	20	
Xylene (p/m)	0.171	0.00200	"	0.200		85.4	80-120	2.82	20	
Xylene (o)	0.0801	0.00100	"	0.100		80.1	80-120	0.448	20	
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120		91.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.5	80-120			

Calibration Blank (P4B2204-CCB1)

Prepared: 02/22/24 Analyzed: 02/23/24

Benzene	0.940		ug/l							
Toluene	1.00		"							
Ethylbenzene	0.700		"							
Xylene (p/m)	1.82		"							
Xylene (o)	0.570		"							
Surrogate: 4-Bromofluorobenzene	0.136		"	0.120		113	80-120			
Surrogate: 1,4-Difluorobenzene	0.110		"	0.120		91.8	80-120			

Calibration Blank (P4B2204-CCB2)

Prepared: 02/22/24 Analyzed: 02/23/24

Benzene	1.29		ug/l							
Toluene	0.00		"							
Ethylbenzene	3.35		"							
Xylene (p/m)	2.64		"							
Xylene (o)	0.570		"							
Surrogate: 4-Bromofluorobenzene	0.106		"	0.120		88.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.105		"	0.120		87.9	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: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4B2204 - * DEFAULT PREP *****

Calibration Check (P4B2204-CCV1)

Prepared & Analyzed: 02/22/24

Benzene	0.119	0.00100	mg/L	0.100		119	80-120			
Toluene	0.103	0.00100	"	0.100		103	80-120			
Ethylbenzene	0.0929	0.00100	"	0.100		92.9	80-120			
Xylene (p/m)	0.191	0.00200	"	0.200		95.6	80-120			
Xylene (o)	0.0859	0.00100	"	0.100		85.9	80-120			
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120		87.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.112		"	0.120		93.0	80-120			

Calibration Check (P4B2204-CCV2)

Prepared: 02/22/24 Analyzed: 02/23/24

Benzene	0.115	0.00100	mg/L	0.100		115	80-120			
Toluene	0.0887	0.00100	"	0.100		88.7	80-120			
Ethylbenzene	0.0894	0.00100	"	0.100		89.4	80-120			
Xylene (p/m)	0.167	0.00200	"	0.200		83.3	80-120			
Xylene (o)	0.0801	0.00100	"	0.100		80.1	80-120			
Surrogate: 4-Bromofluorobenzene	0.104		"	0.120		86.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		90.9	80-120			

Calibration Check (P4B2204-CCV3)

Prepared: 02/22/24 Analyzed: 02/23/24

Benzene	0.117	0.00100	mg/L	0.100		117	80-120			
Toluene	0.0962	0.00100	"	0.100		96.2	80-120			
Ethylbenzene	0.0830	0.00100	"	0.100		83.0	80-120			
Xylene (p/m)	0.169	0.00200	"	0.200		84.3	80-120			
Xylene (o)	0.0800	0.00100	"	0.100		80.0	80-120			
Surrogate: 4-Bromofluorobenzene	0.106		"	0.120		88.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		90.7	80-120			

Matrix Spike (P4B2204-MS1)

Source: 4B16002-04

Prepared: 02/22/24 Analyzed: 02/23/24

Benzene	0.111	0.00100	mg/L	0.100	ND	111	80-120			
Toluene	0.0899	0.00100	"	0.100	ND	89.9	80-120			
Ethylbenzene	0.0822	0.00100	"	0.100	ND	82.2	80-120			
Xylene (p/m)	0.157	0.00200	"	0.200	ND	78.4	80-120			QM-05
Xylene (o)	0.0688	0.00100	"	0.100	ND	68.8	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	0.101		"	0.120		84.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.107		"	0.120		88.8	80-120			

Permian Basin Environmental Lab, L.P.

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

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

TRC Solutions- Midland, Texas	Project: 98-05A_MNA
10 Desta Dr STE 150E	Project Number: TNM 98-05A
Midland TX, 79705	Project Manager: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4B2204 - *** DEFAULT PREP ***

Matrix Spike Dup (P4B2204-MSD1)	Source: 4B16002-04			Prepared: 02/22/24 Analyzed: 02/23/24						
Benzene	0.111	0.00100	mg/L	0.100	ND	111	80-120	0.351	20	
Toluene	0.0894	0.00100	"	0.100	ND	89.4	80-120	0.468	20	
Ethylbenzene	0.0819	0.00100	"	0.100	ND	81.9	80-120	0.378	20	
Xylene (p/m)	0.155	0.00200	"	0.200	ND	77.5	80-120	1.22	20	QM-05
Xylene (o)	0.0680	0.00100	"	0.100	ND	68.0	80-120	1.08	20	QM-05
Surrogate: 4-Bromofluorobenzene	0.0980		"	0.120		81.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.106		"	0.120		88.3	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.

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4B1804 - *** DEFAULT PREP ***										
Blank (P4B1804-BLK1)				Prepared: 02/17/24 Analyzed: 02/21/24						
Nitrate as N	ND	0.200	mg/L							
LCS (P4B1804-BS1)				Prepared: 02/17/24 Analyzed: 02/21/24						
Nitrate as N	9.63		mg/L	10.0		96.3	90-110			
LCS Dup (P4B1804-BSD1)				Prepared: 02/17/24 Analyzed: 02/21/24						
Nitrate as N	11.0		mg/L	10.0		110	90-110	13.0	10	QR-02
Calibration Check (P4B1804-CCV1)				Prepared: 02/17/24 Analyzed: 02/21/24						
Nitrate as N	10.9		mg/L	10.0		109	90-110			
Calibration Check (P4B1804-CCV2)				Prepared: 02/17/24 Analyzed: 02/21/24						
Nitrate as N	10.8		mg/L	10.0		108	90-110			
Matrix Spike (P4B1804-MS1)				Source: 4B16002-01		Prepared: 02/17/24 Analyzed: 02/21/24				
Nitrate as N	11.5		mg/L	10.0	0.261	112	80-120			
Matrix Spike Dup (P4B1804-MSD1)				Source: 4B16002-01		Prepared: 02/17/24 Analyzed: 02/21/24				
Nitrate as N	11.4		mg/L	10.0	0.261	111	80-120	0.998	20	
Batch P4B2112 - *** DEFAULT PREP ***										
Blank (P4B2112-BLK1)				Prepared: 02/21/24 Analyzed: 02/22/24						
Chemical Oxygen Demand	ND	10.0	mg/L							
LCS (P4B2112-BS1)				Prepared: 02/21/24 Analyzed: 02/22/24						
Chemical Oxygen Demand	105	10.0	mg/L	100		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: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4B2112 - * DEFAULT PREP *****

LCS Dup (P4B2112-BSD1) Prepared: 02/21/24 Analyzed: 02/22/24

Chemical Oxygen Demand	116	10.0	mg/L	100		116	80-120	9.95	20	
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Calibration Check (P4B2112-CCV1) Prepared: 02/21/24 Analyzed: 02/22/24

Chemical Oxygen Demand	111	10.0	mg/L	100		111	80-120			
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Calibration Check (P4B2112-CCV2) Prepared: 02/21/24 Analyzed: 02/22/24

Chemical Oxygen Demand	111	10.0	mg/L	100		111	80-120			
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Duplicate (P4B2112-DUP1) Source: 4B15004-01 Prepared: 02/21/24 Analyzed: 02/22/24

Chemical Oxygen Demand	89.0	10.0	mg/L		2.00			191	20	
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Duplicate (P4B2112-DUP2) Source: 4B16002-01 Prepared: 02/21/24 Analyzed: 02/22/24

Chemical Oxygen Demand	11.0	10.0	mg/L		7.00			44.4	20	
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Duplicate (P4B2112-DUP3) Source: 4B08006-01 Prepared: 02/21/24 Analyzed: 02/22/24

Chemical Oxygen Demand	8.00	10.0	mg/L		91.0			168	20	
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Matrix Spike (P4B2112-MS1) Source: 4B15004-01 Prepared: 02/21/24 Analyzed: 02/22/24

Chemical Oxygen Demand	123	10.0	mg/L	100	2.00	121	80-120			
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Matrix Spike (P4B2112-MS2) Source: 4B16002-01 Prepared: 02/21/24 Analyzed: 02/22/24

Chemical Oxygen Demand	111	10.0	mg/L	100	7.00	104	80-120			
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Matrix Spike Dup (P4B2112-MSD1) Source: 4B15004-01 Prepared: 02/21/24 Analyzed: 02/22/24

Chemical Oxygen Demand	120	10.0	mg/L	100	2.00	118	80-120	2.47	20	
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Matrix Spike Dup (P4B2112-MSD2) Source: 4B16002-01 Prepared: 02/21/24 Analyzed: 02/22/24

Chemical Oxygen Demand	113	10.0	mg/L	100	7.00	106	80-120	1.79	20	
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Permian Basin Environmental Lab, L.P.

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

TRC Solutions- Midland, Texas	Project: 98-05A_MNA
10 Desta Dr STE 150E	Project Number: TNM 98-05A
Midland TX, 79705	Project Manager: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4B2812 - *** DEFAULT PREP ***										
Blank (P4B2812-BLK1)				Prepared & Analyzed: 02/28/24						
Sulfate	ND	1.00	mg/L							
LCS (P4B2812-BS1)				Prepared & Analyzed: 02/28/24						
Sulfate	33.3		mg/L	32.0		104	90-110			
LCS Dup (P4B2812-BSD1)				Prepared & Analyzed: 02/28/24						
Sulfate	33.6		mg/L	32.0		105	90-110	0.604	10	
Calibration Check (P4B2812-CCV1)				Prepared & Analyzed: 02/28/24						
Sulfate	30.3		mg/L	32.0		94.7	90-110			
Calibration Check (P4B2812-CCV2)				Prepared: 02/28/24 Analyzed: 02/29/24						
Sulfate	29.7		mg/L	32.0		92.8	90-110			

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Jonathan Repman

Notes and Definitions

ROI Received on Ice

QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

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:

3/7/2024

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: Jonathan Repman

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

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

PBMLAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235

Page 1 of 1

Project Manager: Jonathan Repman

Company Name: TIRC Environmental Corporation

Company Address: 10 Desta Drive, Ste 130E

City/State/Zip: Midland TX 79705

Telephone No: (432) 955-3561

Fax No:

Sampler Signature: *Jonathan Repman*

e-mail: jrepman@tirccompanies.com

cibryant@paalp.com
khudgens@paalp.com
bokator@tirccompanies.com

lmedina@tirccompanies.com

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

PO #:

Project Name: 98-05A

Project #: SRS: TNM 98-05A

Project Loc: Lea County, NM

Page 20 of 41

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Ice	HNO ₃ (field filtered - 250 ml)	HCl (40 ml VOA)	H ₂ SO ₄ (250 ml)	NaOH	Na ₂ S ₂ O ₃	None (40 ml Amber VOA)	Other (Specify)	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	TOC MW 5310	Dissolved Methane, Ethane, and Ethene by RSK-175	Total Dissolved Metals (Fe and Mn) by SW 6010	Nitrate and Sulfate by E300	COD by SM 5310	Total BTEX by 8260	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	MW-3			2-15-24	1115		9	X	1	6	2					GW	X	X	X	X	X			X
2	MW-5				1231		9	X	1	6	2					GW	X	X	X	X	X			X
3	MW-6				1345		9	X	1	6	2					GW	X	X	X	X	X			X
4	MW-12				1436		9	X	1	6	2					GW	X	X	X	X	X			X
5	MW-13				1552		12	X	1	6	2					GW	X	X	X	X	X			X
6	MW-10				1640		12	X	1	6	2					GW	X	X	X	X	X			X

Special Instructions: BILL TO PLAINS

Relinquished by: *Manny* Date: 2-16-24 Time: 08:27 Received by: *Jonathan Repman*Relinquished by: *Manny* Date: 2-16-24 Time: 08:27 Received by: *Jonathan Repman*Relinquished by: *Manny* Date: 2-16-24 Time: 08:27 Received by: *Jonathan Repman*

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?

Temperature Upon Receipt: 4.2 °C

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235
PBELAB SUB COC V2

Project Manager: Brent Barron

Project Name: SUBCONTRACT

Company Name PBEL

Project #:

Company Address: 1400 Rankin HWY

Project Loc:

City/State/Zip: Midland Texas 79701

PO #:

Telephone No: 432-661-4184

Fax No:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: N/A

e-mail: brentbarron@pbelab.com

[illegible]



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

March 04, 2024

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

Work Order: **HS24021519**

Laboratory Results for: **4B16002**

Dear Brent Barron,

ALS Environmental received 6 sample(s) on Feb 23, 2024 for the analysis presented in the following report.

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

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

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

Sincerely,

Generated By: JUMOKE.LAWAL
Anna Kinchen
Project Manager

ALS Houston, US

Date: 04-Mar-24

Client: Permian Basin Environmental Lab, LP
Project: 4B16002
Work Order: HS24021519

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24021519-01	4B21006-01	Water		20-Feb-2024 10:20	23-Feb-2024 09:00	☐
HS24021519-02	4B21006-02	Water		20-Feb-2024 10:55	23-Feb-2024 09:00	☐
HS24021519-03	4B21006-03	Water		20-Feb-2024 11:30	23-Feb-2024 09:00	☐
HS24021519-04	4B21006-04	Water		20-Feb-2024 12:40	23-Feb-2024 09:00	☐
HS24021519-05	4B21006-05	Water		20-Feb-2024 13:25	23-Feb-2024 09:00	☐
HS24021519-06	4B21006-06	Water		20-Feb-2024 14:35	23-Feb-2024 09:00	☐

ALS Houston, US

Date: 04-Mar-24

Client: Permian Basin Environmental Lab, LP
Project: 4B16002
Work Order: HS24021519

CASE NARRATIVE

GC Semivolatiles by Method RSK-175

Batch ID: R460008

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

Metals by Method SW6020A

Batch ID: 208070

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

WetChemistry by Method E415.1

Batch ID: R460300

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

ALS Houston, US

Date: 04-Mar-24

Client:Permian Basin Environmental Lab, LP

Project:4B16002

Sample ID:4B21006-01

Collection Date:20-Feb-2024 10:20

ANALYTICAL REPORT

WorkOrder:HS24021519

Lab ID:HS24021519-01

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: E.H.		
Ethane	ND		1.00	ug/L	1	27-Feb-2024 11:58
Ethene	ND		1.00	ug/L	1	27-Feb-2024 11:58
Methane	4.09		0.500	ug/L	1	27-Feb-2024 11:58
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 28-Feb-2024		Analyst: JC
Iron	0.528		0.200	mg/L	1	28-Feb-2024 17:18
Manganese	0.0930		0.00500	mg/L	1	28-Feb-2024 17:18
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: MZD		
Organic Carbon, Total	7.49		1.00	mg/L	1	01-Mar-2024 11:38

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

ALS Houston, US

Date: 04-Mar-24

Client:Permian Basin Environmental Lab, LP

Project:4B16002

Sample ID:4B21006-02

Collection Date:20-Feb-2024 10:55

ANALYTICAL REPORT

WorkOrder:HS24021519

Lab ID:HS24021519-02

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: E.H.		
Ethane	3.56		1.00	ug/L	1	27-Feb-2024 12:17
Ethene	3.19		1.00	ug/L	1	27-Feb-2024 12:17
Methane	434		10.0	ug/L	20	27-Feb-2024 13:43
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 28-Feb-2024		Analyst: JC
Iron	2.81		0.200	mg/L	1	28-Feb-2024 17:29
Manganese	0.264		0.00500	mg/L	1	28-Feb-2024 17:29
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: MZD		
Organic Carbon, Total	50.7		5.00	mg/L	5	01-Mar-2024 17:14

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

ALS Houston, US

Date: 04-Mar-24

Client:Permian Basin Environmental Lab, LP

Project:4B16002

Sample ID:4B21006-03

Collection Date:20-Feb-2024 11:30

ANALYTICAL REPORT

WorkOrder:HS24021519

Lab ID:HS24021519-03

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: E.H.		
Ethane	ND		1.00	ug/L	1	27-Feb-2024 12:26
Ethene	ND		1.00	ug/L	1	27-Feb-2024 12:26
Methane	1.54		0.500	ug/L	1	27-Feb-2024 12:26
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 28-Feb-2024		Analyst: JC
Iron	ND		0.200	mg/L	1	28-Feb-2024 17:31
Manganese	0.00594		0.00500	mg/L	1	28-Feb-2024 17:31
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: MZD		
Organic Carbon, Total	1.30		1.00	mg/L	1	01-Mar-2024 12:24

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

ALS Houston, US

Date: 04-Mar-24

Client:Permian Basin Environmental Lab, LP

Project:4B16002

Sample ID:4B21006-04

Collection Date:20-Feb-2024 12:40

ANALYTICAL REPORT

WorkOrder:HS24021519

Lab ID:HS24021519-04

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: E.H.		
Ethane	6.83		1.00	ug/L	1	27-Feb-2024 12:44
Ethene	6.09		1.00	ug/L	1	27-Feb-2024 12:44
Methane	1,010		25.0	ug/L	50	27-Feb-2024 14:05
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 28-Feb-2024		Analyst: JC
Iron	9.81		0.200	mg/L	1	28-Feb-2024 17:33
Manganese	0.544		0.00500	mg/L	1	28-Feb-2024 17:33
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: MZD		
Organic Carbon, Total	56.1		5.00	mg/L	5	01-Mar-2024 17:30

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

ALS Houston, US

Date: 04-Mar-24

Client:Permian Basin Environmental Lab, LP

Project:4B16002

Sample ID:4B21006-05

Collection Date:20-Feb-2024 13:25

ANALYTICAL REPORT

WorkOrder:HS24021519

Lab ID:HS24021519-05

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: E.H.		
Ethane	33.5		1.00	ug/L	1	27-Feb-2024 13:01
Ethene	ND		1.00	ug/L	1	27-Feb-2024 13:01
Methane	4,380		100	ug/L	200	27-Feb-2024 14:38
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 28-Feb-2024 Analyst: JC		
Iron	1.83		0.200	mg/L	1	28-Feb-2024 17:45
Manganese	0.128		0.00500	mg/L	1	28-Feb-2024 17:45
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: MZD		
Organic Carbon, Total	9.41		1.00	mg/L	1	01-Mar-2024 12:55

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

ALS Houston, US

Date: 04-Mar-24

Client:Permian Basin Environmental Lab, LP

Project:4B16002

Sample ID:4B21006-06

Collection Date:20-Feb-2024 14:35

ANALYTICAL REPORT

WorkOrder:HS24021519

Lab ID:HS24021519-06

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: E.H.		
Ethane	ND		1.00	ug/L	1	27-Feb-2024 13:26
Ethene	27.7		1.00	ug/L	1	27-Feb-2024 13:26
Methane	2,350		50.0	ug/L	100	27-Feb-2024 15:56
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 28-Feb-2024 Analyst: JC		
Iron	0.448		0.200	mg/L	1	28-Feb-2024 17:47
Manganese	0.0338		0.00500	mg/L	1	28-Feb-2024 17:47
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: MZD		
Organic Carbon, Total	13.2		1.00	mg/L	1	01-Mar-2024 13:10

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

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: 4B16002
WorkOrder: HS24021519

Batch ID: 208070	Start Date: 28 Feb 2024 09:00	End Date: 28 Feb 2024 09:00
Method: DISS METALS PREP - WATER - SW3010A	Prep Code: 3010A DISS	

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24021519-01		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24021519-02		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24021519-03		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24021519-04		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24021519-05		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24021519-06		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2

ALS Houston, US

Date: 04-Mar-24

Client: Permian Basin Environmental Lab, LP
Project: 4B16002
WorkOrder: HS24021519

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 208070 (0)		Test Name : DISSOLVED METALS BY SW6020A			Matrix: Water	
HS24021519-01	4B21006-01	20 Feb 2024 10:20		28 Feb 2024 09:00	28 Feb 2024 17:18	1
HS24021519-02	4B21006-02	20 Feb 2024 10:55		28 Feb 2024 09:00	28 Feb 2024 17:29	1
HS24021519-03	4B21006-03	20 Feb 2024 11:30		28 Feb 2024 09:00	28 Feb 2024 17:31	1
HS24021519-04	4B21006-04	20 Feb 2024 12:40		28 Feb 2024 09:00	28 Feb 2024 17:33	1
HS24021519-05	4B21006-05	20 Feb 2024 13:25		28 Feb 2024 09:00	28 Feb 2024 17:45	1
HS24021519-06	4B21006-06	20 Feb 2024 14:35		28 Feb 2024 09:00	28 Feb 2024 17:47	1
Batch ID: R460008 (0)		Test Name : DISSOLVED GASES BY RSK-175			Matrix: Water	
HS24021519-01	4B21006-01	20 Feb 2024 10:20			27 Feb 2024 11:58	1
HS24021519-02	4B21006-02	20 Feb 2024 10:55			27 Feb 2024 13:43	20
HS24021519-02	4B21006-02	20 Feb 2024 10:55			27 Feb 2024 12:17	1
HS24021519-03	4B21006-03	20 Feb 2024 11:30			27 Feb 2024 12:26	1
HS24021519-04	4B21006-04	20 Feb 2024 12:40			27 Feb 2024 14:05	50
HS24021519-04	4B21006-04	20 Feb 2024 12:40			27 Feb 2024 12:44	1
HS24021519-05	4B21006-05	20 Feb 2024 13:25			27 Feb 2024 14:38	200
HS24021519-05	4B21006-05	20 Feb 2024 13:25			27 Feb 2024 13:01	1
HS24021519-06	4B21006-06	20 Feb 2024 14:35			27 Feb 2024 15:56	100
HS24021519-06	4B21006-06	20 Feb 2024 14:35			27 Feb 2024 13:26	1
Batch ID: R460300 (0)		Test Name : TOTAL ORGANIC CARBON BY E415.1			Matrix: Water	
HS24021519-01	4B21006-01	20 Feb 2024 10:20			01 Mar 2024 11:38	1
HS24021519-02	4B21006-02	20 Feb 2024 10:55			01 Mar 2024 17:14	5
HS24021519-03	4B21006-03	20 Feb 2024 11:30			01 Mar 2024 12:24	1
HS24021519-04	4B21006-04	20 Feb 2024 12:40			01 Mar 2024 17:30	5
HS24021519-05	4B21006-05	20 Feb 2024 13:25			01 Mar 2024 12:55	1
HS24021519-06	4B21006-06	20 Feb 2024 14:35			01 Mar 2024 13:10	1

ALS Houston, US

Date: 04-Mar-24

Client: Permian Basin Environmental Lab, LP
Project: 4B16002
WorkOrder: HS24021519

QC BATCH REPORT

Batch ID: R460008 (0)		Instrument: FID-4		Method: DISSOLVED GASES BY RSK-175					
MBLK	Sample ID: MBLK-240227	Units: ug/L		Analysis Date: 27-Feb-2024 11:14					
Client ID:	Run ID: FID-4_460008	SeqNo: 7857885		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-240227	Units: ug/L		Analysis Date: 27-Feb-2024 11:23					
Client ID:	Run ID: FID-4_460008	SeqNo: 7857886		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Ethane	18.48	1.00	18.04	0	102	75 - 125			
Ethene	15.75	1.00	16.8	0	93.8	75 - 125			
Methane	7.774	0.500	9.647	0	80.6	75 - 125			

LCSD	Sample ID: LCSD-240227	Units: ug/L		Analysis Date: 27-Feb-2024 11:43					
Client ID:	Run ID: FID-4_460008	SeqNo: 7857887		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Ethane	18.68	1.00	18.04	0	104	75 - 125	18.48	1.05	30
Ethene	15.51	1.00	16.8	0	92.3	75 - 125	15.75	1.54	30
Methane	8.382	0.500	9.647	0	86.9	75 - 125	7.774	7.52	30

The following samples were analyzed in this batch:

HS24021519-01	HS24021519-02	HS24021519-03	HS24021519-04
HS24021519-05	HS24021519-06		

ALS Houston, US

Date: 04-Mar-24

Client: Permian Basin Environmental Lab, LP
Project: 4B16002
WorkOrder: HS24021519

QC BATCH REPORT

Batch ID: 208070 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
MBLK	Sample ID: MBLK-208070	Units: mg/L		Analysis Date: 28-Feb-2024 17:14					
Client ID:	Run ID: ICPMS06_459992	SeqNo: 7859480		PrepDate: 28-Feb-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	ND	0.200							
Manganese	ND	0.00500							
LCS	Sample ID: LCS-208070	Units: mg/L		Analysis Date: 28-Feb-2024 17:16					
Client ID:	Run ID: ICPMS06_459992	SeqNo: 7859481		PrepDate: 28-Feb-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	5.157	0.200	5	0	103	80 - 120			
Manganese	0.0484	0.00500	0.05	0	96.8	80 - 120			
MS	Sample ID: HS24021519-01MS	Units: mg/L		Analysis Date: 28-Feb-2024 17:23					
Client ID: 4B21006-01	Run ID: ICPMS06_459992	SeqNo: 7859484		PrepDate: 28-Feb-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	5.365	0.200	5	0.5282	96.7	75 - 125			
Manganese	0.1392	0.00500	0.05	0.09305	92.4	75 - 125			
MSD	Sample ID: HS24021519-01MSD	Units: mg/L		Analysis Date: 28-Feb-2024 17:25					
Client ID: 4B21006-01	Run ID: ICPMS06_459992	SeqNo: 7859485		PrepDate: 28-Feb-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	5.378	0.200	5	0.5282	97.0	75 - 125	5.365	0.248	20
Manganese	0.1406	0.00500	0.05	0.09305	95.1	75 - 125	0.1392	0.991	20
PDS	Sample ID: HS24021519-01PDS	Units: mg/L		Analysis Date: 28-Feb-2024 17:27					
Client ID: 4B21006-01	Run ID: ICPMS06_459992	SeqNo: 7859486		PrepDate: 28-Feb-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	10.2	0.200	10	0.5282	96.7	75 - 125			
Manganese	0.1825	0.00500	0.1	0.09305	89.4	75 - 125			

ALS Houston, US

Date: 04-Mar-24

Client: Permian Basin Environmental Lab, LP

Project: 4B16002

WorkOrder: HS24021519

QC BATCH REPORT

Batch ID: 208070 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)							
SD	Sample ID: HS24021519-01SD		Units: mg/L		Analysis Date: 28-Feb-2024 17:21						
Client ID: 4B21006-01		Run ID: ICPMS06_459992		SeqNo: 7859483		PrepDate: 28-Feb-2024		DF: 5			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	Limit	Qual	
Iron	0.4945	1.00					0.5282	0	10	J	
Manganese	0.08938	0.0250					0.09305	3.95	10		
The following samples were analyzed in this batch:				HS24021519-01		HS24021519-02		HS24021519-03		HS24021519-04	
				HS24021519-05		HS24021519-06					

ALS Houston, US

Date: 04-Mar-24

Client: Permian Basin Environmental Lab, LP
Project: 4B16002
WorkOrder: HS24021519

QC BATCH REPORT

Batch ID: R460300 (0)		Instrument: TOC_05		Method: TOTAL ORGANIC CARBON BY E415.1						
MBLK	Sample ID: MBLK-03012024	Units: mg/L			Analysis Date: 01-Mar-2024 10:53					
Client ID:		Run ID: TOC_05_460300	SeqNo: 7864490		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-03012024	Units: mg/L			Analysis Date: 01-Mar-2024 11:08					
Client ID:		Run ID: TOC_05_460300	SeqNo: 7864491		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual	
Organic Carbon, Total	9.621	1.00	10	0	96.2	85 - 115				
LCSD	Sample ID: LCSD-03012024	Units: mg/L			Analysis Date: 01-Mar-2024 11:23					
Client ID:		Run ID: TOC_05_460300	SeqNo: 7864492		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual	
Organic Carbon, Total	9.48	1.00	10	0	94.8	85 - 115	9.621	1.48	20	
MS	Sample ID: HS24021519-01MS	Units: mg/L			Analysis Date: 01-Mar-2024 11:54					
Client ID: 4B21006-01		Run ID: TOC_05_460300	SeqNo: 7864494		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	17.33	1.00	10	7.491	98.4	80 - 120				
The following samples were analyzed in this batch:				HS24021519-01		HS24021519-02		HS24021519-03		HS24021519-04
				HS24021519-05		HS24021519-06				

ALS Houston, US

Date: 04-Mar-24

Client: Permian Basin Environmental Lab, LP
Project: 4B16002
WorkOrder: HS24021519

**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: 04-Mar-24

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L22-90-R2	31-Mar-2024
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Louisiana	03087 2023-2024	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624 - 2024	31-Dec-2024
North Dakota	R-193 2023-2024	30-Apr-2024
Oklahoma	2023-140	31-Aug-2024
Texas	T104704231-23-32	30-Apr-2024
Utah	TX026932023-14	31-Jul-2024

ALS Houston, US

Date: 04-Mar-24

Sample Receipt Checklist

Work Order ID: HS24021519

Date/Time Received: 23-Feb-2024 09:00

Client Name: Permian Basin Lab

Received by: Nelson D. Dusara

Completed By: /S/ Jacob Coronado	26-Feb-2024 15:17	Reviewed by:	
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):

3.4UC/3.3C IR31

Cooler(s)/Kit(s):

RED

Date/Time sample(s) sent to storage:

02/26/2024 1523

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: Time differ: Sample "4B210006-06" label=1438 COC=1435

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 BarronProject Name: SUBCONTRACTCompany 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 ☐ NPDESSampler Signature: N/Ae-mail: brentbarron@pbelab.com

ORDER #:		Preservation & # of Containers										Matrix		Analyze For:				STANDARD								
(LAB # lab use only)		Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	ICE	HNO ₃ 250 poly 1	HCl 3 40mL VOA	H ₂ SO ₄ 1 AMBER 500/250POLY	NaOH /Ascorbic Acid 250ML P	Na ₂ S ₂ O ₃	NONE 500 POLY	NONE 3 AMBER VOAA VIALS	BW-Drinking Water SL-Sludge	GW = Groundwater S-Soil/Solid	NP=Non-Portable Specify Other	Mn DISS ICP-MS 6020A	Fe DISS ICP-MS 6020A	RSKSDP 175 PPM	TOC-415.1	4B16002	HS24021519	24 HOUR RUSH	
	4B21006-01			2/20/2024	10:20	Y	5	X	X	X	X					W			X	X	X	X			X	
	4B21006-02			2/20/2024	10:55	Y	5	X	X	X	X					W			X	X	X	X			X	
	4B21006-03			2/20/2024	11:30	Y	5	X	X	X	X					W			X	X	X	X			X	
	4B21006-04			2/20/2024	12:40	Y	5	X	X	X	X					W			X	X	X	X			X	
	4B21006-05			2/20/2024	13:25	Y	5	X	X	X	X					W			X	X	X	X			X	
	4B21006-06			2/20/2024	14:35	Y	5	X	X	X	X					W			X	X	X	X			X	

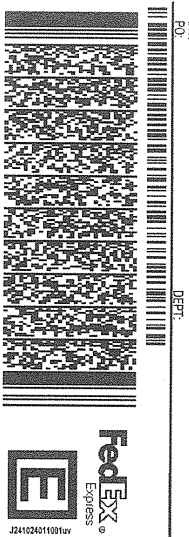
Relinquished by: Brent Barron				Date: 2/20/24	Time: 17:00	Received by:				Date:	Time:	Laboratory Comments:			
Relinquished by:				Date: 02/23/24	Time: 9:00	Received by: Nelson				Date:	Time:	Sample Containers Intact? Y N			
Relinquished by:				Date:	Time:	Received by:				Date:	Time:	VOCs Free of Headspace? 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) 696-7235
BRENT BARRON
PRE LAB
1400 PARKIN HWY
MIDLAND, TX 79701
UNITED STATES US

SHIP DATE: 2/27/2024
ACTWGHT: 30.00 LB
CADD: 10/136646INET/4335
DIMS: 15x17x9 IN
BILL RECIPIENT

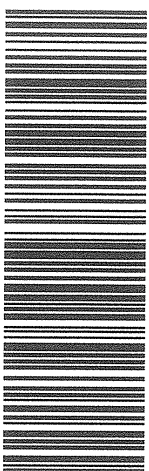
TO **SAMPLE RECEIVING**
ALS-HOUSTON
10450 STANCLIFF RD
HOUSTON TX 77099
REF: (251) 530-5615
NOV. 2021

DEPT: 583J6/194B/9AE3



TRK# 7752 8230 3217
[0201] FRI - 23 FEB 5:00P
STANDARD OVERNIGHT

AB SGRA
TX-US IAH
77099



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



Analytical Report

Prepared for:

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

Project: 98-05A
Project Number: SRS: TNM 98-05A
Location: Lea County, NM
Lab Order Number: 4B16001



Current Certification

Report Date: 02/20/24

TRC Solutions- Midland, Texas	Project: 98-05A
10 Desta Dr STE 150E	Project Number: SRS: TNM 98-05A
Midland TX, 79705	Project Manager: Jonathan Repman

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	4B16001-01	Water	02/15/24 17:08	02-16-2024 08:27
MW-2	4B16001-02	Water	02/15/24 17:38	02-16-2024 08:27

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

Project: 98-05A
Project Number: SRS: TNM 98-05A
Project Manager: Jonathan Repman

MW-1
4B16001-01 (Water)

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

BTEX by 8021B

Total BTEX	0.0218	0.00100	mg/L	1	[CALC]	02/16/24 12:13	02/17/24 00:35	EPA 8021B	
Xylenes (total)	0.0109	0.00100	mg/L	1	[CALC]	02/16/24 12:13	02/17/24 00:35	EPA 8021B	

Organics by GC

Benzene	0.00850	0.00100	mg/L	1	P4B1605	02/16/24 12:13	02/17/24 00:35	EPA 8021B	
Toluene	0.00244	0.00100	mg/L	1	P4B1605	02/16/24 12:13	02/17/24 00:35	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4B1605	02/16/24 12:13	02/17/24 00:35	EPA 8021B	
Xylene (p/m)	0.00243	0.00200	mg/L	1	P4B1605	02/16/24 12:13	02/17/24 00:35	EPA 8021B	
Xylene (o)	0.00846	0.00100	mg/L	1	P4B1605	02/16/24 12:13	02/17/24 00:35	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	88.7 %		80-120		P4B1605	02/16/24 12:13	02/17/24 00:35	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	85.2 %		80-120		P4B1605	02/16/24 12:13	02/17/24 00:35	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: 98-05A
Project Number: SRS: TNM 98-05A
Project Manager: Jonathan Repman

MW-2
4B16001-02 (Water)

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

BTEX by 8021B

Total BTEX	0.526	0.00100	mg/L	1	[CALC]	02/16/24 12:13	02/17/24 00:59	EPA 8021B
Xylenes (total)	0.368	0.00100	mg/L	1	[CALC]	02/16/24 12:13	02/17/24 00:59	EPA 8021B

Organics by GC

Benzene	0.0544	0.00100	mg/L	1	P4B1605	02/16/24 12:13	02/17/24 00:59	EPA 8021B
Toluene	0.0190	0.00100	mg/L	1	P4B1605	02/16/24 12:13	02/17/24 00:59	EPA 8021B
Ethylbenzene	0.0845	0.00100	mg/L	1	P4B1605	02/16/24 12:13	02/17/24 00:59	EPA 8021B
Xylene (p/m)	0.304	0.00200	mg/L	1	P4B1605	02/16/24 12:13	02/17/24 00:59	EPA 8021B
Xylene (o)	0.0642	0.00100	mg/L	1	P4B1605	02/16/24 12:13	02/17/24 00:59	EPA 8021B

Surrogate: 4-Bromofluorobenzene	96.2 %	80-120		P4B1605	02/16/24 12:13	02/17/24 00:59	EPA 8021B
Surrogate: 1,4-Difluorobenzene	82.9 %	80-120		P4B1605	02/16/24 12:13	02/17/24 00:59	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: 98-05A
Project Number: SRS: TNM 98-05A
Project Manager: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4B1605 - * DEFAULT PREP *****

Blank (P4B1605-BLK1)

Prepared & Analyzed: 02/16/24

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.106		"	0.120		88.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.108		"	0.120		89.8	80-120			

LCS (P4B1605-BS1)

Prepared & Analyzed: 02/16/24

Benzene	0.108	0.00100	mg/L	0.100		108	80-120			
Toluene	0.0952	0.00100	"	0.100		95.2	80-120			
Ethylbenzene	0.0939	0.00100	"	0.100		93.9	80-120			
Xylene (p/m)	0.184	0.00200	"	0.200		91.9	80-120			
Xylene (o)	0.0805	0.00100	"	0.100		80.5	80-120			
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120		87.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		91.2	80-120			

LCS Dup (P4B1605-BSD1)

Prepared & Analyzed: 02/16/24

Benzene	0.103	0.00100	mg/L	0.100		103	80-120	4.16	20	
Toluene	0.0906	0.00100	"	0.100		90.6	80-120	4.99	20	
Ethylbenzene	0.0884	0.00100	"	0.100		88.4	80-120	6.06	20	
Xylene (p/m)	0.175	0.00200	"	0.200		87.3	80-120	5.16	20	
Xylene (o)	0.0804	0.00100	"	0.100		80.4	80-120	0.186	20	
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120		87.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.108		"	0.120		90.0	80-120			

Calibration Blank (P4B1605-CCB1)

Prepared & Analyzed: 02/16/24

Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.107		"	0.120		88.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.108		"	0.120		89.6	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: 98-05A
Project Number: SRS: TNM 98-05A
Project Manager: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4B1605 - * DEFAULT PREP *****

Calibration Blank (P4B1605-CCB2)

Prepared & Analyzed: 02/16/24

Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.160		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.104		"	0.120		86.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.107		"	0.120		89.5	80-120			

Calibration Check (P4B1605-CCV1)

Prepared & Analyzed: 02/16/24

Benzene	0.111	0.00100	mg/L	0.100		111	80-120			
Toluene	0.0980	0.00100	"	0.100		98.0	80-120			
Ethylbenzene	0.0962	0.00100	"	0.100		96.2	80-120			
Xylene (p/m)	0.188	0.00200	"	0.200		93.8	80-120			
Xylene (o)	0.0827	0.00100	"	0.100		82.7	80-120			
Surrogate: 4-Bromofluorobenzene	0.101		"	0.120		84.5	80-120			
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		91.0	80-120			

Calibration Check (P4B1605-CCV2)

Prepared & Analyzed: 02/16/24

Benzene	0.106	0.00100	mg/L	0.100		106	80-120			
Toluene	0.0945	0.00100	"	0.100		94.5	80-120			
Ethylbenzene	0.0926	0.00100	"	0.100		92.6	80-120			
Xylene (p/m)	0.182	0.00200	"	0.200		91.1	80-120			
Xylene (o)	0.0806	0.00100	"	0.100		80.6	80-120			
Surrogate: 4-Bromofluorobenzene	0.101		"	0.120		84.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.107		"	0.120		89.5	80-120			

Calibration Check (P4B1605-CCV3)

Prepared: 02/16/24 Analyzed: 02/17/24

Benzene	0.117	0.00100	mg/L	0.100		117	80-120			
Toluene	0.101	0.00100	"	0.100		101	80-120			
Ethylbenzene	0.0922	0.00100	"	0.100		92.2	80-120			
Xylene (p/m)	0.191	0.00200	"	0.200		95.6	80-120			
Xylene (o)	0.0862	0.00100	"	0.100		86.2	80-120			
Surrogate: 4-Bromofluorobenzene	0.102		"	0.120		85.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.110		"	0.120		91.8	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	Project: 98-05A
10 Desta Dr STE 150E	Project Number: SRS: TNM 98-05A
Midland TX, 79705	Project Manager: Jonathan Repman

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4B1605 - *** DEFAULT PREP ***

Matrix Spike (P4B1605-MS1)		Source: 4B15004-01		Prepared: 02/16/24		Analyzed: 02/17/24				
Benzene	0.112	0.00100	mg/L	0.100	ND	112	80-120			
Toluene	0.0949	0.00100	"	0.100	ND	94.9	80-120			
Ethylbenzene	0.0918	0.00100	"	0.100	ND	91.8	80-120			
Xylene (p/m)	0.180	0.00200	"	0.200	ND	89.9	80-120			
Xylene (o)	0.0791	0.00100	"	0.100	ND	79.1	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120		87.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.1	80-120			
Matrix Spike Dup (P4B1605-MSD1)		Source: 4B15004-01		Prepared: 02/16/24		Analyzed: 02/17/24				
Benzene	0.111	0.00100	mg/L	0.100	ND	111	80-120	0.673	20	
Toluene	0.0948	0.00100	"	0.100	ND	94.8	80-120	0.0843	20	
Ethylbenzene	0.0918	0.00100	"	0.100	ND	91.8	80-120	0.0653	20	
Xylene (p/m)	0.180	0.00200	"	0.200	ND	90.2	80-120	0.261	20	
Xylene (o)	0.0790	0.00100	"	0.100	ND	79.0	80-120	0.101	20	QM-05
Surrogate: 4-Bromofluorobenzene	0.104		"	0.120		86.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.5	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
Project Number: SRS: TNM 98-05A
Project Manager: Jonathan Repman

Notes and Definitions

ROI Received on Ice

QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

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

NPBEL C Chain of Custody was not generated at PBELAB

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

2/20/2024

Brent Barron, Laboratory Director/Technical Director

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

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05A
Project Number: SRS: TNM 98-05A
Project Manager: Jonathan Repman

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**

Page 1 of 1

Project Manager: Jonathan Repman

Company Name TRC Environmental Corporation

Company Address: 10 Desta Drive, Ste 130E

City/State/Zip: Midland TX 79705

Telephone No: (432) 955-3561

Sampler Signature: Michael H. ...

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Imedina@trccompanies.com

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

PO #

Project Loc: Lea County, NM

Project #: SRS: TNM 98-05A

Project Name: 98-05A

Page 10 of 10

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



Analytical Report

Prepared for:

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Location: Lea County, NM
Lab Order Number: 4E16001



Current Certification

Report Date: 06/05/24

TRC Solutions- Midland, Texas	Project: 98-05A_MNA
10 Desta Dr STE 150E	Project Number: TNM 98-05A
Midland TX, 79705	Project Manager: Jonathan Repman

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-3	4E16001-01	Water	05/15/24 11:05	05-16-2024 08:49
MW-5	4E16001-02	Water	05/15/24 12:13	05-16-2024 08:49
MW-6	4E16001-03	Water	05/15/24 14:25	05-16-2024 08:49
MW-12	4E16001-04	Water	05/15/24 15:42	05-16-2024 08:49
MW-13	4E16001-05	Water	05/15/24 16:35	05-16-2024 08:49
MW-10	4E16001-06	Water	05/15/24 17:28	05-16-2024 08:49

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Jonathan Repman

MW-3
4E16001-01 (Water)

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

BTEX by 8021B

Total BTEX	ND	0.00100	mg/L	1	[CALC]	05/16/24 13:31	05/16/24 16:30	EPA 8021B
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	05/16/24 13:31	05/16/24 16:30	EPA 8021B

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4E1614	05/16/24 13:31	05/16/24 16:30	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P4E1614	05/16/24 13:31	05/16/24 16:30	EPA 8021B
Ethylbenzene	ND	0.00100	mg/L	1	P4E1614	05/16/24 13:31	05/16/24 16:30	EPA 8021B
Xylene (p/m)	ND	0.00200	mg/L	1	P4E1614	05/16/24 13:31	05/16/24 16:30	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P4E1614	05/16/24 13:31	05/16/24 16:30	EPA 8021B
Surrogate: 4-Bromofluorobenzene	110 %	80-120			P4E1614	05/16/24 13:31	05/16/24 16:30	EPA 8021B
Surrogate: 1,4-Difluorobenzene	88.1 %	80-120			P4E1614	05/16/24 13:31	05/16/24 16:30	EPA 8021B
Ethane	ND	1.00	mg/L	1	P4F0516	05/21/24 15:40	05/21/24 15:40	8015M
Ethene	ND	1.00	mg/L	1	P4F0516	05/21/24 15:40	05/21/24 15:40	8015M
Methane	ND	0.500	mg/L	1	P4F0516	05/21/24 15:40	05/21/24 15:40	8015M

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	6.00	2.00	mg/L	1	P4E2106	05/31/24 10:53	05/31/24 15:16	8000
Nitrate as N	ND	0.200	mg/L	1	P4E1703	05/17/24 11:03	05/20/24 10:10	EPA 300.0
Sulfate	174	10.0	mg/L	10	P4E1704	05/17/24 11:14	05/21/24 12:50	EPA 300.0
Total Organic Carbon	9.05	1.00	mg/L	1	P4F0516	06/05/24 11:16	06/05/24 11:16	EPA 415.1

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.0100	mg/L	1	P4F0516	05/23/24 08:30	05/23/24 19:32	EPA 6020A
Manganese	0.00878	0.000570	mg/L	1	P4F0516	05/23/24 08:30	05/23/24 19:32	EPA 6020A

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: Jonathan Repman

MW-5
4E16001-02 (Water)

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

BTEX by 8021B

Total BTEX	ND	0.00100	mg/L	1	[CALC]	05/16/24 13:31	05/16/24 16:52	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	05/16/24 13:31	05/16/24 16:52	EPA 8021B	

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4E1614	05/16/24 13:31	05/16/24 16:52	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4E1614	05/16/24 13:31	05/16/24 16:52	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4E1614	05/16/24 13:31	05/16/24 16:52	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4E1614	05/16/24 13:31	05/16/24 16:52	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4E1614	05/16/24 13:31	05/16/24 16:52	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	109 %	80-120			P4E1614	05/16/24 13:31	05/16/24 16:52	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	88.8 %	80-120			P4E1614	05/16/24 13:31	05/16/24 16:52	EPA 8021B	
Ethane	ND	1.00	mg/L	1	P4F0516	05/21/24 15:53	05/21/24 15:53	8015M	
Ethene	ND	1.00	mg/L	1	P4F0516	05/21/24 15:53	05/21/24 15:53	8015M	
Methane	ND	0.500	mg/L	1	P4F0516	05/21/24 15:53	05/21/24 15:53	8015M	

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	2.00	2.00	mg/L	1	P4E2106	05/31/24 10:53	05/31/24 15:16	8000	
Nitrate as N	ND	0.200	mg/L	1	P4E1703	05/17/24 11:03	05/20/24 11:34	EPA 300.0	
Sulfate	177	1.00	mg/L	1	P4E1704	05/17/24 11:14	05/21/24 13:42	EPA 300.0	
Total Organic Carbon	7.96	1.00	mg/L	1	P4F0516	06/05/24 11:16	06/05/24 11:16	EPA 415.1	

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.0100	mg/L	1	P4F0516	05/23/24 08:30	05/23/24 19:52	EPA 6020A	
Manganese	0.00947	0.000570	mg/L	1	P4F0516	05/23/24 08:30	06/05/24 11:16	EPA 6020A	

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: Jonathan Repman

MW-6
4E16001-03 (Water)

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

BTEX by 8021B

Total BTEX	ND	0.00100	mg/L	1	[CALC]	05/16/24 13:31	05/16/24 17:15	EPA 8021B
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	05/16/24 13:31	05/16/24 17:15	EPA 8021B

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4E1614	05/16/24 13:31	05/16/24 17:15	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P4E1614	05/16/24 13:31	05/16/24 17:15	EPA 8021B
Ethylbenzene	ND	0.00100	mg/L	1	P4E1614	05/16/24 13:31	05/16/24 17:15	EPA 8021B
Xylene (p/m)	ND	0.00200	mg/L	1	P4E1614	05/16/24 13:31	05/16/24 17:15	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P4E1614	05/16/24 13:31	05/16/24 17:15	EPA 8021B
Surrogate: 4-Bromofluorobenzene	110 %	80-120			P4E1614	05/16/24 13:31	05/16/24 17:15	EPA 8021B
Surrogate: 1,4-Difluorobenzene	88.9 %	80-120			P4E1614	05/16/24 13:31	05/16/24 17:15	EPA 8021B
Ethane	ND	1.00	mg/L	1	P4F0516	05/21/24 16:03	05/21/24 16:03	8015M
Ethene	ND	1.00	mg/L	1	P4F0516	05/21/24 16:03	05/21/24 16:03	8015M
Methane	ND	0.500	mg/L	1	P4F0516	05/21/24 16:03	05/21/24 16:03	8015M

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	3.00	2.00	mg/L	1	P4E2106	05/31/24 10:53	05/31/24 15:16	8000
Nitrate as N	1.38	0.200	mg/L	1	P4E1703	05/17/24 11:03	05/20/24 11:51	EPA 300.0
Sulfate	147	1.00	mg/L	1	P4E1704	05/17/24 11:14	05/21/24 14:00	EPA 300.0
Total Organic Carbon	5.44	1.00	mg/L	1	P4F0516	06/05/24 11:16	06/05/24 11:16	EPA 415.1

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.0100	mg/L	1	P4F0516	05/23/24 08:30	05/23/24 19:55	EPA 6020A
Manganese	0.0111	0.000570	mg/L	1	P4F0516	05/23/24 08:30	05/23/24 19:55	EPA 6020A

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: Jonathan Repman

MW-12
4E16001-04 (Water)

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

BTEX by 8021B

Total BTEX	ND	0.00100	mg/L	1	[CALC]	05/16/24 13:31	05/16/24 17:37	EPA 8021B
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	05/16/24 13:31	05/16/24 17:37	EPA 8021B

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4E1614	05/16/24 13:31	05/16/24 17:37	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P4E1614	05/16/24 13:31	05/16/24 17:37	EPA 8021B
Ethylbenzene	ND	0.00100	mg/L	1	P4E1614	05/16/24 13:31	05/16/24 17:37	EPA 8021B
Xylene (p/m)	ND	0.00200	mg/L	1	P4E1614	05/16/24 13:31	05/16/24 17:37	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P4E1614	05/16/24 13:31	05/16/24 17:37	EPA 8021B
Surrogate: 4-Bromofluorobenzene	111 %	80-120			P4E1614	05/16/24 13:31	05/16/24 17:37	EPA 8021B
Surrogate: 1,4-Difluorobenzene	89.3 %	80-120			P4E1614	05/16/24 13:31	05/16/24 17:37	EPA 8021B
Ethane	ND	1.00	mg/L	1	P4F0516	05/21/24 16:12	05/21/24 16:12	8015M
Ethene	ND	1.00	mg/L	1	P4F0516	05/21/24 16:12	05/21/24 16:12	8015M
Methane	ND	0.500	mg/L	1	P4F0516	05/21/24 16:12	05/21/24 16:50	8015M

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	26.0	2.00	mg/L	1	P4E2106	05/31/24 10:53	05/31/24 15:16	8000
Nitrate as N	ND	0.200	mg/L	1	P4E1703	05/17/24 11:03	05/20/24 12:08	EPA 300.0
Sulfate	138	1.00	mg/L	1	P4E1704	05/17/24 11:14	05/21/24 14:17	EPA 300.0
Total Organic Carbon	3.92	1.00	mg/L	1	P4F0516	06/05/24 11:16	06/05/24 11:16	EPA 415.1

Dissolved Metals by EPA / Standard Methods

Iron	0.345	0.0100	mg/L	1	P4F0516	05/23/24 08:30	05/23/24 19:57	EPA 6020A
Manganese	0.0477	0.000570	mg/L	1	P4F0516	05/23/24 08:30	05/23/24 19:57	EPA 6020A

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: Jonathan Repman

MW-13
4E16001-05 (Water)

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

BTEX by 8021B

Total BTEX	2.66	0.00100	mg/L	10	[CALC]	05/16/24 13:31	05/17/24 10:11	EPA 8021B
Xylenes (total)	0.0101	0.00100	mg/L	1	[CALC]	05/16/24 13:31	05/17/24 10:11	EPA 8021B

Organics by GC

Benzene	2.63	0.0100	mg/L	10	P4E1614	05/16/24 13:31	05/16/24 17:59	EPA 8021B
Toluene	0.00250	0.00100	mg/L	1	P4E1614	05/16/24 13:31	05/17/24 10:11	EPA 8021B
Ethylbenzene	0.0131	0.00100	mg/L	1	P4E1614	05/16/24 13:31	05/17/24 10:11	EPA 8021B
Xylene (p/m)	0.00811	0.00200	mg/L	1	P4E1614	05/16/24 13:31	05/17/24 10:11	EPA 8021B
Xylene (o)	0.00202	0.00100	mg/L	1	P4E1614	05/16/24 13:31	05/17/24 10:11	EPA 8021B

Surrogate: 4-Bromofluorobenzene 93.6 % 80-120 P4E1614 05/16/24 13:31 05/17/24 10:11 EPA 8021B

Surrogate: 1,4-Difluorobenzene 104 % 80-120 P4E1614 05/16/24 13:31 05/17/24 10:11 EPA 8021B

Ethane ND 1.00 mg/L 1 P4F0516 05/21/24 16:59 05/21/24 16:59 8015M

Ethene ND 1.00 mg/L 1 P4F0516 05/21/24 16:59 05/21/24 16:59 8015M

Methane ND 0.500 mg/L 1 P4F0516 05/21/24 16:59 05/21/24 16:59 8015M

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	43.0	2.00	mg/L	1	P4E2106	05/31/24 10:53	05/31/24 15:16	8000
Nitrate as N	ND	0.200	mg/L	1	P4E1703	05/17/24 11:03	05/20/24 12:26	EPA 300.0
Sulfate	24.5	1.00	mg/L	1	P4E1704	05/17/24 11:14	05/21/24 14:34	EPA 300.0
Total Organic Carbon	16.0	1.00	mg/L	1	P4F0516	06/05/24 11:16	06/05/24 11:16	EPA 415.1

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.0100	mg/L	1	P4F0516	05/23/24 08:30	05/23/24 20:00	EPA 6020A
Manganese	0.115	0.000570	mg/L	1	P4F0516	05/23/24 08:30	05/23/24 20:00	EPA 6020A

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: Jonathan Repman

MW-10
4E16001-06 (Water)

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

BTEX by 8021B

Total BTEX	0.111	0.00100	mg/L	1	[CALC]	05/16/24 13:31	05/16/24 18:21	EPA 8021B	
Xylenes (total)	0.0386	0.00100	mg/L	1	[CALC]	05/16/24 13:31	05/16/24 18:21	EPA 8021B	

Organics by GC

Benzene	0.0329	0.00100	mg/L	1	P4E1614	05/16/24 13:31	05/16/24 18:21	EPA 8021B	
Toluene	0.0182	0.00100	mg/L	1	P4E1614	05/16/24 13:31	05/16/24 18:21	EPA 8021B	
Ethylbenzene	0.0209	0.00100	mg/L	1	P4E1614	05/16/24 13:31	05/16/24 18:21	EPA 8021B	
Xylene (p/m)	0.0219	0.00200	mg/L	1	P4E1614	05/16/24 13:31	05/16/24 18:21	EPA 8021B	
Xylene (o)	0.0167	0.00100	mg/L	1	P4E1614	05/16/24 13:31	05/16/24 18:21	EPA 8021B	

Surrogate: 4-Bromofluorobenzene 102 % 80-120 P4E1614 05/16/24 13:31 05/16/24 18:21 EPA 8021B

Surrogate: 1,4-Difluorobenzene 84.1 % 80-120 P4E1614 05/16/24 13:31 05/16/24 18:21 EPA 8021B

Ethane	ND	1.00	mg/L	1	P4F0516	05/21/24 16:31	05/21/24 16:31	8015M	
Ethene	ND	1.00	mg/L	1	P4F0516	05/21/24 16:31	05/21/24 16:31	8015M	
Methane	ND	0.500	mg/L	1	P4F0516	05/21/24 16:31	05/21/24 17:07	8015M	

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	14.0	2.00	mg/L	1	P4E2106	05/31/24 10:53	05/31/24 15:16	8000	
Nitrate as N	ND	0.200	mg/L	1	P4E1703	05/17/24 11:03	05/20/24 12:43	EPA 300.0	
Sulfate	47.9	1.00	mg/L	1	P4E1704	05/17/24 11:14	05/21/24 14:52	EPA 300.0	
Total Organic Carbon	15.2	1.00	mg/L	1	P4F0516	06/05/24 11:16	06/05/24 11:16	EPA 415.1	

Dissolved Metals by EPA / Standard Methods

Iron	0.284	0.0100	mg/L	1	P4F0516	05/23/24 08:30	05/23/24 20:02	EPA 6020A	
Manganese	0.167	0.000570	mg/L	1	P4F0516	05/23/24 08:30	05/23/24 20:02	EPA 6020A	

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: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4E1614 - * DEFAULT PREP *****

Blank (P4E1614-BLK1)

Prepared & Analyzed: 05/16/24

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.131		"	0.120		109	80-120			
Surrogate: 1,4-Difluorobenzene	0.105		"	0.120		87.7	80-120			

LCS (P4E1614-BS1)

Prepared & Analyzed: 05/16/24

Benzene	0.105	0.00100	mg/L	0.100		105	80-120			
Toluene	0.109	0.00100	"	0.100		109	80-120			
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120			
Xylene (p/m)	0.239	0.00200	"	0.200		119	80-120			
Xylene (o)	0.107	0.00100	"	0.100		107	80-120			
Surrogate: 4-Bromofluorobenzene	0.129		"	0.120		107	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.7	80-120			

LCS Dup (P4E1614-BSD1)

Prepared & Analyzed: 05/16/24

Benzene	0.104	0.00100	mg/L	0.100		104	80-120	0.678	20	
Toluene	0.108	0.00100	"	0.100		108	80-120	1.15	20	
Ethylbenzene	0.117	0.00100	"	0.100		117	80-120	2.13	20	
Xylene (p/m)	0.236	0.00200	"	0.200		118	80-120	0.892	20	
Xylene (o)	0.106	0.00100	"	0.100		106	80-120	0.986	20	
Surrogate: 4-Bromofluorobenzene	0.129		"	0.120		108	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.6	80-120			

Calibration Blank (P4E1614-CCB1)

Prepared & Analyzed: 05/16/24

Benzene	0.200		ug/l							
Toluene	0.130		"							
Ethylbenzene	0.0600		"							
Xylene (p/m)	0.110		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.132		"	0.120		110	80-120			
Surrogate: 1,4-Difluorobenzene	0.104		"	0.120		86.8	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: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4E1614 - * DEFAULT PREP *****

Calibration Blank (P4E1614-CCB2)

Prepared & Analyzed: 05/16/24

Benzene	0.120		ug/l							
Toluene	0.110		"							
Ethylbenzene	0.180		"							
Xylene (p/m)	0.230		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.130		"	0.120		108	80-120			
Surrogate: 1,4-Difluorobenzene	0.110		"	0.120		91.8	80-120			

Calibration Check (P4E1614-CCV1)

Prepared & Analyzed: 05/16/24

Benzene	0.108	0.00100	mg/L	0.100		108	80-120			
Toluene	0.113	0.00100	"	0.100		113	80-120			
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120			
Xylene (p/m)	0.239	0.00200	"	0.200		119	80-120			
Xylene (o)	0.110	0.00100	"	0.100		110	80-120			
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		100	80-120			
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		90.9	80-120			

Calibration Check (P4E1614-CCV2)

Prepared & Analyzed: 05/16/24

Benzene	0.111	0.00100	mg/L	0.100		111	80-120			
Toluene	0.116	0.00100	"	0.100		116	80-120			
Ethylbenzene	0.120	0.00100	"	0.100		120	80-120			
Xylene (p/m)	0.239	0.00200	"	0.200		120	80-120			
Xylene (o)	0.115	0.00100	"	0.100		115	80-120			
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120		91.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.104		"	0.120		86.5	80-120			

Calibration Check (P4E1614-CCV3)

Prepared & Analyzed: 05/16/24

Benzene	0.112	0.00100	mg/L	0.100		112	80-120			
Toluene	0.116	0.00100	"	0.100		116	80-120			
Ethylbenzene	0.120	0.00100	"	0.100		120	80-120			
Xylene (p/m)	0.239	0.00200	"	0.200		120	80-120			
Xylene (o)	0.114	0.00100	"	0.100		114	80-120			
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.5	80-120			
Surrogate: 1,4-Difluorobenzene	0.112		"	0.120		93.6	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	Project: 98-05A_MNA
10 Desta Dr STE 150E	Project Number: TNM 98-05A
Midland TX, 79705	Project Manager: Jonathan Repman

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4E1614 - *** DEFAULT PREP ***

Matrix Spike (P4E1614-MS1)		Source: 4E16001-01		Prepared & Analyzed: 05/16/24						
Benzene	0.109	0.00100	mg/L	0.100	ND	109	80-120			
Toluene	0.113	0.00100	"	0.100	ND	113	80-120			
Ethylbenzene	0.133	0.00100	"	0.100	ND	133	80-120			QM-05
Xylene (p/m)	0.247	0.00200	"	0.200	ND	124	80-120			QM-05
Xylene (o)	0.108	0.00100	"	0.100	ND	108	80-120			
Surrogate: 4-Bromofluorobenzene	0.126		"	0.120		105	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		99.7	80-120			
Matrix Spike Dup (P4E1614-MSD1)		Source: 4E16001-01		Prepared & Analyzed: 05/16/24						
Benzene	0.116	0.00100	mg/L	0.100	ND	116	80-120	5.74	20	
Toluene	0.120	0.00100	"	0.100	ND	120	80-120	6.05	20	
Ethylbenzene	0.142	0.00100	"	0.100	ND	142	80-120	6.80	20	QM-05
Xylene (p/m)	0.263	0.00200	"	0.200	ND	132	80-120	6.23	20	QM-05
Xylene (o)	0.115	0.00100	"	0.100	ND	115	80-120	6.56	20	
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		103	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.5	80-120			

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4E1703 - * DEFAULT PREP *****

Blank (P4E1703-BLK1)

Prepared: 05/17/24 Analyzed: 05/20/24

Nitrate as N	ND	0.200	mg/L
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LCS (P4E1703-BS1)

Prepared: 05/17/24 Analyzed: 05/20/24

Nitrate as N	20.2		mg/L	20.0	101	90-110
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LCS Dup (P4E1703-BSD1)

Prepared: 05/17/24 Analyzed: 05/20/24

Nitrate as N	20.1		mg/L	20.0	100	90-110	0.681	10
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Calibration Check (P4E1703-CCV1)

Prepared: 05/17/24 Analyzed: 05/20/24

Nitrate as N	20.1		mg/L	20.0	101	90-110
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Calibration Check (P4E1703-CCV2)

Prepared: 05/17/24 Analyzed: 05/20/24

Nitrate as N	20.2		mg/L	20.0	101	90-110
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Matrix Spike (P4E1703-MS1)

Source: 4E16001-01

Prepared: 05/17/24 Analyzed: 05/20/24

Nitrate as N	21.0		mg/L	20.0	0.112	105	80-120
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Matrix Spike Dup (P4E1703-MSD1)

Source: 4E16001-01

Prepared: 05/17/24 Analyzed: 05/20/24

Nitrate as N	21.0		mg/L	20.0	0.112	105	80-120	0.0713	20
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Batch P4E1704 - * DEFAULT PREP *****

Blank (P4E1704-BLK1)

Prepared: 05/17/24 Analyzed: 05/21/24

Sulfate	ND	1.00	mg/L
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LCS (P4E1704-BS1)

Prepared: 05/17/24 Analyzed: 05/21/24

Sulfate	19.3		mg/L	20.0	96.5	90-110
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Permian Basin Environmental Lab, L.P.

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

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

TRC Solutions- Midland, Texas	Project: 98-05A_MNA
10 Desta Dr STE 150E	Project Number: TNM 98-05A
Midland TX, 79705	Project Manager: Jonathan Repman

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4E1704 - *** DEFAULT PREP ***

LCS Dup (P4E1704-BSD1)				Prepared: 05/17/24 Analyzed: 05/21/24						
Sulfate	19.4		mg/L	20.0		96.9	90-110	0.476	10	
Calibration Check (P4E1704-CCV1)				Prepared: 05/17/24 Analyzed: 05/21/24						
Sulfate	19.4		mg/L	20.0		97.1	90-110			
Calibration Check (P4E1704-CCV2)				Prepared: 05/17/24 Analyzed: 05/21/24						
Sulfate	19.7		mg/L	20.0		98.5	90-110			
Matrix Spike (P4E1704-MS1)		Source: 4E16001-01		Prepared: 05/17/24 Analyzed: 05/21/24						
Sulfate	119		mg/L	90.0	17.4	112	80-120			
Matrix Spike Dup (P4E1704-MSD1)		Source: 4E16001-01		Prepared: 05/17/24 Analyzed: 05/21/24						
Sulfate	118		mg/L	90.0	17.4	112	80-120	0.105	20	

Batch P4E2106 - *** DEFAULT PREP ***

Blank (P4E2106-BLK1)				Prepared & Analyzed: 05/31/24						
Chemical Oxygen Demand	ND	2.00	mg/L							
LCS (P4E2106-BS1)				Prepared & Analyzed: 05/31/24						
Chemical Oxygen Demand	1070	2.00	mg/L	1000		107	80-120			
LCS Dup (P4E2106-BSD1)				Prepared & Analyzed: 05/31/24						
Chemical Oxygen Demand	1100	2.00	mg/L	1000		110	80-120	2.94	20	
Calibration Check (P4E2106-CCV1)				Prepared & Analyzed: 05/31/24						
Chemical Oxygen Demand	915	2.00	mg/L				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: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4E2106 - *** DEFAULT PREP ***										
Calibration Check (P4E2106-CCV2)				Prepared & Analyzed: 05/31/24						
Chemical Oxygen Demand	913	2.00	mg/L				80-120			
Duplicate (P4E2106-DUP1)				Source: 4E08006-01 Prepared & Analyzed: 05/31/24						
Chemical Oxygen Demand	ND	2.00	mg/L		ND				20	
Duplicate (P4E2106-DUP2)				Source: 4E16001-01 Prepared & Analyzed: 05/31/24						
Chemical Oxygen Demand	21.0	2.00	mg/L		6.00			111	20	R2
Matrix Spike (P4E2106-MS1)				Source: 4E08006-01 Prepared & Analyzed: 05/31/24						
Chemical Oxygen Demand	91.0	2.00	mg/L	1000	ND	9.10	80-120			
Matrix Spike (P4E2106-MS2)				Source: 4E16001-01 Prepared & Analyzed: 05/31/24						
Chemical Oxygen Demand	73.0	2.00	mg/L	1000	6.00	6.70	80-120			
Matrix Spike Dup (P4E2106-MSD1)				Source: 4E08006-01 Prepared & Analyzed: 05/31/24						
Chemical Oxygen Demand	78.0	2.00	mg/L	1000	ND	7.80	80-120	15.4	20	
Matrix Spike Dup (P4E2106-MSD2)				Source: 4E16001-01 Prepared & Analyzed: 05/31/24						
Chemical Oxygen Demand	30.0	2.00	mg/L	1000	6.00	2.40	80-120	83.5	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: Jonathan Repman

Notes and Definitions

ROI Received on Ice

R2 The RPD exceeded the acceptance limit.

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:

6/5/2024

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: Jonathan Repman

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

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

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235
PBELAB SUB COC V2

Project Manager: Brent Barron

Project Name: SUBCONTRACT

Company Name PBEL

Project #:

Company Address: 1400 Rankin HWY

Project Loc:

City/State/Zip: Midland Texas 79701

PO #:

Telephone No: 432-661-4184

Fax No:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: N/A

e-mail: brentbarron@pbelab.com

[illegible]



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

May 29, 2024

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

Work Order: **HS24051128**

Laboratory Results for: **4E16001**

Dear Brent Barron,

ALS Environmental received 6 sample(s) on May 20, 2024 for the analysis presented in the following report.

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

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

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

Sincerely,

Generated By: DAYNA.FISHER

Anna Kinchen
Project Manager

ALS Houston, US

Date: 29-May-24

Client: Permian Basin Environmental Lab, LP

Project: 4E16001

Work Order: HS24051128

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24051128-01	4E16001-01	Water		15-May-2024 11:05	20-May-2024 09:00	☐
HS24051128-02	4E16001-02	Water		15-May-2024 12:13	20-May-2024 09:00	☐
HS24051128-03	4E16001-03	Water		15-May-2024 14:25	20-May-2024 09:00	☐
HS24051128-04	4E16001-04	Water		15-May-2024 15:42	20-May-2024 09:00	☐
HS24051128-05	4E16001-05	Water		15-May-2024 16:35	20-May-2024 09:00	☐
HS24051128-06	4E16001-06	Water		15-May-2024 17:28	20-May-2024 09:00	☐

ALS Houston, US

Date: 29-May-24

Client: Permian Basin Environmental Lab, LP
Project: 4E16001
Work Order: HS24051128

CASE NARRATIVE**Work Order Comments**

- The samples were received at 23.5 °C which is outside of the recommended temperature acceptance (0 to 6 °C). The client was notified via email on 05-21-24.

GC Semivolatiles by Method RSK-175**Batch ID: R467330**

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

Metals by Method SW6020A**Batch ID: 212379**

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

WetChemistry by Method E415.1**Batch ID: R467573,R467893**

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

ALS Houston, US

Date: 29-May-24

Client:Permian Basin Environmental Lab, LP

Project:4E16001

Sample ID:4E16001-01

Collection Date:15-May-2024 11:05

ANALYTICAL REPORT

WorkOrder:HS24051128

Lab ID:HS24051128-01

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	21-May-2024 15:40
Ethene	ND		1.00	ug/L	1	21-May-2024 15:40
Methane	0.896		0.500	ug/L	1	21-May-2024 15:40
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 23-May-2024		Analyst: JC
Iron	ND		0.200	mg/L	1	23-May-2024 19:32
Manganese	0.00878		0.00500	mg/L	1	23-May-2024 19:32
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	9.05		1.00	mg/L	1	27-May-2024 15:11

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

ALS Houston, US

Date: 29-May-24

Client:Permian Basin Environmental Lab, LP

Project:4E16001

Sample ID:4E16001-02

Collection Date:15-May-2024 12:13

ANALYTICAL REPORT

WorkOrder:HS24051128

Lab ID:HS24051128-02

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	21-May-2024 15:53
Ethene	ND		1.00	ug/L	1	21-May-2024 15:53
Methane	0.727		0.500	ug/L	1	21-May-2024 15:53
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 23-May-2024		Analyst: JC
Iron	ND		0.200	mg/L	1	23-May-2024 19:52
Manganese	0.00947		0.00500	mg/L	1	23-May-2024 19:52
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	7.96		1.00	mg/L	1	27-May-2024 15:11

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

ALS Houston, US

Date: 29-May-24

Client:Permian Basin Environmental Lab, LP

Project:4E16001

Sample ID:4E16001-03

Collection Date:15-May-2024 14:25

ANALYTICAL REPORT

WorkOrder:HS24051128

Lab ID:HS24051128-03

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	21-May-2024 16:03
Ethene	ND		1.00	ug/L	1	21-May-2024 16:03
Methane	6.70		0.500	ug/L	1	21-May-2024 16:03
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 23-May-2024 Analyst: JC		
Iron	ND		0.200	mg/L	1	23-May-2024 19:55
Manganese	0.0111		0.00500	mg/L	1	23-May-2024 19:55
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	5.44		1.00	mg/L	1	27-May-2024 15:11

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

ALS Houston, US

Date: 29-May-24

Client:Permian Basin Environmental Lab, LP

Project:4E16001

Sample ID:4E16001-04

Collection Date:15-May-2024 15:42

ANALYTICAL REPORT

WorkOrder:HS24051128

Lab ID:HS24051128-04

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	1.89		1.00	ug/L	1	21-May-2024 16:12
Ethene	ND		1.00	ug/L	1	21-May-2024 16:12
Methane	364		10.0	ug/L	20	21-May-2024 16:50
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 23-May-2024 Analyst: JC		
Iron	0.345		0.200	mg/L	1	23-May-2024 19:57
Manganese	0.0477		0.00500	mg/L	1	23-May-2024 19:57
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	3.92		1.00	mg/L	1	27-May-2024 15:11

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

ALS Houston, US

Date: 29-May-24

Client:Permian Basin Environmental Lab, LP

Project:4E16001

Sample ID:4E16001-05

Collection Date:15-May-2024 16:35

ANALYTICAL REPORT

WorkOrder:HS24051128

Lab ID:HS24051128-05

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	29.2		1.00	ug/L	1	21-May-2024 16:21
Ethene	ND		1.00	ug/L	1	21-May-2024 16:21
Methane	3,040		50.0	ug/L	100	21-May-2024 16:59
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 23-May-2024 Analyst: JC		
Iron	ND		0.200	mg/L	1	23-May-2024 20:00
Manganese	0.115		0.00500	mg/L	1	23-May-2024 20:00
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	16.8		10.0	mg/L	10	23-May-2024 18:12

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

ALS Houston, US

Date: 29-May-24

Client:Permian Basin Environmental Lab, LP

Project:4E16001

Sample ID:4E16001-06

Collection Date:15-May-2024 17:28

ANALYTICAL REPORT

WorkOrder:HS24051128

Lab ID:HS24051128-06

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	20.4		1.00	ug/L	1	21-May-2024 16:31
Ethene	ND		1.00	ug/L	1	21-May-2024 16:31
Methane	3,220		50.0	ug/L	100	21-May-2024 17:07
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 23-May-2024 Analyst: JC		
Iron	0.284		0.200	mg/L	1	23-May-2024 20:02
Manganese	0.167		0.00500	mg/L	1	23-May-2024 20:02
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	15.2		10.0	mg/L	10	23-May-2024 19:00

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

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: 4E16001
WorkOrder: HS24051128

Batch ID: 212379	Start Date: 23 May 2024 08:30	End Date: 23 May 2024 08:30
Method: DISS METALS PREP - WATER - SW3010A		Prep Code: 3010A DISS

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24051128-01		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24051128-02		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24051128-03		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24051128-04		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24051128-05		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24051128-06		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2

ALS Houston, US

Date: 29-May-24

Client: Permian Basin Environmental Lab, LP
Project: 4E16001
WorkOrder: HS24051128

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 212379 (0)		Test Name : DISSOLVED METALS BY SW6020A			Matrix: Water	
HS24051128-01	4E16001-01	15 May 2024 11:05		23 May 2024 08:30	23 May 2024 19:32	1
HS24051128-02	4E16001-02	15 May 2024 12:13		23 May 2024 08:30	23 May 2024 19:52	1
HS24051128-03	4E16001-03	15 May 2024 14:25		23 May 2024 08:30	23 May 2024 19:55	1
HS24051128-04	4E16001-04	15 May 2024 15:42		23 May 2024 08:30	23 May 2024 19:57	1
HS24051128-05	4E16001-05	15 May 2024 16:35		23 May 2024 08:30	23 May 2024 20:00	1
HS24051128-06	4E16001-06	15 May 2024 17:28		23 May 2024 08:30	23 May 2024 20:02	1
Batch ID: R467330 (0)		Test Name : DISSOLVED GASES BY RSK-175			Matrix: Water	
HS24051128-01	4E16001-01	15 May 2024 11:05			21 May 2024 15:40	1
HS24051128-02	4E16001-02	15 May 2024 12:13			21 May 2024 15:53	1
HS24051128-03	4E16001-03	15 May 2024 14:25			21 May 2024 16:03	1
HS24051128-04	4E16001-04	15 May 2024 15:42			21 May 2024 16:50	20
HS24051128-04	4E16001-04	15 May 2024 15:42			21 May 2024 16:12	1
HS24051128-05	4E16001-05	15 May 2024 16:35			21 May 2024 16:59	100
HS24051128-05	4E16001-05	15 May 2024 16:35			21 May 2024 16:21	1
HS24051128-06	4E16001-06	15 May 2024 17:28			21 May 2024 17:07	100
HS24051128-06	4E16001-06	15 May 2024 17:28			21 May 2024 16:31	1
Batch ID: R467573 (0)		Test Name : TOTAL ORGANIC CARBON BY E415.1			Matrix: Water	
HS24051128-05	4E16001-05	15 May 2024 16:35			23 May 2024 18:12	10
HS24051128-06	4E16001-06	15 May 2024 17:28			23 May 2024 19:00	10
Batch ID: R467893 (0)		Test Name : TOTAL ORGANIC CARBON BY E415.1			Matrix: Water	
HS24051128-01	4E16001-01	15 May 2024 11:05			27 May 2024 15:11	1
HS24051128-02	4E16001-02	15 May 2024 12:13			27 May 2024 15:11	1
HS24051128-03	4E16001-03	15 May 2024 14:25			27 May 2024 15:11	1
HS24051128-04	4E16001-04	15 May 2024 15:42			27 May 2024 15:11	1

ALS Houston, US

Date: 29-May-24

Client: Permian Basin Environmental Lab, LP
Project: 4E16001
WorkOrder: HS24051128

QC BATCH REPORT

Batch ID: R467330 (0)		Instrument: FID-4		Method: DISSOLVED GASES BY RSK-175					
MBLK	Sample ID: MBLK-240521	Units: ug/L			Analysis Date: 21-May-2024 12:37				
Client ID:	Run ID: FID-4_467330			SeqNo: 8022669		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-240521	Units: ug/L			Analysis Date: 21-May-2024 13:32				
Client ID:	Run ID: FID-4_467330			SeqNo: 8022670		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	14.71	1.00	18.04	0	81.5	75 - 125			
Ethene	14.88	1.00	16.8	0	88.6	75 - 125			
Methane	9.913	0.500	9.647	0	103	75 - 125			
LCSD	Sample ID: LCSD-240521	Units: ug/L			Analysis Date: 21-May-2024 13:41				
Client ID:	Run ID: FID-4_467330			SeqNo: 8022671		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	14.62	1.00	18.04	0	81.0	75 - 125	14.71	0.639	30
Ethene	14.9	1.00	16.8	0	88.7	75 - 125	14.88	0.111	30
Methane	10.25	0.500	9.647	0	106	75 - 125	9.913	3.32	30
The following samples were analyzed in this batch:		HS24051128-01		HS24051128-02		HS24051128-03		HS24051128-04	
		HS24051128-05		HS24051128-06					

ALS Houston, US

Date: 29-May-24

Client: Permian Basin Environmental Lab, LP

Project: 4E16001

QC BATCH REPORT

WorkOrder: HS24051128

Batch ID: 212379 (0)		Instrument: ICPMS07		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
MBLK	Sample ID: MBLK-212379	Units: mg/L		Analysis Date: 23-May-2024 19:28					
Client ID:	Run ID: ICPMS07_467488	SeqNo: 8026996		PrepDate: 23-May-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	ND	0.200							
Manganese	ND	0.00500							
LCS	Sample ID: LCS-212379	Units: mg/L		Analysis Date: 23-May-2024 19:30					
Client ID:	Run ID: ICPMS07_467488	SeqNo: 8026997		PrepDate: 23-May-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	4.853	0.200	5	0	97.1	80 - 120			
Manganese	0.05238	0.00500	0.05	0	105	80 - 120			
MS	Sample ID: HS24051128-01MS	Units: mg/L		Analysis Date: 23-May-2024 19:37					
Client ID: 4E16001-01	Run ID: ICPMS07_467488	SeqNo: 8027000		PrepDate: 23-May-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	4.842	0.200	5	0.02301	96.4	75 - 125			
Manganese	0.05663	0.00500	0.05	0.008778	95.7	75 - 125			
MSD	Sample ID: HS24051128-01MSD	Units: mg/L		Analysis Date: 23-May-2024 19:40					
Client ID: 4E16001-01	Run ID: ICPMS07_467488	SeqNo: 8027001		PrepDate: 23-May-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	4.896	0.200	5	0.02301	97.5	75 - 125	4.842	1.09	20
Manganese	0.05728	0.00500	0.05	0.008778	97.0	75 - 125	0.05663	1.13	20
PDS	Sample ID: HS24051128-01PDS	Units: mg/L		Analysis Date: 23-May-2024 19:42					
Client ID: 4E16001-01	Run ID: ICPMS07_467488	SeqNo: 8027002		PrepDate: 23-May-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	10.21	0.200	10	0.02301	102	75 - 125			
Manganese	0.1047	0.00500	0.1	0.008778	96.0	75 - 125			

ALS Houston, US

Date: 29-May-24

Client:

Permian Basin Environmental Lab, LP

Project:

4E16001

WorkOrder:

HS24051128

QC BATCH REPORT

Batch ID: 212379 (0)		Instrument: ICPMS07		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)							
SD	Sample ID: HS24051128-01SD		Units: mg/L		Analysis Date: 23-May-2024 19:35						
Client ID: 4E16001-01		Run ID: ICPMS07_467488		SeqNo: 8026999		PrepDate: 23-May-2024		DF: 5			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	Limit	Qual	
Iron	ND	1.00					0.02301	0	10		
Manganese	0.008567	0.0250					0.008778	0	10	J	
The following samples were analyzed in this batch:				HS24051128-01		HS24051128-02		HS24051128-03		HS24051128-04	
				HS24051128-05		HS24051128-06					

ALS Houston, US

Date: 29-May-24

Client: Permian Basin Environmental Lab, LP
Project: 4E16001
WorkOrder: HS24051128

QC BATCH REPORT

Batch ID: R467573 (0)		Instrument: TOC_04		Method: TOTAL ORGANIC CARBON BY E415.1						
MBLK	Sample ID: MBLK-05232024	Units: mg/L		Analysis Date: 23-May-2024 16:40						
Client ID:	Run ID: TOC_04_467573		SeqNo: 8027735		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-05232024	Units: mg/L		Analysis Date: 23-May-2024 16:52						
Client ID:	Run ID: TOC_04_467573		SeqNo: 8027736		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	9.66	1.00	10	0	96.6	85 - 115				
LCSD	Sample ID: LCSD-05232024	Units: mg/L		Analysis Date: 23-May-2024 17:02						
Client ID:	Run ID: TOC_04_467573		SeqNo: 8027737		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	9.638	1.00	10	0	96.4	85 - 115	9.66	0.228	20	
MS	Sample ID: HS24051037-01MS	Units: mg/L		Analysis Date: 23-May-2024 17:23						
Client ID:	Run ID: TOC_04_467573		SeqNo: 8027739		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	31.79	1.00	10	22.46	93.3	80 - 120				
The following samples were analyzed in this batch:										
			HS24051128-05 HS24051128-06							

ALS Houston, US

Date: 29-May-24

Client: Permian Basin Environmental Lab, LP
Project: 4E16001
WorkOrder: HS24051128

QC BATCH REPORT

Batch ID: R467893 (0)		Instrument: TOC_05		Method: TOTAL ORGANIC CARBON BY E415.1						
MBLK	Sample ID: MBLK-R467893	Units: mg/L		Analysis Date: 27-May-2024 15:11						
Client ID:	Run ID: TOC_05_467893		SeqNo: 8034951		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-R467893	Units: mg/L		Analysis Date: 27-May-2024 15:11						
Client ID:	Run ID: TOC_05_467893		SeqNo: 8034950		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	9.882	1.00	10	0	98.8	85 - 115				
LCSD	Sample ID: LCSD-R467893	Units: mg/L		Analysis Date: 27-May-2024 15:11						
Client ID:	Run ID: TOC_05_467893		SeqNo: 8034949		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	9.834	1.00	10	0	98.3	85 - 115	9.882	0.487	20	
MS	Sample ID: HS24051128-04MS	Units: mg/L		Analysis Date: 27-May-2024 15:11						
Client ID: 4E16001-04	Run ID: TOC_05_467893		SeqNo: 8034952		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	12.54	1.00	10	3.923	86.2	80 - 120				
The following samples were analyzed in this batch:										
		HS24051128-01		HS24051128-02		HS24051128-03		HS24051128-04		

ALS Houston, US

Date: 29-May-24

Client: Permian Basin Environmental Lab, LP
Project: 4E16001
WorkOrder: HS24051128

**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: 29-May-24

CERTIFICATIONS,ACCREDITATIONS & LICENSES

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

ALS Houston, US

Date: 29-May-24

Sample Receipt Checklist

Work Order ID: HS24051128

Date/Time Received: 20-May-2024 09:00

Client Name: Permian Basin Lab

Received by: Jacob Coronado

Completed By: /S/ Paresh M. Giga	20-May-2024 12:15	Reviewed by: /S/ Anna Kinchen	21-May-2024 09:49
eSignature	Date/Time	eSignature	Date/Time

Matrices: WaterCarrier name: FedEx Standard Overnight

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	COC IDs:none
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):	23.5C/23.6C U/C IR31		
Cooler(s)/Kit(s):	Red		
Date/Time sample(s) sent to storage:	5/20/24 15:30		
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:			

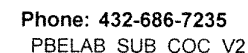
Login Notes: Fedex delay.
Proceed per AK.
4E16001-06 - 1 x RSK vial received broken

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:



PO #:

Report Format: X Standard ☐ TRRP ☐ NPDES

e-mail: brentbarron@pbelab.com

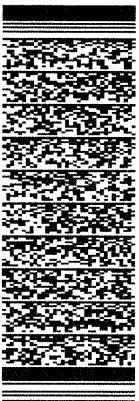
Page 20 of 21

ORIGIN ID:MAFA (432) 886-7236
BRENT BARON
PBE LAB
1400 RANKIN HWY
MIDLAND, TX 79701
UNITED STATES US

SHIP DATE: 16MAY24
ACTWGT: 70.00 LB
CAD: 107186945NET14535
DIMS: 23x12x13 IN
BILL RECIPIENT

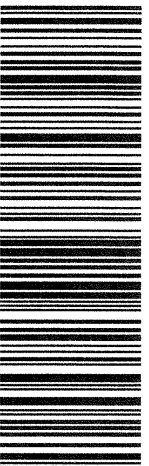
TO
SAMPLE RECEIVING
ALS-HOUSTON
10450 STANCLIFF RD
HOUSTON TX 77099
REF: (281) 530-6615
DEPT: PO

583J4/C458/9AE3



TRK# 7764 2171 9787
FRI - 17 MAY 5:00P
STANDARD OVERNIGHT
TX-US IAH 77099

AB SCRA



Red

MAY 20 2024

FedEx label
Received 05/20/24

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

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



Analytical Report

Prepared for:

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

Project: 98-05A
Project Number: SRS: TNM 98-05A
Location: Lea County, NM
Lab Order Number: 4E16003



Current Certification

Report Date: 05/17/24

TRC Solutions- Midland, Texas	Project: 98-05A
10 Desta Dr STE 150E	Project Number: SRS: TNM 98-05A
Midland TX, 79705	Project Manager: Jonathan Repman

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	4E16003-01	Water	05/15/24 18:35	05-16-2024 08:49
MW-2	4E16003-02	Water	05/15/24 18:52	05-16-2024 08:49

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

Project: 98-05A
Project Number: SRS: TNM 98-05A
Project Manager: Jonathan Repman

MW-1
4E16003-01 (Water)

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

BTEX by 8021B

Total BTEX	0.0107	0.00100	mg/L	1	[CALC]	05/16/24 13:31	05/16/24 19:26	EPA 8021B
Xylenes (total)	0.00204	0.00100	mg/L	1	[CALC]	05/16/24 13:31	05/16/24 19:26	EPA 8021B

Organics by GC

Benzene	0.00378	0.00100	mg/L	1	P4E1614	05/16/24 13:31	05/16/24 19:26	EPA 8021B
Toluene	0.00237	0.00100	mg/L	1	P4E1614	05/16/24 13:31	05/16/24 19:26	EPA 8021B
Ethylbenzene	0.00250	0.00100	mg/L	1	P4E1614	05/16/24 13:31	05/16/24 19:26	EPA 8021B
Xylene (p/m)	0.00204	0.00200	mg/L	1	P4E1614	05/16/24 13:31	05/16/24 19:26	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P4E1614	05/16/24 13:31	05/16/24 19:26	EPA 8021B
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>106 %</i>		<i>80-120</i>		<i>P4E1614</i>	<i>05/16/24 13:31</i>	<i>05/16/24 19:26</i>	<i>EPA 8021B</i>
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>87.3 %</i>		<i>80-120</i>		<i>P4E1614</i>	<i>05/16/24 13:31</i>	<i>05/16/24 19:26</i>	<i>EPA 8021B</i>

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
10 Desta Dr STE 150E	Project Number: SRS: TNM 98-05A
Midland TX, 79705	Project Manager: Jonathan Repman

MW-2
4E16003-02 (Water)

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

BTEX by 8021B

Total BTEX	0.419	0.00100	mg/L	1	[CALC]	05/16/24 13:31	05/16/24 20:32	EPA 8021B	
Xylenes (total)	0.207	0.00100	mg/L	1	[CALC]	05/16/24 13:31	05/16/24 20:32	EPA 8021B	

Organics by GC

Benzene	0.128	0.00100	mg/L	1	P4E1614	05/16/24 13:31	05/16/24 20:32	EPA 8021B	
Toluene	0.0107	0.00100	mg/L	1	P4E1614	05/16/24 13:31	05/16/24 20:32	EPA 8021B	
Ethylbenzene	0.0735	0.00100	mg/L	1	P4E1614	05/16/24 13:31	05/16/24 20:32	EPA 8021B	
Xylene (p/m)	0.170	0.00200	mg/L	1	P4E1614	05/16/24 13:31	05/16/24 20:32	EPA 8021B	
Xylene (o)	0.0367	0.00100	mg/L	1	P4E1614	05/16/24 13:31	05/16/24 20:32	EPA 8021B	

Surrogate: 4-Bromofluorobenzene	111 %	80-120		P4E1614	05/16/24 13:31	05/16/24 20:32	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	86.8 %	80-120		P4E1614	05/16/24 13:31	05/16/24 20:32	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: 98-05A
Project Number: SRS: TNM 98-05A
Project Manager: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4E1614 - * DEFAULT PREP *****

Blank (P4E1614-BLK1)

Prepared & Analyzed: 05/16/24

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.131		"	0.120		109	80-120			
Surrogate: 1,4-Difluorobenzene	0.105		"	0.120		87.7	80-120			

LCS (P4E1614-BS1)

Prepared & Analyzed: 05/16/24

Benzene	0.105	0.00100	mg/L	0.100		105	80-120			
Toluene	0.109	0.00100	"	0.100		109	80-120			
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120			
Xylene (p/m)	0.239	0.00200	"	0.200		119	80-120			
Xylene (o)	0.107	0.00100	"	0.100		107	80-120			
Surrogate: 4-Bromofluorobenzene	0.129		"	0.120		107	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.7	80-120			

LCS Dup (P4E1614-BSD1)

Prepared & Analyzed: 05/16/24

Benzene	0.104	0.00100	mg/L	0.100		104	80-120	0.678	20	
Toluene	0.108	0.00100	"	0.100		108	80-120	1.15	20	
Ethylbenzene	0.117	0.00100	"	0.100		117	80-120	2.13	20	
Xylene (p/m)	0.236	0.00200	"	0.200		118	80-120	0.892	20	
Xylene (o)	0.106	0.00100	"	0.100		106	80-120	0.986	20	
Surrogate: 4-Bromofluorobenzene	0.129		"	0.120		108	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.6	80-120			

Calibration Blank (P4E1614-CCB1)

Prepared & Analyzed: 05/16/24

Benzene	0.200		ug/l							
Toluene	0.130		"							
Ethylbenzene	0.0600		"							
Xylene (p/m)	0.110		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.132		"	0.120		110	80-120			
Surrogate: 1,4-Difluorobenzene	0.104		"	0.120		86.8	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
Project Number: SRS: TNM 98-05A
Project Manager: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4E1614 - * DEFAULT PREP *****

Calibration Blank (P4E1614-CCB2)

Prepared & Analyzed: 05/16/24

Benzene	0.120		ug/l							
Toluene	0.110		"							
Ethylbenzene	0.180		"							
Xylene (p/m)	0.230		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.130		"	0.120		108	80-120			
Surrogate: 1,4-Difluorobenzene	0.110		"	0.120		91.8	80-120			

Calibration Check (P4E1614-CCV1)

Prepared & Analyzed: 05/16/24

Benzene	0.108	0.00100	mg/L	0.100		108	80-120			
Toluene	0.113	0.00100	"	0.100		113	80-120			
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120			
Xylene (p/m)	0.239	0.00200	"	0.200		119	80-120			
Xylene (o)	0.110	0.00100	"	0.100		110	80-120			
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		100	80-120			
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		90.9	80-120			

Calibration Check (P4E1614-CCV2)

Prepared & Analyzed: 05/16/24

Benzene	0.111	0.00100	mg/L	0.100		111	80-120			
Toluene	0.116	0.00100	"	0.100		116	80-120			
Ethylbenzene	0.120	0.00100	"	0.100		120	80-120			
Xylene (p/m)	0.239	0.00200	"	0.200		120	80-120			
Xylene (o)	0.115	0.00100	"	0.100		115	80-120			
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120		91.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.104		"	0.120		86.5	80-120			

Calibration Check (P4E1614-CCV3)

Prepared & Analyzed: 05/16/24

Benzene	0.112	0.00100	mg/L	0.100		112	80-120			
Toluene	0.116	0.00100	"	0.100		116	80-120			
Ethylbenzene	0.120	0.00100	"	0.100		120	80-120			
Xylene (p/m)	0.239	0.00200	"	0.200		120	80-120			
Xylene (o)	0.114	0.00100	"	0.100		114	80-120			
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.5	80-120			
Surrogate: 1,4-Difluorobenzene	0.112		"	0.120		93.6	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	Project: 98-05A
10 Desta Dr STE 150E	Project Number: SRS: TNM 98-05A
Midland TX, 79705	Project Manager: Jonathan Repman

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4E1614 - *** DEFAULT PREP ***

Matrix Spike (P4E1614-MS1)		Source: 4E16001-01			Prepared & Analyzed: 05/16/24					
Benzene	0.109	0.00100	mg/L	0.100	ND	109	80-120			
Toluene	0.113	0.00100	"	0.100	ND	113	80-120			
Ethylbenzene	0.133	0.00100	"	0.100	ND	133	80-120			QM-05
Xylene (p/m)	0.247	0.00200	"	0.200	ND	124	80-120			QM-05
Xylene (o)	0.108	0.00100	"	0.100	ND	108	80-120			
Surrogate: 4-Bromofluorobenzene	0.126		"	0.120		105	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		99.7	80-120			
Matrix Spike Dup (P4E1614-MSD1)		Source: 4E16001-01			Prepared & Analyzed: 05/16/24					
Benzene	0.116	0.00100	mg/L	0.100	ND	116	80-120	5.74	20	
Toluene	0.120	0.00100	"	0.100	ND	120	80-120	6.05	20	
Ethylbenzene	0.142	0.00100	"	0.100	ND	142	80-120	6.80	20	QM-05
Xylene (p/m)	0.263	0.00200	"	0.200	ND	132	80-120	6.23	20	QM-05
Xylene (o)	0.115	0.00100	"	0.100	ND	115	80-120	6.56	20	
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		103	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.5	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
Project Number: SRS: TNM 98-05A
Project Manager: Jonathan Repman

Notes and Definitions

ROI Received on Ice

QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

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

NPBEL C Chain of Custody was not generated at PBELAB

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

5/17/2024

Brent Barron, Laboratory Director/Technical Director

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

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

Permian Basin Environmental Lab, L.P.

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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
Project Number: SRS: TNM 98-05A
Project Manager: Jonathan Repman

Permian Basin Environmental Lab, L.P.

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

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Page 10 of 10

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



Analytical Report

Prepared for:

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Location: Lea County, NM
Lab Order Number: 4118011



Current Certification

Report Date: 10/04/24

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Jonathan Repman

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-3	4I18011-01	Water	09/17/24 13:40	09-18-2024 08:50
MW-5	4I18011-02	Water	09/17/24 15:20	09-18-2024 08:50
MW-6	4I18011-03	Water	09/17/24 16:30	09-18-2024 08:50
MW-12	4I18011-04	Water	09/17/24 17:15	09-18-2024 08:50
MW-10	4I18011-05	Water	09/17/24 18:21	09-18-2024 08:50
MW-13	4I18011-06	Water	09/17/24 19:33	09-18-2024 08:50

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

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Jonathan Repman

MW-3
4118011-01 (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	P4I1907	09/19/24 10:24	09/19/24 17:28	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I1907	09/19/24 10:24	09/19/24 17:28	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I1907	09/19/24 10:24	09/19/24 17:28	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I1907	09/19/24 10:24	09/19/24 17:28	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I1907	09/19/24 10:24	09/19/24 17:28	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	106 %		80-120		P4I1907	09/19/24 10:24	09/19/24 17:28	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	88.7 %		80-120		P4I1907	09/19/24 10:24	09/19/24 17:28	EPA 8021B	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/19/24 10:24	09/19/24 17:28	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/19/24 10:24	09/19/24 17:28	EPA 8021B	

Organics by GC

Ethane	ND	0.00100	mg/L	1	P4J0411	09/20/24 00:00	09/20/24 09:53	8015M	
Ethene	ND	0.00100	mg/L	1	P4J0411	09/20/24 00:00	09/20/24 09:53	8015M	
Methane	0.00174	0.000500	mg/L	1	P4J0411	09/20/24 00:00	09/20/24 09:53	8015M	

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	2.00	mg/L	1	P4I1806	09/18/24 13:59	10/01/24 10:42	8000	
Nitrate as N	1.44	0.200	mg/L	1	P4I1810	09/18/24 15:18	09/18/24 23:58	EPA 300.0	
Sulfate	174	1.00	mg/L	1	P4I1810	09/18/24 15:18	09/18/24 23:58	EPA 300.0	
Total Organic Carbon	7.25	1.00	mg/L	1	P4J0411	09/23/24 19:52	09/23/24 19:52	EPA 415.1	

Dissolved Metals by EPA / Standard Methods

Iron	0.224	0.200	mg/L	1	P4J0411	09/26/24 00:00	09/26/24 15:16	EPA 6020A	
Manganese	0.0147	0.00500	mg/L	1	P4J0411	09/26/24 00:00	09/26/24 15:16	EPA 6020A	

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: Jonathan Repman

MW-5
4118011-02 (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	P4I1907	09/19/24 10:24	09/19/24 17:50	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I1907	09/19/24 10:24	09/19/24 17:50	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I1907	09/19/24 10:24	09/19/24 17:50	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I1907	09/19/24 10:24	09/19/24 17:50	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I1907	09/19/24 10:24	09/19/24 17:50	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	105 %		80-120		P4I1907	09/19/24 10:24	09/19/24 17:50	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	88.0 %		80-120		P4I1907	09/19/24 10:24	09/19/24 17:50	EPA 8021B	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/19/24 10:24	09/19/24 17:50	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/19/24 10:24	09/19/24 17:50	EPA 8021B	

Organics by GC

Ethane	ND	0.00100	mg/L	1	P4J0411	09/20/24 00:00	09/20/24 10:01	8015M	
Ethene	ND	0.00100	mg/L	1	P4J0411	09/20/24 00:00	09/20/24 10:01	8015M	
Methane	0.00167	0.000500	mg/L	1	P4J0411	09/20/24 00:00	09/20/24 10:01	8015M	

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	2.00	mg/L	1	P4I1806	09/18/24 13:59	10/01/24 10:42	8000	
Nitrate as N	1.36	0.200	mg/L	1	P4I1810	09/18/24 15:18	09/19/24 01:02	EPA 300.0	
Sulfate	177	1.00	mg/L	1	P4I1810	09/18/24 15:18	09/19/24 01:02	EPA 300.0	
Total Organic Carbon	1.98	1.00	mg/L	1	P4J0411	09/23/24 20:01	09/23/24 20:01	EPA 415.1	

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P4J0411	09/26/24 00:00	09/26/24 15:18	EPA 6020A	
Manganese	ND	0.00500	mg/L	1	P4J0411	09/26/24 00:00	09/26/24 15:18	EPA 6020A	

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: Jonathan Repman

MW-6
4118011-03 (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	P4I1907	09/19/24 10:24	09/19/24 18:12	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I1907	09/19/24 10:24	09/19/24 18:12	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I1907	09/19/24 10:24	09/19/24 18:12	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I1907	09/19/24 10:24	09/19/24 18:12	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I1907	09/19/24 10:24	09/19/24 18:12	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	108 %		80-120		P4I1907	09/19/24 10:24	09/19/24 18:12	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	87.7 %		80-120		P4I1907	09/19/24 10:24	09/19/24 18:12	EPA 8021B	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/19/24 10:24	09/19/24 18:12	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/19/24 10:24	09/19/24 18:12	EPA 8021B	

Organics by GC

Ethane	ND	0.00100	mg/L	1	P4J0411	09/20/24 00:00	09/20/24 10:29	8015M	
Ethene	ND	0.00100	mg/L	1	P4J0411	09/20/24 00:00	09/20/24 10:29	8015M	
Methane	0.00664	0.000500	mg/L	1	P4J0411	09/20/24 00:00	09/20/24 10:29	8015M	

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	2.00	mg/L	1	P4I1806	09/18/24 13:59	10/01/24 10:42	8000	
Nitrate as N	5.30	0.200	mg/L	1	P4I1810	09/18/24 15:18	09/19/24 01:23	EPA 300.0	
Sulfate	135	1.00	mg/L	1	P4I1810	09/18/24 15:18	09/19/24 01:23	EPA 300.0	
Total Organic Carbon	3.85	1.00	mg/L	1	P4J0411	09/23/24 20:11	09/23/24 20:11	EPA 415.1	

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P4J0411	09/26/24 00:00	09/26/24 15:20	EPA 6020A	
Manganese	0.0102	0.00500	mg/L	1	P4J0411	09/26/24 00:00	09/26/24 15:20	EPA 6020A	

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: Jonathan Repman

MW-12
4118011-04 (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	P4I1907	09/19/24 10:24	09/19/24 18:35	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I1907	09/19/24 10:24	09/19/24 18:35	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I1907	09/19/24 10:24	09/19/24 18:35	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I1907	09/19/24 10:24	09/19/24 18:35	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I1907	09/19/24 10:24	09/19/24 18:35	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	106 %		80-120		P4I1907	09/19/24 10:24	09/19/24 18:35	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	88.2 %		80-120		P4I1907	09/19/24 10:24	09/19/24 18:35	EPA 8021B	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/19/24 10:24	09/19/24 18:35	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/19/24 10:24	09/19/24 18:35	EPA 8021B	

Organics by GC

Ethane	ND	0.00100	mg/L	1	P4J0411	09/20/24 00:00	09/20/24 10:40	8015M	
Ethene	ND	0.00100	mg/L	1	P4J0411	09/20/24 00:00	09/20/24 10:40	8015M	
Methane	0.611	0.0100	mg/L	1	P4J0411	09/20/24 00:00	09/20/24 11:41	8015M	

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	2.00	mg/L	1	P4I1806	09/18/24 13:59	10/01/24 10:42	8000	
Nitrate as N	0.946	0.200	mg/L	1	P4I1810	09/18/24 15:18	09/19/24 01:45	EPA 300.0	
Sulfate	74.8	1.00	mg/L	1	P4I1810	09/18/24 15:18	09/19/24 01:45	EPA 300.0	
Total Organic Carbon	5.40	1.00	mg/L	1	P4J0411	09/23/24 20:32	09/23/24 20:32	EPA 415.1	

Dissolved Metals by EPA / Standard Methods

Iron	0.339	0.200	mg/L	1	P4J0411	09/26/24 00:00	09/26/24 15:22	EPA 6020A	
Manganese	0.0522	0.00500	mg/L	1	P4J0411	09/26/24 00:00	09/26/24 15:22	EPA 6020A	

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: Jonathan Repman

MW-10
4118011-05 (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	0.0259	0.00100	mg/L	1	P4I1907	09/19/24 10:24	09/19/24 18:57	EPA 8021B	
Toluene	0.00295	0.00100	mg/L	1	P4I1907	09/19/24 10:24	09/19/24 18:57	EPA 8021B	
Ethylbenzene	0.00533	0.00100	mg/L	1	P4I1907	09/19/24 10:24	09/19/24 18:57	EPA 8021B	
Xylene (p/m)	0.00712	0.00200	mg/L	1	P4I1907	09/19/24 10:24	09/19/24 18:57	EPA 8021B	
Xylene (o)	0.00328	0.00100	mg/L	1	P4I1907	09/19/24 10:24	09/19/24 18:57	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		104 %			P4I1907	09/19/24 10:24	09/19/24 18:57	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		85.5 %			P4I1907	09/19/24 10:24	09/19/24 18:57	EPA 8021B	
Total BTEX	0.0446	0.00100	mg/L	1	[CALC]	09/19/24 10:24	09/19/24 18:57	EPA 8021B	
Xylenes (total)	0.0104	0.00100	mg/L	1	[CALC]	09/19/24 10:24	09/19/24 18:57	EPA 8021B	

Organics by GC

Ethane	0.0409	0.00100	mg/L	1	P4J0411	09/20/24 00:00	09/20/24 10:53	8015M	
Ethene	ND	0.00100	mg/L	1	P4J0411	09/20/24 00:00	09/20/24 10:53	8015M	
Methane	3.70	0.0500	mg/L	1	P4J0411	09/20/24 00:00	09/20/24 11:49	8015M	

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	22.0	2.00	mg/L	1	P4I1806	09/18/24 13:59	10/01/24 10:42	8000	
Nitrate as N	0.960	0.200	mg/L	1	P4I1810	09/18/24 15:18	09/19/24 02:06	EPA 300.0	
Sulfate	43.3	1.00	mg/L	1	P4I1810	09/18/24 15:18	09/19/24 02:06	EPA 300.0	
Total Organic Carbon	9.00	1.00	mg/L	1	P4J0411	09/23/24 20:42	09/23/24 20:42	EPA 415.1	

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P4J0411	09/26/24 00:00	09/26/24 15:24	EPA 6020A	
Manganese	0.168	0.00500	mg/L	1	P4J0411	09/26/24 00:00	09/26/24 15:24	EPA 6020A	

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: Jonathan Repman

MW-13
4118011-06 (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	1.80	0.00500	mg/L	5	P4I1907	09/19/24 10:24	09/20/24 11:51	EPA 8021B	
Toluene	0.00170	0.00100	mg/L	1	P4I1907	09/19/24 10:24	09/19/24 19:19	EPA 8021B	
Ethylbenzene	0.0119	0.00100	mg/L	1	P4I1907	09/19/24 10:24	09/19/24 19:19	EPA 8021B	
Xylene (p/m)	0.0116	0.00200	mg/L	1	P4I1907	09/19/24 10:24	09/19/24 19:19	EPA 8021B	
Xylene (o)	0.00495	0.00100	mg/L	1	P4I1907	09/19/24 10:24	09/19/24 19:19	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>101 %</i>	<i>80-120</i>			<i>P4I1907</i>	<i>09/19/24 10:24</i>	<i>09/19/24 19:19</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>98.7 %</i>	<i>80-120</i>			<i>P4I1907</i>	<i>09/19/24 10:24</i>	<i>09/19/24 19:19</i>	<i>EPA 8021B</i>	
Total BTEX	1.83	0.00100	mg/L	5	[CALC]	09/19/24 10:24	09/20/24 11:51	EPA 8021B	
Xylenes (total)	0.0166	0.00100	mg/L	1	[CALC]	09/19/24 10:24	09/19/24 19:19	EPA 8021B	

Organics by GC

Ethane	0.0468	0.00100	mg/L	1	P4J0411	09/20/24 00:00	09/20/24 11:16	8015M	
Ethene	ND	0.00100	mg/L	1	P4J0411	09/20/24 00:00	09/20/24 11:16	8015M	
Methane	2.47	0.0500	mg/L	1	P4J0411	09/20/24 00:00	09/20/24 12:54	8015M	

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	32.0	2.00	mg/L	1	P4I1806	09/18/24 13:59	10/01/24 10:42	8000	
Nitrate as N	0.944	0.200	mg/L	1	P4I1810	09/18/24 15:18	09/19/24 02:28	EPA 300.0	
Sulfate	12.1	1.00	mg/L	1	P4I1810	09/18/24 15:18	09/19/24 02:28	EPA 300.0	
Total Organic Carbon	1.54	1.00	mg/L	1	P4J0411	09/23/24 20:51	09/23/24 20:51	EPA 415.1	

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P4J0411	09/26/24 00:00	09/26/24 15:41	EPA 6020A	
Manganese	0.104	0.00500	mg/L	1	P4J0411	09/26/24 00:00	09/26/24 15:41	EPA 6020A	

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: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4I1907 - * DEFAULT PREP *****

Blank (P4I1907-BLK1)

Prepared & Analyzed: 09/19/24

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.128		"	0.120		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.106		"	0.120		88.1	80-120			

LCS (P4I1907-BS1)

Prepared & Analyzed: 09/19/24

Benzene	0.0912	0.00100	mg/L	0.100		91.2	80-120			
Toluene	0.0984	0.00100	"	0.100		98.4	80-120			
Ethylbenzene	0.112	0.00100	"	0.100		112	80-120			
Xylene (p/m)	0.230	0.00200	"	0.200		115	80-120			
Xylene (o)	0.102	0.00100	"	0.100		102	80-120			
Surrogate: 4-Bromofluorobenzene	0.130		"	0.120		109	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.0	80-120			

LCS Dup (P4I1907-BS1)

Prepared & Analyzed: 09/19/24

Benzene	0.0880	0.00100	mg/L	0.100		88.0	80-120	3.61	20	
Toluene	0.0950	0.00100	"	0.100		95.0	80-120	3.50	20	
Ethylbenzene	0.109	0.00100	"	0.100		109	80-120	3.10	20	
Xylene (p/m)	0.224	0.00200	"	0.200		112	80-120	2.81	20	
Xylene (o)	0.0980	0.00100	"	0.100		98.0	80-120	3.59	20	
Surrogate: 4-Bromofluorobenzene	0.131		"	0.120		109	80-120			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		95.6	80-120			

Calibration Blank (P4I1907-CCB1)

Prepared & Analyzed: 09/19/24

Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.290		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.136		"	0.120		113	80-120			
Surrogate: 1,4-Difluorobenzene	0.102		"	0.120		85.4	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: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4I1907 - * DEFAULT PREP *****

Calibration Blank (P4I1907-CCB2)

Prepared & Analyzed: 09/19/24

Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		103	80-120			
Surrogate: 1,4-Difluorobenzene	0.106		"	0.120		88.6	80-120			

Calibration Check (P4I1907-CCV1)

Prepared & Analyzed: 09/19/24

Benzene	0.0952	0.00100	mg/L	0.100		95.2	80-120			
Toluene	0.0994	0.00100	"	0.100		99.4	80-120			
Ethylbenzene	0.0991	0.00100	"	0.100		99.1	80-120			
Xylene (p/m)	0.224	0.00200	"	0.200		112	80-120			
Xylene (o)	0.103	0.00100	"	0.100		103	80-120			
Surrogate: 4-Bromofluorobenzene	0.126		"	0.120		105	80-120			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		95.4	80-120			

Calibration Check (P4I1907-CCV2)

Prepared & Analyzed: 09/19/24

Benzene	0.0940	0.00100	mg/L	0.100		94.0	80-120			
Toluene	0.0984	0.00100	"	0.100		98.4	80-120			
Ethylbenzene	0.0997	0.00100	"	0.100		99.7	80-120			
Xylene (p/m)	0.223	0.00200	"	0.200		112	80-120			
Xylene (o)	0.100	0.00100	"	0.100		100	80-120			
Surrogate: 4-Bromofluorobenzene	0.128		"	0.120		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		94.9	80-120			

Calibration Check (P4I1907-CCV3)

Prepared: 09/19/24 Analyzed: 09/20/24

Benzene	0.102	0.00100	mg/L	0.100		102	80-120			
Toluene	0.106	0.00100	"	0.100		106	80-120			
Ethylbenzene	0.108	0.00100	"	0.100		108	80-120			
Xylene (p/m)	0.234	0.00200	"	0.200		117	80-120			
Xylene (o)	0.107	0.00100	"	0.100		107	80-120			
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.4	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: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4I1907 - * DEFAULT PREP *****

Matrix Spike (P4I1907-MS1)

Source: 4I18011-01

Prepared: 09/19/24 Analyzed: 09/20/24

Benzene	0.0928	0.00100	mg/L	0.100	ND	92.8	80-120			
Toluene	0.0965	0.00100	"	0.100	ND	96.5	80-120			
Ethylbenzene	0.108	0.00100	"	0.100	ND	108	80-120			
Xylene (p/m)	0.222	0.00200	"	0.200	ND	111	80-120			
Xylene (o)	0.0962	0.00100	"	0.100	ND	96.2	80-120			
Surrogate: 4-Bromofluorobenzene	0.127		"	0.120		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		94.6	80-120			

Matrix Spike Dup (P4I1907-MSD1)

Source: 4I18011-01

Prepared: 09/19/24 Analyzed: 09/20/24

Benzene	0.116	0.00100	mg/L	0.100	ND	116	80-120	22.0	20	R3
Toluene	0.124	0.00100	"	0.100	ND	124	80-120	25.2	20	R3
Ethylbenzene	0.141	0.00100	"	0.100	ND	141	80-120	26.0	20	R3
Xylene (p/m)	0.280	0.00200	"	0.200	ND	140	80-120	23.2	20	R3
Xylene (o)	0.126	0.00100	"	0.100	ND	126	80-120	26.7	20	R3
Surrogate: 4-Bromofluorobenzene	0.129		"	0.120		107	80-120			
Surrogate: 1,4-Difluorobenzene	0.113		"	0.120		94.2	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: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4I1806 - * DEFAULT PREP *****

Blank (P4I1806-BLK1)

Prepared: 09/18/24 Analyzed: 10/01/24

Chemical Oxygen Demand	ND	2.00	mg/L
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LCS (P4I1806-BS1)

Prepared: 09/18/24 Analyzed: 10/01/24

Chemical Oxygen Demand	94.0	2.00	mg/L	100	94.0	80-120
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LCS Dup (P4I1806-BSD1)

Prepared: 09/18/24 Analyzed: 10/01/24

Chemical Oxygen Demand	94.0	2.00	mg/L	100	94.0	80-120	0.00	20
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Duplicate (P4I1806-DUP1)

Source: 4I06003-01

Prepared: 09/18/24 Analyzed: 10/01/24

Chemical Oxygen Demand	17.0	2.00	mg/L	17.0	0.00	20
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Matrix Spike (P4I1806-MS1)

Source: 4I06003-01

Prepared: 09/18/24 Analyzed: 10/01/24

Chemical Oxygen Demand	145	2.00	mg/L	100	17.0	128	80-120		QM-05
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Matrix Spike Dup (P4I1806-MSD1)

Source: 4I06003-01

Prepared: 09/18/24 Analyzed: 10/01/24

Chemical Oxygen Demand	148	2.00	mg/L	100	17.0	131	80-120	2.05	20	QM-05
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Batch P4I1810 - * DEFAULT PREP *****

Blank (P4I1810-BLK1)

Prepared & Analyzed: 09/18/24

Sulfate	ND	1.00	mg/L
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Nitrate as N	ND	0.200	"
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LCS (P4I1810-BS1)

Prepared & Analyzed: 09/18/24

Nitrate as N	19.7	mg/L	20.0	98.6	90-110
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Sulfate	18.4	"	20.0	92.2	90-110
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Permian Basin Environmental Lab, L.P.

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

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

TRC Solutions- Midland, Texas	Project: 98-05A_MNA
10 Desta Dr STE 150E	Project Number: TNM 98-05A
Midland TX, 79705	Project Manager: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4I1810 - *** DEFAULT PREP ***

LCS Dup (P4I1810-BSD1)				Prepared & Analyzed: 09/18/24						
Nitrate as N	19.7		mg/L	20.0		98.7	90-110	0.0405	10	
Sulfate	18.5		"	20.0		92.5	90-110	0.282	10	

Calibration Check (P4I1810-CCV1)				Prepared & Analyzed: 09/18/24						
Nitrate as N	19.7		mg/L	20.0		98.6	90-110			
Sulfate	18.5		"	20.0		92.3	90-110			

Calibration Check (P4I1810-CCV2)				Prepared: 09/18/24 Analyzed: 09/19/24						
Nitrate as N	19.8		mg/L	20.0		98.9	90-110			
Sulfate	18.6		"	20.0		92.8	90-110			

Matrix Spike (P4I1810-MS1)				Source: 4I18011-01		Prepared: 09/18/24 Analyzed: 09/19/24				
Nitrate as N	20.6		mg/L	20.0	1.44	95.8	80-120			
Sulfate	267		"	100	174	92.8	80-120			

Matrix Spike Dup (P4I1810-MSD1)				Source: 4I18011-01		Prepared: 09/18/24 Analyzed: 09/19/24				
Sulfate	267		mg/L	100	174	93.2	80-120	0.148	20	
Nitrate as N	20.6		"	20.0	1.44	96.0	80-120	0.160	20	

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Jonathan Repman

Notes and Definitions

ROI Received on Ice

R3 The RPD exceeded the acceptance limit due to sample matrix effects.

QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

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

NPBEL C Chain of Custody was not generated at PBELAB

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

10/4/2024

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: Jonathan Repman

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

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

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235
PBELAB SUB COC V2

Project Manager: Brent Barron

Project Name: SUBCONTRACT

Company Name PBEL

Project #:

Company Address: 1400 Rankin HWY

Project Loc:

City/State/Zip: Midland Texas 79701

PO #:

Telephone No: 432-661-4184

Fax No:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: N/A

e-mail: brentbarron@pbelab.com

[illegible]

Please add tressa@pbelab.com to the WOA. Thank you.

						Sample Containers Intact?	Y	N
						VOCs Free of Headspace?	Y	N
BRENT BARRON	9/18/2024	5:00 PM	Received by:	Date	Time	Labels on container(s)	Y	N
						Custody seals on container(s)	Y	N
						Custody seals on cooler(s)	Y	N
Relinquished by:	Date	Time	Received by:	Date	Time	Sample Hand Delivered	Y	N
						by Sampler/Client Rep. ?	Y	N
						by Courier? UPS DHL FedEx Lone Star		
Relinquished by:	Date	Time	Received by:	Date	Time	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

September 26, 2024

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

Work Order: **HS24090950**

Laboratory Results for: **4118011**

Dear Brent Barron,

ALS Environmental received 6 sample(s) on Sep 19, 2024 for the analysis presented in the following report.

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

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

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

Sincerely,

Generated By: JUMOKE.LAWAL
Anna Kinchen
Project Manager

ALS Houston, US

Date: 26-Sep-24

Client: Permian Basin Environmental Lab, LP
Project: 4I18011
Work Order: HS24090950

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24090950-01	4I18011-01	Water		17-Sep-2024 13:40	19-Sep-2024 09:15	☐
HS24090950-02	4I18011-02	Water		17-Sep-2024 15:20	19-Sep-2024 09:15	☐
HS24090950-03	4I18011-03	Water		17-Sep-2024 16:30	19-Sep-2024 09:15	☐
HS24090950-04	4I18011-04	Water		17-Sep-2024 17:15	19-Sep-2024 09:15	☐
HS24090950-05	4I18011-05	Water		17-Sep-2024 18:21	19-Sep-2024 09:15	☐
HS24090950-06	4I18011-06	Water		17-Sep-2024 19:33	19-Sep-2024 09:15	☐

ALS Houston, US

Date: 26-Sep-24

Client: Permian Basin Environmental Lab, LP
Project: 4118011
Work Order: HS24090950

CASE NARRATIVE

GC Semivolatiles by Method RSK-175

Batch ID: R477688

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

Metals by Method SW6020A

Batch ID: 218033

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

WetChemistry by Method E415.1

Batch ID: R477999

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

ALS Houston, US

Date: 26-Sep-24

Client:Permian Basin Environmental Lab, LP

Project:4I18011

Sample ID:4I18011-01

Collection Date:17-Sep-2024 13:40

ANALYTICAL REPORT

WorkOrder:HS24090950

Lab ID:HS24090950-01

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	20-Sep-2024 09:53
Ethene	ND		1.00	ug/L	1	20-Sep-2024 09:53
Methane	1.74		0.500	ug/L	1	20-Sep-2024 09:53
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 25-Sep-2024 Analyst: JC		
Iron	0.224		0.200	mg/L	1	26-Sep-2024 15:16
Manganese	0.0147		0.00500	mg/L	1	26-Sep-2024 15:16
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: DH		
Organic Carbon, Total	7.25		1.00	mg/L	1	23-Sep-2024 19:52

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

ALS Houston, US

Date: 26-Sep-24

Client:Permian Basin Environmental Lab, LP

Project:4I18011

Sample ID:4I18011-02

Collection Date:17-Sep-2024 15:20

ANALYTICAL REPORT

WorkOrder:HS24090950

Lab ID:HS24090950-02

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	20-Sep-2024 10:01
Ethene	ND		1.00	ug/L	1	20-Sep-2024 10:01
Methane	1.67		0.500	ug/L	1	20-Sep-2024 10:01
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 25-Sep-2024 Analyst: JC		
Iron	ND		0.200	mg/L	1	26-Sep-2024 15:18
Manganese	ND		0.00500	mg/L	1	26-Sep-2024 15:18
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: DH		
Organic Carbon, Total	1.98		1.00	mg/L	1	23-Sep-2024 20:01

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

ALS Houston, US

Date: 26-Sep-24

Client:Permian Basin Environmental Lab, LP

Project:4I18011

Sample ID:4I18011-03

Collection Date:17-Sep-2024 16:30

ANALYTICAL REPORT

WorkOrder:HS24090950

Lab ID:HS24090950-03

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	20-Sep-2024 10:29
Ethene	ND		1.00	ug/L	1	20-Sep-2024 10:29
Methane	6.64		0.500	ug/L	1	20-Sep-2024 10:29
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 25-Sep-2024 Analyst: JC		
Iron	ND		0.200	mg/L	1	26-Sep-2024 15:20
Manganese	0.0102		0.00500	mg/L	1	26-Sep-2024 15:20
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: DH		
Organic Carbon, Total	3.85		1.00	mg/L	1	23-Sep-2024 20:11

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

ALS Houston, US

Date: 26-Sep-24

Client:Permian Basin Environmental Lab, LP

Project:4I18011

Sample ID:4I18011-04

Collection Date:17-Sep-2024 17:15

ANALYTICAL REPORT

WorkOrder:HS24090950

Lab ID:HS24090950-04

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	20-Sep-2024 10:40
Ethene	ND		1.00	ug/L	1	20-Sep-2024 10:40
Methane	611		10.0	ug/L	20	20-Sep-2024 11:41
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 25-Sep-2024 Analyst: JC		
Iron	0.339		0.200	mg/L	1	26-Sep-2024 15:22
Manganese	0.0522		0.00500	mg/L	1	26-Sep-2024 15:22
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: DH		
Organic Carbon, Total	5.40		1.00	mg/L	1	23-Sep-2024 20:32

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

ALS Houston, US

Date: 26-Sep-24

Client:Permian Basin Environmental Lab, LP

Project:4I18011

Sample ID:4I18011-05

Collection Date:17-Sep-2024 18:21

ANALYTICAL REPORT

WorkOrder:HS24090950

Lab ID:HS24090950-05

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	40.9		1.00	ug/L	1	20-Sep-2024 10:53
Ethene	ND		1.00	ug/L	1	20-Sep-2024 10:53
Methane	3,700		50.0	ug/L	100	20-Sep-2024 11:49
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 25-Sep-2024 Analyst: JC		
Iron	ND		0.200	mg/L	1	26-Sep-2024 15:24
Manganese	0.168		0.00500	mg/L	1	26-Sep-2024 15:24
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: DH		
Organic Carbon, Total	9.00		1.00	mg/L	1	23-Sep-2024 20:42

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

ALS Houston, US

Date: 26-Sep-24

Client:Permian Basin Environmental Lab, LP

Project:4I18011

Sample ID:4I18011-06

Collection Date:17-Sep-2024 19:33

ANALYTICAL REPORT

WorkOrder:HS24090950

Lab ID:HS24090950-06

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	46.8		1.00	ug/L	1	20-Sep-2024 11:16
Ethene	ND		1.00	ug/L	1	20-Sep-2024 11:16
Methane	2,470		50.0	ug/L	100	20-Sep-2024 12:54
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 25-Sep-2024 Analyst: JC		
Iron	ND		0.200	mg/L	1	26-Sep-2024 15:41
Manganese	0.104		0.00500	mg/L	1	26-Sep-2024 15:41
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: DH		
Organic Carbon, Total	1.54		1.00	mg/L	1	23-Sep-2024 20:51

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

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: 4I18011
WorkOrder: HS24090950

Batch ID: 218033	Start Date: 25 Sep 2024 14:30	End Date: 25 Sep 2024 14:30
Method: DISS METALS PREP - WATER - SW3010A	Prep Code: 3010A DISS	

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24090950-01		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24090950-02		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24090950-03		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24090950-04		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24090950-05		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24090950-06		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2

ALS Houston, US

Date: 26-Sep-24

Client: Permian Basin Environmental Lab, LP
Project: 4I18011
WorkOrder: HS24090950

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 218033 (0)		Test Name : DISSOLVED METALS BY SW6020A			Matrix: Water	
HS24090950-01	4I18011-01	17 Sep 2024 13:40		25 Sep 2024 14:30	26 Sep 2024 15:16	1
HS24090950-02	4I18011-02	17 Sep 2024 15:20		25 Sep 2024 14:30	26 Sep 2024 15:18	1
HS24090950-03	4I18011-03	17 Sep 2024 16:30		25 Sep 2024 14:30	26 Sep 2024 15:20	1
HS24090950-04	4I18011-04	17 Sep 2024 17:15		25 Sep 2024 14:30	26 Sep 2024 15:22	1
HS24090950-05	4I18011-05	17 Sep 2024 18:21		25 Sep 2024 14:30	26 Sep 2024 15:24	1
HS24090950-06	4I18011-06	17 Sep 2024 19:33		25 Sep 2024 14:30	26 Sep 2024 15:41	1
Batch ID: R477688 (0)		Test Name : DISSOLVED GASES BY RSK-175			Matrix: Water	
HS24090950-01	4I18011-01	17 Sep 2024 13:40			20 Sep 2024 09:53	1
HS24090950-02	4I18011-02	17 Sep 2024 15:20			20 Sep 2024 10:01	1
HS24090950-03	4I18011-03	17 Sep 2024 16:30			20 Sep 2024 10:29	1
HS24090950-04	4I18011-04	17 Sep 2024 17:15			20 Sep 2024 11:41	20
HS24090950-04	4I18011-04	17 Sep 2024 17:15			20 Sep 2024 10:40	1
HS24090950-05	4I18011-05	17 Sep 2024 18:21			20 Sep 2024 11:49	100
HS24090950-05	4I18011-05	17 Sep 2024 18:21			20 Sep 2024 10:53	1
HS24090950-06	4I18011-06	17 Sep 2024 19:33			20 Sep 2024 12:54	100
HS24090950-06	4I18011-06	17 Sep 2024 19:33			20 Sep 2024 11:16	1
Batch ID: R477999 (0)		Test Name : TOTAL ORGANIC CARBON BY E415.1			Matrix: Water	
HS24090950-01	4I18011-01	17 Sep 2024 13:40			23 Sep 2024 19:52	1
HS24090950-02	4I18011-02	17 Sep 2024 15:20			23 Sep 2024 20:01	1
HS24090950-03	4I18011-03	17 Sep 2024 16:30			23 Sep 2024 20:11	1
HS24090950-04	4I18011-04	17 Sep 2024 17:15			23 Sep 2024 20:32	1
HS24090950-05	4I18011-05	17 Sep 2024 18:21			23 Sep 2024 20:42	1
HS24090950-06	4I18011-06	17 Sep 2024 19:33			23 Sep 2024 20:51	1

ALS Houston, US

Date: 26-Sep-24

Client: Permian Basin Environmental Lab, LP
Project: 4I18011
WorkOrder: HS24090950

QC BATCH REPORT

Batch ID: R477688 (0)		Instrument: FID-4		Method: DISSOLVED GASES BY RSK-175						
MBLK	Sample ID: MBLK-240920	Units: ug/L			Analysis Date: 20-Sep-2024 09:05					
Client ID:	Run ID: FID-4_477688			SeqNo: 8262680		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-240920	Units: ug/L			Analysis Date: 20-Sep-2024 09:19					
Client ID:	Run ID: FID-4_477688			SeqNo: 8262681		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ethane	16.51	1.00	18.04	0	91.5	75 - 125				
Ethene	14.49	1.00	16.8	0	86.3	75 - 125				
Methane	9.486	0.500	9.647	0	98.3	75 - 125				
LCSD	Sample ID: LCSD-240920	Units: ug/L			Analysis Date: 20-Sep-2024 09:27					
Client ID:	Run ID: FID-4_477688			SeqNo: 8262682		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ethane	15.74	1.00	18.04	0	87.2	75 - 125	16.51	4.76	30	
Ethene	14.87	1.00	16.8	0	88.5	75 - 125	14.49	2.55	30	
Methane	9.053	0.500	9.647	0	93.8	75 - 125	9.486	4.67	30	
The following samples were analyzed in this batch:		HS24090950-01		HS24090950-02		HS24090950-03		HS24090950-04		
		HS24090950-05		HS24090950-06						

ALS Houston, US

Date: 26-Sep-24

Client: Permian Basin Environmental Lab, LP
Project: 4I18011
WorkOrder: HS24090950

QC BATCH REPORT

Batch ID: 218033 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
MBLK	Sample ID: MBLK-218033	Units: mg/L		Analysis Date: 26-Sep-2024 14:44					
Client ID:	Run ID: ICPMS06_478194	SeqNo: 8274388		PrepDate: 25-Sep-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	ND	0.200							
Manganese	ND	0.00500							

LCS	Sample ID: LCS-218033	Units: mg/L		Analysis Date: 26-Sep-2024 14:46					
Client ID:	Run ID: ICPMS06_478194	SeqNo: 8274389		PrepDate: 25-Sep-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	4.66	0.200	5	0	93.2	80 - 120			
Manganese	0.04509	0.00500	0.05	0	90.2	80 - 120			

MS	Sample ID: HS24090940-02MS	Units: mg/L		Analysis Date: 26-Sep-2024 14:52					
Client ID:	Run ID: ICPMS06_478194	SeqNo: 8274392		PrepDate: 25-Sep-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	4.616	0.200	5	0.02587	91.8	75 - 125			
Manganese	0.07488	0.00500	0.05	0.03061	88.6	75 - 125			

MSD	Sample ID: HS24090940-02MSD	Units: mg/L		Analysis Date: 26-Sep-2024 14:53					
Client ID:	Run ID: ICPMS06_478194	SeqNo: 8274393		PrepDate: 25-Sep-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	4.668	0.200	5	0.02587	92.8	75 - 125	4.616	1.11	20
Manganese	0.07679	0.00500	0.05	0.03061	92.4	75 - 125	0.07488	2.51	20

PDS	Sample ID: HS24090940-02PDS	Units: mg/L		Analysis Date: 26-Sep-2024 14:55					
Client ID:	Run ID: ICPMS06_478194	SeqNo: 8274394		PrepDate: 25-Sep-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	9.428	0.200	10	0.02587	94.0	75 - 125			
Manganese	0.1216	0.00500	0.1	0.03061	91.0	75 - 125			

ALS Houston, US

Date: 26-Sep-24

Client: Permian Basin Environmental Lab, LP

Project: 4I18011

WorkOrder: HS24090950

QC BATCH REPORT

Batch ID: 218033 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)						
SD	Sample ID: HS24090940-02SD		Units: mg/L		Analysis Date: 26-Sep-2024 14:48					
Client ID:	Run ID: ICPMS06_478194		SeqNo: 8274390		PrepDate: 25-Sep-2024		DF: 5			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	Limit	Qual
Iron	0.1469	1.00					0.02587	0	10	J
Manganese	0.03284	0.0250					0.03061	7.31	10	
The following samples were analyzed in this batch:										
HS24090950-01HS24090950-02HS24090950-03HS24090950-04 HS24090950-05HS24090950-06										

ALS Houston, US

Date: 26-Sep-24

Client: Permian Basin Environmental Lab, LP
Project: 4I18011
WorkOrder: HS24090950

QC BATCH REPORT

Batch ID: R477999 (0)		Instrument: TOC_04		Method: TOTAL ORGANIC CARBON BY E415.1						
MBLK	Sample ID: MBLK-09232024	Units: mg/L			Analysis Date: 23-Sep-2024 19:09					
Client ID:		Run ID: TOC_04_477999	SeqNo: 8269211		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-09232024	Units: mg/L			Analysis Date: 23-Sep-2024 19:21					
Client ID:		Run ID: TOC_04_477999	SeqNo: 8269212		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	9.747	1.00	10	0	97.5	85 - 115				
LCSD	Sample ID: LCSD-09232024	Units: mg/L			Analysis Date: 23-Sep-2024 19:31					
Client ID:		Run ID: TOC_04_477999	SeqNo: 8269213		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	9.748	1.00	10	0	97.5	85 - 115	9.747	0.0103	20	
MS	Sample ID: HS24090950-03MS	Units: mg/L			Analysis Date: 23-Sep-2024 20:22					
Client ID: 4I18011-03		Run ID: TOC_04_477999	SeqNo: 8269217		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	12.41	1.00	10	3.853	85.6	80 - 120				
The following samples were analyzed in this batch:				HS24090950-01		HS24090950-02		HS24090950-03		HS24090950-04
				HS24090950-05		HS24090950-06				

ALS Houston, US

Date: 26-Sep-24

Client: Permian Basin Environmental Lab, LP
Project: 4118011
WorkOrder: HS24090950

**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: 26-Sep-24

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arizona	AZ0793	27-May-2025
Arkansas	88-00356_2024	27-Mar-2025
California	2919; 2025	30-Apr-2025
Dept of Defense	L24-240	30-Apr-2026
Dept of Defense	L24-239	30-Apr-2026
Florida	E87611-38	30-Jun-2025
Illinois	2000322023-11	31-Jul-2025
Kansas	E-10352 2023-2024	31-Jul-2025
Kentucky	123043	30-Apr-2025
Louisiana	03087 2023-2024	30-Jun-2025
Maine	2024017	23-Jun-2026
Michigan	9971	30-Apr-2025
Nebraska	NE-OS-25-13	30-Apr-2025
New Jersey	TX008	30-Jun-2025
North Carolina	624 - 2024	31-Dec-2024
North Dakota	R-193 2023-2024	30-Sep-2024
Pennsylvania	018	30-Jun-2025
Tennessee	04016	30-Apr-2025
Texas	T104704231 TX-C24-00130	30-Apr-2025
Utah	TX026932023-14	31-Jul-2025

ALS Houston, US

Date: 26-Sep-24

Sample Receipt Checklist

Work Order ID: HS24090950

Date/Time Received: 19-Sep-2024 09:15

Client Name: Permian Basin Lab

Received by: Jacob Coronado

Completed By: /S/ Michael Lucio

19-Sep-2024 12:58

Reviewed by:

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):

3.4uc/3.4c

IR34

Cooler(s)/Kit(s):

Blue

Date/Time sample(s) sent to storage:

09/19/2024 1258

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:

Permian Basin Environmental Lab, LP
4118011



Project Loc: _____

PO #:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES



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

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

e-mail: brentbarron@pbelab.com

[illegible]

Please add tressa@pbelab.com to the WOA. Thank you.

Please add tressa@pbelab.com to the WOA. Thank you.						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					
BRENT BARRON	9/18/2024	5:00 PM	Received by:	Date	Time						
Relinquished by:	Date	Time	Received by:	Date	Time						
Relinquished by:	Date	Time	Received by:	Date	Time						

Page 19 of 20

ORIGIN ID:MAFA (432) 686-7235

PRENT BARRON
PRE LAB
1400 RANKIN HWY
MIDLAND, TX 79701
UNITED STATES US

SHIP DATE: 18SEP24
ACTWG37 33.00 LB
CAD: 10713866INET4535
DIMS: 15x17x9 IN
BILL RECEIPT

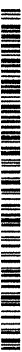
TO **SAMPLE RECEIVING**
ALS-HOUSTON
10450 STANCLIFF RD
HOUSTON TX 77099

REF: 583J2/4EF9/9AE3

TRK# 7786 7576 8533
0201

THU - 19 SEP 5:00P
STANDARD OVERNIGHT

AB SGRA
TX-US IAH
77099


0201




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CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH
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**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

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

Project: 98-05A
Project Number: SRS: TNM 98-05A
Location: Lea County, NM
Lab Order Number: 4127003



Current Certification

Report Date: 10/01/24

TRC Solutions- Midland, Texas	Project: 98-05A
10 Desta Dr STE 150E	Project Number: SRS: TNM 98-05A
Midland TX, 79705	Project Manager: Jonathan Repman

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	4I27003-01	Water	09/18/24 10:11	09-27-2024 09:10
MW-2	4I27003-02	Water	09/18/24 10:35	09-27-2024 09:10

TRC Solutions- Midland, Texas	Project: 98-05A
10 Desta Dr STE 150E	Project Number: SRS: TNM 98-05A
Midland TX, 79705	Project Manager: Jonathan Repman

MW-1
4127003-01 (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	P412705	09/27/24 11:35	09/28/24 07:25	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P412705	09/27/24 11:35	09/28/24 07:25	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P412705	09/27/24 11:35	09/28/24 07:25	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P412705	09/27/24 11:35	09/28/24 07:25	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P412705	09/27/24 11:35	09/28/24 07:25	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		117 %	80-120		P412705	09/27/24 11:35	09/28/24 07:25	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		83.8 %	80-120		P412705	09/27/24 11:35	09/28/24 07:25	EPA 8021B	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/27/24 11:35	09/28/24 07:25	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/27/24 11:35	09/28/24 07:25	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.

TRC Solutions- Midland, Texas	Project: 98-05A
10 Desta Dr STE 150E	Project Number: SRS: TNM 98-05A
Midland TX, 79705	Project Manager: Jonathan Repman

MW-2
4127003-02 (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	0.0707	0.00100	mg/L	1	P4I2705	09/27/24 11:35	09/28/24 07:47	EPA 8021B	
Toluene	0.0200	0.00100	mg/L	1	P4I2705	09/27/24 11:35	09/28/24 07:47	EPA 8021B	
Ethylbenzene	0.0235	0.00100	mg/L	1	P4I2705	09/27/24 11:35	09/28/24 07:47	EPA 8021B	
Xylene (p/m)	0.121	0.00200	mg/L	1	P4I2705	09/27/24 11:35	09/28/24 07:47	EPA 8021B	
Xylene (o)	0.0245	0.00100	mg/L	1	P4I2705	09/27/24 11:35	09/28/24 07:47	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	115 %	80-120			P4I2705	09/27/24 11:35	09/28/24 07:47	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	81.8 %	80-120			P4I2705	09/27/24 11:35	09/28/24 07:47	EPA 8021B	
Total BTEX	0.260	0.00100	mg/L	1	[CALC]	09/27/24 11:35	09/28/24 07:47	EPA 8021B	
Xylenes (total)	0.146	0.00100	mg/L	1	[CALC]	09/27/24 11:35	09/28/24 07:47	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.

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

Project: 98-05A
Project Number: SRS: TNM 98-05A
Project Manager: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P412705 - * DEFAULT PREP *****

Blank (P412705-BLK1)

Prepared: 09/27/24 Analyzed: 09/28/24

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.140		"	0.120		117	80-120			
Surrogate: 1,4-Difluorobenzene	0.104		"	0.120		86.3	80-120			

LCS (P412705-BS1)

Prepared: 09/27/24 Analyzed: 09/28/24

Benzene	0.0983	0.00100	mg/L	0.100		98.3	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.116	0.00100	"	0.100		116	80-120			
Xylene (p/m)	0.235	0.00200	"	0.200		118	80-120			
Xylene (o)	0.104	0.00100	"	0.100		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.143		"	0.120		119	80-120			
Surrogate: 1,4-Difluorobenzene	0.112		"	0.120		93.2	80-120			

LCS Dup (P412705-BS1)

Prepared: 09/27/24 Analyzed: 09/28/24

Benzene	0.100	0.00100	mg/L	0.100		100	80-120	2.12	20	
Toluene	0.105	0.00100	"	0.100		105	80-120	3.04	20	
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120	2.44	20	
Xylene (p/m)	0.238	0.00200	"	0.200		119	80-120	1.13	20	
Xylene (o)	0.106	0.00100	"	0.100		106	80-120	2.19	20	
Surrogate: 4-Bromofluorobenzene	0.142		"	0.120		118	80-120			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.8	80-120			

Calibration Blank (P412705-CCB1)

Prepared: 09/27/24 Analyzed: 09/28/24

Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.138		"	0.120		115	80-120			
Surrogate: 1,4-Difluorobenzene	0.104		"	0.120		86.3	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
Project Number: SRS: TNM 98-05A
Project Manager: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4I2705 - * DEFAULT PREP *****

Calibration Blank (P4I2705-CCB2)

Prepared: 09/27/24 Analyzed: 09/28/24

Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.141		"	0.120		117	80-120			
Surrogate: 1,4-Difluorobenzene	0.102		"	0.120		85.0	80-120			

Calibration Check (P4I2705-CCV1)

Prepared: 09/27/24 Analyzed: 09/28/24

Benzene	0.101	0.00100	mg/L	0.100		101	80-120			
Toluene	0.106	0.00100	"	0.100		106	80-120			
Ethylbenzene	0.107	0.00100	"	0.100		107	80-120			
Xylene (p/m)	0.239	0.00200	"	0.200		119	80-120			
Xylene (o)	0.107	0.00100	"	0.100		107	80-120			
Surrogate: 4-Bromofluorobenzene	0.138		"	0.120		115	80-120			
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		90.8	80-120			

Calibration Check (P4I2705-CCV2)

Prepared: 09/27/24 Analyzed: 09/28/24

Benzene	0.106	0.00100	mg/L	0.100		106	80-120			
Toluene	0.113	0.00100	"	0.100		113	80-120			
Ethylbenzene	0.115	0.00100	"	0.100		115	80-120			
Xylene (p/m)	0.240	0.00200	"	0.200		120	80-120			
Xylene (o)	0.116	0.00100	"	0.100		116	80-120			
Surrogate: 4-Bromofluorobenzene	0.132		"	0.120		110	80-120			
Surrogate: 1,4-Difluorobenzene	0.104		"	0.120		86.6	80-120			

Calibration Check (P4I2705-CCV3)

Prepared: 09/27/24 Analyzed: 09/28/24

Benzene	0.104	0.00100	mg/L	0.100		104	80-120			
Toluene	0.109	0.00100	"	0.100		109	80-120			
Ethylbenzene	0.110	0.00100	"	0.100		110	80-120			
Xylene (p/m)	0.239	0.00200	"	0.200		120	80-120			
Xylene (o)	0.111	0.00100	"	0.100		111	80-120			
Surrogate: 4-Bromofluorobenzene	0.136		"	0.120		114	80-120			
Surrogate: 1,4-Difluorobenzene	0.108		"	0.120		89.8	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: 98-05A
Project Number: SRS: TNM 98-05A
Project Manager: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4I2705 - * DEFAULT PREP *****

Matrix Spike (P4I2705-MS1)

Source: 4I26013-14

Prepared: 09/27/24 Analyzed: 09/28/24

Benzene	0.101	0.00100	mg/L	0.100	ND	101	80-120			
Toluene	0.105	0.00100	"	0.100	ND	105	80-120			
Ethylbenzene	0.119	0.00100	"	0.100	ND	119	80-120			
Xylene (p/m)	0.238	0.00200	"	0.200	ND	119	80-120			
Xylene (o)	0.104	0.00100	"	0.100	ND	104	80-120			
Surrogate: 4-Bromofluorobenzene	0.142		"	0.120		118	80-120			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.9	80-120			

Matrix Spike Dup (P4I2705-MSD1)

Source: 4I26013-14

Prepared: 09/27/24 Analyzed: 09/28/24

Benzene	0.102	0.00100	mg/L	0.100	ND	102	80-120	1.55	20	
Toluene	0.107	0.00100	"	0.100	ND	107	80-120	1.65	20	
Ethylbenzene	0.122	0.00100	"	0.100	ND	122	80-120	2.13	20	QM-05
Xylene (p/m)	0.242	0.00200	"	0.200	ND	121	80-120	1.58	20	QM-05
Xylene (o)	0.105	0.00100	"	0.100	ND	105	80-120	1.37	20	
Surrogate: 4-Bromofluorobenzene	0.140		"	0.120		117	80-120			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.6	80-120			

Permian Basin Environmental Lab, L.P.

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

Released to Imaging: 11/18/2025 8:46:26 AM

Page 7 of 10

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

Project: 98-05A
Project Number: SRS: TNM 98-05A
Project Manager: Jonathan Repman

Notes and Definitions

ROI Received on Ice

QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

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

NPBEL C Chain of Custody was not generated at PBELAB

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

10/1/2024

Brent Barron, Laboratory Director/Technical Director

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

Permian Basin Environmental Lab, L.P.

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
Project Number: SRS: TNM 98-05A
Project Manager: Jonathan Repman

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

Project Manager:

Jon Repman

Project Name:

98-05

Company Name:

TRC

Project #:

Company Address:

10 Dosta Dr

Project Loc:

City/State/Zip:

Midland Tx 79705

PO #:

Telephone No:

(432) 520-7720

Report Format: ☐ Standard ☐ TRRP ☐ NPDES

Sampler Signature:

[Signature]

e-mail:

Analyze For:

ORDER #: 4I27003

(lab use only)

Preservation & # of Containers

Matrix

TCLP:

TOTAL:

RUSH TAT (Pre-Schedule) 24, 48, 72 h

LAB # (lab use only)

FIELD CODE

Beginning Depth

Ending Depth

Date Sampled

Time Sampled

Field Filtered

Total #. of Containers

Ice

HNO₃

HCl

H₂SO₄

NaOH

Na₂S₂O₃

None

Other (Specify)

DW=Drinking Water SL=Sludge

GW = Groundwater S=Soil/Solid

NP=Non-Potable Specify Other

TPH: TX 1005 TX 1006

Anions (Cl, SO₄, Alkalinity)

BTEX 8021B/5030 or BTEX 8260

Standard TAT

Special Instructions:

Relinquished by:

Date

Time

Received by:

Time

Date

Time

Relinquished by:

Date

Time

Received by:

Time

Date

Time

Relinquished by:

Date

Time

Received by:

Time

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?

Temperature Upon Receipt:

Adjusted:

Y

Y

Y

Y

Y

Y

Y

Y

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



Analytical Report

Prepared for:

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Location: Lea County, NM
Lab Order Number: 4K01001



Current Certification

Report Date: 11/24/24

TRC Solutions- Midland, Texas	Project: 98-05A_MNA
10 Desta Dr STE 150E	Project Number: TNM 98-05A
Midland TX, 79705	Project Manager: Jonathan Repman

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-3	4K01001-01	Water	10/31/24 11:57	11-01-2024 08:52
MW-5	4K01001-02	Water	10/31/24 13:09	11-01-2024 08:52
MW-6	4K01001-03	Water	10/31/24 14:25	11-01-2024 08:52
MW-12	4K01001-04	Water	10/31/24 15:39	11-01-2024 08:52
MW-10	4K01001-05	Water	10/31/24 16:56	11-01-2024 08:52
MW-13	4K01001-06	Water	10/31/24 18:03	11-01-2024 08:52

TOC, RSK-175, Dissolved Mn, Dissolved Fe, and PAH 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: Jonathan Repman

MW-3
4K01001-01 (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	P4J3108	11/01/24 10:27	11/01/24 12:53	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4J3108	11/01/24 10:27	11/01/24 12:53	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4J3108	11/01/24 10:27	11/01/24 12:53	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4J3108	11/01/24 10:27	11/01/24 12:53	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4J3108	11/01/24 10:27	11/01/24 12:53	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	97.7 %		80-120		P4J3108	11/01/24 10:27	11/01/24 12:53	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	103 %		80-120		P4J3108	11/01/24 10:27	11/01/24 12:53	EPA 8021B	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	11/01/24 10:27	11/01/24 12:53	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	11/01/24 10:27	11/01/24 12:53	EPA 8021B	

Organics by GC

Ethane	ND	0.00100	mg/L	1	P4K1808	11/07/24 00:00	11/07/24 09:45	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4K1808	11/07/24 00:00	11/07/24 09:45	8015M	SUB-13
Methane	0.00147	0.000500	mg/L	1	P4K1808	11/07/24 00:00	11/07/24 09:45	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	2.00	mg/L	1	P4K2010	11/20/24 13:39	11/20/24 13:40	8000	
Nitrate as N	0.515	0.200	mg/L	1	P4K0103	11/01/24 12:20	11/01/24 16:39	EPA 300.0	
Sulfate	175	1.00	mg/L	1	P4K0103	11/01/24 12:20	11/01/24 16:39	EPA 300.0	
Total Organic Carbon	2.63	1.00	mg/L	1	P4K1808	11/11/24 17:54	11/11/24 17:54	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P4K1808	11/07/24 00:00	11/08/24 21:46	EPA 6020A	SUB-13
Manganese	ND	0.00500	mg/L	1	P4K1808	11/07/24 00:00	11/08/24 21:46	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

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

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Jonathan Repman

MW-5
4K01001-02 (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	P4J3108	11/01/24 10:27	11/01/24 13:14	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4J3108	11/01/24 10:27	11/01/24 13:14	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4J3108	11/01/24 10:27	11/01/24 13:14	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4J3108	11/01/24 10:27	11/01/24 13:14	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4J3108	11/01/24 10:27	11/01/24 13:14	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	96.2 %		80-120		P4J3108	11/01/24 10:27	11/01/24 13:14	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	102 %		80-120		P4J3108	11/01/24 10:27	11/01/24 13:14	EPA 8021B	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	11/01/24 10:27	11/01/24 13:14	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	11/01/24 10:27	11/01/24 13:14	EPA 8021B	

Organics by GC

Ethane	ND	0.00100	mg/L	1	P4K1808	11/07/24 00:00	11/07/24 09:55	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4K1808	11/07/24 00:00	11/07/24 09:55	8015M	SUB-13
Methane	0.00133	0.000500	mg/L	1	P4K1808	11/07/24 00:00	11/07/24 09:55	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	2.00	2.00	mg/L	1	P4K2010	11/20/24 13:39	11/20/24 13:40	8000	
Nitrate as N	0.449	0.200	mg/L	1	P4K0103	11/01/24 12:20	11/01/24 17:37	EPA 300.0	
Sulfate	177	1.00	mg/L	1	P4K0103	11/01/24 12:20	11/01/24 17:37	EPA 300.0	
Total Organic Carbon	2.87	1.00	mg/L	1	P4K1808	11/11/24 18:06	11/11/24 18:06	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P4K1808	11/07/24 00:00	11/08/24 22:02	EPA 6020A	SUB-13
Manganese	ND	0.00500	mg/L	1	P4K1808	11/07/24 00:00	11/08/24 22:02	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

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

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Jonathan Repman

MW-6
4K01001-03 (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	P4J3108	11/01/24 10:27	11/01/24 13:35	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4J3108	11/01/24 10:27	11/01/24 13:35	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4J3108	11/01/24 10:27	11/01/24 13:35	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4J3108	11/01/24 10:27	11/01/24 13:35	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4J3108	11/01/24 10:27	11/01/24 13:35	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	92.5 %		80-120		P4J3108	11/01/24 10:27	11/01/24 13:35	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	104 %		80-120		P4J3108	11/01/24 10:27	11/01/24 13:35	EPA 8021B	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	11/01/24 10:27	11/01/24 13:35	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	11/01/24 10:27	11/01/24 13:35	EPA 8021B	

Organics by GC

Ethane	ND	0.00100	mg/L	1	P4K1808	11/07/24 00:00	11/07/24 10:12	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4K1808	11/07/24 00:00	11/07/24 10:12	8015M	SUB-13
Methane	0.00401	0.000500	mg/L	1	P4K1808	11/07/24 00:00	11/07/24 10:12	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	2.00	mg/L	1	P4K2010	11/20/24 13:39	11/20/24 13:40	8000	
Nitrate as N	4.09	0.200	mg/L	1	P4K0103	11/01/24 12:20	11/01/24 17:57	EPA 300.0	
Sulfate	137	1.00	mg/L	1	P4K0103	11/01/24 12:20	11/01/24 17:57	EPA 300.0	
Total Organic Carbon	6.18	1.00	mg/L	1	P4K1808	11/11/24 18:19	11/11/24 18:19	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P4K1808	11/07/24 00:00	11/08/24 22:04	EPA 6020A	SUB-13
Manganese	0.0107	0.00500	mg/L	1	P4K1808	11/07/24 00:00	11/08/24 22:04	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Jonathan Repman

MW-12
4K01001-04 (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	P4J3108	11/01/24 10:27	11/01/24 13:56	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4J3108	11/01/24 10:27	11/01/24 13:56	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4J3108	11/01/24 10:27	11/01/24 13:56	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4J3108	11/01/24 10:27	11/01/24 13:56	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4J3108	11/01/24 10:27	11/01/24 13:56	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	91.8 %		80-120		P4J3108	11/01/24 10:27	11/01/24 13:56	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	103 %		80-120		P4J3108	11/01/24 10:27	11/01/24 13:56	EPA 8021B	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	11/01/24 10:27	11/01/24 13:56	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	11/01/24 10:27	11/01/24 13:56	EPA 8021B	

Organics by GC

Ethane	ND	0.00100	mg/L	1	P4K1808	11/07/24 00:00	11/07/24 10:23	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4K1808	11/07/24 00:00	11/07/24 10:23	8015M	SUB-13
Methane	0.576	0.0250	mg/L	1	P4K1808	11/07/24 00:00	11/07/24 11:00	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	7.00	2.00	mg/L	1	P4K2010	11/20/24 13:39	11/20/24 13:40	8000	
Nitrate as N	ND	0.200	mg/L	1	P4K0103	11/01/24 12:20	11/01/24 18:16	EPA 300.0	
Sulfate	110	1.00	mg/L	1	P4K0103	11/01/24 12:20	11/01/24 18:16	EPA 300.0	
Total Organic Carbon	5.24	1.00	mg/L	1	P4K1808	11/11/24 18:32	11/11/24 18:32	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	0.241	0.200	mg/L	1	P4K1808	11/07/24 00:00	11/08/24 22:06	EPA 6020A	SUB-13
Manganese	0.0488	0.00500	mg/L	1	P4K1808	11/07/24 00:00	11/08/24 22:06	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Jonathan Repman

MW-10
4K01001-05 (Water)

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

Organics by GC

Benzene	0.0527	0.00100	mg/L	1	P4J3108	11/01/24 10:27	11/01/24 14:18	EPA 8021B	
Toluene	0.00633	0.00100	mg/L	1	P4J3108	11/01/24 10:27	11/01/24 14:18	EPA 8021B	
Ethylbenzene	0.00578	0.00100	mg/L	1	P4J3108	11/01/24 10:27	11/01/24 14:18	EPA 8021B	
Xylene (p/m)	0.0178	0.00200	mg/L	1	P4J3108	11/01/24 10:27	11/01/24 14:18	EPA 8021B	
Xylene (o)	0.00326	0.00100	mg/L	1	P4J3108	11/01/24 10:27	11/01/24 14:18	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>99.1 %</i>		<i>80-120</i>		<i>P4J3108</i>	<i>11/01/24 10:27</i>	<i>11/01/24 14:18</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>94.9 %</i>		<i>80-120</i>		<i>P4J3108</i>	<i>11/01/24 10:27</i>	<i>11/01/24 14:18</i>	<i>EPA 8021B</i>	
Total BTEX	0.0860	0.00100	mg/L	1	[CALC]	11/01/24 10:27	11/01/24 14:18	EPA 8021B	
Xylenes (total)	0.0211	0.00100	mg/L	1	[CALC]	11/01/24 10:27	11/01/24 14:18	EPA 8021B	

Organics by GC

Ethane	0.0143	0.00100	mg/L	1	P4K1808	11/07/24 00:00	11/07/24 10:34	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4K1808	11/07/24 00:00	11/07/24 10:34	8015M	SUB-13
Methane	3.15	0.0500	mg/L	1	P4K1808	11/07/24 00:00	11/07/24 11:46	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	36.0	2.00	mg/L	1	P4K2010	11/20/24 13:39	11/20/24 13:40	8000	
Nitrate as N	ND	0.200	mg/L	1	P4K0103	11/01/24 12:20	11/01/24 18:36	EPA 300.0	
Sulfate	34.5	1.00	mg/L	1	P4K0103	11/01/24 12:20	11/01/24 18:36	EPA 300.0	
Total Organic Carbon	24.3	1.00	mg/L	1	P4K1808	11/11/24 18:46	11/11/24 18:46	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P4K1808	11/07/24 00:00	11/08/24 22:08	EPA 6020A	SUB-13
Manganese	0.156	0.00500	mg/L	1	P4K1808	11/07/24 00:00	11/08/24 22:08	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Jonathan Repman

MW-10
4K01001-05 (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	0.017	0.00083	mg/L	1	P4K1811	11/07/24 12:30	11/09/24 19:09	8270C	SUB-13
2-Methylnaphthalene	0.0090	0.00083	mg/L	1	P4K1811	11/07/24 12:30	11/09/24 19:09	8270C	SUB-13
Acenaphthene	ND	0.00083	mg/L	1	P4K1811	11/07/24 12:30	11/09/24 19:09	8270C	SUB-13
Acenaphthylene	ND	0.00083	mg/L	1	P4K1811	11/07/24 12:30	11/09/24 19:09	8270C	SUB-13
Anthracene	ND	0.00083	mg/L	1	P4K1811	11/07/24 12:30	11/09/24 19:09	8270C	SUB-13
Benzo (a) anthracene	ND	0.00083	mg/L	1	P4K1811	11/07/24 12:30	11/09/24 19:09	8270C	SUB-13
Benzo (a) pyrene	ND	0.00083	mg/L	1	P4K1811	11/07/24 12:30	11/09/24 19:09	8270C	SUB-13
Benzo (b) fluoranthene	ND	0.00083	mg/L	1	P4K1811	11/07/24 12:30	11/09/24 19:09	8270C	SUB-13
Benzo (g,h,i) perylene	ND	0.00083	mg/L	1	P4K1811	11/07/24 12:30	11/09/24 19:09	8270C	SUB-13
Benzo (k) fluoranthene	ND	0.00083	mg/L	1	P4K1811	11/07/24 12:30	11/09/24 19:09	8270C	SUB-13
Chrysene	ND	0.00083	mg/L	1	P4K1811	11/07/24 12:30	11/09/24 19:09	8270C	SUB-13
Dibenzo (a,h) anthracene	ND	0.00083	mg/L	1	P4K1811	11/07/24 12:30	11/09/24 19:09	8270C	SUB-13
Dibenzofuran	ND	0.00083	mg/L	1	P4K1811	11/07/24 12:30	11/09/24 19:09	8270C	SUB-13
Fluoranthene	ND	0.00083	mg/L	1	P4K1811	11/07/24 12:30	11/09/24 19:09	8270C	SUB-13
Fluorene	0.0039	0.00083	mg/L	1	P4K1811	11/07/24 12:30	11/09/24 19:09	8270C	SUB-13
Indeno (1,2,3-cd) pyrene	ND	0.00083	mg/L	1	P4K1811	11/07/24 12:30	11/09/24 19:09	8270C	SUB-13
Naphthalene	0.0086	0.00083	mg/L	1	P4K1811	11/07/24 12:30	11/09/24 19:09	8270C	SUB-13
Phenanthrene	0.0041	0.00083	mg/L	1	P4K1811	11/07/24 12:30	11/09/24 19:09	8270C	SUB-13
Pyrene	ND	0.00083	mg/L	1	P4K1811	11/07/24 12:30	11/09/24 19:09	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: Jonathan Repman

MW-13
4K01001-06 (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	1.83	0.100	mg/L	100	P4J3108	11/01/24 10:27	11/04/24 10:49	EPA 8021B	
Toluene	0.00392	0.00100	mg/L	1	P4J3108	11/01/24 10:27	11/01/24 15:21	EPA 8021B	
Ethylbenzene	0.00660	0.00100	mg/L	1	P4J3108	11/01/24 10:27	11/01/24 15:21	EPA 8021B	
Xylene (p/m)	0.00541	0.00200	mg/L	1	P4J3108	11/01/24 10:27	11/01/24 15:21	EPA 8021B	
Xylene (o)	0.00235	0.00100	mg/L	1	P4J3108	11/01/24 10:27	11/01/24 15:21	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>94.8 %</i>				<i>P4J3108</i>	<i>11/01/24 10:27</i>	<i>11/01/24 15:21</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>105 %</i>				<i>P4J3108</i>	<i>11/01/24 10:27</i>	<i>11/01/24 15:21</i>	<i>EPA 8021B</i>	
Total BTEX	1.85	0.00100	mg/L	100	[CALC]	11/01/24 10:27	11/04/24 10:49	EPA 8021B	
Xylenes (total)	0.00776	0.00100	mg/L	1	[CALC]	11/01/24 10:27	11/01/24 15:21	EPA 8021B	

Organics by GC

Ethane	ND	0.100	mg/L	1	P4K1808	11/07/24 00:00	11/07/24 11:56	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4K1808	11/07/24 00:00	11/07/24 10:45	8015M	SUB-13
Methane	3.10	0.0500	mg/L	1	P4K1808	11/07/24 00:00	11/07/24 11:56	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	48.0	2.00	mg/L	1	P4K2010	11/20/24 13:39	11/20/24 13:40	8000	
Nitrate as N	ND	0.200	mg/L	1	P4K0103	11/01/24 12:20	11/01/24 18:55	EPA 300.0	
Sulfate	42.6	1.00	mg/L	1	P4K0103	11/01/24 12:20	11/01/24 18:55	EPA 300.0	
Total Organic Carbon	19.5	1.00	mg/L	1	P4K1808	11/11/24 18:59	11/11/24 18:59	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	0.395	0.200	mg/L	1	P4K1808	11/07/24 00:00	11/08/24 22:10	EPA 6020A	SUB-13
Manganese	0.127	0.00500	mg/L	1	P4K1808	11/07/24 00:00	11/08/24 22:10	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

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

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Jonathan Repman

MW-13
4K01001-06 (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	0.0047	0.000083	mg/L	1	P4K1811	11/07/24 12:30	11/09/24 19:27	8270C	SUB-13
2-Methylnaphthalene	0.0020	0.000083	mg/L	1	P4K1811	11/07/24 12:30	11/09/24 19:27	8270C	SUB-13
Acenaphthene	ND	0.000083	mg/L	1	P4K1811	11/07/24 12:30	11/09/24 19:27	8270C	SUB-13
Acenaphthylene	ND	0.000083	mg/L	1	P4K1811	11/07/24 12:30	11/09/24 19:27	8270C	SUB-13
Anthracene	0.00011	0.000083	mg/L	1	P4K1811	11/07/24 12:30	11/09/24 19:27	8270C	SUB-13
Benzo (a) anthracene	ND	0.000083	mg/L	1	P4K1811	11/07/24 12:30	11/09/24 19:27	8270C	SUB-13
Benzo (a) pyrene	ND	0.000083	mg/L	1	P4K1811	11/07/24 12:30	11/09/24 19:27	8270C	SUB-13
Benzo (b) fluoranthene	ND	0.000083	mg/L	1	P4K1811	11/07/24 12:30	11/09/24 19:27	8270C	SUB-13
Benzo (g,h,i) perylene	ND	0.000083	mg/L	1	P4K1811	11/07/24 12:30	11/09/24 19:27	8270C	SUB-13
Benzo (k) fluoranthene	ND	0.000083	mg/L	1	P4K1811	11/07/24 12:30	11/09/24 19:27	8270C	SUB-13
Chrysene	ND	0.000083	mg/L	1	P4K1811	11/07/24 12:30	11/09/24 19:27	8270C	SUB-13
Dibenzo (a,h) anthracene	ND	0.000083	mg/L	1	P4K1811	11/07/24 12:30	11/09/24 19:27	8270C	SUB-13
Dibenzofuran	ND	0.000083	mg/L	1	P4K1811	11/07/24 12:30	11/09/24 19:27	8270C	SUB-13
Fluoranthene	ND	0.000083	mg/L	1	P4K1811	11/07/24 12:30	11/09/24 19:27	8270C	SUB-13
Fluorene	0.0013	0.000083	mg/L	1	P4K1811	11/07/24 12:30	11/09/24 19:27	8270C	SUB-13
Indeno (1,2,3-cd) pyrene	ND	0.000083	mg/L	1	P4K1811	11/07/24 12:30	11/09/24 19:27	8270C	SUB-13
Naphthalene	0.0037	0.000083	mg/L	1	P4K1811	11/07/24 12:30	11/09/24 19:27	8270C	SUB-13
Phenanthrene	0.00087	0.000083	mg/L	1	P4K1811	11/07/24 12:30	11/09/24 19:27	8270C	SUB-13
Pyrene	ND	0.000083	mg/L	1	P4K1811	11/07/24 12:30	11/09/24 19:27	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: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4J3108 - * DEFAULT PREP *****

Blank (P4J3108-BLK1)

Prepared: 10/31/24 Analyzed: 11/01/24

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.108		"	0.120		90.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.125		"	0.120		104	80-120			

LCS (P4J3108-BS1)

Prepared: 10/31/24 Analyzed: 11/01/24

Benzene	0.0912	0.00100	mg/L	0.100		91.2	80-120			
Toluene	0.0873	0.00100	"	0.100		87.3	80-120			
Ethylbenzene	0.0848	0.00100	"	0.100		84.8	80-120			
Xylene (p/m)	0.165	0.00200	"	0.200		82.5	80-120			
Xylene (o)	0.0859	0.00100	"	0.100		85.9	80-120			
Surrogate: 4-Bromofluorobenzene	0.108		"	0.120		89.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.126		"	0.120		105	80-120			

LCS Dup (P4J3108-BSD1)

Prepared: 10/31/24 Analyzed: 11/01/24

Benzene	0.0869	0.00100	mg/L	0.100		86.9	80-120	4.81	20	
Toluene	0.0845	0.00100	"	0.100		84.5	80-120	3.27	20	
Ethylbenzene	0.0819	0.00100	"	0.100		81.9	80-120	3.56	20	
Xylene (p/m)	0.161	0.00200	"	0.200		80.5	80-120	2.47	20	
Xylene (o)	0.0826	0.00100	"	0.100		82.6	80-120	3.99	20	
Surrogate: 4-Bromofluorobenzene	0.106		"	0.120		88.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.125		"	0.120		104	80-120			

Calibration Blank (P4J3108-CCB1)

Prepared: 10/31/24 Analyzed: 11/01/24

Benzene	0.0800		ug/l							
Toluene	0.280		"							
Ethylbenzene	0.380		"							
Xylene (p/m)	0.870		"							
Xylene (o)	0.650		"							
Surrogate: 4-Bromofluorobenzene	0.113		"	0.120		94.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.124		"	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: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4J3108 - * DEFAULT PREP *****

Calibration Blank (P4J3108-CCB2)

Prepared: 10/31/24 Analyzed: 11/01/24

Benzene	0.110		ug/l							
Toluene	0.230		"							
Ethylbenzene	0.430		"							
Xylene (p/m)	0.960		"							
Xylene (o)	0.560		"							
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		95.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			

Calibration Check (P4J3108-CCV1)

Prepared: 10/31/24 Analyzed: 11/01/24

Benzene	0.0916	0.00100	mg/L	0.100		91.6	80-120			
Toluene	0.0923	0.00100	"	0.100		92.3	80-120			
Ethylbenzene	0.0908	0.00100	"	0.100		90.8	80-120			
Xylene (p/m)	0.180	0.00200	"	0.200		90.0	80-120			
Xylene (o)	0.0910	0.00100	"	0.100		91.0	80-120			
Surrogate: 4-Bromofluorobenzene	0.111		"	0.120		92.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		103	80-120			

Calibration Check (P4J3108-CCV2)

Prepared: 10/31/24 Analyzed: 11/01/24

Benzene	0.0906	0.00100	mg/L	0.100		90.6	80-120			
Toluene	0.0881	0.00100	"	0.100		88.1	80-120			
Ethylbenzene	0.0872	0.00100	"	0.100		87.2	80-120			
Xylene (p/m)	0.174	0.00200	"	0.200		87.2	80-120			
Xylene (o)	0.0890	0.00100	"	0.100		89.0	80-120			
Surrogate: 4-Bromofluorobenzene	0.113		"	0.120		94.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.125		"	0.120		104	80-120			

Calibration Check (P4J3108-CCV3)

Prepared: 10/31/24 Analyzed: 11/01/24

Benzene	0.0805	0.00100	mg/L	0.100		80.5	80-120			
Toluene	0.0827	0.00100	"	0.100		82.7	80-120			
Ethylbenzene	0.0840	0.00100	"	0.100		84.0	80-120			
Xylene (p/m)	0.168	0.00200	"	0.200		84.0	80-120			
Xylene (o)	0.0865	0.00100	"	0.100		86.5	80-120			
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		95.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.126		"	0.120		105	80-120			

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4J3108 - * DEFAULT PREP *****

Matrix Spike (P4J3108-MS1)

Source: 4J30032-01

Prepared: 10/31/24 Analyzed: 11/01/24

Benzene	0.0726	0.00100	mg/L	0.100	ND	72.6	80-120			QM-05
Toluene	0.0717	0.00100	"	0.100	ND	71.7	80-120			QM-05
Ethylbenzene	0.0718	0.00100	"	0.100	ND	71.8	80-120			QM-05
Xylene (p/m)	0.142	0.00200	"	0.200	ND	71.1	80-120			QM-05
Xylene (o)	0.0710	0.00100	"	0.100	ND	71.0	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	0.118		"	0.120		98.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.124		"	0.120		104	80-120			

Matrix Spike Dup (P4J3108-MSD1)

Source: 4J30032-01

Prepared: 10/31/24 Analyzed: 11/01/24

Benzene	0.0770	0.00100	mg/L	0.100	ND	77.0	80-120	5.87	20	QM-05
Toluene	0.0752	0.00100	"	0.100	ND	75.2	80-120	4.67	20	QM-05
Ethylbenzene	0.0756	0.00100	"	0.100	ND	75.6	80-120	5.14	20	QM-05
Xylene (p/m)	0.150	0.00200	"	0.200	ND	74.8	80-120	5.04	20	QM-05
Xylene (o)	0.0756	0.00100	"	0.100	ND	75.6	80-120	6.24	20	QM-05
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		99.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.126		"	0.120		105	80-120			

Permian Basin Environmental Lab, L.P.

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

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4K0103 - * DEFAULT PREP *****

Blank (P4K0103-BLK1)

Prepared & Analyzed: 11/01/24

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

LCS (P4K0103-BS1)

Prepared & Analyzed: 11/01/24

Sulfate	18.3		mg/L	20.0		91.7	90-110			
Nitrate as N	18.7		"	20.0		93.4	90-110			

LCS Dup (P4K0103-BSD1)

Prepared & Analyzed: 11/01/24

Sulfate	18.2		mg/L	20.0		90.9	90-110	0.832	10	
Nitrate as N	18.7		"	20.0		93.6	90-110	0.150	10	

Calibration Check (P4K0103-CCV1)

Prepared & Analyzed: 11/01/24

Sulfate	18.1		mg/L	20.0		90.7	90-110			
Nitrate as N	18.7		"	20.0		93.5	90-110			

Calibration Check (P4K0103-CCV2)

Prepared & Analyzed: 11/01/24

Nitrate as N	18.7		mg/L	20.0		93.4	90-110			
Sulfate	18.2		"	20.0		90.8	90-110			

Matrix Spike (P4K0103-MS1)

Source: 4K01001-01

Prepared & Analyzed: 11/01/24

Nitrate as N	18.8		mg/L	20.0	0.515	91.5	80-120			
Sulfate	187		"	20.0	175	61.6	80-120			

Matrix Spike Dup (P4K0103-MSD1)

Source: 4K01001-01

Prepared & Analyzed: 11/01/24

Nitrate as N	19.6		mg/L	20.0	0.515	95.7	80-120	4.38	20	
Sulfate	188		"	20.0	175	67.2	80-120	0.589	20	

Permian Basin Environmental Lab, L.P.

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

TRC Solutions- Midland, Texas	Project: 98-05A_MNA
10 Desta Dr STE 150E	Project Number: TNM 98-05A
Midland TX, 79705	Project Manager: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4K2010 - *** DEFAULT PREP ***

Blank (P4K2010-BLK1)	Prepared & Analyzed: 11/20/24									
Chemical Oxygen Demand	ND	2.00	mg/L							

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

Project: 98-05A_MNA
Project Number: TNM 98-05A
Project Manager: Jonathan Repman

Notes and Definitions

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

ROI Received on Ice

QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

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

NPBEL C Chain of Custody was not generated at PBELAB

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

11/24/2024

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: Jonathan Repman

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



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

Li CH

W: _____
Phone: 432-686-7235

Project Manager: Jon Repman

Company Name: TRC Companies

Company Address: 10 Desta Drive, Suite 410E

City/State/Zip: Midland, TX 79705

Telephone No: (432) 208-5219

Fax No:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

PO #: SRS TNM 98-05A

Project Loc: Lea County, New Mexico

Project #: TNM 98-05A

Project Name: Plains Marketing, L.P.

Page 18 of 43

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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235
PBELAB_SUB_COC_V2

Project Manager: Brent BarronProject Name: SUBCONTRACTCompany 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 ☐ NPDESSampler Signature: N/Ae-mail: brentbarron@pbelab.com

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

Phone: 432-686-7235
PBELAB SUB COC V2

Project Manager: Brent Barron

Project Name: SUBCONTRACT

Company Name PBEL

Project #:

Company Address: 1400 Rankin HWY

Project Loc:

City/State/Zip: Midland Texas 79701

PO #:

Telephone No: 432-661-4184

Fax No:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: N/A

e-mail: brentbarron@pbelab.com

[illegible]

Please add tressa@pbelab.com to the WOA. Thank you.

						Sample Containers Intact?	Y	N
						VOCs Free of Headspace?	Y	N
BRENT BARRON	11/4/2024	5:00 PM	Received by:	Date	Time	Labels on container(s)	Y	N
						Custody seals on container(s)	Y	N
						Custody seals on cooler(s)	Y	N
Relinquished by:	Date	Time	Received by:	Date	Time	Sample Hand Delivered by Sampler/Client Rep. ?	Y	N
						by Courier? UPS DHL FedEx Lone Star		
Relinquished by:	Date	Time	Received by:	Date	Time	Temperature Upon Receipt: Received: °C Adjusted: °C Factor		



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November 13, 2024

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

Work Order: **HS24110185**

Laboratory Results for: **4K01001**

Dear Brent Barron,

ALS Environmental received 6 sample(s) on Nov 05, 2024 for the analysis presented in the following report.

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

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

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

Sincerely,

Generated By: DAYNA.FISHER
Jessica Monfore
Project manager

ALS Houston, US

Date: 13-Nov-24

Client: Permian Basin Environmental Lab, LP
Project: 4K01001
Work Order: HS24110185

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24110185-01	4K01001-01	Water		31-Oct-2024 11:57	05-Nov-2024 09:05	☐
HS24110185-02	4K01001-02	Water		31-Oct-2024 13:09	05-Nov-2024 09:05	☐
HS24110185-03	4K01001-03	Water		31-Oct-2024 14:25	05-Nov-2024 09:05	☐
HS24110185-04	4K01001-04	Water		31-Oct-2024 15:39	05-Nov-2024 09:05	☐
HS24110185-05	4K01001-05	Water		31-Oct-2024 16:56	05-Nov-2024 09:05	☐
HS24110185-06	4K01001-06	Water		31-Oct-2024 18:03	05-Nov-2024 09:05	☐

ALS Houston, US

Date: 13-Nov-24

Client: Permian Basin Environmental Lab, LP
Project: 4K01001
Work Order: HS24110185

CASE NARRATIVE

GC Semivolatiles by Method RSK-175**Batch ID: R499330**

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

GCMS Semivolatiles by Method SW8270**Batch ID: 220240****Sample ID: 4K01001-05 (HS24110185-05)**

- The GCMS semi-volatile extract of this sample was run at a dilution due to a high level of matrix interference.
- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Metals by Method SW6020A**Batch ID: 220258**

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

WetChemistry by Method E415.1**Batch ID: R499669**

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

ALS Houston, US

Date: 13-Nov-24

Client:Permian Basin Environmental Lab, LP

Project:4K01001

Sample ID:4K01001-01

Collection Date:31-Oct-2024 11:57

ANALYTICAL REPORT

WorkOrder:HS24110185

Lab ID:HS24110185-01

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	07-Nov-2024 09:45
Ethene	ND		1.00	ug/L	1	07-Nov-2024 09:45
Methane	1.47		0.500	ug/L	1	07-Nov-2024 09:45
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 08-Nov-2024		Analyst: JC
Iron	ND		0.200	mg/L	1	08-Nov-2024 21:46
Manganese	ND		0.00500	mg/L	1	08-Nov-2024 21:46
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	2.63		1.00	mg/L	1	11-Nov-2024 17:54

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

ALS Houston, US

Date: 13-Nov-24

Client:Permian Basin Environmental Lab, LP

Project:4K01001

Sample ID:4K01001-02

Collection Date:31-Oct-2024 13:09

ANALYTICAL REPORT

WorkOrder:HS24110185

Lab ID:HS24110185-02

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	07-Nov-2024 09:55
Ethene	ND		1.00	ug/L	1	07-Nov-2024 09:55
Methane	1.33		0.500	ug/L	1	07-Nov-2024 09:55
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 08-Nov-2024		Analyst: JC
Iron	ND		0.200	mg/L	1	08-Nov-2024 22:02
Manganese	ND		0.00500	mg/L	1	08-Nov-2024 22:02
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	2.87		1.00	mg/L	1	11-Nov-2024 18:06

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

ALS Houston, US

Date: 13-Nov-24

Client:Permian Basin Environmental Lab, LP

Project:4K01001

Sample ID:4K01001-03

Collection Date:31-Oct-2024 14:25

ANALYTICAL REPORT

WorkOrder:HS24110185

Lab ID:HS24110185-03

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	07-Nov-2024 10:12
Ethene	ND		1.00	ug/L	1	07-Nov-2024 10:12
Methane	4.01		0.500	ug/L	1	07-Nov-2024 10:12
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 08-Nov-2024		Analyst: JC
Iron	ND		0.200	mg/L	1	08-Nov-2024 22:04
Manganese	0.0107		0.00500	mg/L	1	08-Nov-2024 22:04
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	6.18		1.00	mg/L	1	11-Nov-2024 18:19

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

ALS Houston, US

Date: 13-Nov-24

Client:Permian Basin Environmental Lab, LP

Project:4K01001

Sample ID:4K01001-04

Collection Date:31-Oct-2024 15:39

ANALYTICAL REPORT

WorkOrder:HS24110185

Lab ID:HS24110185-04

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	07-Nov-2024 10:23
Ethene	ND		1.00	ug/L	1	07-Nov-2024 10:23
Methane	576		25.0	ug/L	50	07-Nov-2024 11:00
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 08-Nov-2024 Analyst: JC		
Iron	0.241		0.200	mg/L	1	08-Nov-2024 22:06
Manganese	0.0488		0.00500	mg/L	1	08-Nov-2024 22:06
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	5.24		1.00	mg/L	1	11-Nov-2024 18:32

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

ALS Houston, US

Date: 13-Nov-24

Client: Permian Basin Environmental Lab, LP
 Project: 4K01001
 Sample ID: 4K01001-05
 Collection Date: 31-Oct-2024 16:56

ANALYTICAL REPORT

WorkOrder:HS24110185
 Lab ID:HS24110185-05
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ULTRA LVI SEMIVOLATILES BY 8270D		Method:SW8270		Prep:SW3510 / 07-Nov-2024		Analyst: EC
1-Methylnaphthalene	17.0	n	0.833	ug/L	10	09-Nov-2024 19:09
2-Methylnaphthalene	8.97		0.833	ug/L	10	09-Nov-2024 19:09
Acenaphthene	ND		0.833	ug/L	10	09-Nov-2024 19:09
Acenaphthylene	ND		0.833	ug/L	10	09-Nov-2024 19:09
Anthracene	ND		0.833	ug/L	10	09-Nov-2024 19:09
Benz(a)anthracene	ND		0.833	ug/L	10	09-Nov-2024 19:09
Benzo(a)pyrene	ND		0.833	ug/L	10	09-Nov-2024 19:09
Benzo(b)fluoranthene	ND		0.833	ug/L	10	09-Nov-2024 19:09
Benzo(g,h,i)perylene	ND		0.833	ug/L	10	09-Nov-2024 19:09
Benzo(k)fluoranthene	ND		0.833	ug/L	10	09-Nov-2024 19:09
Chrysene	ND		0.833	ug/L	10	09-Nov-2024 19:09
Dibenz(a,h)anthracene	ND		0.833	ug/L	10	09-Nov-2024 19:09
Fluoranthene	ND		0.833	ug/L	10	09-Nov-2024 19:09
Fluorene	3.93		0.833	ug/L	10	09-Nov-2024 19:09
Indeno(1,2,3-cd)pyrene	ND		0.833	ug/L	10	09-Nov-2024 19:09
Naphthalene	8.57		0.833	ug/L	10	09-Nov-2024 19:09
Phenanthrene	4.12		0.833	ug/L	10	09-Nov-2024 19:09
Pyrene	ND		0.833	ug/L	10	09-Nov-2024 19:09
Surr: 2-Fluorobiphenyl	80.4		40-125	%REC	10	09-Nov-2024 19:09
Surr: 4-Terphenyl-d14	102		40-135	%REC	10	09-Nov-2024 19:09
Surr: Nitrobenzene-d5	103		41-120	%REC	10	09-Nov-2024 19:09
DISSOLVED GASES BY RSK-175		Method:RSK-175				Analyst: RG
Ethane	14.3		1.00	ug/L	1	07-Nov-2024 10:34
Ethene	ND		1.00	ug/L	1	07-Nov-2024 10:34
Methane	3,150		50.0	ug/L	100	07-Nov-2024 11:46
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 08-Nov-2024		Analyst: JC
Iron	ND		0.200	mg/L	1	08-Nov-2024 22:08
Manganese	0.156		0.00500	mg/L	1	08-Nov-2024 22:08
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1				Analyst: JAC
Organic Carbon, Total	24.3		1.00	mg/L	1	11-Nov-2024 18:46

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

ALS Houston, US

Date: 13-Nov-24

Client: Permian Basin Environmental Lab, LP
 Project: 4K01001
 Sample ID: 4K01001-06
 Collection Date: 31-Oct-2024 18:03

ANALYTICAL REPORT

WorkOrder:HS24110185
 Lab ID:HS24110185-06
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ULTRA LVI SEMIVOLATILES BY 8270D		Method:SW8270		Prep:SW3510 / 07-Nov-2024		Analyst: EC
1-Methylnaphthalene	4.74	n	0.0833	ug/L	1	09-Nov-2024 19:27
2-Methylnaphthalene	1.97		0.0833	ug/L	1	09-Nov-2024 19:27
Acenaphthene	ND		0.0833	ug/L	1	09-Nov-2024 19:27
Acenaphthylene	ND		0.0833	ug/L	1	09-Nov-2024 19:27
Anthracene	0.113		0.0833	ug/L	1	09-Nov-2024 19:27
Benz(a)anthracene	ND		0.0833	ug/L	1	09-Nov-2024 19:27
Benzo(a)pyrene	ND		0.0833	ug/L	1	09-Nov-2024 19:27
Benzo(b)fluoranthene	ND		0.0833	ug/L	1	09-Nov-2024 19:27
Benzo(g,h,i)perylene	ND		0.0833	ug/L	1	09-Nov-2024 19:27
Benzo(k)fluoranthene	ND		0.0833	ug/L	1	09-Nov-2024 19:27
Chrysene	ND		0.0833	ug/L	1	09-Nov-2024 19:27
Dibenz(a,h)anthracene	ND		0.0833	ug/L	1	09-Nov-2024 19:27
Fluoranthene	ND		0.0833	ug/L	1	09-Nov-2024 19:27
Fluorene	1.31		0.0833	ug/L	1	09-Nov-2024 19:27
Indeno(1,2,3-cd)pyrene	ND		0.0833	ug/L	1	09-Nov-2024 19:27
Naphthalene	3.66		0.0833	ug/L	1	09-Nov-2024 19:27
Phenanthrene	0.871		0.0833	ug/L	1	09-Nov-2024 19:27
Pyrene	ND		0.0833	ug/L	1	09-Nov-2024 19:27
Surr: 2-Fluorobiphenyl	62.1		40-125	%REC	1	09-Nov-2024 19:27
Surr: 4-Terphenyl-d14	78.0		40-135	%REC	1	09-Nov-2024 19:27
Surr: Nitrobenzene-d5	83.5		41-120	%REC	1	09-Nov-2024 19:27
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		100	ug/L	100	07-Nov-2024 11:56
Ethene	ND		1.00	ug/L	1	07-Nov-2024 10:45
Methane	3,100		50.0	ug/L	100	07-Nov-2024 11:56
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 08-Nov-2024		Analyst: JC
Iron	0.395		0.200	mg/L	1	08-Nov-2024 22:10
Manganese	0.127		0.00500	mg/L	1	08-Nov-2024 22:10
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	19.5		1.00	mg/L	1	11-Nov-2024 18:59

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

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: 4K01001
WorkOrder: HS24110185

Batch ID: 220240	Start Date: 07 Nov 2024 12:30	End Date: 07 Nov 2024 12:30
Method: SV AQ SEP FUNNEL ULTRA LVI	Prep Code: 3510C_MIN_W	

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24110185-05		120	1 (mL)	0.008333	40 mL Amber, HCL
HS24110185-06		120	1 (mL)	0.008333	40 mL Amber, HCL

Batch ID: 220258	Start Date: 08 Nov 2024 08:30	End Date: 08 Nov 2024 08:30
Method: DISS METALS PREP - WATER - SW3010A	Prep Code: 3010A DISS	

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24110185-01		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24110185-02		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24110185-03		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24110185-04		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24110185-05		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24110185-06		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2

ALS Houston, US

Date: 13-Nov-24

Client: Permian Basin Environmental Lab, LP
Project: 4K01001
WorkOrder: HS24110185

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 220240 (0)		Test Name : ULTRA LVI SEMIVOLATILES BY 8270D			Matrix: Water	
HS24110185-05	4K01001-05	31 Oct 2024 16:56		07 Nov 2024 12:30	09 Nov 2024 19:09	10
HS24110185-06	4K01001-06	31 Oct 2024 18:03		07 Nov 2024 12:30	09 Nov 2024 19:27	1
Batch ID: 220258 (0)		Test Name : DISSOLVED METALS BY SW6020A			Matrix: Water	
HS24110185-01	4K01001-01	31 Oct 2024 11:57		08 Nov 2024 08:30	08 Nov 2024 21:46	1
HS24110185-02	4K01001-02	31 Oct 2024 13:09		08 Nov 2024 08:30	08 Nov 2024 22:02	1
HS24110185-03	4K01001-03	31 Oct 2024 14:25		08 Nov 2024 08:30	08 Nov 2024 22:04	1
HS24110185-04	4K01001-04	31 Oct 2024 15:39		08 Nov 2024 08:30	08 Nov 2024 22:06	1
HS24110185-05	4K01001-05	31 Oct 2024 16:56		08 Nov 2024 08:30	08 Nov 2024 22:08	1
HS24110185-06	4K01001-06	31 Oct 2024 18:03		08 Nov 2024 08:30	08 Nov 2024 22:10	1
Batch ID: R499330 (0)		Test Name : DISSOLVED GASES BY RSK-175			Matrix: Water	
HS24110185-01	4K01001-01	31 Oct 2024 11:57			07 Nov 2024 09:45	1
HS24110185-02	4K01001-02	31 Oct 2024 13:09			07 Nov 2024 09:55	1
HS24110185-03	4K01001-03	31 Oct 2024 14:25			07 Nov 2024 10:12	1
HS24110185-04	4K01001-04	31 Oct 2024 15:39			07 Nov 2024 11:00	50
HS24110185-04	4K01001-04	31 Oct 2024 15:39			07 Nov 2024 10:23	1
HS24110185-05	4K01001-05	31 Oct 2024 16:56			07 Nov 2024 11:46	100
HS24110185-05	4K01001-05	31 Oct 2024 16:56			07 Nov 2024 10:34	1
HS24110185-06	4K01001-06	31 Oct 2024 18:03			07 Nov 2024 11:56	100
HS24110185-06	4K01001-06	31 Oct 2024 18:03			07 Nov 2024 10:45	1
Batch ID: R499669 (0)		Test Name : TOTAL ORGANIC CARBON BY E415.1			Matrix: Water	
HS24110185-01	4K01001-01	31 Oct 2024 11:57			11 Nov 2024 17:54	1
HS24110185-02	4K01001-02	31 Oct 2024 13:09			11 Nov 2024 18:06	1
HS24110185-03	4K01001-03	31 Oct 2024 14:25			11 Nov 2024 18:19	1
HS24110185-04	4K01001-04	31 Oct 2024 15:39			11 Nov 2024 18:32	1
HS24110185-05	4K01001-05	31 Oct 2024 16:56			11 Nov 2024 18:46	1
HS24110185-06	4K01001-06	31 Oct 2024 18:03			11 Nov 2024 18:59	1

ALS Houston, US

Date: 13-Nov-24

Client: Permian Basin Environmental Lab, LP
Project: 4K01001
WorkOrder: HS24110185

QC BATCH REPORT

Batch ID: R499330 (0)		Instrument: FID-4		Method: DISSOLVED GASES BY RSK-175					
MBLK	Sample ID: MBLK-241107	Units: ug/L			Analysis Date: 07-Nov-2024 09:05				
Client ID:	Run ID: FID-4_499330			SeqNo: 8501489		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-241107	Units: ug/L			Analysis Date: 07-Nov-2024 09:18				
Client ID:	Run ID: FID-4_499330			SeqNo: 8501490		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	17.42	1.00	18.04	0	96.5	75 - 125			
Ethene	14.98	1.00	16.8	0	89.2	75 - 125			
Methane	11.06	0.500	9.647	0	115	75 - 125			
LCSD	Sample ID: LCSD-241107	Units: ug/L			Analysis Date: 07-Nov-2024 09:31				
Client ID:	Run ID: FID-4_499330			SeqNo: 8501491		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	17.57	1.00	18.04	0	97.4	75 - 125	17.42	0.883	30
Ethene	13.52	1.00	16.8	0	80.5	75 - 125	14.98	10.3	30
Methane	10.28	0.500	9.647	0	107	75 - 125	11.06	7.35	30
The following samples were analyzed in this batch:		HS24110185-01		HS24110185-02		HS24110185-03		HS24110185-04	
		HS24110185-05		HS24110185-06					

ALS Houston, US

Date: 13-Nov-24

Client: Permian Basin Environmental Lab, LP
Project: 4K01001
WorkOrder: HS24110185

QC BATCH REPORT

Batch ID: 220258 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
MBLK	Sample ID: MBLK-220258	Units: mg/L		Analysis Date: 08-Nov-2024 21:42					
Client ID:	Run ID: ICPMS06_499444	SeqNo: 8505464		PrepDate: 08-Nov-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	ND	0.200							
Manganese	ND	0.00500							
LCS	Sample ID: LCS-220258	Units: mg/L		Analysis Date: 08-Nov-2024 21:44					
Client ID:	Run ID: ICPMS06_499444	SeqNo: 8505465		PrepDate: 08-Nov-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	4.787	0.200	5	0	95.7	80 - 120			
Manganese	0.04689	0.00500	0.05	0	93.8	80 - 120			
MS	Sample ID: HS24110185-01MS	Units: mg/L		Analysis Date: 08-Nov-2024 21:51					
Client ID: 4K01001-01	Run ID: ICPMS06_499444	SeqNo: 8505468		PrepDate: 08-Nov-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	4.837	0.200	5	0.03453	96.0	75 - 125			
Manganese	0.04887	0.00500	0.05	0.002105	93.5	75 - 125			
MSD	Sample ID: HS24110185-01MSD	Units: mg/L		Analysis Date: 08-Nov-2024 21:53					
Client ID: 4K01001-01	Run ID: ICPMS06_499444	SeqNo: 8505469		PrepDate: 08-Nov-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	4.904	0.200	5	0.03453	97.4	75 - 125	4.837	1.39	20
Manganese	0.04952	0.00500	0.05	0.002105	94.8	75 - 125	0.04887	1.31	20
PDS	Sample ID: HS24110185-01PDS	Units: mg/L		Analysis Date: 08-Nov-2024 21:55					
Client ID: 4K01001-01	Run ID: ICPMS06_499444	SeqNo: 8505470		PrepDate: 08-Nov-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	9.43	0.200	10	0.03453	94.0	75 - 125			
Manganese	0.09226	0.00500	0.1	0.002105	90.2	75 - 125			

ALS Houston, US

Date: 13-Nov-24

Client: Permian Basin Environmental Lab, LP

Project: 4K01001

WorkOrder: HS24110185

QC BATCH REPORT

Batch ID: 220258 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
SD	Sample ID: HS24110185-01SD		Units: mg/L		Analysis Date: 08-Nov-2024 21:49				
Client ID: 4K01001-01		Run ID: ICPMS06_499444		SeqNo: 8505467		PrepDate: 08-Nov-2024		DF: 5	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit Qual
Iron	ND	1.00					0.03453	0	10
Manganese	ND	0.0250					0.002105	0	10
The following samples were analyzed in this batch:				HS24110185-01		HS24110185-02		HS24110185-03	
				HS24110185-05		HS24110185-06		HS24110185-04	

ALS Houston, US

Date: 13-Nov-24

Client: Permian Basin Environmental Lab, LP

Project: 4K01001

WorkOrder: HS24110185

QC BATCH REPORT

Batch ID: 220240 (0)		Instrument: SV-11		Method: ULTRA LVI SEMIVOLATILES BY 8270D						
MBLK	Sample ID: MBLK-220240	Units: ug/L		Analysis Date: 09-Nov-2024 17:01						
Client ID:	Run ID: SV-11_499661		SeqNo: 8517245		PrepDate: 07-Nov-2024		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	4.26	0	5	0	85.2	40 - 125				
Surr: 4-Terphenyl-d14	4.562	0	5	0	91.2	40 - 135				
Surr: Nitrobenzene-d5	3.886	0	5	0	77.7	41 - 120				

ALS Houston, US

Date: 13-Nov-24

Client: Permian Basin Environmental Lab, LP
Project: 4K01001
WorkOrder: HS24110185

QC BATCH REPORT

Batch ID: 220240 (0)		Instrument: SV-11		Method: ULTRA LVI SEMIVOLATILES BY 8270D						
LCS		Sample ID: LCS-220240		Units: ug/L		Analysis Date: 09-Nov-2024 17:20				
Client ID:		Run ID: SV-11_499661		SeqNo: 8517246		PrepDate: 07-Nov-2024		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	3.291	0.100	5	0	65.8	45 - 120				
2-Methylnaphthalene	3.29	0.100	5	0	65.8	50 - 120				
Acenaphthene	3.347	0.100	5	0	66.9	47 - 145				
Acenaphthylene	2.973	0.100	5	0	59.5	47 - 120				
Anthracene	3.424	0.100	5	0	68.5	45 - 120				
Benz(a)anthracene	3.368	0.100	5	0	67.4	40 - 120				
Benzo(a)pyrene	3.261	0.100	5	0	65.2	42 - 127				
Benzo(b)fluoranthene	3.664	0.100	5	0	73.3	50 - 120				
Benzo(g,h,i)perylene	3.495	0.100	5	0	69.9	42 - 127				
Benzo(k)fluoranthene	3.411	0.100	5	0	68.2	50 - 120				
Chrysene	3.78	0.100	5	0	75.6	43 - 120				
Dibenz(a,h)anthracene	3.334	0.100	5	0	66.7	35 - 125				
Fluoranthene	3.162	0.100	5	0	63.2	45 - 125				
Fluorene	3.423	0.100	5	0	68.5	59 - 121				
Indeno(1,2,3-cd)pyrene	3.433	0.100	5	0	68.7	41 - 128				
Naphthalene	3.368	0.100	5	0	67.4	50 - 150				
Phenanthrene	3.35	0.100	5	0	67.0	54 - 120				
Pyrene	3.666	0.100	5	0	73.3	40 - 130				
Surr: 2-Fluorobiphenyl	3.885	0	5	0	77.7	40 - 125				
Surr: 4-Terphenyl-d14	4.151	0	5	0	83.0	40 - 135				
Surr: Nitrobenzene-d5	3.65	0	5	0	73.0	41 - 120				

ALS Houston, US

Date: 13-Nov-24

Client: Permian Basin Environmental Lab, LP
Project: 4K01001
WorkOrder: HS24110185

QC BATCH REPORT

Batch ID: 220240 (0)		Instrument: SV-11		Method: ULTRA LVI SEMIVOLATILES BY 8270D						
LCSD		Sample ID: LCSD-220240		Units: ug/L		Analysis Date: 09-Nov-2024 17:38				
Client ID:		Run ID: SV-11_499661		SeqNo: 8517247		PrepDate: 07-Nov-2024		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	3.337	0.100	5	0	66.7	45 - 125	3.291	1.39	20	
2-Methylnaphthalene	3.41	0.100	5	0	68.2	50 - 120	3.29	3.56	20	
Acenaphthene	3.434	0.100	5	0	68.7	47 - 145	3.347	2.57	20	
Acenaphthylene	3.132	0.100	5	0	62.6	47 - 120	2.973	5.22	20	
Anthracene	3.367	0.100	5	0	67.3	45 - 120	3.424	1.68	20	
Benz(a)anthracene	3.499	0.100	5	0	70.0	40 - 120	3.368	3.84	20	
Benzo(a)pyrene	3.216	0.100	5	0	64.3	42 - 127	3.261	1.39	20	
Benzo(b)fluoranthene	3.534	0.100	5	0	70.7	50 - 120	3.664	3.6	20	
Benzo(g,h,i)perylene	3.55	0.100	5	0	71.0	42 - 127	3.495	1.56	20	
Benzo(k)fluoranthene	3.425	0.100	5	0	68.5	50 - 120	3.411	0.413	20	
Chrysene	3.564	0.100	5	0	71.3	43 - 120	3.78	5.89	20	
Dibenz(a,h)anthracene	3.192	0.100	5	0	63.8	35 - 125	3.334	4.34	20	
Fluoranthene	3.317	0.100	5	0	66.3	45 - 125	3.162	4.77	20	
Fluorene	3.351	0.100	5	0	67.0	59 - 121	3.423	2.13	20	
Indeno(1,2,3-cd)pyrene	3.358	0.100	5	0	67.2	41 - 128	3.433	2.2	20	
Naphthalene	3.547	0.100	5	0	70.9	50 - 150	3.368	5.17	20	
Phenanthrene	3.364	0.100	5	0	67.3	54 - 120	3.35	0.413	20	
Pyrene	3.566	0.100	5	0	71.3	40 - 130	3.666	2.77	20	
Surr: 2-Fluorobiphenyl	3.878	0	5	0	77.6	40 - 125	3.885	0.182	20	
Surr: 4-Terphenyl-d14	4.048	0	5	0	81.0	40 - 135	4.151	2.51	20	
Surr: Nitrobenzene-d5	3.666	0	5	0	73.3	41 - 120	3.65	0.44	20	
The following samples were analyzed in this batch:										
HS24110185-05 HS24110185-06										

ALS Houston, US

Date: 13-Nov-24

Client:Permian Basin Environmental Lab, LP

Project:4K01001

WorkOrder:HS24110185

QC BATCH REPORT

Batch ID: R499669 (0)		Instrument: TOC_05		Method: TOTAL ORGANIC CARBON BY E415.1					
MBLK	Sample ID: MBLK-11112024	Units: mg/L		Analysis Date: 11-Nov-2024 17:15					
Client ID:	Run ID: TOC_05_499669		SeqNo: 8517230		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-11112024	Units: mg/L		Analysis Date: 11-Nov-2024 17:28					
Client ID:	Run ID: TOC_05_499669		SeqNo: 8517231		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		10.27	1.00	10	0	103	85 - 115		

LCSD	Sample ID: LCSD-11112024	Units: mg/L		Analysis Date: 11-Nov-2024 17:42					
Client ID:	Run ID: TOC_05_499669		SeqNo: 8517232		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		10.43	1.00	10	0	104	85 - 115	10.27	1.55 20

MS	Sample ID: HS24110248-01MS	Units: mg/L		Analysis Date: 11-Nov-2024 20:57					
Client ID:	Run ID: TOC_05_499669		SeqNo: 8517242		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		16.21	1.00	10	5.507	107	80 - 120		

The following samples were analyzed in this batch:

HS24110185-01	HS24110185-02	HS24110185-03	HS24110185-04
HS24110185-05	HS24110185-06		

ALS Houston, US

Date: 13-Nov-24

Client: Permian Basin Environmental Lab, LP
Project: 4K01001
WorkOrder: HS24110185

**QUALIFIERS,
ACRONYMS, UNITS**

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

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

ALS Houston, US

Date: 13-Nov-24

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arizona	AZ0793	27-May-2025
Arkansas	88-00356_2024	27-Mar-2025
California	2919; 2025	30-Apr-2025
Dept of Defense	L24-240	30-Apr-2026
Dept of Defense	L24-239	30-Apr-2026
Florida	E87611-38	30-Jun-2025
Illinois	2000322023-11	31-Jul-2025
Kansas	E-10352 2023-2024	31-Jul-2025
Kentucky	123043	30-Apr-2025
Louisiana	03087 2023-2024	30-Jun-2025
Maine	2024017	23-Jun-2026
Michigan	9971	30-Apr-2025
Nebraska	NE-OS-25-13	30-Apr-2025
New Jersey	TX008	30-Jun-2025
North Carolina	624 - 2024	31-Dec-2024
Pennsylvania	018	30-Jun-2025
Tennessee	04016	30-Apr-2025
Texas	T104704231 TX-C24-00130	30-Apr-2025
Utah	TX026932023-14	31-Jul-2025

ALS Houston, US

Date: 13-Nov-24

Sample Receipt Checklist

Work Order ID: HS24110185

Date/Time Received: 05-Nov-2024 09:05

Client Name: Permian Basin Lab

Received by: Rajen Giga

Completed By: /S/ Travis Appling	05-Nov-2024 12:32	Reviewed by: /S/ Anna Kinchen	07-Nov-2024 10:07
eSignature	Date/Time	eSignature	Date/Time

Matrices: WCarrier name: FedEx

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Samplers name present on COC?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	
Temperature(s)/Thermometer(s):	1.8UC/ 1.8C IR34		
Cooler(s)/Kit(s):	Red		
Date/Time sample(s) sent to storage:	11/5/2024 12:33		
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:

ORIGIN ID:AAEA (432) 886-7235
TERMINAL:0000
PERMANENT ENVIRONMENTAL LAB, LP
1400 RANKIN HWY
MIDLAND, TX 79701

SHP DATE: 04NOV24
ACT WT: 35.00 LB
ACT LG: 17.50 IN
DIMS: 19x17x9 IN

BILL RECIPIENT

TO **SAMPLE RECEIVING**
ALS-HOUSTON
10450 STANCLIFF RD
HOUSTON TX 77099

REF: (281) 350-8615
DEPT: 0000

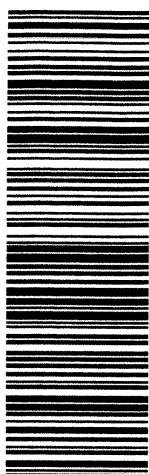
58CJ4IF74C/C6C4


DEPT: 0000



TRK# 7797 3100 4327
TUE - 05 NOV 5:00P
STANDARD OVERNIGHT

AB SGRA
TX-US IAH
77099



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



Analytical Report

Prepared for:

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

Project: 98-05
Project Number: TNM 98-05
Location: Lea County, NM
Lab Order Number: 4L04007



Current Certification

Report Date: 12/27/24

TRC Solutions- Midland, Texas	Project: 98-05
10 Desta Dr STE 150E	Project Number: TNM 98-05
Midland TX, 79705	Project Manager: Jonathan Repman

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	4L04007-01	Water	12/03/24 14:20	12-04-2024 09:21
MW-2	4L04007-02	Water	12/03/24 14:43	12-04-2024 09:21

PAH 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: 98-05
Project Number: TNM 98-05
Project Manager: Jonathan Repman

MW-1
4L04007-01 (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	0.032	0.000083	mg/L	1	P4L1811	12/07/24 09:00	12/12/24 15:14	8270C	SUB-13
2-Methylnaphthalene	0.028	0.000083	mg/L	1	P4L1811	12/07/24 09:00	12/12/24 15:14	8270C	SUB-13
Acenaphthene	ND	0.000083	mg/L	1	P4L1811	12/07/24 09:00	12/12/24 15:14	8270C	SUB-13
Acenaphthylene	ND	0.000083	mg/L	1	P4L1811	12/07/24 09:00	12/12/24 15:14	8270C	SUB-13
Anthracene	ND	0.000083	mg/L	1	P4L1811	12/07/24 09:00	12/12/24 15:14	8270C	SUB-13
Benzo (a) anthracene	ND	0.000083	mg/L	1	P4L1811	12/07/24 09:00	12/12/24 15:14	8270C	SUB-13
Benzo (a) pyrene	ND	0.000083	mg/L	1	P4L1811	12/07/24 09:00	12/12/24 15:14	8270C	SUB-13
Benzo (b) fluoranthene	ND	0.000083	mg/L	1	P4L1811	12/07/24 09:00	12/12/24 15:14	8270C	SUB-13
Benzo (g,h,i) perylene	ND	0.000083	mg/L	1	P4L1811	12/07/24 09:00	12/12/24 15:14	8270C	SUB-13
Benzo (k) fluoranthene	ND	0.000083	mg/L	1	P4L1811	12/07/24 09:00	12/12/24 15:14	8270C	SUB-13
Chrysene	ND	0.000083	mg/L	1	P4L1811	12/07/24 09:00	12/12/24 15:14	8270C	SUB-13
Dibenzo (a,h) anthracene	ND	0.000083	mg/L	1	P4L1811	12/07/24 09:00	12/12/24 15:14	8270C	SUB-13
Dibenzofuran	ND	0.000083	mg/L	1	P4L1811	12/07/24 09:00	12/12/24 15:14	8270C	SUB-13
Fluoranthene	ND	0.000083	mg/L	1	P4L1811	12/07/24 09:00	12/12/24 15:14	8270C	SUB-13
Fluorene	0.0053	0.000083	mg/L	1	P4L1811	12/07/24 09:00	12/12/24 15:14	8270C	SUB-13
Indeno (1,2,3-cd) pyrene	ND	0.000083	mg/L	1	P4L1811	12/07/24 09:00	12/12/24 15:14	8270C	SUB-13
Naphthalene	0.012	0.000083	mg/L	1	P4L1811	12/07/24 09:00	12/12/24 15:14	8270C	SUB-13
Phenanthrene	0.0081	0.000083	mg/L	1	P4L1811	12/07/24 09:00	12/12/24 15:14	8270C	SUB-13
Pyrene	ND	0.000083	mg/L	1	P4L1811	12/07/24 09:00	12/12/24 15:14	8270C	SUB-13

Permian Basin Environmental Lab, L.P.

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

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

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

Project: 98-05
Project Number: TNM 98-05
Project Manager: Jonathan Repman

MW-2
4L04007-02 (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	0.012	0.000083	mg/L	1	P4L1811	12/07/24 09:00	12/12/24 15:32	8270C	SUB-13
2-Methylnaphthalene	0.0032	0.000083	mg/L	1	P4L1811	12/07/24 09:00	12/12/24 15:32	8270C	SUB-13
Acenaphthene	ND	0.000083	mg/L	1	P4L1811	12/07/24 09:00	12/12/24 15:32	8270C	SUB-13
Acenaphthylene	ND	0.000083	mg/L	1	P4L1811	12/07/24 09:00	12/12/24 15:32	8270C	SUB-13
Anthracene	ND	0.000083	mg/L	1	P4L1811	12/07/24 09:00	12/12/24 15:32	8270C	SUB-13
Benzo (a) anthracene	ND	0.000083	mg/L	1	P4L1811	12/07/24 09:00	12/12/24 15:32	8270C	SUB-13
Benzo (a) pyrene	ND	0.000083	mg/L	1	P4L1811	12/07/24 09:00	12/12/24 15:32	8270C	SUB-13
Benzo (b) fluoranthene	ND	0.000083	mg/L	1	P4L1811	12/07/24 09:00	12/12/24 15:32	8270C	SUB-13
Benzo (g,h,i) perylene	ND	0.000083	mg/L	1	P4L1811	12/07/24 09:00	12/12/24 15:32	8270C	SUB-13
Benzo (k) fluoranthene	ND	0.000083	mg/L	1	P4L1811	12/07/24 09:00	12/12/24 15:32	8270C	SUB-13
Chrysene	ND	0.000083	mg/L	1	P4L1811	12/07/24 09:00	12/12/24 15:32	8270C	SUB-13
Dibenzo (a,h) anthracene	ND	0.000083	mg/L	1	P4L1811	12/07/24 09:00	12/12/24 15:32	8270C	SUB-13
Dibenzofuran	ND	0.000083	mg/L	1	P4L1811	12/07/24 09:00	12/12/24 15:32	8270C	SUB-13
Fluoranthene	ND	0.000083	mg/L	1	P4L1811	12/07/24 09:00	12/12/24 15:32	8270C	SUB-13
Fluorene	0.0038	0.000083	mg/L	1	P4L1811	12/07/24 09:00	12/12/24 15:32	8270C	SUB-13
Indeno (1,2,3-cd) pyrene	ND	0.000083	mg/L	1	P4L1811	12/07/24 09:00	12/12/24 15:32	8270C	SUB-13
Naphthalene	0.0050	0.000083	mg/L	1	P4L1811	12/07/24 09:00	12/12/24 15:32	8270C	SUB-13
Phenanthrene	0.0038	0.000083	mg/L	1	P4L1811	12/07/24 09:00	12/12/24 15:32	8270C	SUB-13
Pyrene	ND	0.000083	mg/L	1	P4L1811	12/07/24 09:00	12/12/24 15:32	8270C	SUB-13

Permian Basin Environmental Lab, L.P.

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

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

TRC Solutions- Midland, Texas	Project: 98-05
10 Desta Dr STE 150E	Project Number: TNM 98-05
Midland TX, 79705	Project Manager: Jonathan Repman

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: Jonathan Repman

Notes and Definitions

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

ROI Received on Ice

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

NPBEL C Chain of Custody was not generated at PBELAB

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

12/27/2024

Brent Barron, Laboratory Director/Technical Director

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

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

Permian Basin Environmental Lab, L.P.

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

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



CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

$$\begin{array}{c} \text{L} \\ \hline \text{CH:} \end{array}$$
 CH_2

W-

Phone: 432-686-7235

**Permian Basin Environmental Lab, LP
1400 Rankin HWY**

Midland, Texas 79701

Project Name: Plains Marketing, L.P.

Project #: TNM ~~0000~~ 98-05

Project #: TNM ~~88887~~ 98-05

Project Loc: Lea County, New Mexico

PO #: 00000000

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Report Format: ☐ Standard

☐ TRRP

☐ NPDES

Project Manager: Jon Repman

Company Name: TRC Company

Company Name: TRC Companies

Company Address: 10 Desta Drive, Suite 410E

City/State/Zip: Midland, TX 79705

Telephone No: (432) 208-5219

(432) 208-5219

Fax No:

Sampler Signature:

e-mail: jrepman@trccompanies.com, Camille.Bryant@plains.com, Karolanne.Hudgens@plains.com

(lab use only)

ORDER #: 4104007

[illegible]

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235
PBELAB SUB COC V2

Project Manager: Brent Barron

Project Name: SUBCONTRACT

Company Name PBEL

Project #:

Company Address: 1400 Rankin HWY

Project Loc:

City/State/Zip: Midland Texas 79701

PO #:

Telephone No: 432-661-4184

Fax No:

Report Format: Standard ☐ TRRP ☐ NPDES

Sampler Signature: N/A

e-mail: brentbarron@pbelab.com

[illegible]

Please add tressa@pbelab.com to the WOA. Thank you.

Please add tressa@pbelab.com to the WOA. Thank you.						Laboratory Comments:									
BRENT BARRON 12/4/2024 5:00 PM Received by: Date Time						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					
Relinquished by:						Date		Time		Received by:		Date		Time	
Relinquished by:						Date		Time		Received by:		Date		Time	
Relinquished by:						Date		Time		Received by:		Date		Time	



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

December 13, 2024

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

Work Order: **HS24120307**

Laboratory Results for: **4L04007**

Dear Brent Barron,

ALS Environmental received 2 sample(s) on Dec 05, 2024 for the analysis presented in the following report.

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

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

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

Sincerely,

A handwritten signature in blue ink, appearing to read 'Jessica Monfore', written over a light blue rectangular background.

Generated By: DAYNA.FISHER
Jessica Monfore
Project manager

ALS Houston, US

Date: 13-Dec-24

Client: Permian Basin Environmental Lab, LP
Project: 4L04007
Work Order: HS24120307

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24120307-01	4L04007-01	Water		03-Dec-2024 14:20	05-Dec-2024 09:25	☐
HS24120307-02	4L04007-02	Water		03-Dec-2024 14:43	05-Dec-2024 09:25	☐

ALS Houston, US

Date: 13-Dec-24

Client: Permian Basin Environmental Lab, LP
Project: 4L04007
Work Order: HS24120307

CASE NARRATIVE

Work Order Comments

- Log in comments: Sample collection date differ: COC 12/11/2024 Label:12/03/2024 logged per sample labels.

GCMS Semivolatiles by Method SW8270

Batch ID: 221537

Sample ID: HS24120202-01MSD

- MSD is for an unrelated sample

ALS Houston, US

Date: 13-Dec-24

Client: Permian Basin Environmental Lab, LP
 Project: 4L04007
 Sample ID: 4L04007-01
 Collection Date: 03-Dec-2024 14:20

ANALYTICAL REPORT

WorkOrder:HS24120307
 Lab ID:HS24120307-01
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ULTRA LVI SEMIVOLATILES BY 8270D		Method:SW8270			Prep:SW3510 / 07-Dec-2024	Analyst: EC
1-Methylnaphthalene	31.7	n	0.0833	ug/L	1	12-Dec-2024 15:14
2-Methylnaphthalene	27.5		0.0833	ug/L	1	12-Dec-2024 15:14
Acenaphthene	ND		0.0833	ug/L	1	12-Dec-2024 15:14
Acenaphthylene	ND		0.0833	ug/L	1	12-Dec-2024 15:14
Anthracene	ND		0.0833	ug/L	1	12-Dec-2024 15:14
Benz(a)anthracene	ND		0.0833	ug/L	1	12-Dec-2024 15:14
Benzo(a)pyrene	ND		0.0833	ug/L	1	12-Dec-2024 15:14
Benzo(b)fluoranthene	ND		0.0833	ug/L	1	12-Dec-2024 15:14
Benzo(g,h,i)perylene	ND		0.0833	ug/L	1	12-Dec-2024 15:14
Benzo(k)fluoranthene	ND		0.0833	ug/L	1	12-Dec-2024 15:14
Chrysene	ND		0.0833	ug/L	1	12-Dec-2024 15:14
Dibenz(a,h)anthracene	ND		0.0833	ug/L	1	12-Dec-2024 15:14
Fluoranthene	ND		0.0833	ug/L	1	12-Dec-2024 15:14
Fluorene	5.25		0.0833	ug/L	1	12-Dec-2024 15:14
Indeno(1,2,3-cd)pyrene	ND		0.0833	ug/L	1	12-Dec-2024 15:14
Naphthalene	11.6		0.0833	ug/L	1	12-Dec-2024 15:14
Phenanthrene	8.13		0.0833	ug/L	1	12-Dec-2024 15:14
Pyrene	ND		0.0833	ug/L	1	12-Dec-2024 15:14
Surr: 2-Fluorobiphenyl	79.4		40-125	%REC	1	12-Dec-2024 15:14
Surr: 4-Terphenyl-d14	93.2		40-135	%REC	1	12-Dec-2024 15:14
Surr: Nitrobenzene-d5	99.8		41-120	%REC	1	12-Dec-2024 15:14

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

ALS Houston, US

Date: 13-Dec-24

Client: Permian Basin Environmental Lab, LP
 Project: 4L04007
 Sample ID: 4L04007-02
 Collection Date: 03-Dec-2024 14:43

ANALYTICAL REPORT

WorkOrder:HS24120307
 Lab ID:HS24120307-02
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ULTRA LVI SEMIVOLATILES BY 8270D		Method:SW8270		Prep:SW3510 / 07-Dec-2024		Analyst: EC
1-Methylnaphthalene	11.9	n	0.0833	ug/L	1	12-Dec-2024 15:32
2-Methylnaphthalene	3.22		0.0833	ug/L	1	12-Dec-2024 15:32
Acenaphthene	ND		0.0833	ug/L	1	12-Dec-2024 15:32
Acenaphthylene	ND		0.0833	ug/L	1	12-Dec-2024 15:32
Anthracene	ND		0.0833	ug/L	1	12-Dec-2024 15:32
Benz(a)anthracene	ND		0.0833	ug/L	1	12-Dec-2024 15:32
Benzo(a)pyrene	ND		0.0833	ug/L	1	12-Dec-2024 15:32
Benzo(b)fluoranthene	ND		0.0833	ug/L	1	12-Dec-2024 15:32
Benzo(g,h,i)perylene	ND		0.0833	ug/L	1	12-Dec-2024 15:32
Benzo(k)fluoranthene	ND		0.0833	ug/L	1	12-Dec-2024 15:32
Chrysene	ND		0.0833	ug/L	1	12-Dec-2024 15:32
Dibenz(a,h)anthracene	ND		0.0833	ug/L	1	12-Dec-2024 15:32
Fluoranthene	ND		0.0833	ug/L	1	12-Dec-2024 15:32
Fluorene	3.78		0.0833	ug/L	1	12-Dec-2024 15:32
Indeno(1,2,3-cd)pyrene	ND		0.0833	ug/L	1	12-Dec-2024 15:32
Naphthalene	4.98		0.0833	ug/L	1	12-Dec-2024 15:32
Phenanthrene	3.82		0.0833	ug/L	1	12-Dec-2024 15:32
Pyrene	ND		0.0833	ug/L	1	12-Dec-2024 15:32
Surr: 2-Fluorobiphenyl	101		40-125	%REC	1	12-Dec-2024 15:32
Surr: 4-Terphenyl-d14	113		40-135	%REC	1	12-Dec-2024 15:32
Surr: Nitrobenzene-d5	94.8		41-120	%REC	1	12-Dec-2024 15:32

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

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: 4L04007
WorkOrder: HS24120307

Batch ID: 221537	Start Date: 07 Dec 2024 09:00	End Date: 07 Dec 2024 09:00
Method: SV AQ SEP FUNNEL ULTRA LVI	Prep Code: 3510C_MIN_W	

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24120307-01		120	1 (mL)	0.008333	125 ml Amber
HS24120307-02		120	1 (mL)	0.008333	125 ml Amber

ALS Houston, US

Date: 13-Dec-24

Client: Permian Basin Environmental Lab, LP
Project: 4L04007
WorkOrder: HS24120307

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 221537 (0)		Test Name : ULTRA LVI SEMIVOLATILES BY 8270D			Matrix: Water	
HS24120307-01	4L04007-01	03 Dec 2024 14:20		07 Dec 2024 09:00	12 Dec 2024 15:14	1
HS24120307-02	4L04007-02	03 Dec 2024 14:43		07 Dec 2024 09:00	12 Dec 2024 15:32	1

ALS Houston, US

Date: 13-Dec-24

Client: Permian Basin Environmental Lab, LP
Project: 4L04007
WorkOrder: HS24120307

QC BATCH REPORT

Batch ID: 221537 (0)		Instrument: SV-11		Method: ULTRA LVI SEMIVOLATILES BY 8270D						
MBLK	Sample ID: MBLK-221537	Units: ug/L		Analysis Date: 10-Dec-2024 10:59						
Client ID:	Run ID: SV-11_501994		SeqNo: 8575448		PrepDate: 07-Dec-2024		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	3.615	0	5	0	72.3	40 - 125				
Surr: 4-Terphenyl-d14	3.618	0	5	0	72.4	40 - 135				
Surr: Nitrobenzene-d5	3.172	0	5	0	63.4	41 - 120				

ALS Houston, US

Date: 13-Dec-24

Client: Permian Basin Environmental Lab, LP
Project: 4L04007
WorkOrder: HS24120307

QC BATCH REPORT

Batch ID: 221537 (0)		Instrument: SV-11		Method: ULTRA LVI SEMIVOLATILES BY 8270D						
LCS		Sample ID: LCS-221537		Units: ug/L		Analysis Date: 10-Dec-2024 12:10				
Client ID:		Run ID: SV-11_501994		SeqNo: 8584387		PrepDate: 07-Dec-2024		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	3.071	0.100	5	0	61.4	45 - 120				
2-Methylnaphthalene	3.032	0.100	5	0	60.6	50 - 120				
Acenaphthene	3.332	0.100	5	0	66.6	47 - 145				
Acenaphthylene	3.071	0.100	5	0	61.4	47 - 120				
Anthracene	3.077	0.100	5	0	61.5	45 - 120				
Benz(a)anthracene	3.234	0.100	5	0	64.7	40 - 120				
Benzo(a)pyrene	3.018	0.100	5	0	60.4	42 - 127				
Benzo(b)fluoranthene	3.204	0.100	5	0	64.1	50 - 120				
Benzo(g,h,i)perylene	3.221	0.100	5	0	64.4	42 - 127				
Benzo(k)fluoranthene	3.014	0.100	5	0	60.3	50 - 120				
Chrysene	3.442	0.100	5	0	68.8	43 - 120				
Dibenz(a,h)anthracene	3.324	0.100	5	0	66.5	35 - 125				
Fluoranthene	3.23	0.100	5	0	64.6	45 - 125				
Fluorene	3.151	0.100	5	0	63.0	59 - 121				
Indeno(1,2,3-cd)pyrene	3.289	0.100	5	0	65.8	41 - 128				
Naphthalene	3.198	0.100	5	0	64.0	50 - 150				
Phenanthrene	3.241	0.100	5	0	64.8	54 - 120				
Pyrene	3.336	0.100	5	0	66.7	40 - 130				
Surr: 2-Fluorobiphenyl	3.227	0	5	0	64.5	40 - 125				
Surr: 4-Terphenyl-d14	3.252	0	5	0	65.0	40 - 135				
Surr: Nitrobenzene-d5	2.943	0	5	0	58.9	41 - 120				

Client:

Permian Basin Environmental Lab, LP

Project:

4L04007

WorkOrder:

HS24120307

QC BATCH REPORT

Batch ID: 221537 (0)		Instrument: SV-11		Method: ULTRA LVI SEMIVOLATILES BY 8270D						
MS	Sample ID: HS24120202-01MS	Units: ug/L			Analysis Date: 10-Dec-2024 15:26					
Client ID:	Run ID: SV-11_501994		SeqNo: 8584389		PrepDate: 07-Dec-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	2.922	0.100	5	0	58.4	45 - 125				
2-Methylnaphthalene	2.814	0.100	5	0	56.3	50 - 120				
Acenaphthene	3.225	0.100	5	0	64.5	47 - 145				
Acenaphthylene	2.991	0.100	5	0	59.8	47 - 120				
Anthracene	3.125	0.100	5	0	62.5	45 - 120				
Benz(a)anthracene	3.168	0.100	5	0	63.4	40 - 120				
Benzo(a)pyrene	2.966	0.100	5	0	59.3	42 - 127				
Benzo(b)fluoranthene	3.162	0.100	5	0	63.2	50 - 120				
Benzo(g,h,i)perylene	3.172	0.100	5	0	63.4	42 - 127				
Benzo(k)fluoranthene	2.993	0.100	5	0	59.9	50 - 120				
Chrysene	3.262	0.100	5	0	65.2	43 - 120				
Dibenz(a,h)anthracene	3.196	0.100	5	0	63.9	35 - 125				
Fluoranthene	3.258	0.100	5	0	65.2	45 - 125				
Fluorene	3.064	0.100	5	0	61.3	59 - 121				
Indeno(1,2,3-cd)pyrene	3.252	0.100	5	0	65.0	41 - 128				
Naphthalene	3.013	0.100	5	0	60.3	50 - 150				
Phenanthrene	3.251	0.100	5	0	65.0	54 - 120				
Pyrene	3.22	0.100	5	0	64.4	40 - 130				
Surr: 2-Fluorobiphenyl	3.181	0	5	0	63.6	40 - 125				
Surr: 4-Terphenyl-d14	3.256	0	5	0	65.1	40 - 135				
Surr: Nitrobenzene-d5	2.78	0	5	0	55.6	41 - 120				

ALS Houston, US

Date: 13-Dec-24

Client: Permian Basin Environmental Lab, LP
Project: 4L04007
WorkOrder: HS24120307

QC BATCH REPORT

Batch ID: 221537 (0)		Instrument: SV-11		Method: ULTRA LVI SEMIVOLATILES BY 8270D						
MSD		Sample ID: HS24120202-01MSD		Units: ug/L		Analysis Date: 10-Dec-2024 15:44				
Client ID:		Run ID: SV-11_501994		SeqNo: 8584390		PrepDate: 07-Dec-2024		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	2.786	0.100	5	0	55.7	45 - 125	2.922	4.77	20	
2-Methylnaphthalene	2.707	0.100	5	0	54.1	50 - 120	2.814	3.87	20	
Acenaphthene	3.16	0.100	5	0	63.2	47 - 145	3.225	2.03	20	
Acenaphthylene	2.81	0.100	5	0	56.2	47 - 120	2.991	6.24	20	
Anthracene	2.894	0.100	5	0	57.9	45 - 120	3.125	7.68	20	
Benz(a)anthracene	3.096	0.100	5	0	61.9	40 - 120	3.168	2.28	20	
Benzo(a)pyrene	2.814	0.100	5	0	56.3	42 - 127	2.966	5.27	20	
Benzo(b)fluoranthene	3.096	0.100	5	0	61.9	50 - 120	3.162	2.11	20	
Benzo(g,h,i)perylene	3.001	0.100	5	0	60.0	42 - 127	3.172	5.56	20	
Benzo(k)fluoranthene	2.806	0.100	5	0	56.1	50 - 120	2.993	6.44	20	
Chrysene	3.252	0.100	5	0	65.0	43 - 120	3.262	0.312	20	
Dibenz(a,h)anthracene	3.088	0.100	5	0	61.8	35 - 125	3.196	3.44	20	
Fluoranthene	3.097	0.100	5	0	61.9	45 - 125	3.258	5.07	20	
Fluorene	2.918	0.100	5	0	58.4	59 - 121	3.064	4.87	20	S
Indeno(1,2,3-cd)pyrene	3.048	0.100	5	0	61.0	41 - 128	3.252	6.47	20	
Naphthalene	2.992	0.100	5	0	59.8	50 - 150	3.013	0.673	20	
Phenanthrene	3.011	0.100	5	0	60.2	54 - 120	3.251	7.67	20	
Pyrene	3.169	0.100	5	0	63.4	40 - 130	3.22	1.58	20	
Surr: 2-Fluorobiphenyl	3.313	0	5	0	66.3	40 - 125	3.181	4.06	20	
Surr: 4-Terphenyl-d14	3.438	0	5	0	68.8	40 - 135	3.256	5.45	20	
Surr: Nitrobenzene-d5	2.957	0	5	0	59.1	41 - 120	2.78	6.15	20	
The following samples were analyzed in this batch:										
HS24120307-01 HS24120307-02										

ALS Houston, US

Date: 13-Dec-24

Client: Permian Basin Environmental Lab, LP
Project: 4L04007
WorkOrder: HS24120307

**QUALIFIERS,
ACRONYMS, UNITS**

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

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

ALS Houston, US

Date: 13-Dec-24

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arizona	AZ0793	27-May-2025
Arkansas	88-00356_2024	27-Mar-2025
California	2919; 2025	30-Apr-2025
Dept of Defense	L24-240	30-Apr-2026
Dept of Defense	L24-239	30-Apr-2026
Florida	E87611-38	30-Jun-2025
Illinois	2000322023-11	31-Jul-2025
Kansas	E-10352 2023-2024	31-Jul-2025
Kentucky	123043	30-Apr-2025
Louisiana	03087 2023-2024	30-Jun-2025
Maine	2024017	23-Jun-2026
Michigan	9971	30-Apr-2025
Nebraska	NE-OS-25-13	30-Apr-2025
New Jersey	TX008	30-Jun-2025
North Carolina	624 - 2024	31-Dec-2024
Pennsylvania	018	30-Jun-2025
Tennessee	04016	30-Apr-2025
Texas	T104704231 TX-C24-00130	30-Apr-2025
Utah	TX026932023-14	31-Jul-2025

ALS Houston, US

Date: 13-Dec-24

Sample Receipt Checklist

Work Order ID: HS24120307

Date/Time Received: 05-Dec-2024 09:25

Client Name: Permian Basin Lab

Received by: Jacob Coronado

Completed By: /S/ Jacob Coronado	06-Dec-2024 08:44	Reviewed by: /S/ Jessica Monfore	12-Dec-2024 17:06
eSignature	Date/Time	eSignature	Date/Time

Matrices: w

Carrier name: FedEx

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

Temperature(s)/Thermometer(s):

1.8uc/1.8c | ir34

Cooler(s)/Kit(s):

blue

Date/Time sample(s) sent to storage:

12/06/2024 0844

Water - VOA vials have zero headspace?

Yes ☐ No ☐ No VOA vials submitted ☒

Water - pH acceptable upon receipt?

Yes ☐ No ☐ N/A ☒

pH adjusted?

Yes ☐ No ☐ N/A ☒

pH adjusted by:

Login Notes: Sample collection date differ: COC 12/11/2024 Label:12/03/2024 logged per sample label

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

Corrective Action:

Permian Basin Environmental Lab, LP
4L04007



CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST
Permian Bas

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



Project Manager: Brent Barron

Company Name PBEL

Company Address: 1400 Rankin HWY

City/State/Zip: Midland Texas 79701

Telephone No: 432-661-4184

Sampler Signature: N/A

Fax No:

e-mail: brentbarron@pbelab.com

Report Format:

Standard

☐ TRRP☐ NPDES[illegible]

ORIGIN ID:AMFA 1432 686-725		SHIP DATE: 04DEC4	
TRESSA BLEDSOE		ATTN:CT 3500LB	
PERMAN BASIN ENVIRONMENTAL LAB, LP		C/O: 107138969NET74535	
1400 RANKIN HWY		DIMS: 23x12x13 IN	
MIDLAND, TX 79701		BILL RECIPIENT	
UNITED STATES, US			
TO SAMPLE RECEIVING			
ALS-HOUSTON			
10450 STANCLIFF RD			
HOUSTON TX 77099			
REF: (281) 538-5615		DEPT:	
PO:			
			
		58CJ4IEB78/C6C4	
J2446224291081uv			
			
TRK# 7704 9357 9376		THU - 05 DEC 5:00P	
77099		STANDARD OVERNIGHT	
AB SGRA		TX-US IAH	
			

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

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

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



Analytical Report

Prepared for:

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

Project: 98-05A
Project Number: SRS: TNM 98-05A
Location: Lea County, NM
Lab Order Number: 4K07013



Current Certification

Report Date: 11/14/24

TRC Solutions- Midland, Texas	Project: 98-05A
10 Desta Dr STE 150E	Project Number: SRS: TNM 98-05A
Midland TX, 79705	Project Manager: Jonathan Repman

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-7	4K07013-01	Water	11/01/24 11:47	11-07-2024 08:30
MW-8	4K07013-02	Water	11/01/24 12:35	11-07-2024 08:30
MW-9	4K07013-03	Water	11/01/24 13:03	11-07-2024 08:30
MW-11	4K07013-04	Water	11/01/24 13:35	11-07-2024 08:30
MW-1	4K07013-05	Water	11/01/24 14:08	11-07-2024 08:30
MW-2	4K07013-06	Water	11/01/24 14:41	11-07-2024 08:30

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

Project: 98-05A
Project Number: SRS: TNM 98-05A
Project Manager: Jonathan Repman

MW-7
4K07013-01 (Water)

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

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4K1110	11/11/24 10:50	11/11/24 17:12	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4K1110	11/11/24 10:50	11/11/24 17:12	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4K1110	11/11/24 10:50	11/11/24 17:12	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4K1110	11/11/24 10:50	11/11/24 17:12	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4K1110	11/11/24 10:50	11/11/24 17:12	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	97.0 %		80-120		P4K1110	11/11/24 10:50	11/11/24 17:12	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	103 %		80-120		P4K1110	11/11/24 10:50	11/11/24 17:12	EPA 8021B	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	11/11/24 10:50	11/11/24 17:12	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	11/11/24 10:50	11/11/24 17:12	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: 98-05A
10 Desta Dr STE 150E	Project Number: SRS: TNM 98-05A
Midland TX, 79705	Project Manager: Jonathan Repman

MW-8
4K07013-02 (Water)

Analyte	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit							

Permian Basin Environmental Lab, L.P.

Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4K1110	11/11/24 10:50	11/12/24 10:31	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4K1110	11/11/24 10:50	11/12/24 10:31	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4K1110	11/11/24 10:50	11/12/24 10:31	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4K1110	11/11/24 10:50	11/12/24 10:31	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4K1110	11/11/24 10:50	11/12/24 10:31	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	95.7 %		80-120		P4K1110	11/11/24 10:50	11/12/24 10:31	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	104 %		80-120		P4K1110	11/11/24 10:50	11/12/24 10:31	EPA 8021B	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	11/11/24 10:50	11/12/24 10:31	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	11/11/24 10:50	11/12/24 10:31	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: 98-05A
Project Number: SRS: TNM 98-05A
Project Manager: Jonathan Repman

MW-9
4K07013-03 (Water)

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

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4K1110	11/11/24 10:50	11/11/24 17:33	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4K1110	11/11/24 10:50	11/11/24 17:33	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4K1110	11/11/24 10:50	11/11/24 17:33	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4K1110	11/11/24 10:50	11/11/24 17:33	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4K1110	11/11/24 10:50	11/11/24 17:33	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	99.3 %		80-120		P4K1110	11/11/24 10:50	11/11/24 17:33	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	102 %		80-120		P4K1110	11/11/24 10:50	11/11/24 17:33	EPA 8021B	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	11/11/24 10:50	11/11/24 17:33	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	11/11/24 10:50	11/11/24 17:33	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: 98-05A
Project Number: SRS: TNM 98-05A
Project Manager: Jonathan Repman

MW-11
4K07013-04 (Water)

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

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4K1110	11/11/24 10:50	11/12/24 10:52	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4K1110	11/11/24 10:50	11/12/24 10:52	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4K1110	11/11/24 10:50	11/12/24 10:52	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4K1110	11/11/24 10:50	11/12/24 10:52	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4K1110	11/11/24 10:50	11/12/24 10:52	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	103 %		80-120		P4K1110	11/11/24 10:50	11/12/24 10:52	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	102 %		80-120		P4K1110	11/11/24 10:50	11/12/24 10:52	EPA 8021B	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	11/11/24 10:50	11/12/24 10:52	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	11/11/24 10:50	11/12/24 10:52	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: 98-05A
10 Desta Dr STE 150E	Project Number: SRS: TNM 98-05A
Midland TX, 79705	Project Manager: Jonathan Repman

MW-1

4K07013-05 (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	0.00752	0.00100	mg/L	1	P4K1110	11/11/24 10:50	11/11/24 17:55	EPA 8021B	
Toluene	0.00347	0.00100	mg/L	1	P4K1110	11/11/24 10:50	11/11/24 17:55	EPA 8021B	
Ethylbenzene	0.00233	0.00100	mg/L	1	P4K1110	11/11/24 10:50	11/11/24 17:55	EPA 8021B	
Xylene (p/m)	0.00654	0.00200	mg/L	1	P4K1110	11/11/24 10:50	11/11/24 17:55	EPA 8021B	
Xylene (o)	0.00720	0.00100	mg/L	1	P4K1110	11/11/24 10:50	11/11/24 17:55	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	99.3 %		80-120		P4K1110	11/11/24 10:50	11/11/24 17:55	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	94.9 %		80-120		P4K1110	11/11/24 10:50	11/11/24 17:55	EPA 8021B	
Total BTEX	0.0271	0.00100	mg/L	1	[CALC]	11/11/24 10:50	11/11/24 17:55	EPA 8021B	
Xylenes (total)	0.0137	0.00100	mg/L	1	[CALC]	11/11/24 10:50	11/11/24 17:55	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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TRC Solutions- Midland, Texas	Project: 98-05A
10 Desta Dr STE 150E	Project Number: SRS: TNM 98-05A
Midland TX, 79705	Project Manager: Jonathan Repman

MW-2

4K07013-06 (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	0.0283	0.00100	mg/L	1	P4K1110	11/11/24 10:50	11/12/24 11:13	EPA 8021B	
Toluene	0.00382	0.00100	mg/L	1	P4K1110	11/11/24 10:50	11/12/24 11:13	EPA 8021B	
Ethylbenzene	0.00598	0.00100	mg/L	1	P4K1110	11/11/24 10:50	11/12/24 11:13	EPA 8021B	
Xylene (p/m)	0.0125	0.00200	mg/L	1	P4K1110	11/11/24 10:50	11/12/24 11:13	EPA 8021B	
Xylene (o)	0.00134	0.00100	mg/L	1	P4K1110	11/11/24 10:50	11/12/24 11:13	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	97.3 %		80-120		P4K1110	11/11/24 10:50	11/12/24 11:13	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	96.7 %		80-120		P4K1110	11/11/24 10:50	11/12/24 11:13	EPA 8021B	
Total BTEX	0.0520	0.00100	mg/L	1	[CALC]	11/11/24 10:50	11/12/24 11:13	EPA 8021B	
Xylenes (total)	0.0138	0.00100	mg/L	1	[CALC]	11/11/24 10:50	11/12/24 11:13	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: 98-05A
Project Number: SRS: TNM 98-05A
Project Manager: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4K1110 - * DEFAULT PREP *****

Blank (P4K1110-BLK1)

Prepared & Analyzed: 11/11/24

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		99.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			

LCS (P4K1110-BS1)

Prepared & Analyzed: 11/11/24

Benzene	0.0905	0.00100	mg/L	0.100		90.5	80-120			
Toluene	0.0908	0.00100	"	0.100		90.8	80-120			
Ethylbenzene	0.0932	0.00100	"	0.100		93.2	80-120			
Xylene (p/m)	0.182	0.00200	"	0.200		91.0	80-120			
Xylene (o)	0.0913	0.00100	"	0.100		91.3	80-120			
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			

LCS Dup (P4K1110-BSD1)

Prepared & Analyzed: 11/11/24

Benzene	0.0850	0.00100	mg/L	0.100		85.0	80-120	6.16	20	
Toluene	0.0855	0.00100	"	0.100		85.5	80-120	5.99	20	
Ethylbenzene	0.0878	0.00100	"	0.100		87.8	80-120	5.97	20	
Xylene (p/m)	0.173	0.00200	"	0.200		86.5	80-120	5.02	20	
Xylene (o)	0.0880	0.00100	"	0.100		88.0	80-120	3.65	20	
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		99.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			

Calibration Blank (P4K1110-CCB1)

Prepared & Analyzed: 11/11/24

Benzene	0.0700		ug/l							
Toluene	0.190		"							
Ethylbenzene	0.400		"							
Xylene (p/m)	0.900		"							
Xylene (o)	0.570		"							
Surrogate: 4-Bromofluorobenzene	0.121		"	0.120		101	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			

Permian Basin Environmental Lab, L.P.

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

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

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

Project: 98-05A
Project Number: SRS: TNM 98-05A
Project Manager: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4K1110 - * DEFAULT PREP *****

Calibration Blank (P4K1110-CCB2)

Prepared & Analyzed: 11/11/24

Benzene	0.0800		ug/l							
Toluene	0.0900		"							
Ethylbenzene	0.280		"							
Xylene (p/m)	0.680		"							
Xylene (o)	0.390		"							
Surrogate: 4-Bromofluorobenzene	0.112		"	0.120		93.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		103	80-120			

Calibration Check (P4K1110-CCV1)

Prepared & Analyzed: 11/11/24

Benzene	0.0926	0.00100	mg/L	0.100		92.6	80-120			
Toluene	0.0938	0.00100	"	0.100		93.8	80-120			
Ethylbenzene	0.0958	0.00100	"	0.100		95.8	80-120			
Xylene (p/m)	0.190	0.00200	"	0.200		95.0	80-120			
Xylene (o)	0.0960	0.00100	"	0.100		96.0	80-120			
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		103	80-120			

Calibration Check (P4K1110-CCV2)

Prepared & Analyzed: 11/11/24

Benzene	0.0896	0.00100	mg/L	0.100		89.6	80-120			
Toluene	0.0903	0.00100	"	0.100		90.3	80-120			
Ethylbenzene	0.0898	0.00100	"	0.100		89.8	80-120			
Xylene (p/m)	0.176	0.00200	"	0.200		87.9	80-120			
Xylene (o)	0.0924	0.00100	"	0.100		92.4	80-120			
Surrogate: 4-Bromofluorobenzene	0.113		"	0.120		94.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		103	80-120			

Calibration Check (P4K1110-CCV3)

Prepared & Analyzed: 11/11/24

Benzene	0.0974	0.00100	mg/L	0.100		97.4	80-120			
Toluene	0.0963	0.00100	"	0.100		96.3	80-120			
Ethylbenzene	0.0975	0.00100	"	0.100		97.5	80-120			
Xylene (p/m)	0.192	0.00200	"	0.200		96.0	80-120			
Xylene (o)	0.0981	0.00100	"	0.100		98.1	80-120			
Surrogate: 4-Bromofluorobenzene	0.121		"	0.120		101	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		101	80-120			

Permian Basin Environmental Lab, L.P.

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

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

TRC Solutions- Midland, Texas	Project: 98-05A
10 Desta Dr STE 150E	Project Number: SRS: TNM 98-05A
Midland TX, 79705	Project Manager: Jonathan Repman

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4K1110 - *** DEFAULT PREP ***

Duplicate (P4K1110-DUP1)	Source: 4J29007-01			Prepared & Analyzed: 11/11/24						
Benzene	0.0672	0.00100	mg/L		0.0622			7.85	20	
Toluene	0.0480	0.00100	"		0.0444			7.86	20	
Ethylbenzene	0.0835	0.00100	"		0.0764			8.96	20	
Xylene (p/m)	0.0993	0.00200	"		0.0899			9.87	20	
Xylene (o)	0.0101	0.00100	"		0.00924			8.60	20	
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			

Permian Basin Environmental Lab, L.P.

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

Project: 98-05A
Project Number: SRS: TNM 98-05A
Project Manager: Jonathan Repman

Notes and Definitions

ROI Received on Ice

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

NPBEL C Chain of Custody was not generated at PBELAB

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

11/14/2024

Brent Barron, Laboratory Director/Technical Director

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

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

Permian Basin Environmental Lab, L.P.

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

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

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 527014

CONDITIONS

Operator: PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	OGRID: 34053
	Action Number: 527014
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
shanna.smith	Pursuant to 19.15.30 NMAC, update Stage 2 Abatement Plan dated December 1999. Plan will be submitted as a report by February 20, 2026, that meets all the requirements of 19.15.30.13 NMAC.	11/18/2025
shanna.smith	Continue monthly PSH abatement along with aggressive dissolved phase hydrocarbon groundwater abatement.	11/18/2025
shanna.smith	Continue quarterly monitoring and groundwater sampling, with data and activities included in following report.	11/18/2025
shanna.smith	Yearly PAH analysis on monitor wells MW-1, MW-2, MW-10, and MW-13.	11/18/2025
shanna.smith	2025 Annual Groundwater Monitoring Report will be submitted by April 1, 2026.	11/18/2025